IHS Markit > Decision Support Tool

IHS Markit Connect

Online Help PDF

Release 4.8-2 - March 23, 2018

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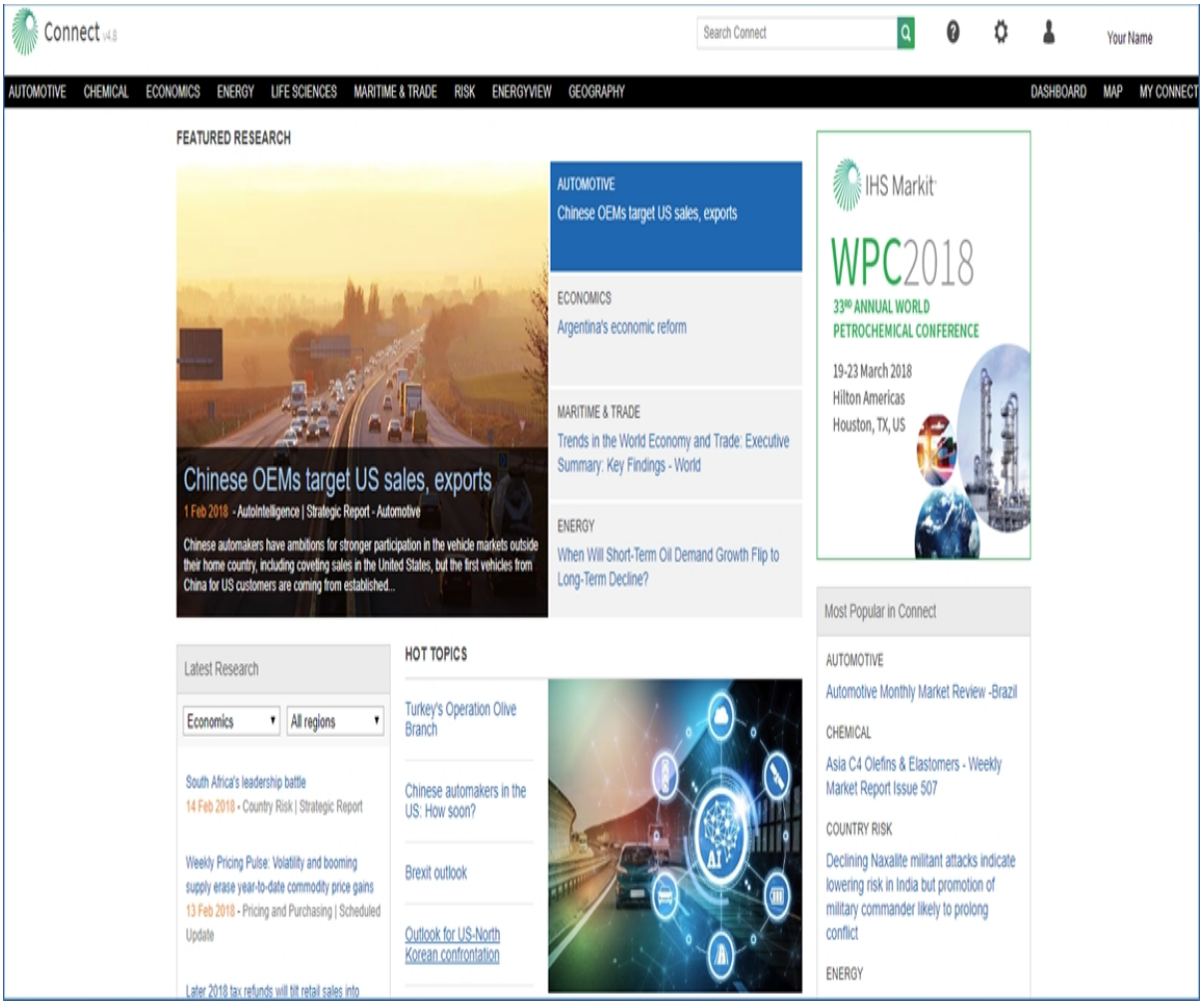
Introducing Connect

Welcome to Connect®

Connect is an online market and business intelligence platform that provides faster, intuitive access to IHS Markit information, analysis, insight, trends and forecasts. Connect lets you discover, analyze, visualize and integrate essential information.

Intuitive navigation and user friendly tools enable you to advance your business decisions with greater speed and confidence. Connect delivers an unmatched concentration of industry analysis, in depth market research, technical information, and forecasts directly to your desktop or iPad.



Note: Your Connect experience will vary based on your subscriptions.

What content is available through Connect?

Information and insight that include reports, tools, analysis, headline analysis, data charts and tables are available for Automotive, Chemical, Economics, Energy, Life Sciences, Maritime & Trade, and Risk (country) content. Content is organized in featured research and modules on the Home page and through the megamenus associated with the topics on the menu bar. Access Home by clicking the Connect green, aperture logo.

The menu bar for Connect provides the entry point to Automotive, Chemical, Economics, Energy, Life Sciences, Maritime & Trade, Risk, Energyview, Geography, Dashboard, Map, and My Connect.

Above the menu bar, you'll find the following aids:

- Search Connect
- Help that links to the Online Help Center, and Connect Customer Care contact information
- Feedback
- Settings for Content View, Link Display, Risk Views, and Relevancy Settings
- When you click your name, links to Specify Billing Code, Update Your Profile, Update Password, and Log Out are displayed.

For more information about the menu bar and drop-down menus, see General Overview.

Accessing Connect

You can access Connect in two ways:

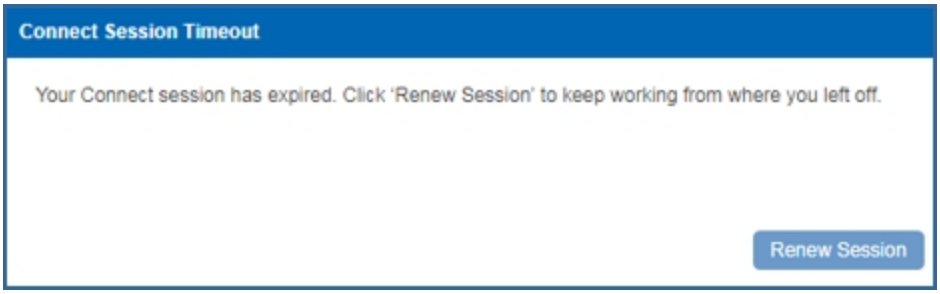
1. To directly access Connect, go to http://connect.ihs.com and log in by clicking your name and selecting log in from the drop-down menu.

   If you are an existing user, your user name is your corporate email address. If you are a new user, follow the 'Register for access' link.

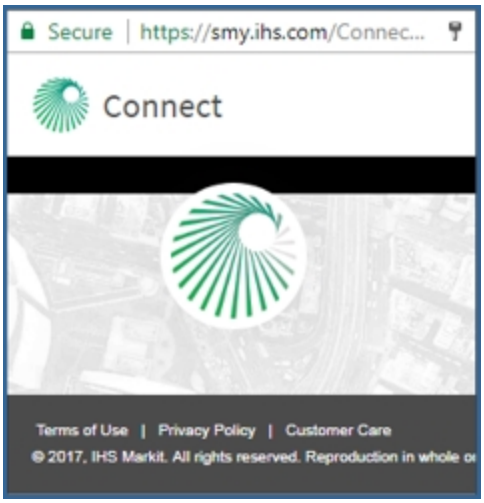
2. From any page on IHS.com, click the Customer Log In box in the upper, right corner of any page and select **IHS Connect** from the menu.

Session expiration notice and reaccessing Connect

Allowable time for an active session in Connect is 16 hours. When a session is inactive for more than an hour, the session expires, and the following message prompts you to renew the session: "Your Connect session has expired. Click 'Renew Session' to keep working from where you left off."

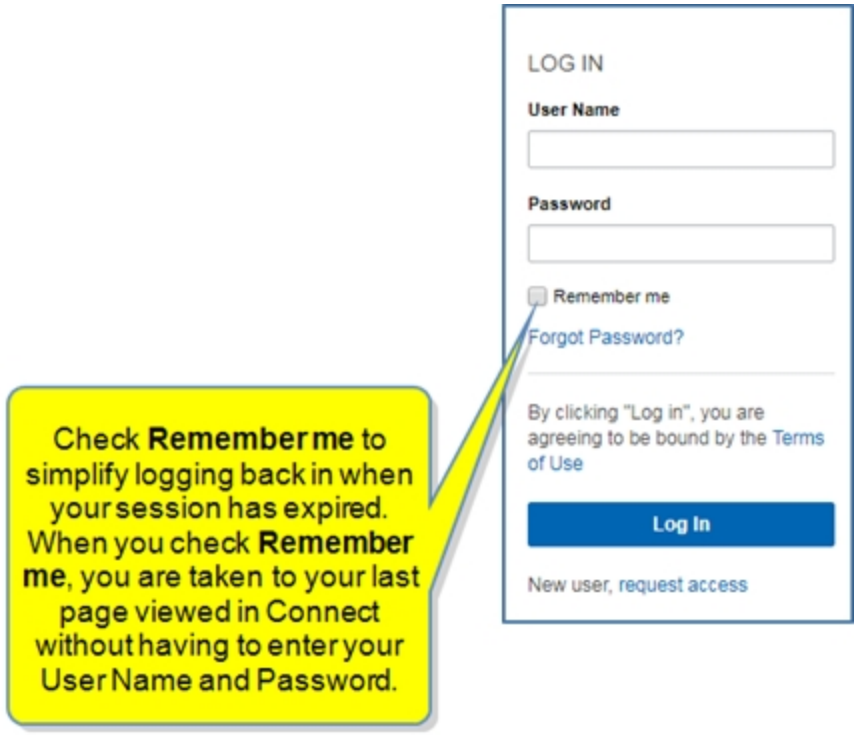


A second window is displayed while the system re-authenticates after you select "Renew Session."



When the re-authentication is complete, you are returned to the page you last viewed when the session expired —if you have checked the "Remember Me" box upon log in.

Otherwise, you will be prompted to log in again and enter your credentials.

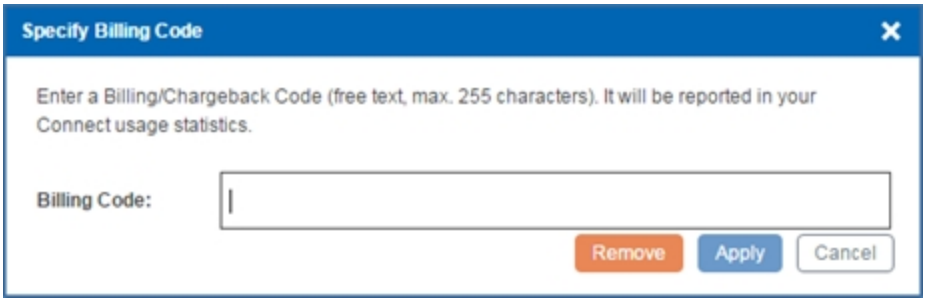


When you log in again, a newly established session displays.

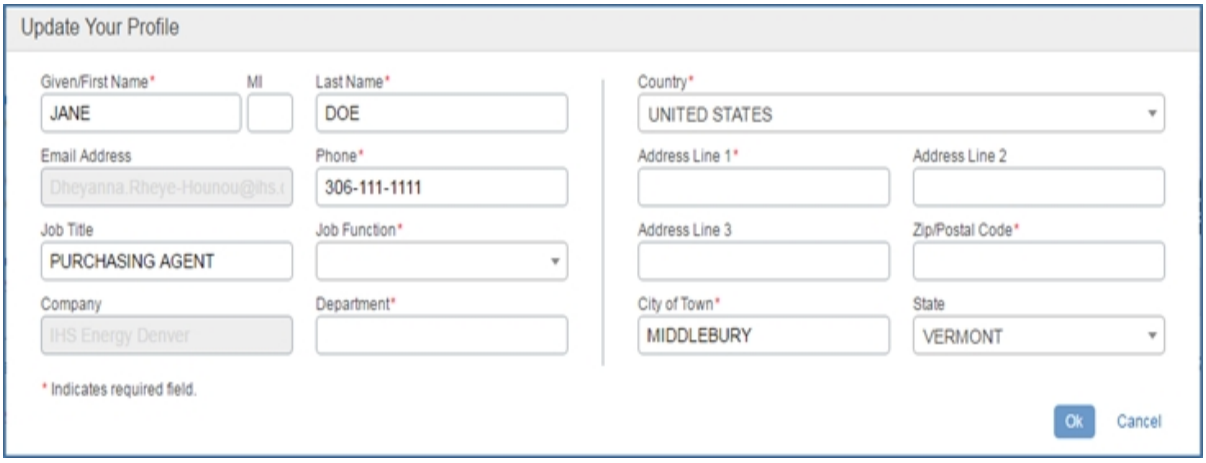
Menu options when you select your name

Hover over your name in the upper right of any Connect page to open the menu for Specify Billing Code, Update Your Profile, Update Password, and Log Out.

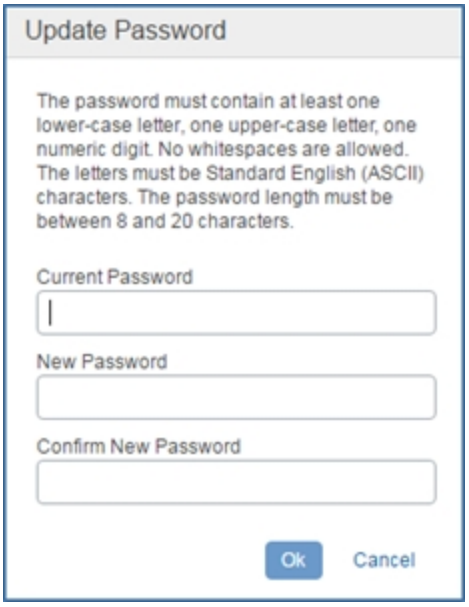
Specify Billing Code



Update Profile



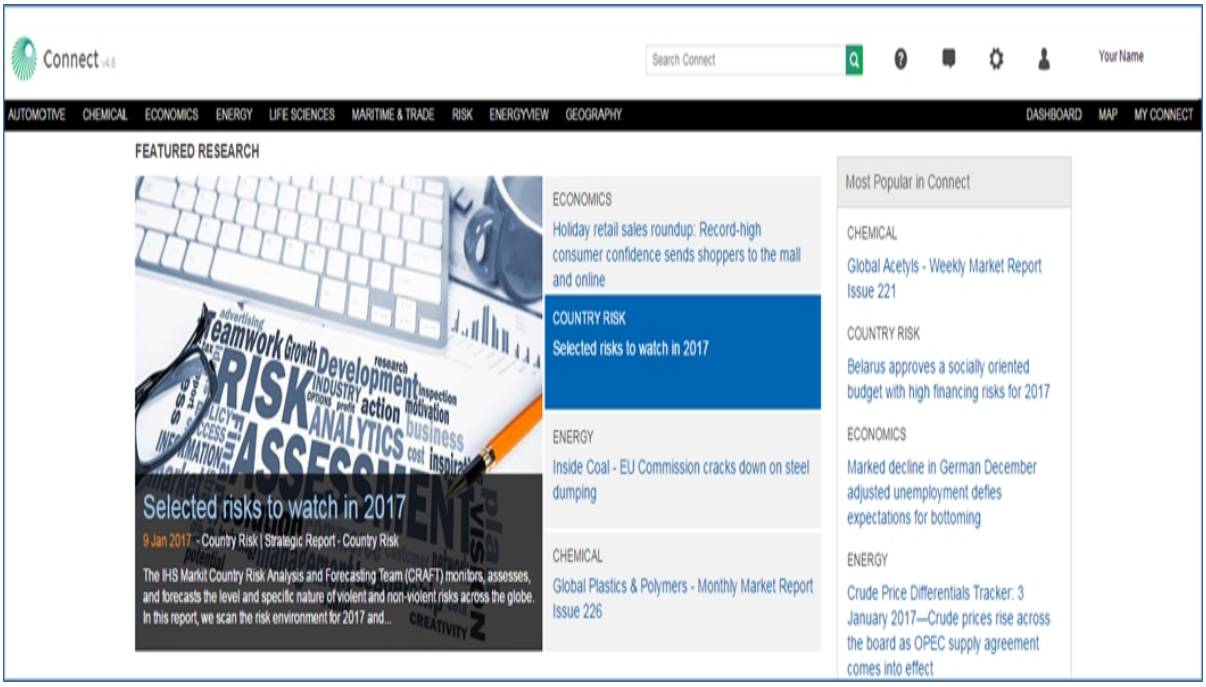
Update Password



Shared User / Group Accounts

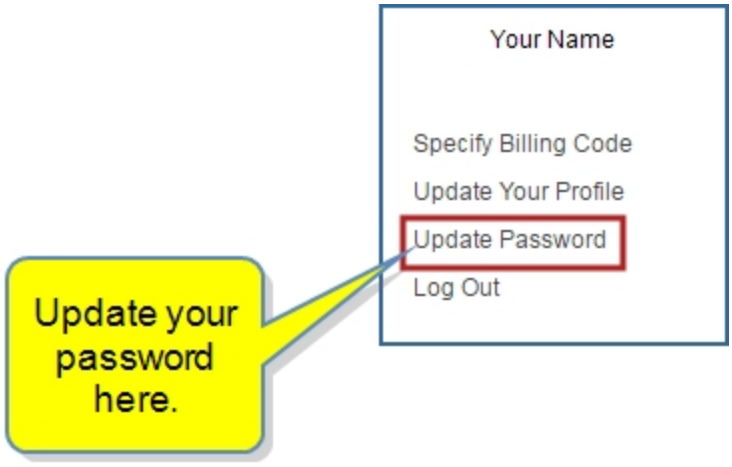
It is possible for you to be signed into Connect with a company name in a shared, group account or as an individual. If your company name appears at the top of the page, you are signed in for a shared user experience, which means you are able to view content but not save content. To save content, click **Register** on the login page to sign up as an individual. If that option isn't available to you, please contact Customer Care.

Note: The following message appears at the top of every page if you are signed in with a group in a shared user experience: "You are logged in to a group account. **Switch User** to log in as an individual." You also have the option to Switch User. A **Switch User** link will be displayed.

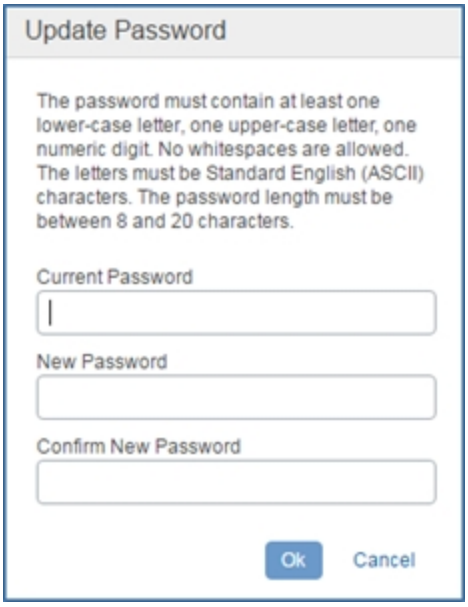


Updating Your Password

You can update your password from any page in Connect by clicking your name and then selecting **Update Password** on the drop-down list.



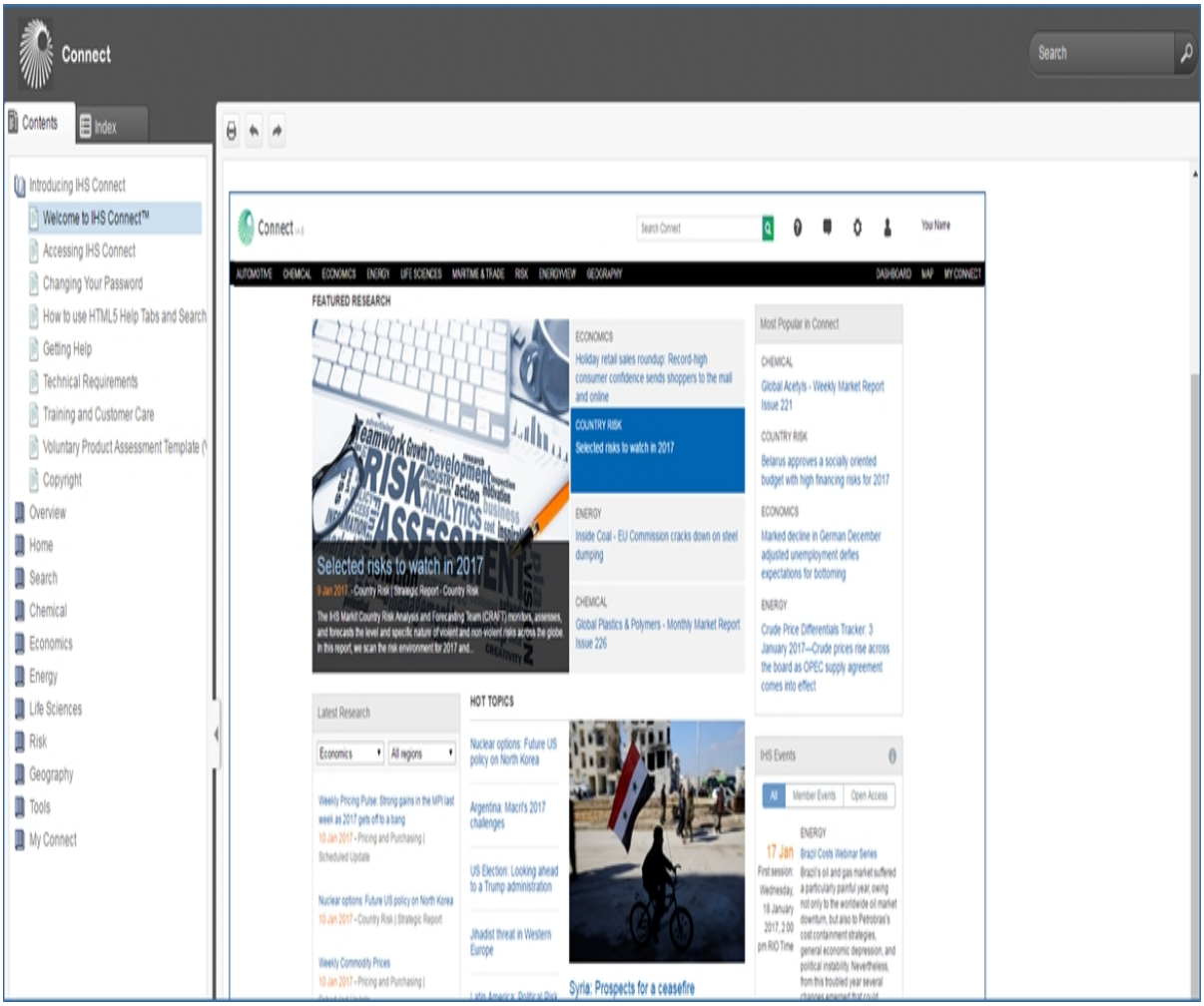
The **Update Password** dialog box is displayed. Enter your **Current Password**, the **New Password**, and then **Confirm New Password**.



Passwords must be between 8 and 20 characters long, contain one upper-case letter, one lower-case letter, and one number. Special characters are not allowed. You may not use any of your four previous passwords. Once you successfully change your password, you will automatically be logged out and must log in with your new password.

How to use HTML5 Help Tabs and Search

When Connect displays the HTML5 version of the Help, you see tabs for Contents and Index on the left, and a Search feature on the right. This version of the Help appears if your browser is Internet Explorer version 8.0 or later, Firefox version 10 or later, or Chrome version 13 or later.



From any page in Connect, you can see the Connect banner, drop downs for your name and Help, Menu bar, tabs and search feature. Click the Contents and Index tabs to display the contents in the pane.

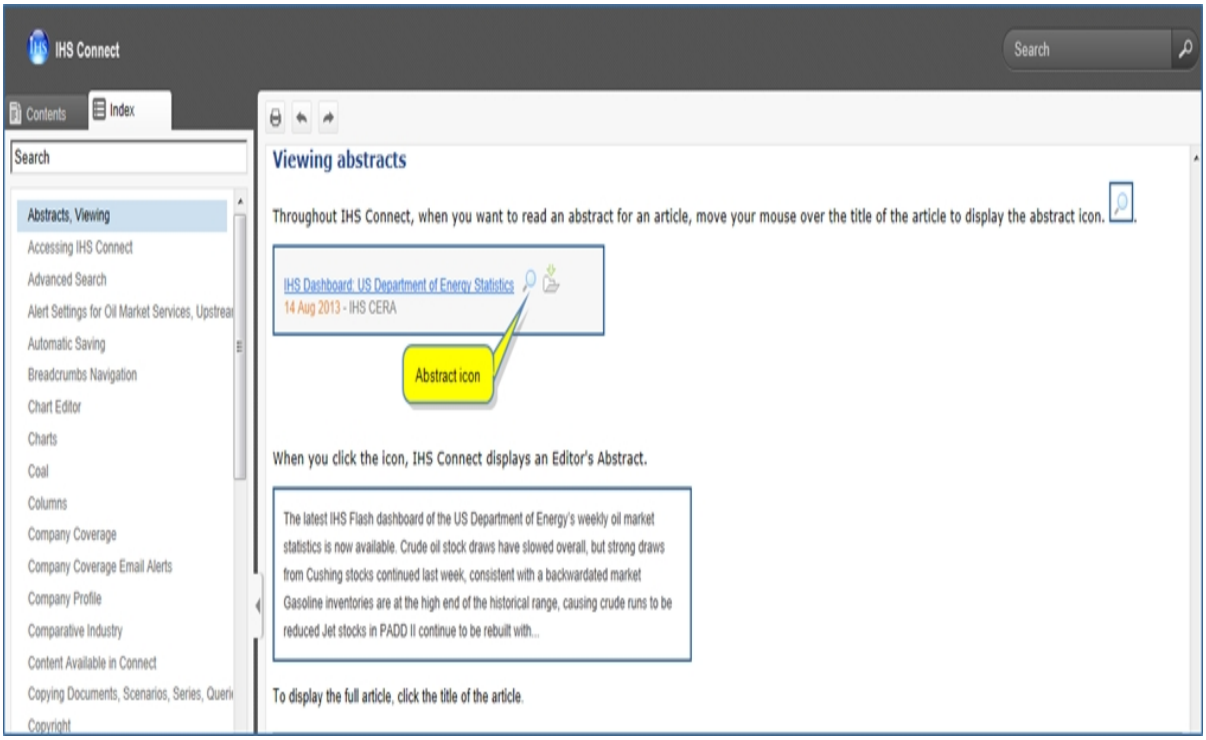
Contents

The Table of Contents lists the main and subtopics about Connect in a sequence that progresses from an overview and general information to specific information about the tabs, windows, functions, and features in Connect.

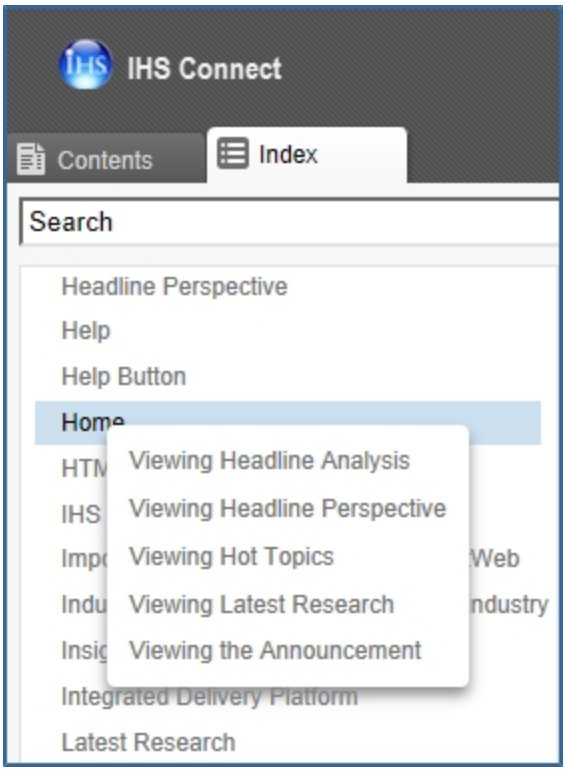
Index

In the Index pane, click a term, and the associated topic opens in the right pane.

Hover your mouse over the image to enlarge it.



If there is more than one topic for a term, a pop-up window will list the topics. Click the topic you want to see displayed.



Search

Enter a search term in the search field, and then click the icon to the right. Connect returns a list of each topic containing your search criteria with a link and the first few lines of the text in the topic. Click the topic you want to review.

Icons

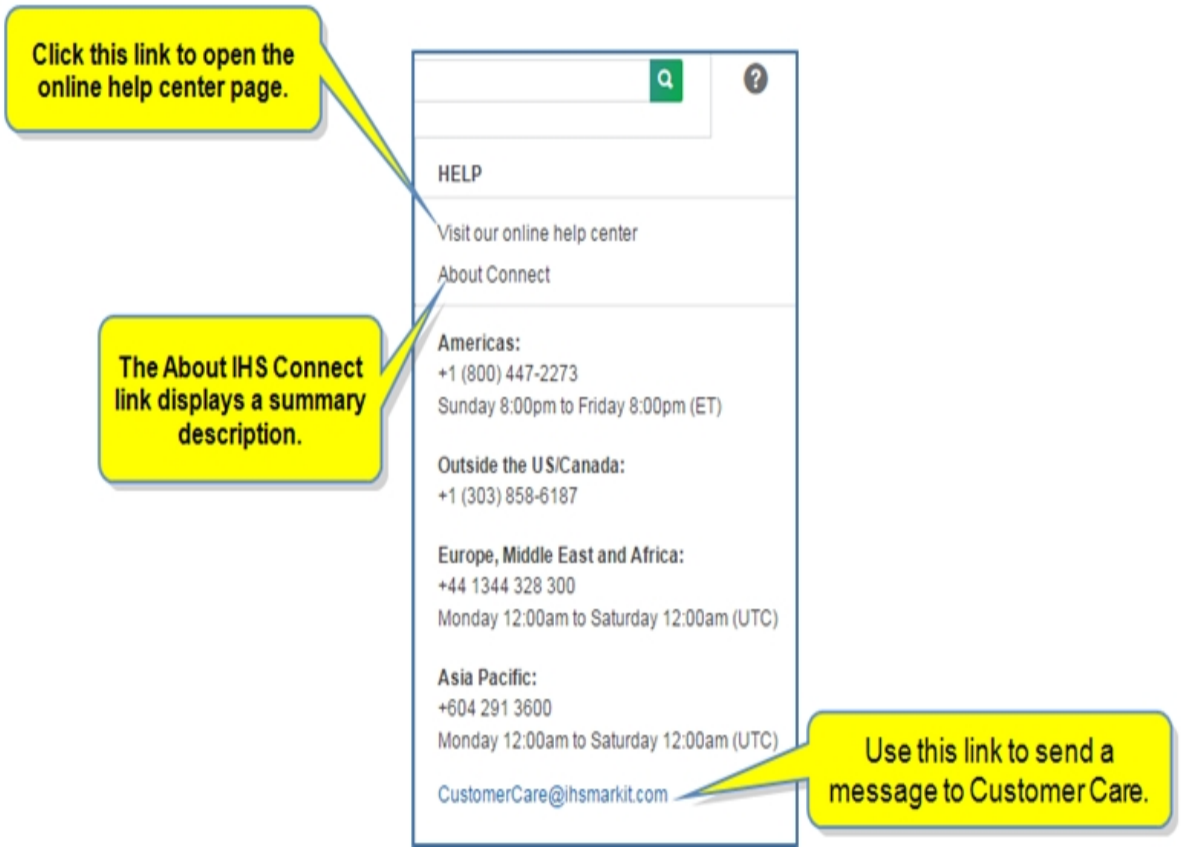
Click the print icon to print the current page, which can be a topic or a search list.

Click the Navigate previous and Navigate next icons to move through the topics as they are listed in the Contents.

Getting Help

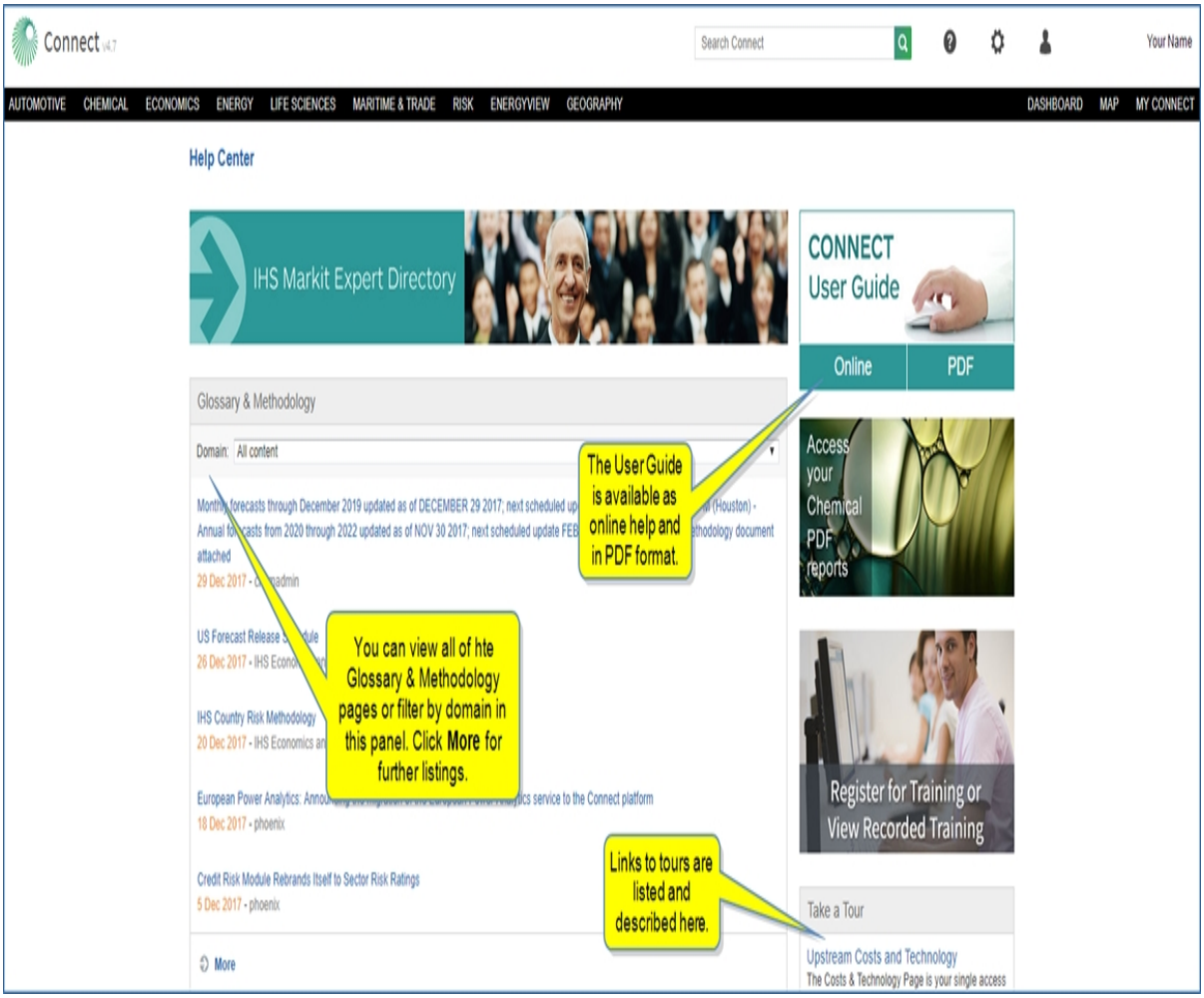
Consult Help at the top of every page in Connect to find the Connect User Guide in Online help format and in PDF format that you can download and / or print. Also available on this page are links to the Expert Directory, Glossary & Methodology documents, opportunities to Register for Training, descriptions and demos under Take a Tour, opportunities to download Connect to mobile apps from the App Store and Google Play, and a contact list for Customer Care.

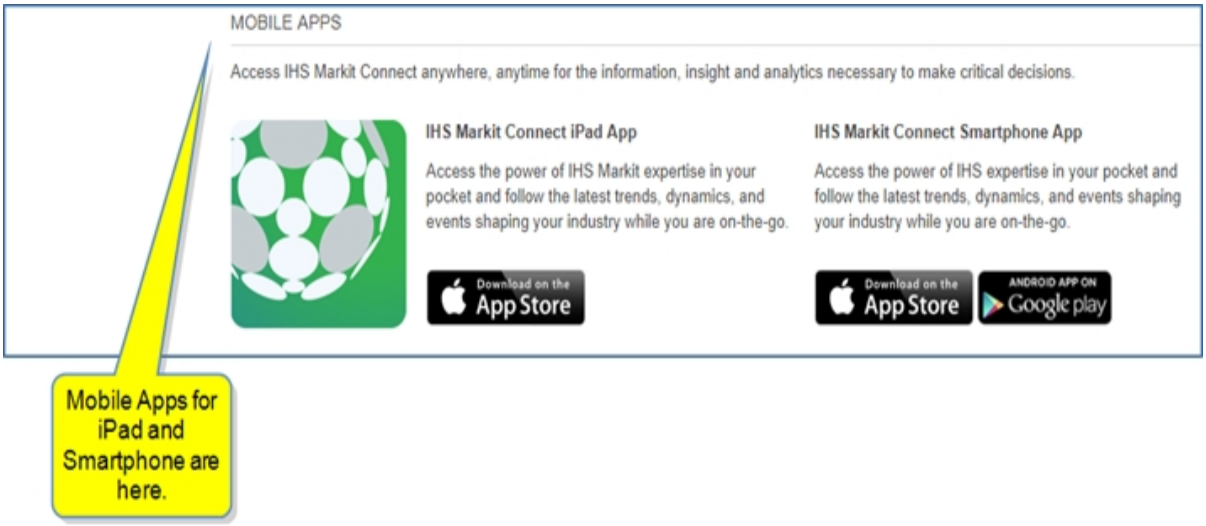
Click the Help icon in the upper right corner of any page within the Connect platform to open help options.



Visit our online help center—the help center contains the following aids:

- Link to Expert Directory
- Connect User Guide as online help and in PDF format
- Glossary & Methodology full listing
- Take a Tour information and links
- Mobile App Downloads
- Customer Care contact information


Connect
Search Connect
Your Name
AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY
DASHBOARD MAP MY CONNECT
Help Center
IHS Markit Expert Directory
CONNECT User Guide
Online
PDF
Glossary & Methodology
Domain: All content
Access your Chemical PDF reports
The User Guide is available as online help and in PDF format.
You can view all of hte Glossary & Methodology pages or filter by domain in this panel. Click More for further listings.
Register for Training or View Recorded Training
Links to tours are listed and described here.
Take a Tour
Upstream Costs and Technology
The Costs & Technology Page is your single access
More



To find a topic in the online help

- Select from the Table of Contents on the left.
- Enter a Search term in the **Search** field at the top, right of the page, and then click the **Search** icon or press the **Enter** key on your keyboard.

Questions / comments about Connect or the online help

Do you have comments, suggestions, or questions about Connect or the help provided? If so, we would like to hear from you.

Please contact IHS Markit Customer Care at customercare@ihsmarkit.com.

Technical Requirements

Connect has the following prerequisites:

- ***Operating Systems.*** You must have one of the following operating systems to see the full range of Connect functionality: Windows XP, Windows 2003, Windows 7, Windows Vista, Windows 10, Mac OS, or Linux Ubuntu.
- ***Required browser configuration.*** Connect is fully compatible with the following browsers: Microsoft Internet Explorer, version 11; Firefox, versions 10 and above; Google Chrome, versions 13 and above; and Safari 5. For the optimal Connect experience, we recommend that you use version 11 of Internet Explorer, and the newer versions of Microsoft Edge, Firefox, Google Chrome, or Safari.

You must also

- enable the following browser functions: Cookies, Javascript, Frames, and Cache
- adjust your pop-up blocker to allow IHS Markit web site pop-ups
- set your screen resolution to 1024 X 768 or higher for the best display of Connect

Required screen resolution

For Connect to display correctly, the minimum setting for your screen resolution must be 1024 x 768.

To change your screen resolution

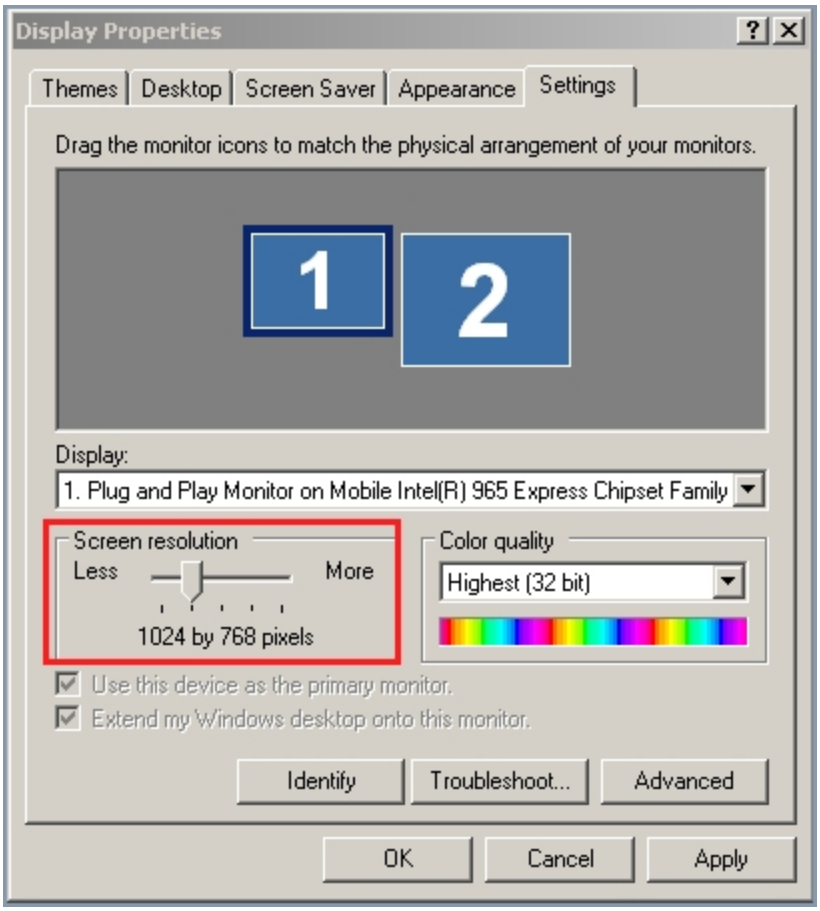
1. Click the **Start** menu and select **Control Panel**.

   The Control Panel opens with multiple choices that configure areas of your computer.

2. Select **Display**.

   The ***Display Properties*** dialog box is displayed.

3. Select the Settings tab.

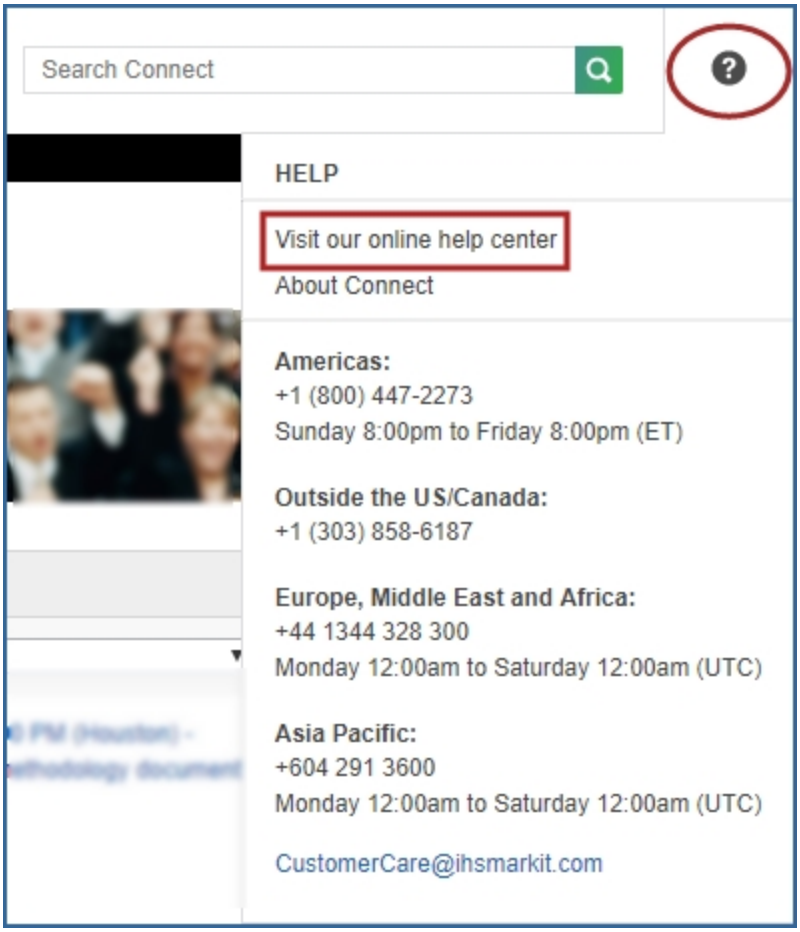


4. Move the Screen resolution slider to the right to set a screen resolution of 1024 x 768 or more.
5. Click **OK**.

Training and Customer Care

Maximize the value of your IHS Markit products and increase productivity on your projects by consulting your IHS Markit Customer Care Team.

Find information about training and Customer Care on the Help Center page by selecting the Question Mark on the header of each page in Connect, and then selecting **Visit our online help center**.



If you have a training inquiry, please contact your IHS Markit Customer Care representative at the following email addresses:

Customer Care Global Email (Americas; Europe, Middle East, and Africa; Asia Pacific): CustomerCare@ihsmarkit.com

Kingdom Support Global Email: Kingdom_Support@ihsmarkit.com

Canadian Energy Email: Support CDN@ihsmarkit.com

Contact Us: www.ihs.com/CustomerCare

Customer Care

If you have questions regarding Connect, please contact your local IHS Markit Customer Care representative.

Americas: +1 800 IHS-CARE (+1 800 447-2273); Outside the US / Canada: +1 303 858-6187; Mon-Fri. 8:00am-9:00pm ET

Email: CustomerCare@ihsmarkit.com

Europe, Middle East, and Africa: +44 (0) 1344 328 300 Mon-Fri. 8:00am-6:00pm GMT

Email: CustomerCare@ihsmarkit.com

Asia-Pacific: +604 291 3600 Mon-Fri. 8:00am-6:00pm

Email: CustomerCare@ihsmarkit.com

When you call

When you call, you should be at your computer and have the appropriate notes on hand. You should also be ready to supply the following information to the support technician:

- The type of hardware you are using, including your network hardware (for example, 486 66 MHz, with a 250 MB hard drive, connected to a Novell network).
- The operating system you are using (Windows 7, Windows Vista, XP, Windows 2000).
- The type of browser you are using.
- The exact message from any error you have received, including any numbers.
- What happened and what you were doing when the problem occurred.
- How you tried to solve or work around the problem.

Note: If you have comments, suggestions, or questions about the Connect help, we would like to hear from you. Please contact Connect atCustomerCare@ihsmarkit.com.

Voluntary Product Assessment Template (VPAT)

Usability/Compliancy Statement

Every effort to ensure compatibility within various Internet browsers has been made. However, this application may not function (or look) the same in all browsers. Ongoing efforts are underway to improve cross browser compatibility. Geospatial related maps and data in particular pose challenges to full accessibility due to the current design of software applications. IHS Markit is actively working to comply with the Americans with Disabilities Act (Texas Administrative Code §206 and Section 508 (29 U.S.C. 794d). We are continually working to accommodate all citizens who use our web-based applications.

If you are unable to obtain information or data from this web-based platform, please contact our customer care team at the following email addresses –

Americas – CustomerCare@ihsmarkit.com

Europe, Middle East, and Africa – CustomerCare@ihsmarkit.com

Asia-Pacific – CustomerCare@ihsmarkit.com

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25 Ropemaker Street
London
EC2Y 9LY
United Kingdom (UK)
+44 20 7260 2000 Rev. March 2018

Overview

General Overview

In this topic:

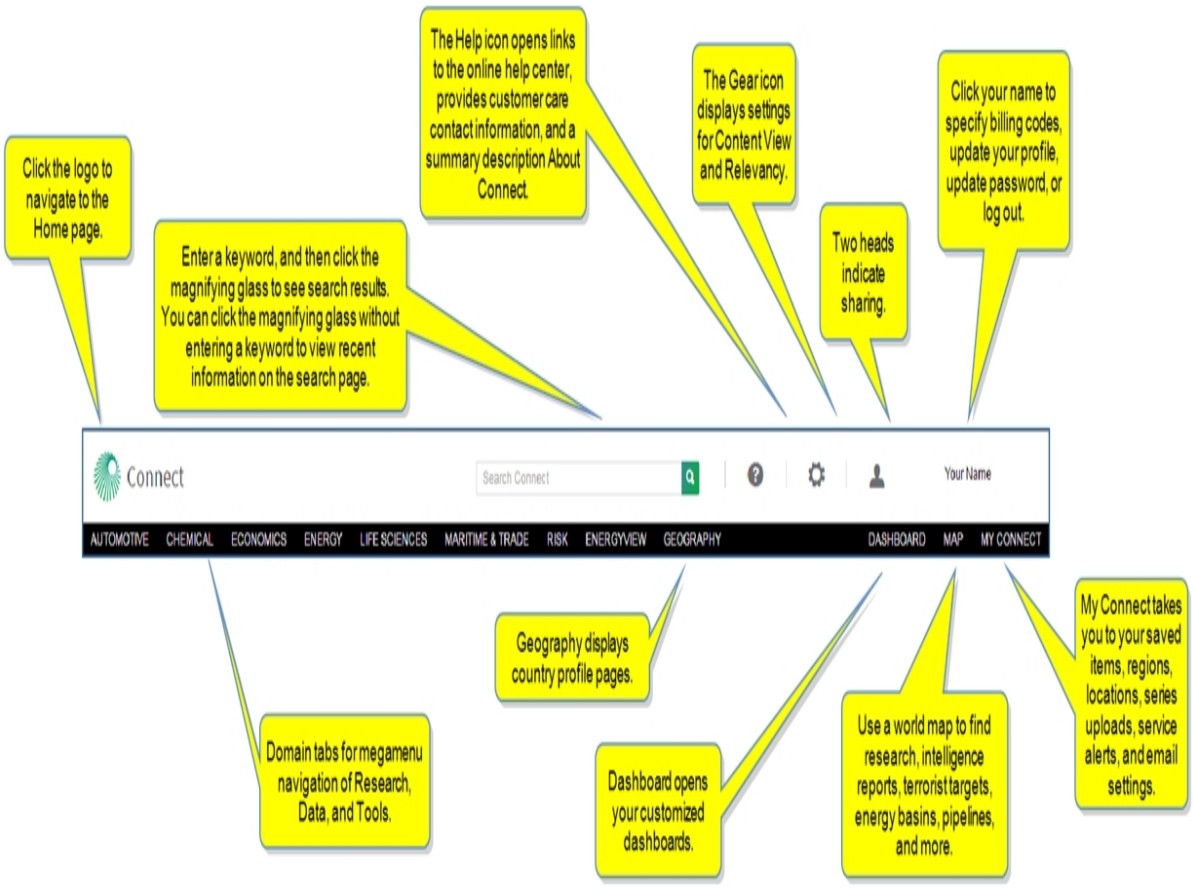
Click a heading link to move down the page to the subtopic. Return to the top of the page by pressing and holding Ctrl, and then pressing Home.

Settings and Help features
Searching in IHS Connect
Navigating through content in IHS Connect
Designing a dashboard versus viewing pre-defined pages
Saving documents
Viewing abstracts
Tools

Connect has been designed to provide energy, macroeconomic, and industry professionals with seamless, integrated access to subscription research through a single user interface.

Using the Connect interface, you can search for content across several domains—Chemical, Country Risk, Economics, and Energy—to review reports and research from industry leading publications and analysis from IHS Experts. Sophisticated tools allow you to customize pertinent information and project future trends and prices. Maps, charts, and tables offer unique visualization of concepts, demographics, data series, ratings, and more.

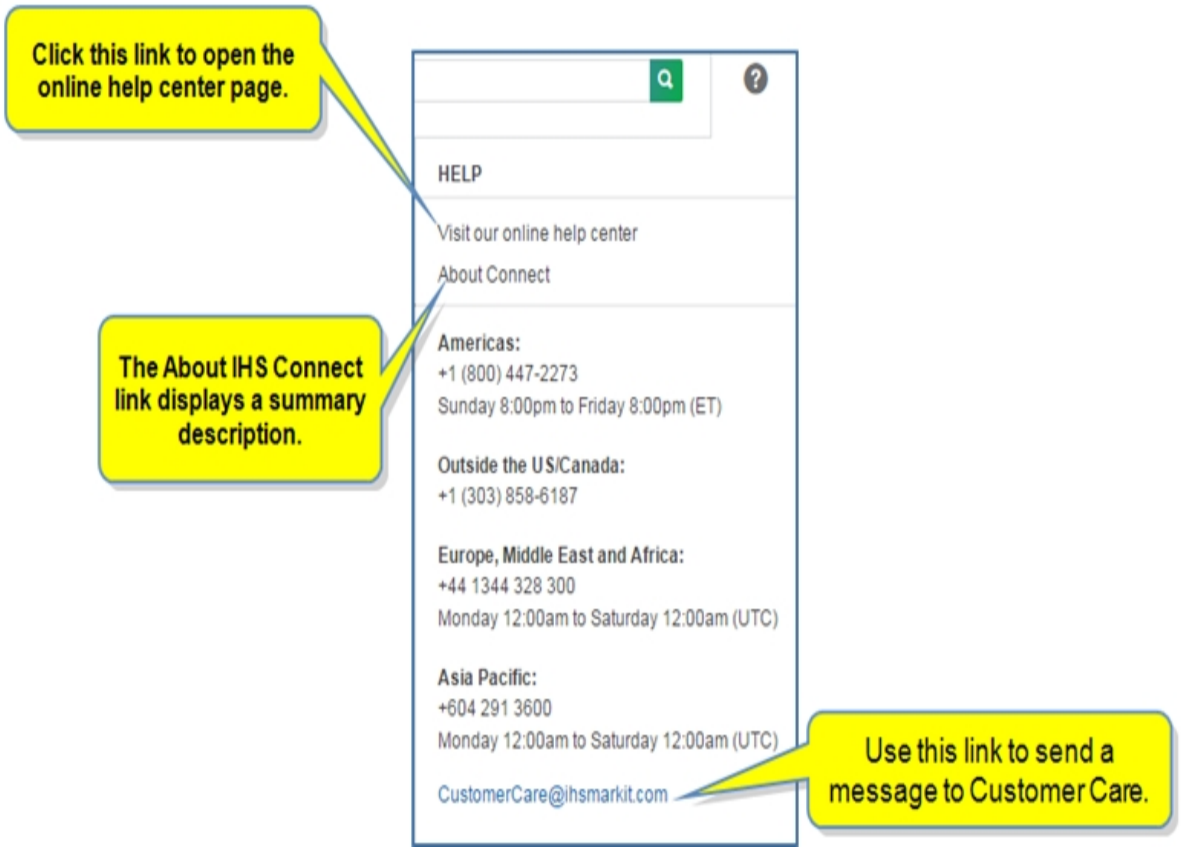
From every page in IHS Connect, you have access to IHS Connect Customer Care, Search IHS Connect, help features, settings, profile and password updates, a Log Out option, and the Menu Bar.



Settings and Help features

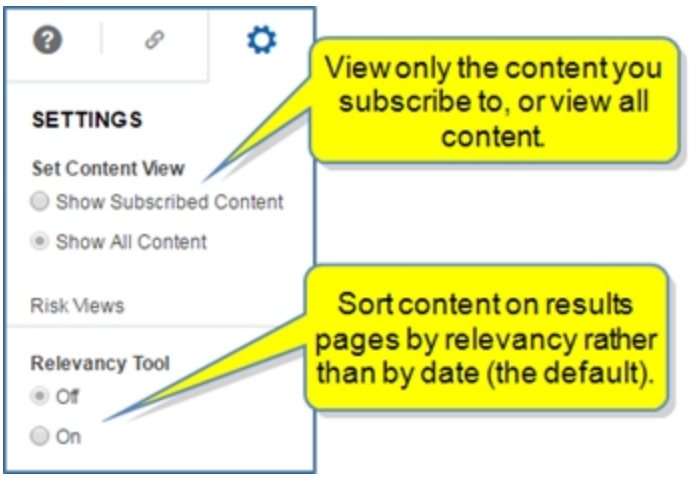
Click the Connect logo to navigate to the Home page.

Consult Help at the top of every page in Connect to find the IHS Connect User Guide in Online help format and in PDF format that you can download and / or print. Also available on this page are links to the Expert Directory, Glossary & Methodology documents, opportunities to Register for Training, descriptions and demos under Take a Tour, opportunities to download Connect to mobile apps from the App Store and Google Play, and a contact list for Customer Care.

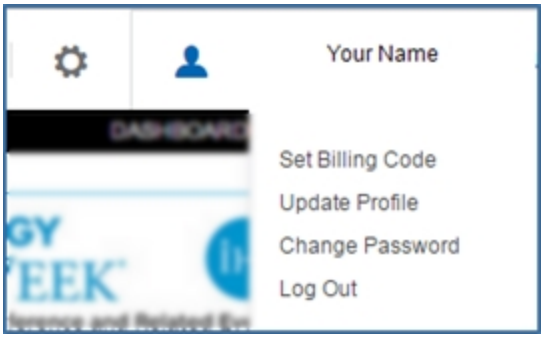


For more information about the online help center, see Getting Help.

When you click the Gear icon , settings for Content View and Relevancy are displayed.



Update billing code information, your profile, or password by clicking your name to display the menu with links to these features. You can also Log Out from this menu.



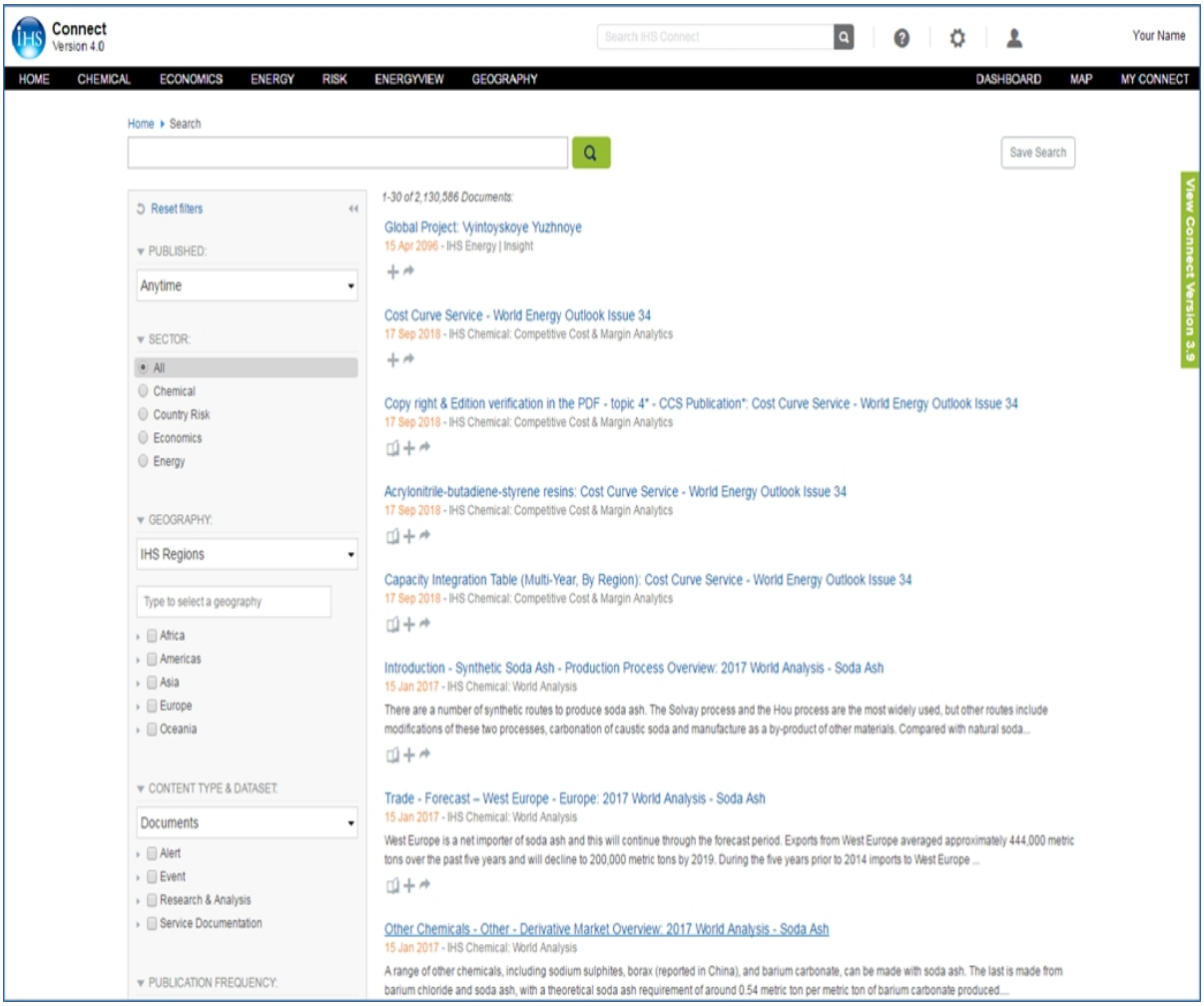
For more information about these features, see Accessing Connect.

Searching in IHS Connect

The Search IHS Connect field and magnifying symbol appears on every page in Connect.

Start a search by entering a keyword or phrase in the Search box, or click the magnify symbol to open the Search page and view recent results to seamlessly discover all IHS information and insight available on Connect.

The Search page opens with results for your search criteria or recent results.

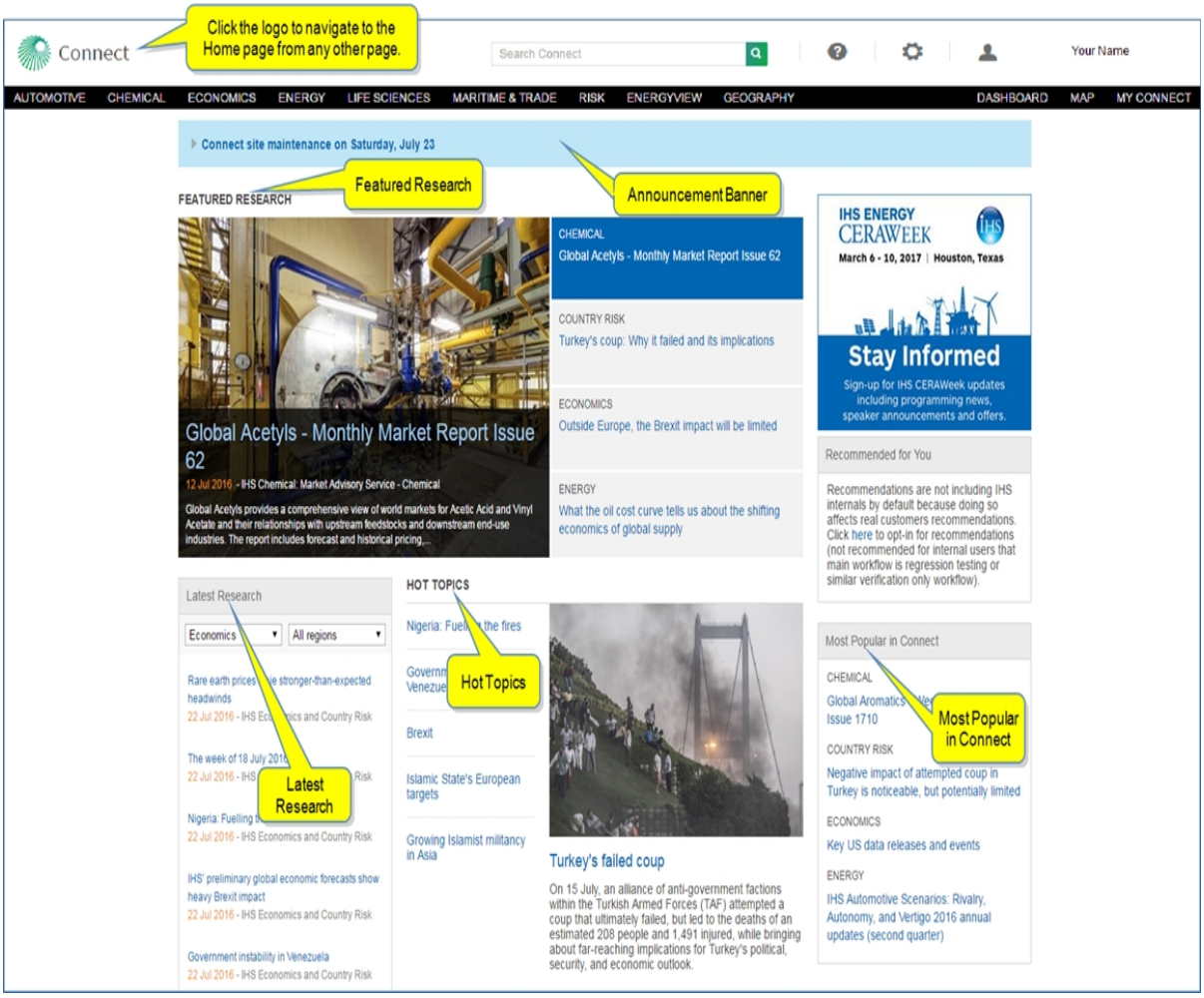


Search IHS Connect provides powerful, keyword-based access to all documents and data series available in Connect. You can filter search Sectors by All, Chemical, Country Risk, Economics, and Energy as well as apply filters for Geography, Content Type & Dataset, Publication Frequency, Document Format, Report Author. For more information, see Searching in Connect.

Navigating through content in IHS Connect

The Menu bar displays tabs for Home and megamenus for Chemical, Economics, Energy, Risk, and Energyview. In addition, the Geography tab gives you access to country profiles, Dashboard takes you to your customized dashboard page. Map opens the visual geography tool. The My Connect page displays tabs for My Saved—taking you to your saved documents, series, charts, queries, and Report Builder—My Regions, My Locations, My Series Uploads, Service Alerts, and Email Settings.

- IHS Connect opens on the Home page where you can view many global, regional and organizational research articles, search for specific information, save research for later reading, and review current global news.



- The Chemical, Economics, Energy, Risk, and EnergyView tabs open megamenus for these domains. Within the megamenus are Research, Data, and Tools grouped by sector and containing links to content pages and tools related to the chosen sector. All information relevant to the domain and sector is available from the megamenu.

Note: The tabs displayed on the Menu Bar correspond to your subscription. Therefore, you may not see all of the domain tabs on the Menu Bar shown in this example. In addition, grayed out items within the megamenus may not be available to you, depending upon your subscription and /or the availability of the content.

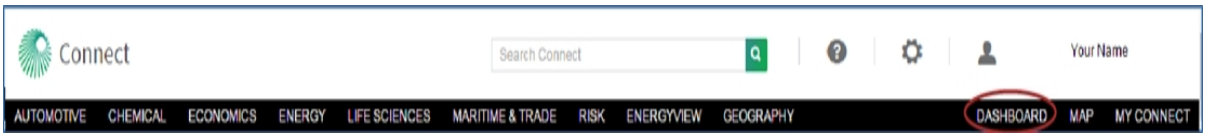
- The Geography tab opens Country Profile where you can view content pages for Country Risk, Economics, Energy, and Transactions for your selected country.
- Dashboard opens your customized dashboards. You can select a dashboard you previously saved or create a new dashboard. For more information about creating dashboards, see Creating and saving dashboards and Customizing and identifying tools on the Dashboard.
- Map takes you to a global map, which visualizes the IHS energy technical information allowing you to view, understand, and query data by geography. You can review information covering customized locations, research and analysis, country risk (for example, intelligence events, terrorist targets), energy (for example, pipelines, basins) and economic trends. For more information about the map, see Working with the Map.
- My Connect provides access to My Saved, which contains items you save for your own reference, such as documents, scenarios, data series, charts, tool queries, custom dashboards, and more. My Connect also displays tabs for My Regions, My Locations, My Series Uploads, Service Alerts, and Email Settings. For more information about My Connect, see , How to save research , and Report Builder.

IHS Connect is fully compatible with the following browsers: Microsoft Internet Explorer, versions 9.0 and above, Firefox, versions 10 and above, Google Chrome, versions 13 and above, and Safari 5. However, for the optimal IHS Connect experience, we recommend that you use a newer version of Internet Explorer, Microsoft Edge, Firefox, Google Chrome, or Safari.

Designing a dashboard versus viewing pre-defined pages

You have the option of using the Dashboard tool to create your own collection and organization of research modules in the layout you prefer, or you can find valuable information in pre-defined pages that are relevant and current on specific topics.

The Dashboard tab appears on the right of the Menu Bar.

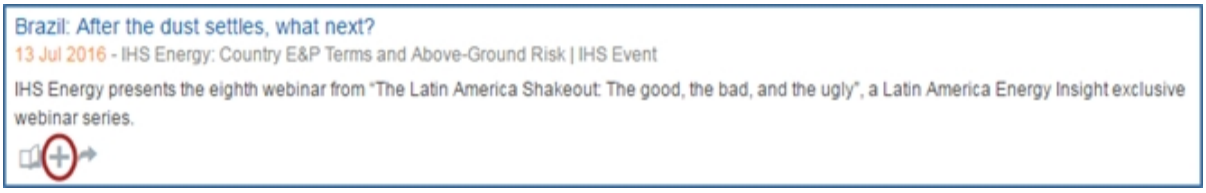


Pre-defined pages are organized in a layout by IHS Connect to present current and relevant information on specific topics for your quick access.

The Home page provides the latest on global trends and is the starting point for your IHS Connect navigation. You can view an Announcement, Latest Research, Featured Research, Expert Analysis, Headline Analysis, Hot Topics, and a My Saved section.

Saving documents

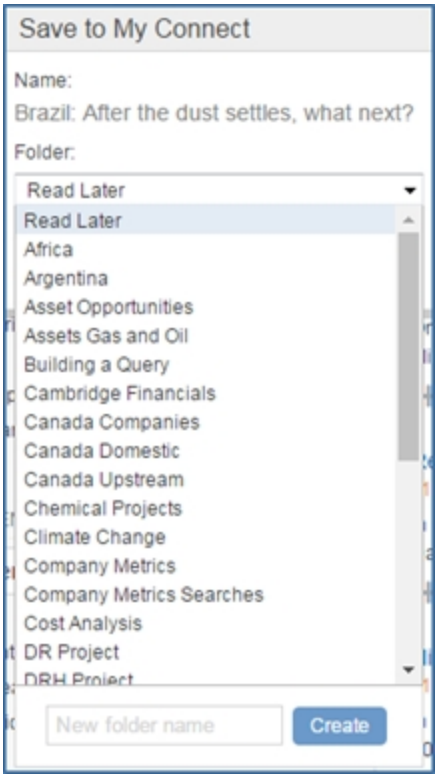
Display an Editor's Abstract, Save to My Connect, and / or Share an article with a colleague by selecting one of the icons below the article. Clicking the **Save** icon sends the article to My Connect and allows you to keep it in your own personal list of project folders.



When you click the icon, a dialog box is displayed with links to the project already on your My Saved page. Select a project and click the link to save your article. If you want to create a new project folder, enter the name in the New project name field, and then click **Create**. The document will be saved to the newly created folder.

In the following example, the ***Save to My Connect*** dialog box lists the name of the article and displays a Folder field and drop down. When you click **Apply**, the article is saved to the folder listed. In this case, the article is saved to "Read Later" on My Connect.

To create a new folder on My Connect, click the drop-down arrow, enter a New folder name, and then click **Create**.



To learn more about saving articles and organizing them into folders, see How to save research .

Viewing abstracts

Throughout IHS Connect, when you want to read an Editor's Abstract for an article, select the **Abstract** (book) icon.

When you click the icon, IHS Connect displays an Editor's Abstract.

To display the full article, click the title.

Tools

Numerous tools are available throughout IHS Connect with navigation links on the domain megamenus, content pages, and in charts and tables. Learn more about all the available tools in the online help under Tools.

- **Assets on the Market** provides access to individual market opportunities benchmarked against commodity prices and featuring key marketplace valuations for all global regions.
- **Charts**—Edit, save, export, and print charts when you click a link under the Menu Bar icon on charts.
- **Chemical Owner Lookup** allows you to do a company search for lists of shareholders and subsidiaries for a company with percentages and charts to illustrate ownership.
- **Company Coverage** and **Company Profile** allow you to gather information and insight about companies, private and public, involved in transactions and trends in the energy industry.
- **Cost Analyzer** gives you the ability to review cost and price data from the IHS Pricing & Purchasing Service (PnP) and Chemical. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.
- **Company Metrics** in Connect provides a flexible query-building tool that includes specific line items—over 1,100—companies, regions, time frequencies, and currencies to evaluate company valuation, financial data, reserves, production, and cost trend analysis for public energy companies.
- **Dashboard** allows you to customize your research page for the countries and organizations you want to focus on, and you can save your customized dashboard to My Connect.
- **Data Browser** allows you to search and view data series from the datasets you are entitled to. The series you select can be saved, exported, or charted. The chart can be customized using Chart Editor and exported to Microsoft Excel and PowerPoint as a native object.
- **Global Projects** allows direct access to over 8,000 global energy projects, allowing quick analysis of new source production information and insight.

- **Global Refineries** allows Refining and Product Market customers to quickly access and analyze worldwide refinery capacity, historically and at individual refineries. You can search for a refinery by name or keyword, do an advanced search, save searches for future reference, and export data.
- **Headline Analysis**
- **Location Analytics** allows you to conduct risk analysis of a portfolio of locations previously uploaded to Connect using My Locations on My Connect or Search. Once you identify asset locations and save the location groups, Location Analytics provides the context to analyze and compare violent risk conditions.
- **Process Economics Program** finds the detailed cost structure for 1,400 chemical processes. A Chemical: PEP Yearbook subscription is required to use this tool and view PEPs reports and reviews.
- **Risks and Ratings** provides direct access to IHS analysis for Country Risk, E&P Ratings and Rankings, Banking Risk, and Sovereign Risk.
- **Transaction Analysis** provides access to individual deal analysis on more than 30,000 energy industry transactions over the past 20 years benchmarked against commodity prices and featuring key M&A marketplace valuations for all global regions.

Layout and features of capabilities

Open capability pages by selecting a segment link on the megamenu. In the following example, we hovered Power, Gas, Coal, and Renewables, and then selected **Power and Renewables** under Sector View.

Note: Capability pages feature subscribed content only.

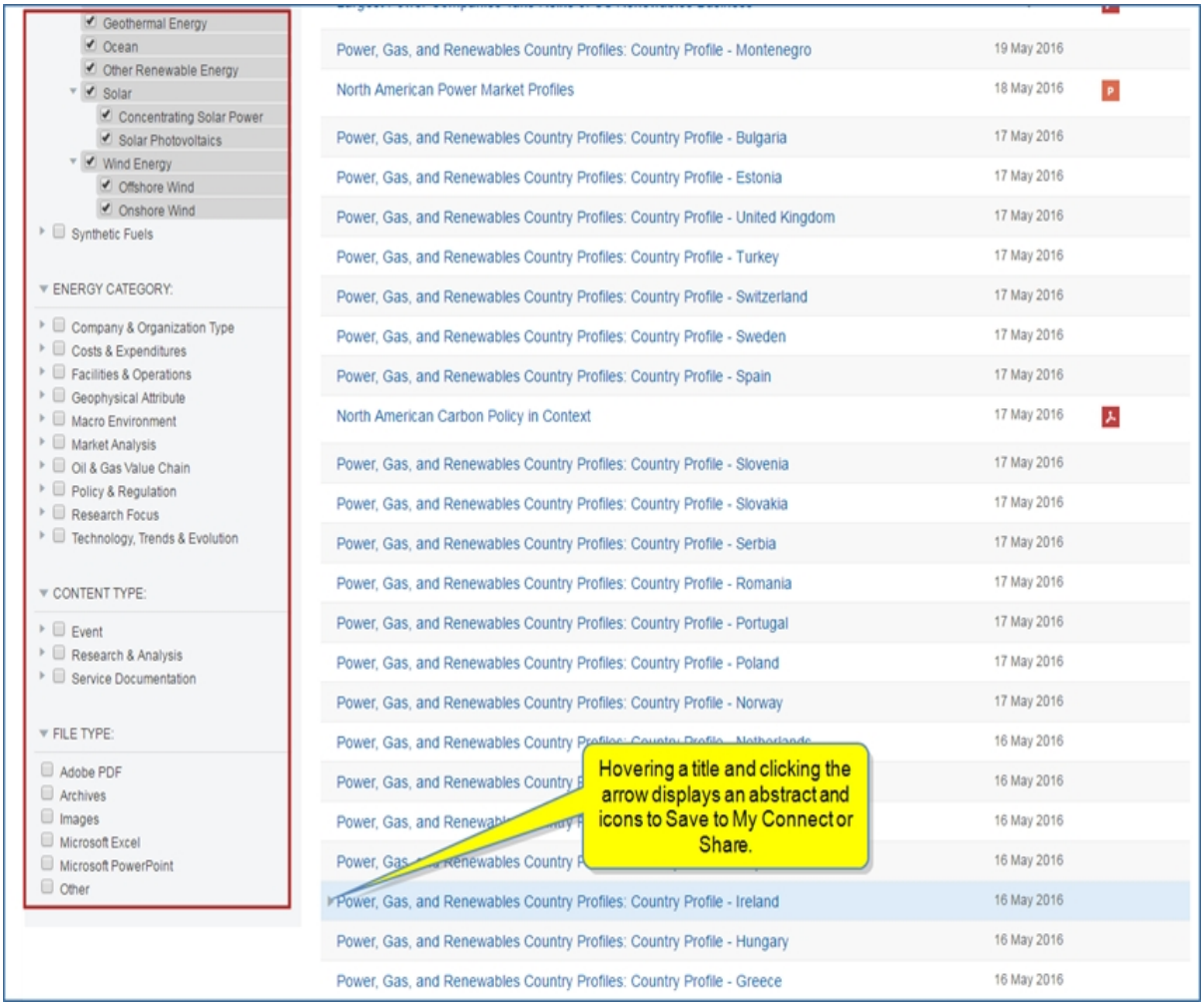
The following features are active on the Power and Renewables capability page displayed:

- ***Page identification reflects filter change*** at the top, "You are viewing **Power and Renewables** research based on your selected filters below."
  Because we selected **Power and Renewables** from the megamenu, all filters for Power &

Renewables under Energy Sector are selected. If we select Coal under the Energy Sector, Connect re-calibrates the identification at the top and search results to include coal. See example below.

- ***Tab topics focus content*** within a capability page. The content on a selected tab is pre organized into logical groupings. This narrows the documents to a shorter list defaulting to chronological date sort order and reduces endless scrolling.
- ***Abstracts describe documented item*** are included, allowing quick scanning of the article summary without having to click through to the posting.
- ***Save to My Connect***—from the Abstract, select the Save to My Connect plus icon to save in a current or new folder on My Connect.
- ***Share My Item***—from the Abstract, share the article by emailing it to a colleague.
- ***Smart filters refine results***, including topics specific to this sector and common regional definitions.
- ***File Type icons*** identify documents with attachments, making data files easy to spot. Document File Type filters for Excel, PDF, PPT, and charts narrow results further. The File Type filters give you direct access without the need to click to the full posting.
- ***Archives*** allows you to see what has changed in an outlook, or study full streams of recent analysis by a particular publication.
- ***Accordion Panel*** contains tools and other drawers that easily expand and collapse.

See Tools and the heading Researching a Country or Company below for examples of Research a Country and Research a Company from the Tools panel on a capability page.

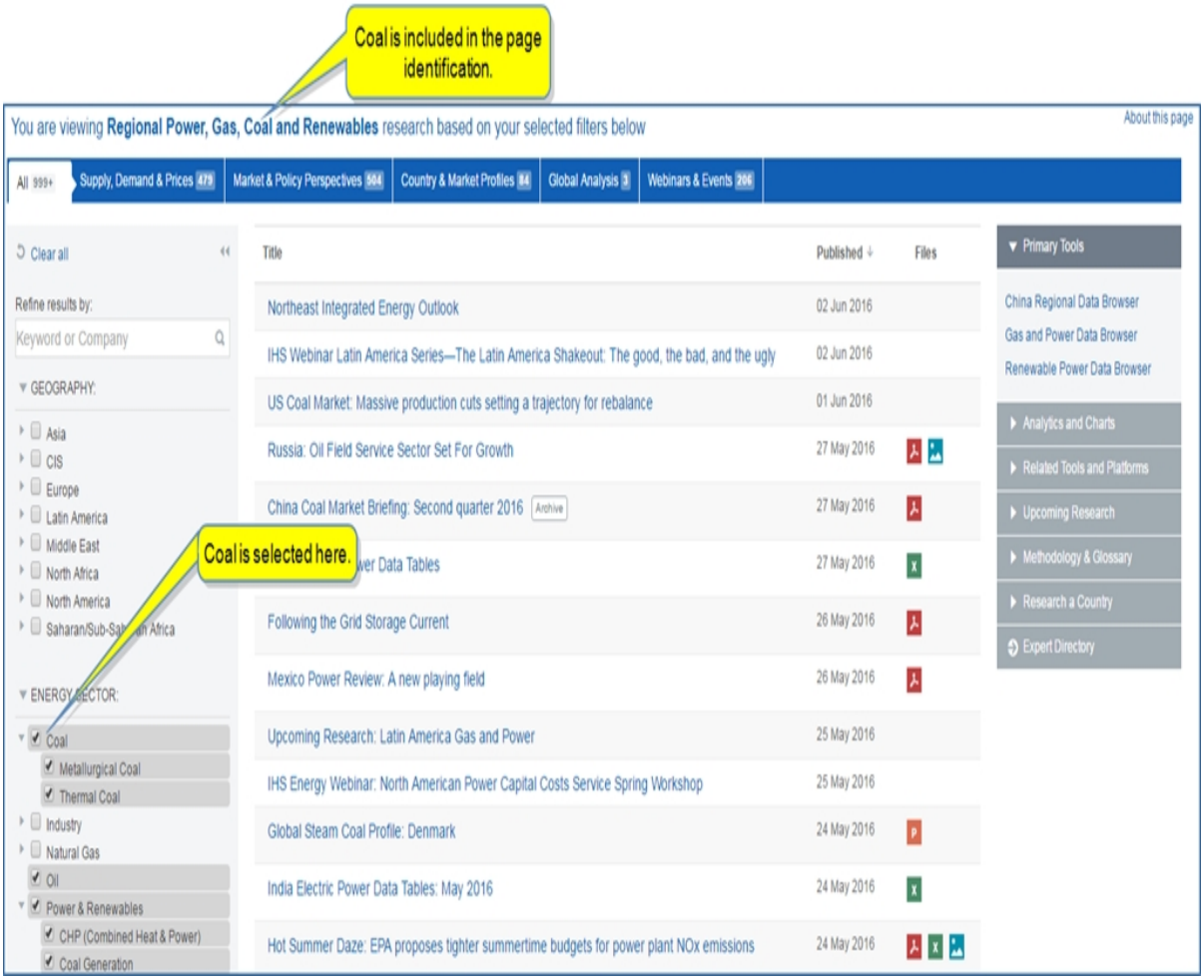


Further examples of features

The following examples illustrate how filters enhance your access to the content you prefer to view.

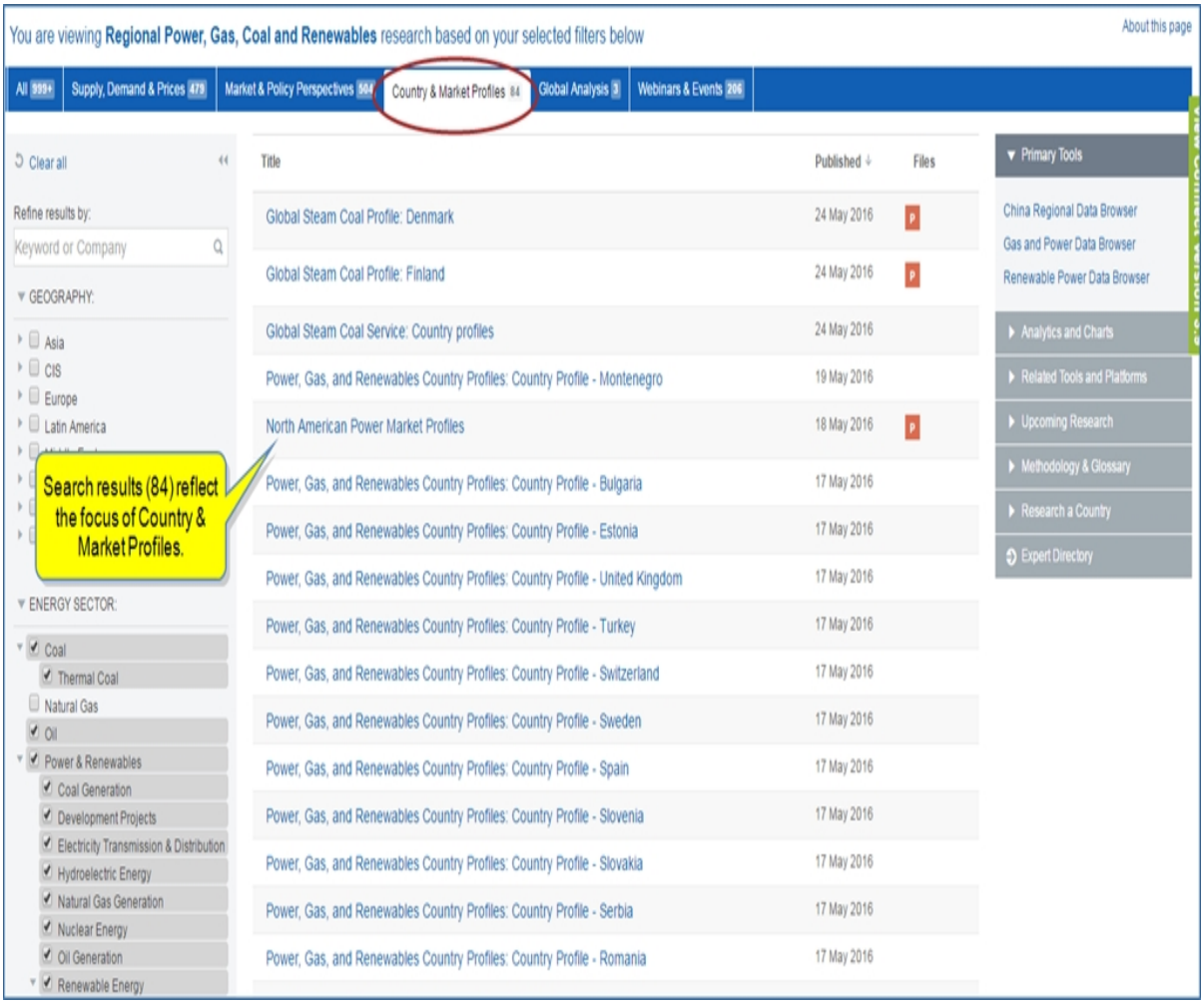
Page identification reflects filter change

In the following example, the addition of Coal from the Energy Sector is displayed in the page identification.



Tab topics focus content

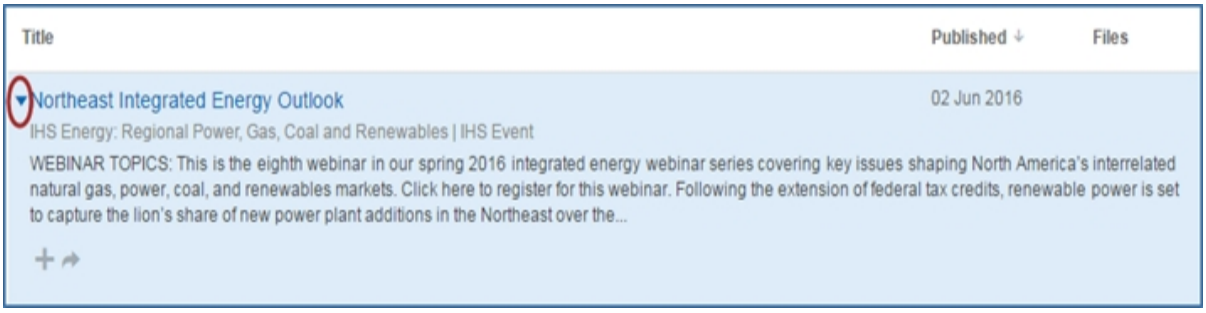
Selecting a tab topic focuses the content and reduces the number of articles displayed on the page. Scanning and scrolling becomes easier with the focused content. In the following example, **Country & Market Profiles** tab is selected for focus of Regional Power, Gas, Coal and Renewables research.



Abstracts describe documented item

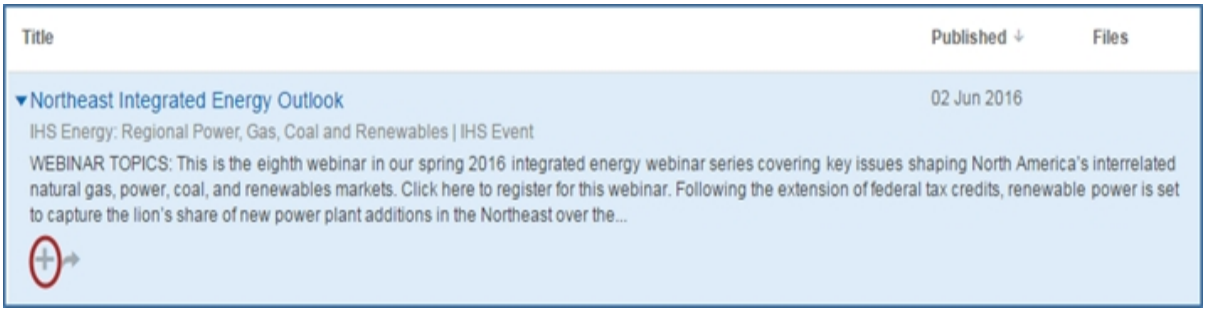
When you hover an article, the title is highlighted and an arrow is displayed to the left of the title.

Click the arrow to display an abstract.

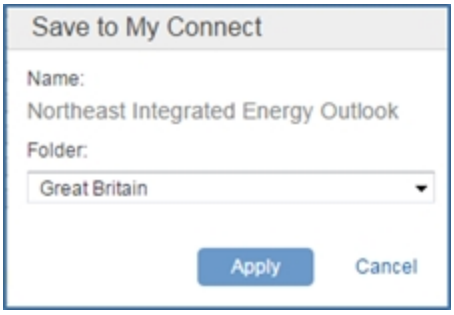


Save to My Connect

When you display an abstract, you can save the article to My Connect by clicking the plus icon.



The ***Save to My Connect*** dialog box is displayed.

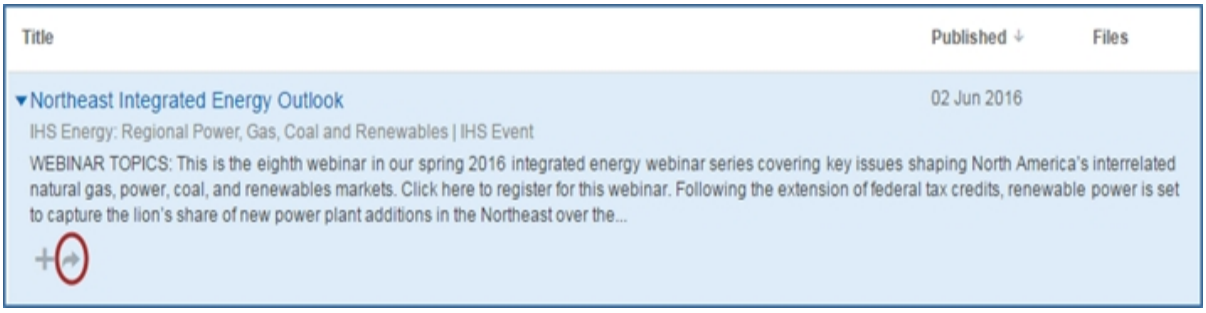


Click **Apply** to save the article to the Great Britain folder.

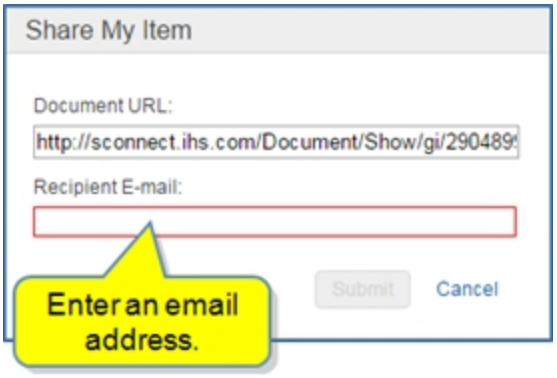
Click the down arrow to display the list of available folders or to create a new folder.

Share My Item

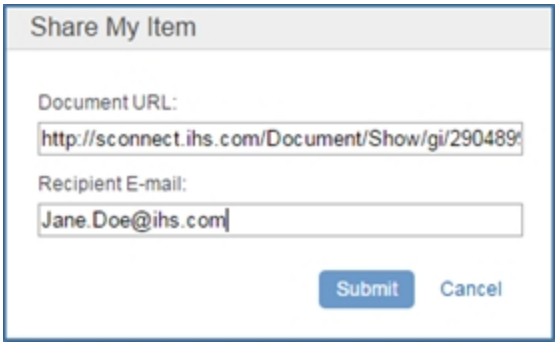
When you display an abstract, you can share the article with a colleague by clicking the **Share** icon.



The ***Share My Item*** dialog box is displayed.

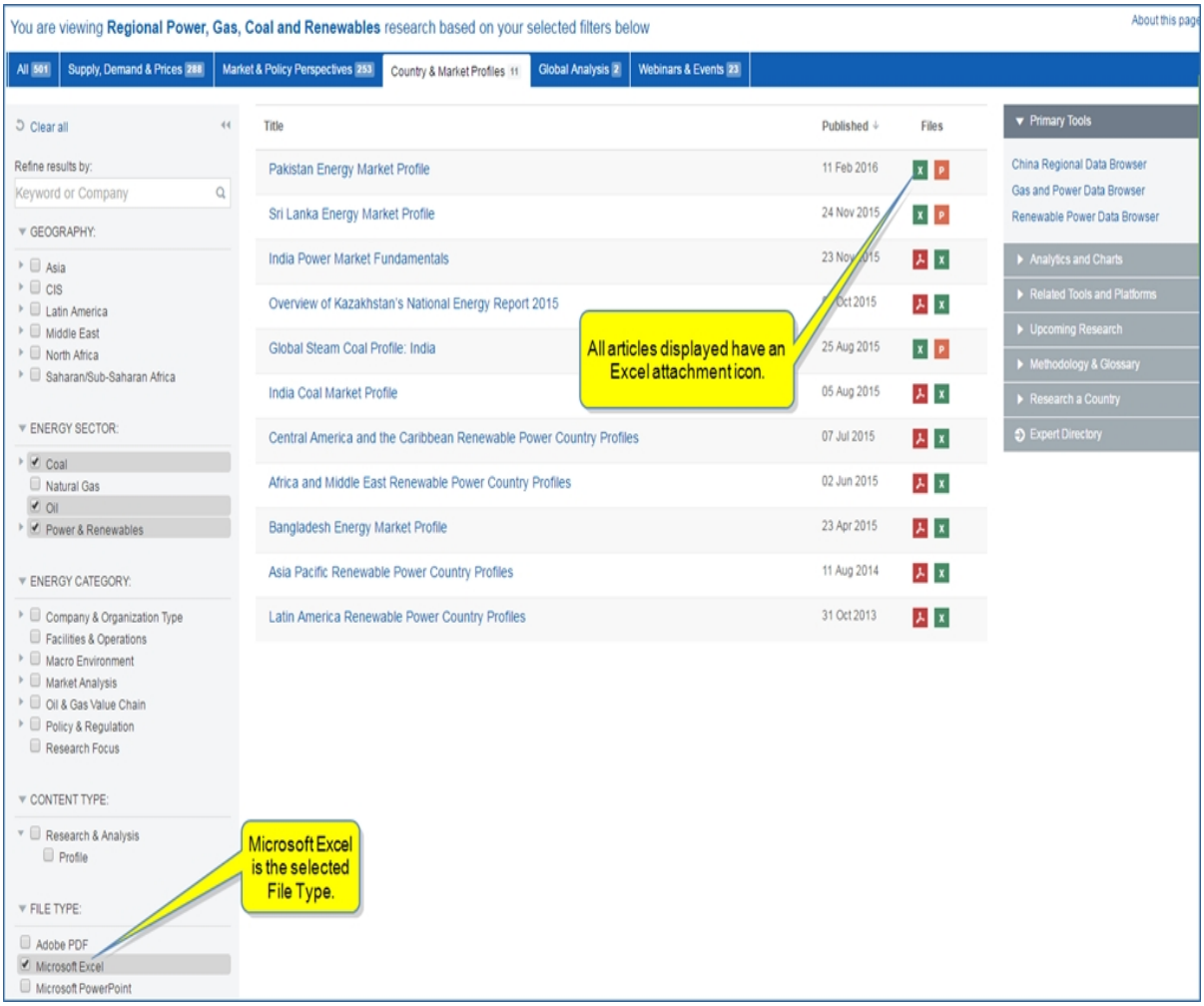


When you enter an email address, the **Submit** button turns blue. Click **Submit** to send an email with the Document URL for the article to the recipient.



Smart filters refine results

Smart filters refine results by Geography, Energy Sector, Energy Category, Content Type, and File Type. In the following example, we've selected Microsoft Excel as the File Type because we only want to see articles with data presented in a spreadsheet. We can quickly view the spreadsheets by clicking the Excel icon. It is not necessary to open the entire article.



File Type icons

File Type icons indicate attached documents as either a PDF document, images, Excel spreadsheet or Power-Point presentation, and available directly when you click the icon. The name of the attachment is displayed. Clicking the name, opens the attachment.

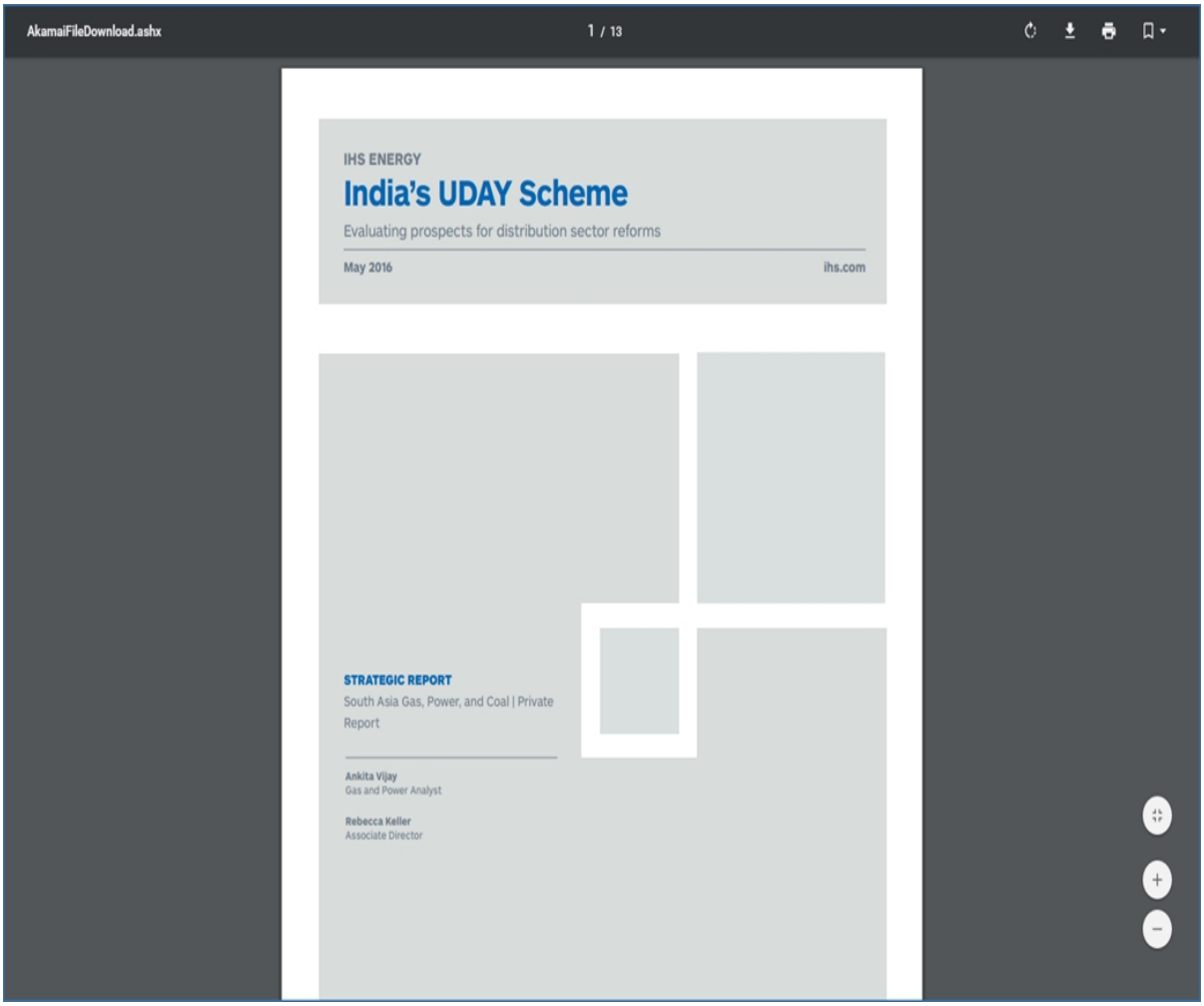
In cases where multiple documents of the selected file type are available, clicking the icon displays the list of documents. Select one to open it or use the link at the bottom to open the article.

The following example shows two articles, each with a PDF document, Excel spreadsheet, and image file.

The **Archive** button in the second article indicates there are previous issues of European Power Price Outlook for viewing.

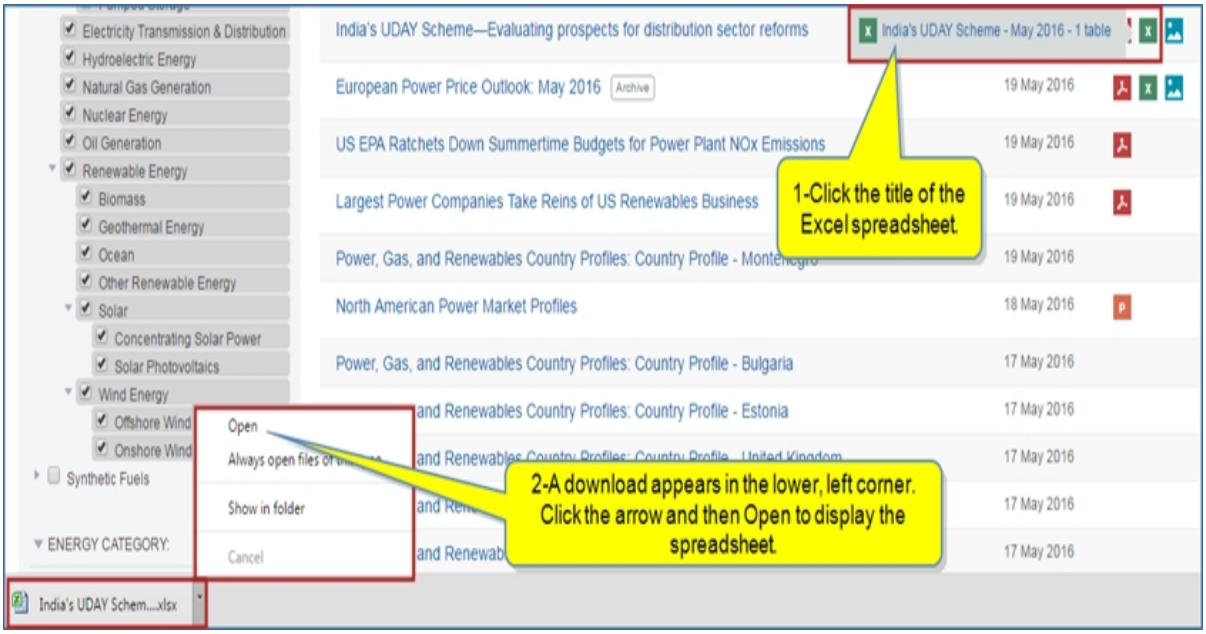
Clicking the **PDF** icon displays "India's UDAY Scheme - May 2016 - 13 pages."

Clicking the title of the PDF, opens the 13-page attachment.

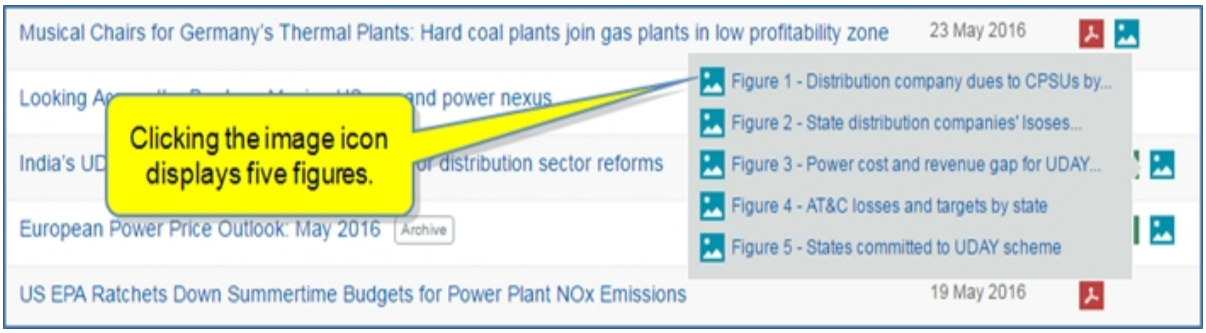


Selecting an Excel spreadsheet also displays the title.

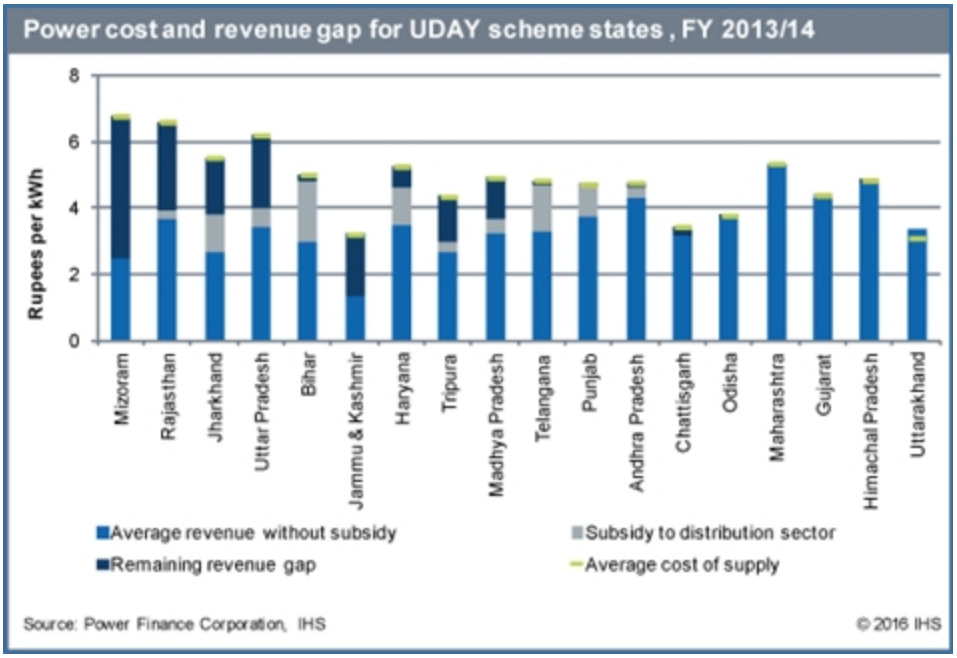
Click the title to create a download, and then open the file.



Click an image icon. In the following example, a list of five figures is displayed.

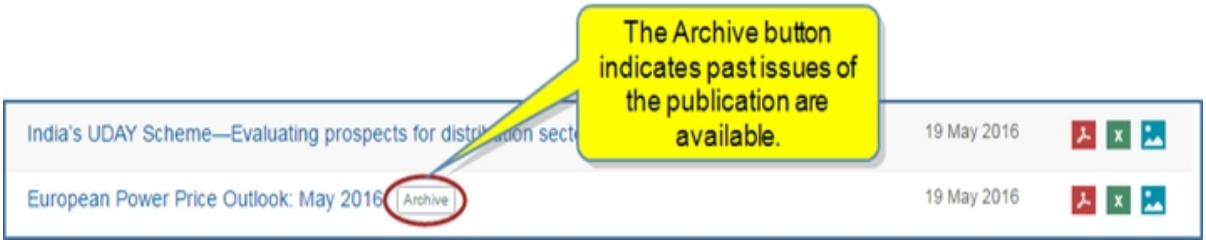


Select a figure to display the image, which is a chart.

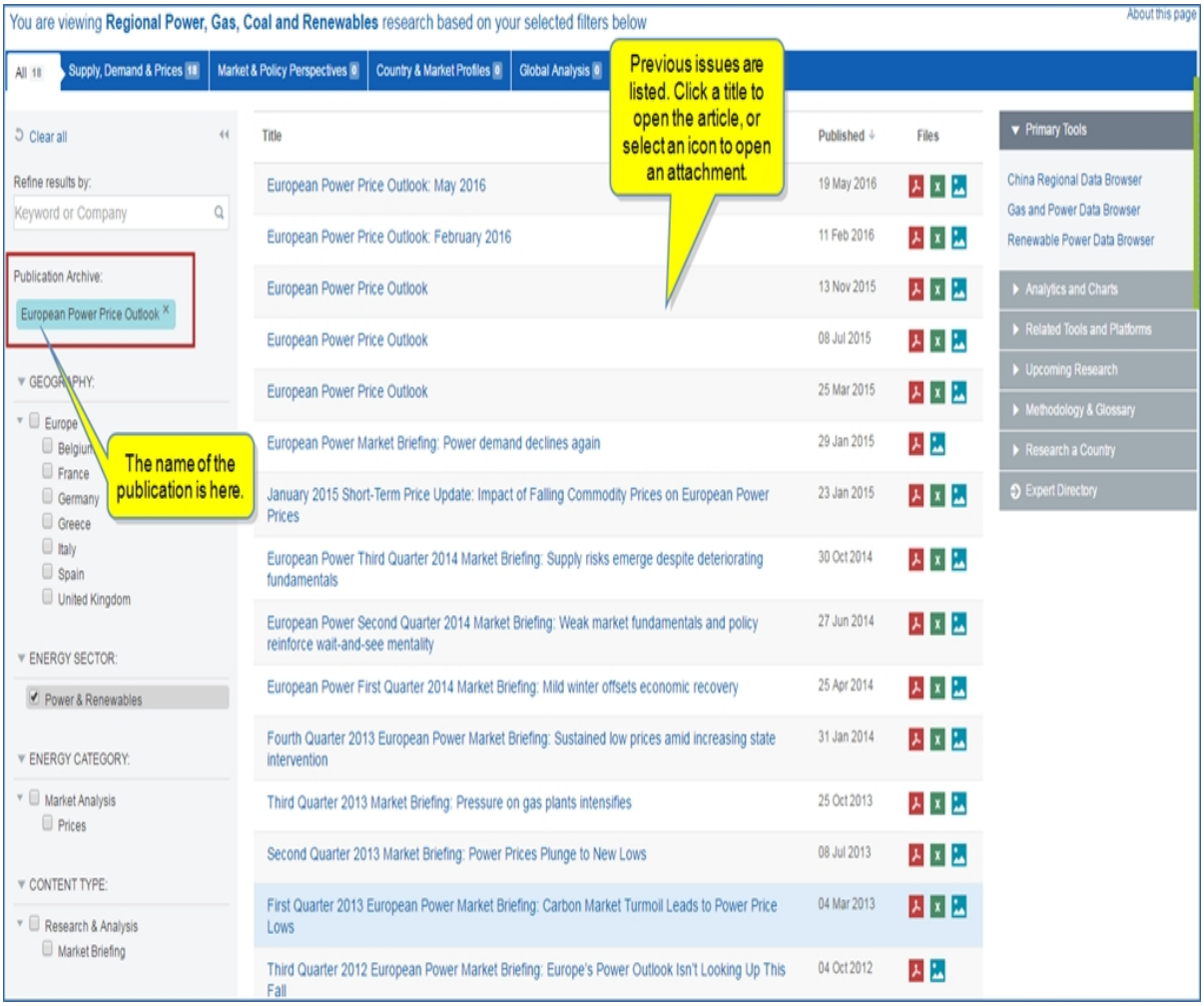


Archives

The **Archive** button displays previous issues of a publication.



Click the **Archive** button to display a list of previous issues of European Power Price Outlook.



Accordion Panel

The accordion panel provides links to tools relevant to the content on the capability pages. By clicking the arrows on the left of the accordion bars, you can expand and contract the bars.

In the following example, Primary Tools takes you directly to the query page for China Regional Data Browser, Gas and Power Data Browser, and Renewable Power Data Browser where you can view, modify, and save data series.

Also included are tools grouped under Analytics and Charts, Related Tools and Platforms, Upcoming Research, Methodology & Glossary, Research a County, and Expert Directory.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

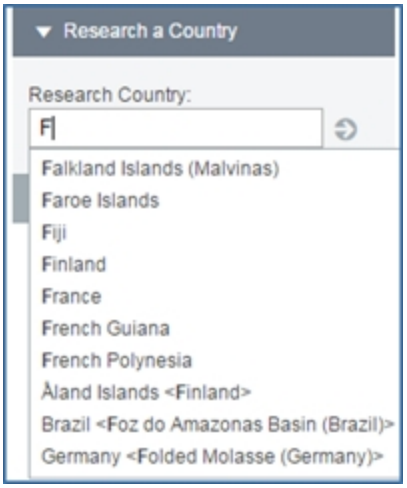
Note: Some links may take you to platforms outside of Connect where you need to enter a user name and password.

Researching a Country or Company

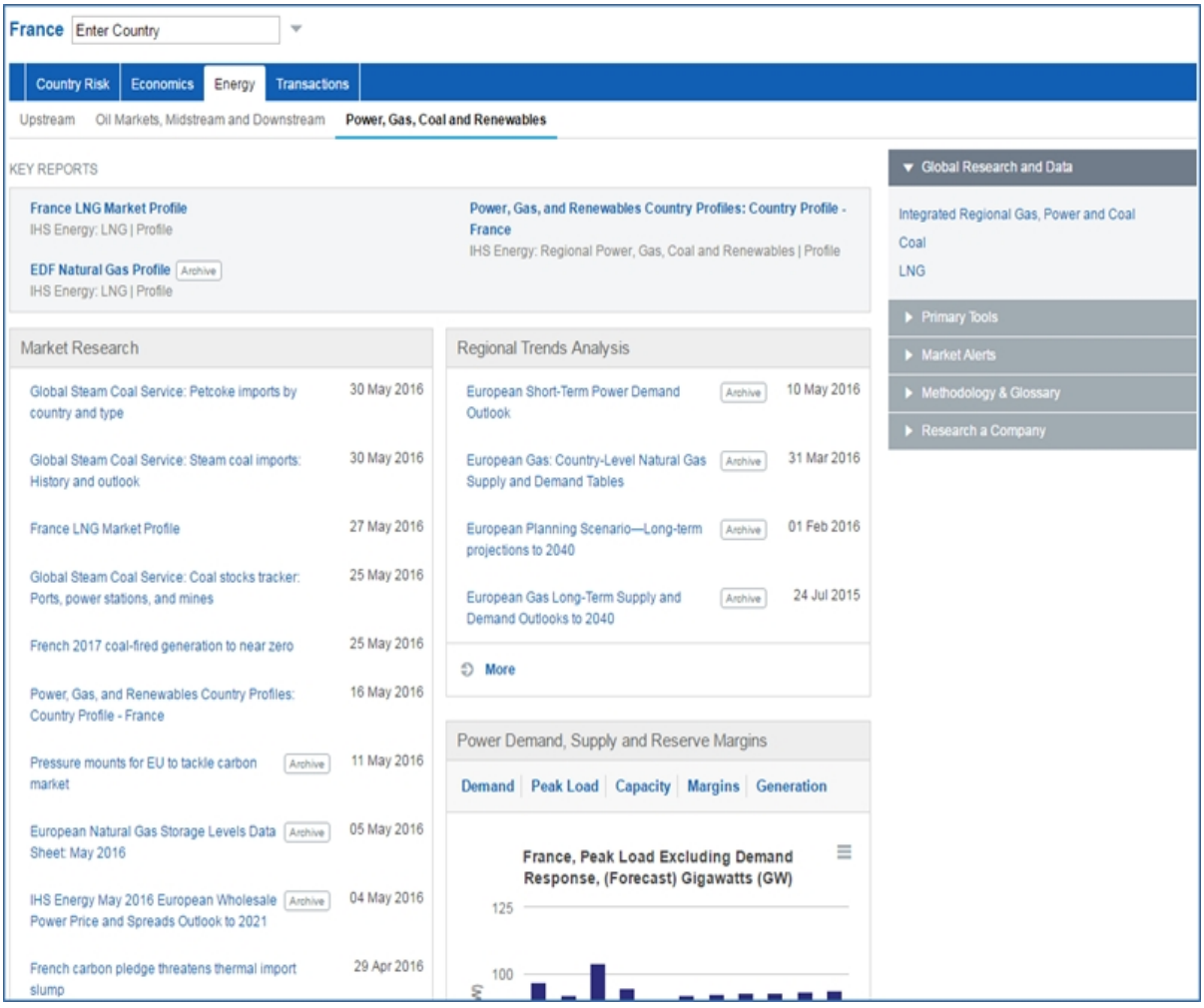
In this example of Research a Country, you are directed to the Power, Gas, Coal, and Renewables tab of the Energy Country Profile.

Click the arrow on the **Research a Country** accordion bar, and begin typing a country.

Connect shows you available options.



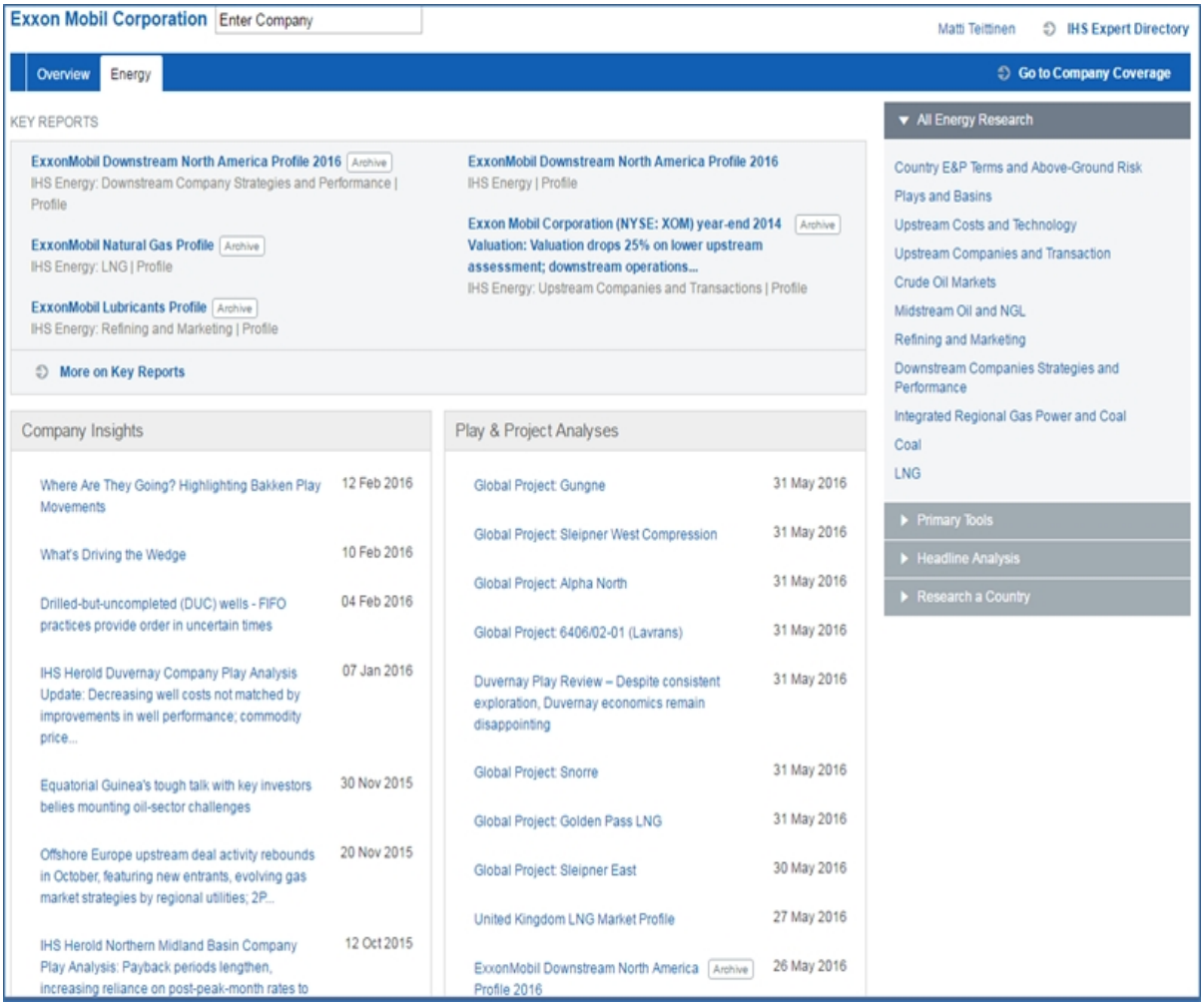
Select an option, and the country profile is displayed.



Click the arrow on the **Research a Company** or **Research a Country or Company** accordion bar, and begin typing a country.

Connect shows you available options.

Select an option, and the company profile is displayed.



Expert Directory accordion bar

Click the Expert Directory accordion bar to access experts in Energy.

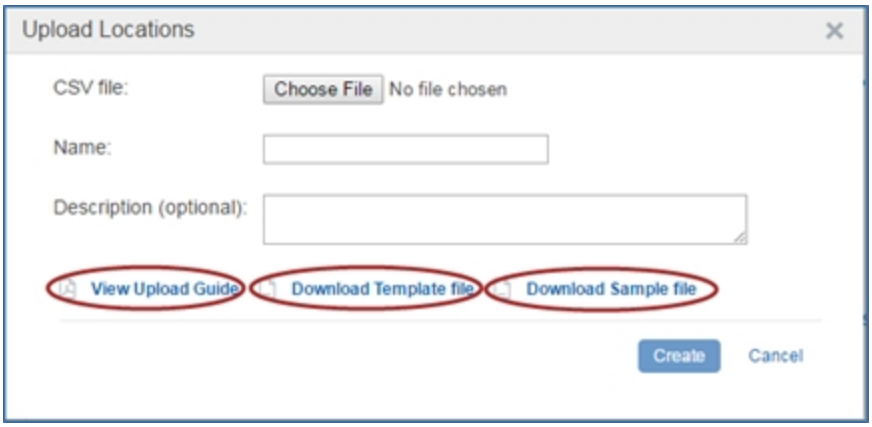
My Locations

The My Locations feature in My Connect allows you to upload attributes about geological locations you want saved in Connect. You can then filter by location(s) to view an editable attribute table, share a location with a colleague, navigate to a map with location risks flagged and details displayed about ratings for civil unrest, terrorism, war, and intelligence events, or navigate to the Location Analytics tool. Once your location(s) are saved, they become available on the Search page to view research documents about Country Risk Intelligence Events and in the Location Analytics tool for charting and manipulating risk data that can be saved and / or exported.

The My Locations filters are based on geographical locations and attributes you select and upload in an Excel template .csv location file. The format of the file allows you to upload up to four location group files. Each of those files can contain up to 10,000 locations and up to 12 attributes. For example, you may want to pinpoint all locations where you have refineries, or you may cluster several countries in a location group where you have other assets. Apply the location filters to a map to visually assess risks in an area and determine the radius around your location you want to cover. Edit the attributes for a location group in a table in My Connect / My Location or overwrite the attributes with a new upload. These are all quick and easy procedures in Connect.

The associated Location Analytics tool uses the location filters to chart risk information in Risk Exposure, Location Risk By Country, and Data View modules that contain charts, tables, and maps you can manipulate to view the data from several perspectives. Once you have filtered further with subgroups of your location data, you can create new location groups to further refine criteria. You may want to work with a single location group, or you may want to invoke comparison mode to compare two location groups to each other. You also have the choice of viewing civil unrest, terrorism, and war risks individually or in a combined format.

My Locations is also available on the Search page. The location groups you create are available for display and filtering of Intelligence Events in research documents. The uploading new location groups function is available on the Search page under in the left filters pane under Geography when you select Country Risk as the Sector as well as on My Connect / My Locations. The ***Upload Locations*** dialog box contains links to **View Upload Guide**, **Download Template file**, and **Download Sample file**. Uploading requires choosing an Excel .csv file you have compiled, and then selecting **Create**. An uploaded location group file is then automatically available on My Connect / My Location, the Map, and on the Search page.



Data is secure, uploaded through HTTPS mode and encrypted.

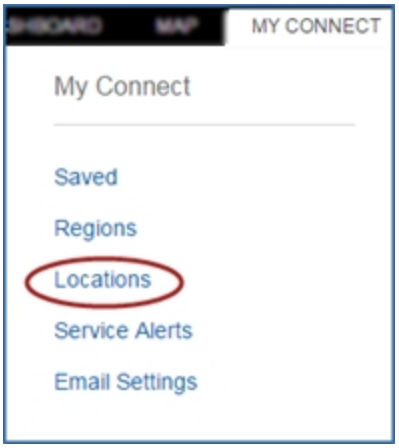
The following paragraphs explain how you can access My Locations and use specific functionality from the following content areas and tools in Connect.

- Accessing My Locations through My Connect
- Accessing My Locations through Map
- Accessing My Locations through Search

Accessing My Locations through My Connect

My Connect / My Location allows you to manage your locations and provides an expanded table to edit information or add a location. From the main My Location page, you can delete a location, share a location, navigate to the map, learn about My Locations from a specific My Locations user guide, and navigate to the Location Analytics tool.

To navigate to My Locations through the My Connect menu, select Locations from the drop-down menu.



My Connect opens with My Locations displayed. The names of your location files—up to four—are listed in the left pane. In the example below, we'll be using "Sample Location." This is a group location name that contains eight locations and their attributes—Name, Lat, Long, Type, Year, Capacity, Opened, Operator, War, Terrorism, Civil Unrest, Combined. Under the name "Sample Location" is the creation date. The selected file also displays icons under the date that give you the option to change the location group name, share the location group, view an expanded table, view the locations on a map, or remove the location group. When you share a location group with a colleague, the colleague receives an email advising of the share.

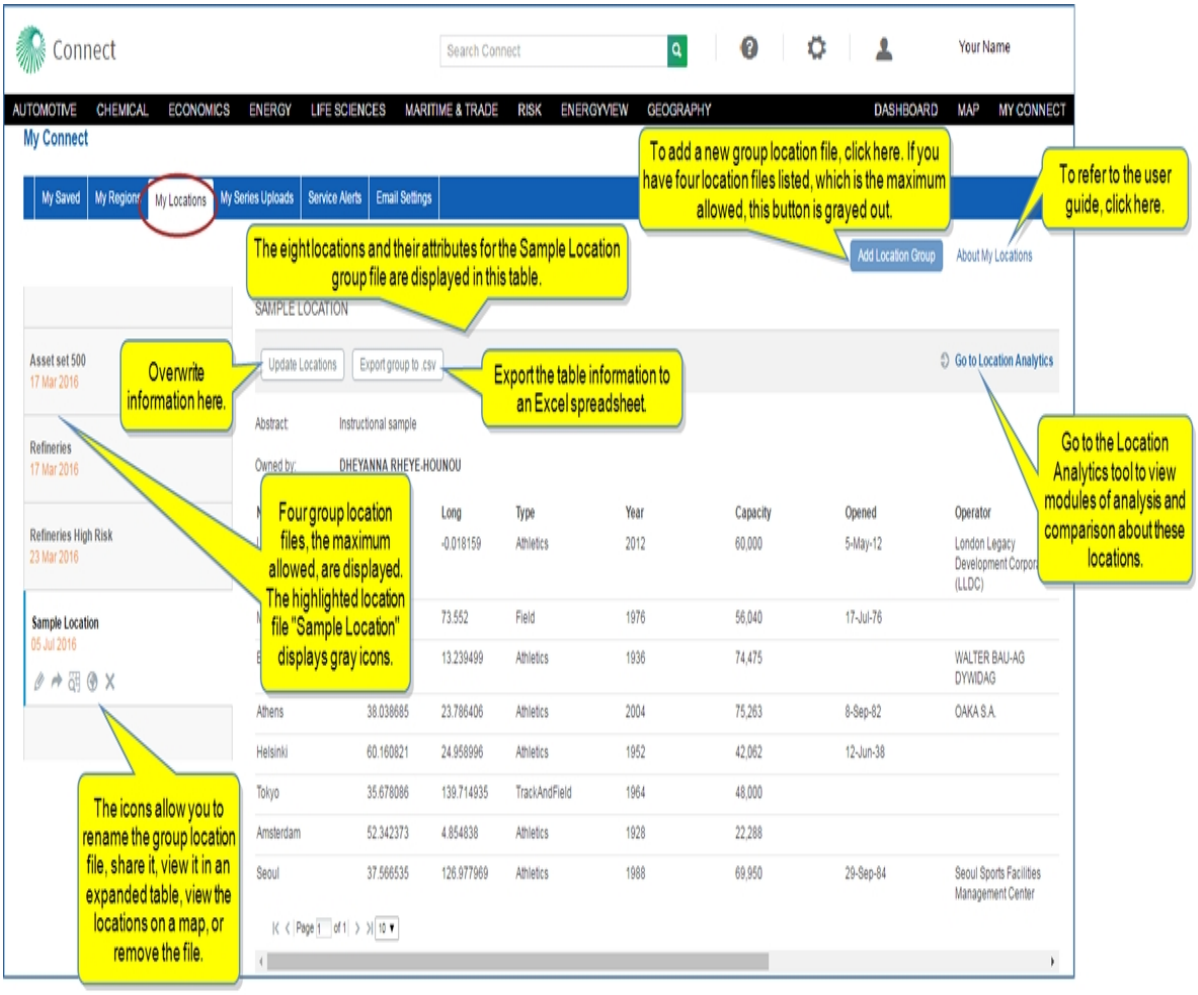
Note: You can update by overwriting the selected location file. Select **Update Locations**. Review the caution: "Caution: Uploading a new file will overwrite the location data in this Location group."

You can export the information in the table to an Excel spreadsheet .csv file, and you can move to the Location Analytics tool by selecting the

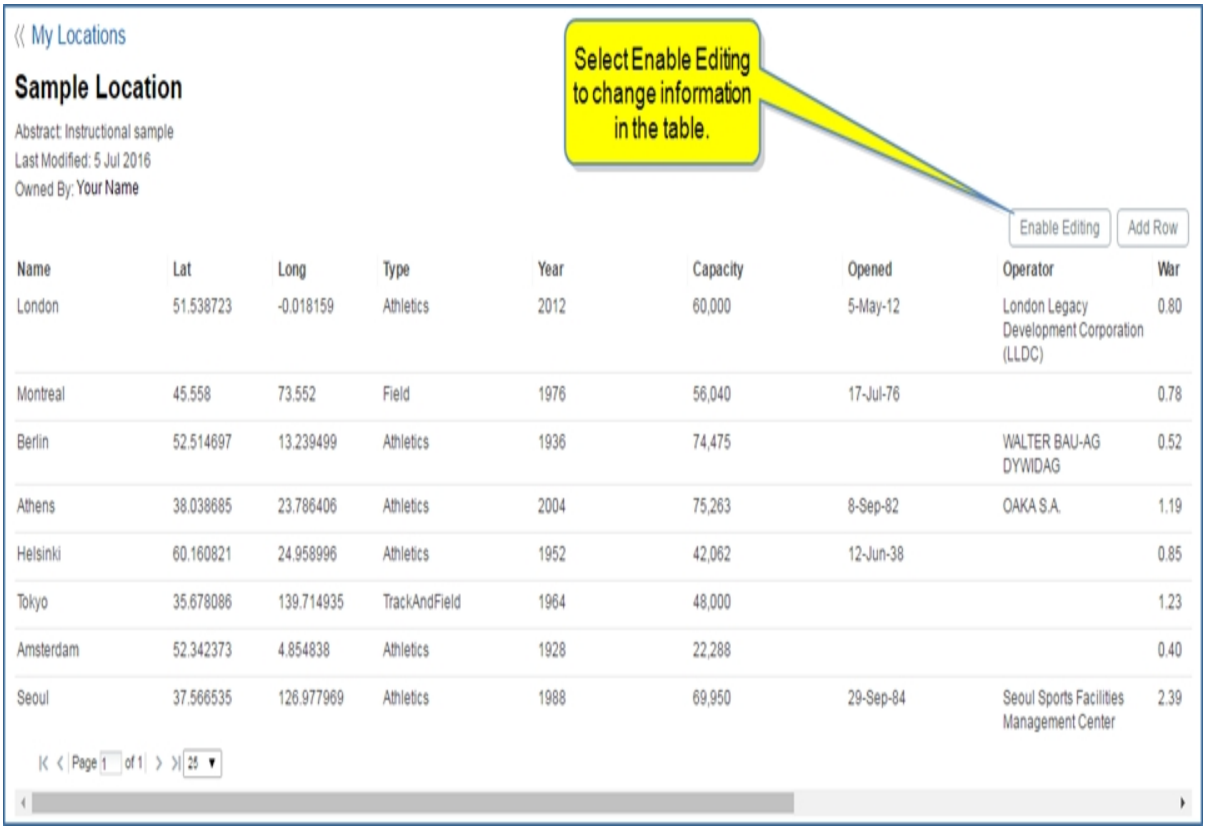
link. (You must be a subscriber to Location Analytics to use the tool.)

The functionality to upload a new location group is available when you select **Add Location Group**.

About My Locations takes you to the My Locations help guide.



When you select the expanded table icon , you are able to edit the table or add a location. Select **Enable Editing**.



Edit buttons are displayed for each row. When you select an **Edit** button, the fields available for editing in the row appear as rectangles, and **Save** and **Cancel** buttons are available. When editing is complete, select **Disable Editing** to return to a static table.

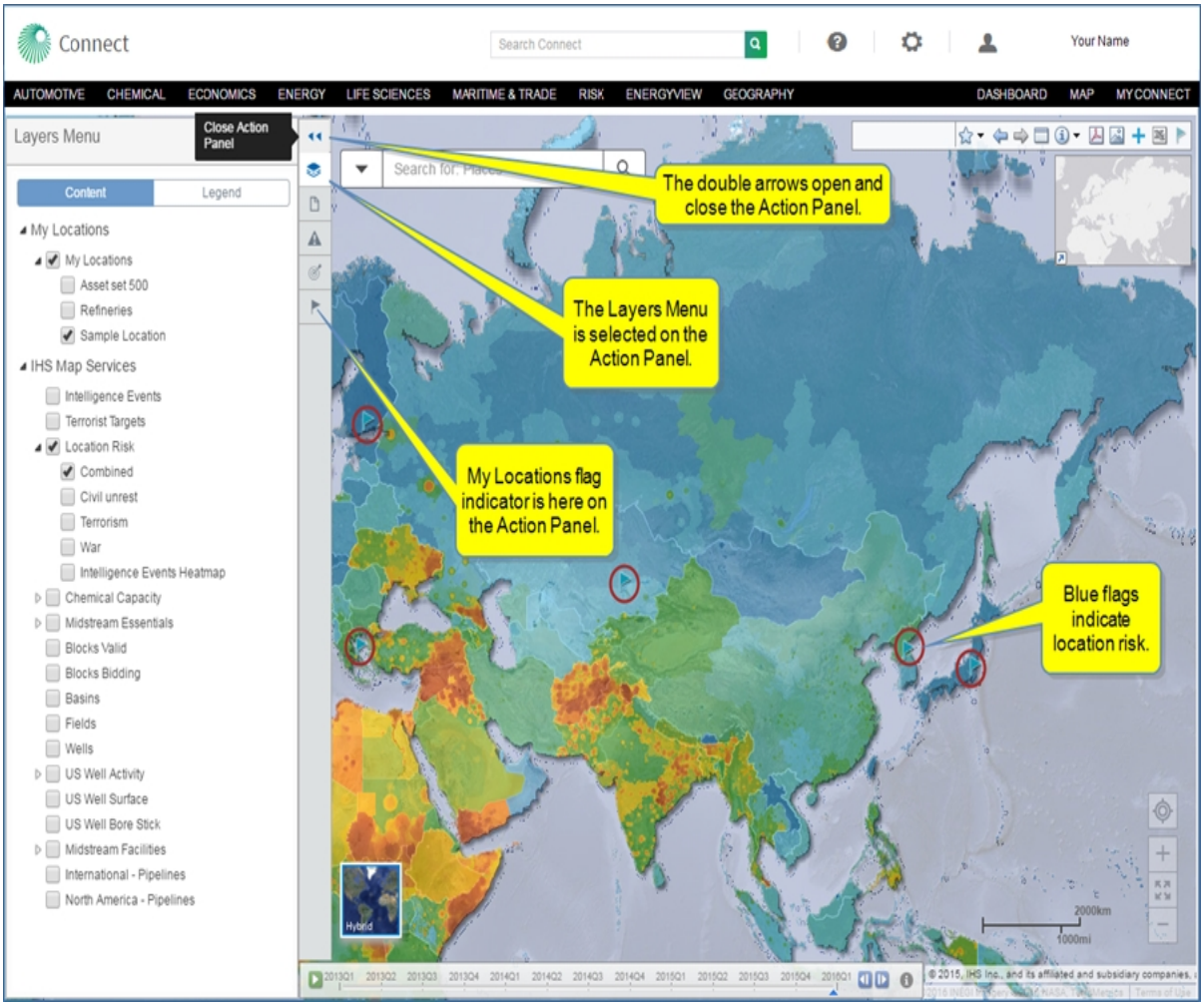
When you select **Add Location**, a new row becomes available. You can enter the attributes for the new location and **Save**. A **Cancel** button is also available to delete the row.

Accessing My Locations through Map

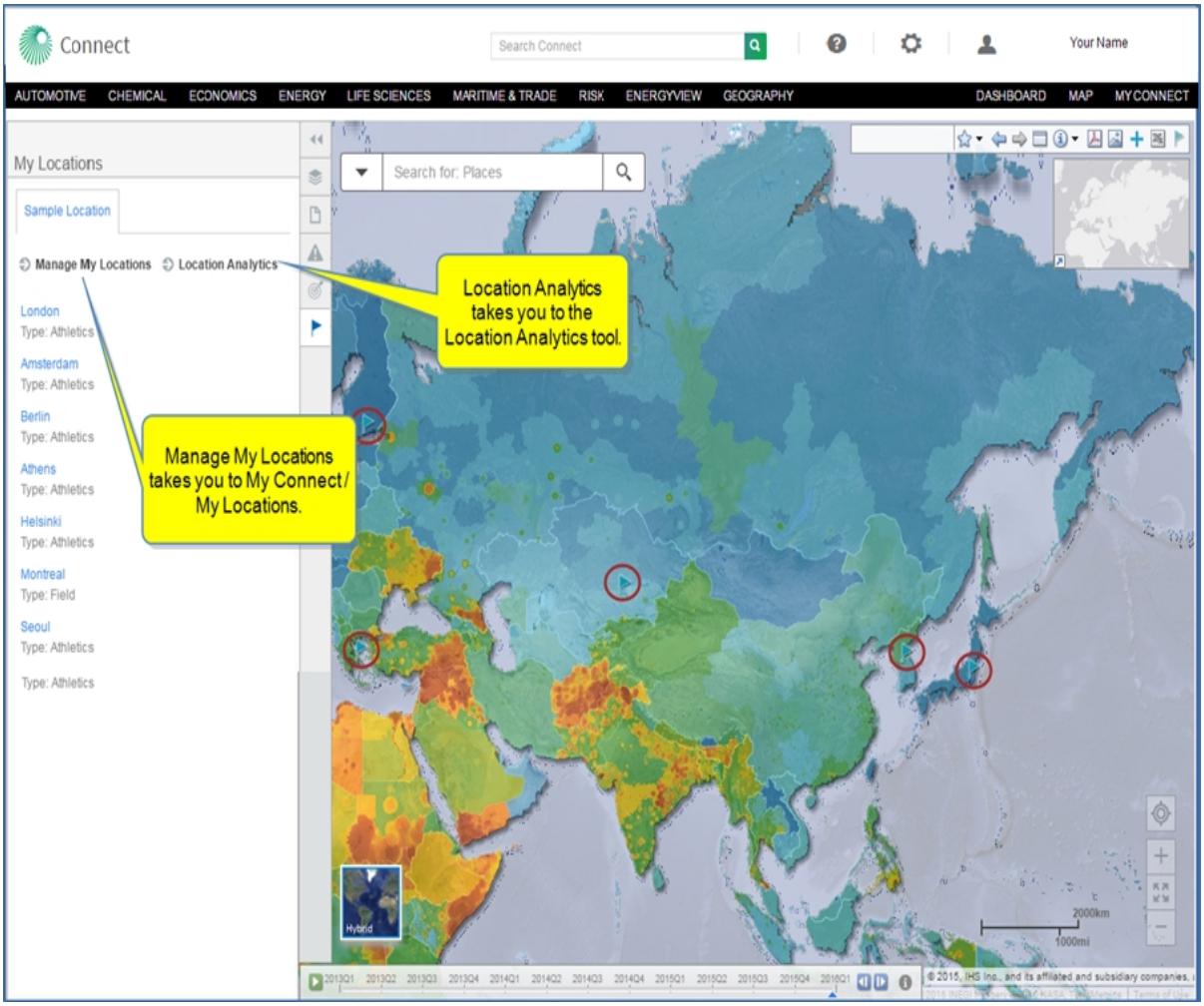
Once you have a location uploaded into Connect, you can view location risks on the Map that correspond with the geographic locations listed in your file. Menus for Layers, Research and Analysis, Intelligence Events, Terrorist Targets, and My Locations are displayed to the left of the Map in the Open Action Panel. If you select **My Locations** > **Sample Location**, and **Location Risk** > **Combined**—Combined includes Civil unrest, Terrorism, War, and Intelligence Events Heatmap, you view the following example.

The Map below shows the Action Panel open with the Layers Menu selected. Three locations are listed—Asset set 500, Refineries, and Sample Location. "Sample Location" is selected, and "Location Risk Combined" is selected. Red circles on the Map identify blue flags that represent location risk information for the locations included in "Sample Location."

Note: The flags are different colors when you select more than one location so that you can distinguish on the map which location has a risk marked by a flag.

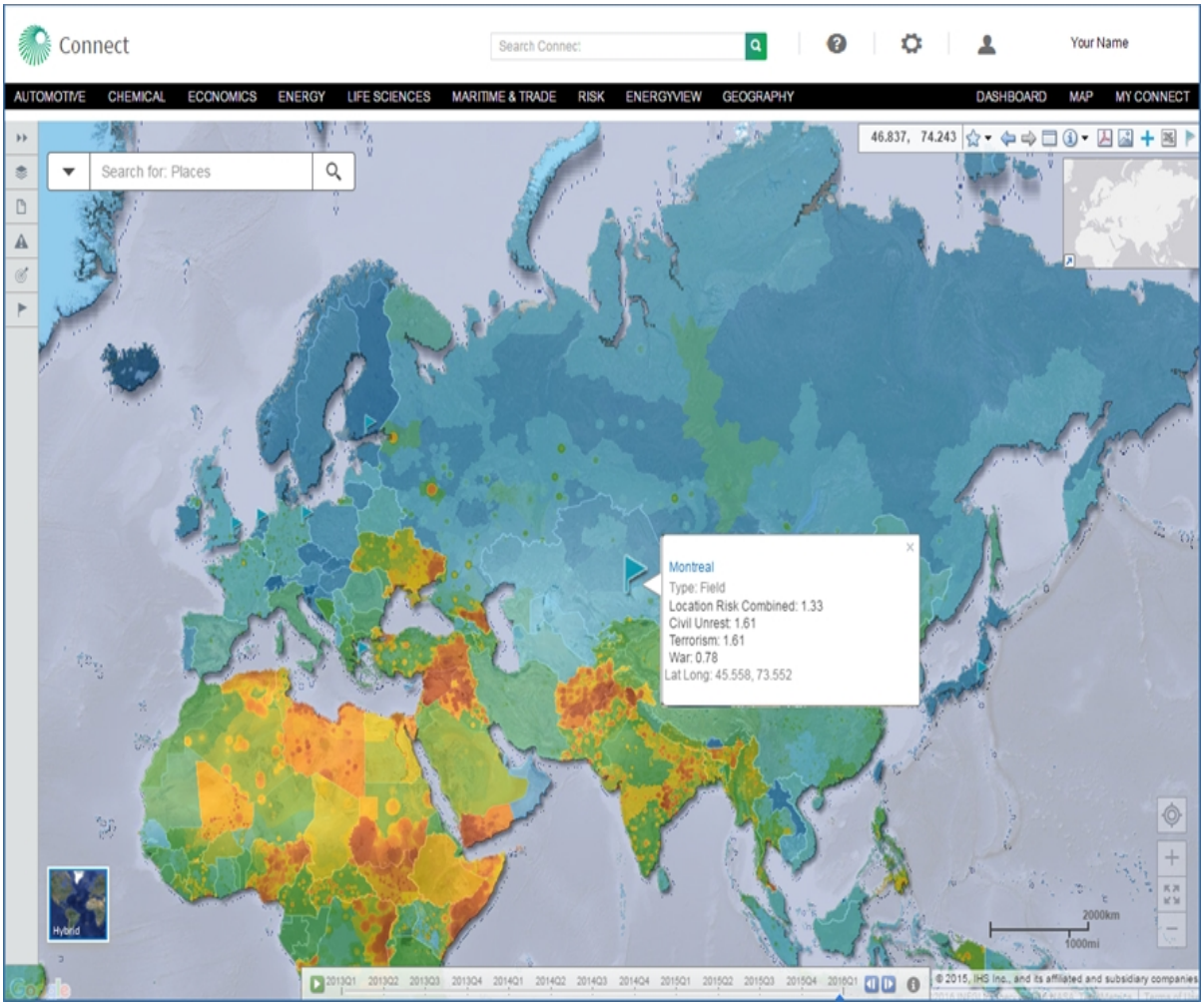


Before we look closer at the indicator flags on the map, let's open **My Locations** from the Action Panel. Here we can see the contents of "Sample Location"—Montreal, Athens, Helsinki, Seoul, and Tokyo. The blue flags on the Map correspond with these locations. (When you have selected other locations on the Layers Menu, they appear as selectable tabs on the My Locations menu, and all of the flags for these locations are displayed on the map.)

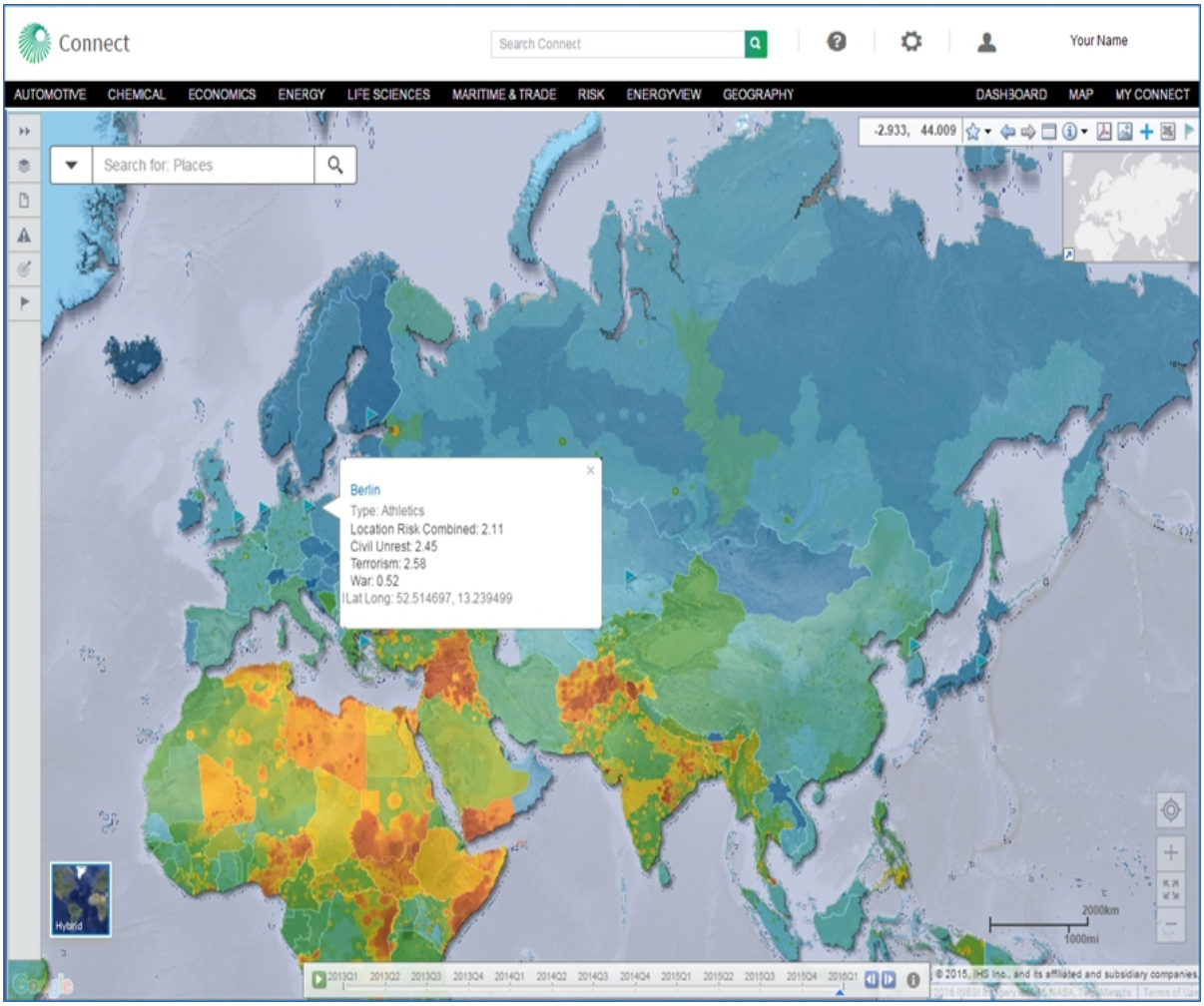


We'll close the Action Panel to see the entire map and click the blue flags, which give risk information about the locations listed in "Sample Location."

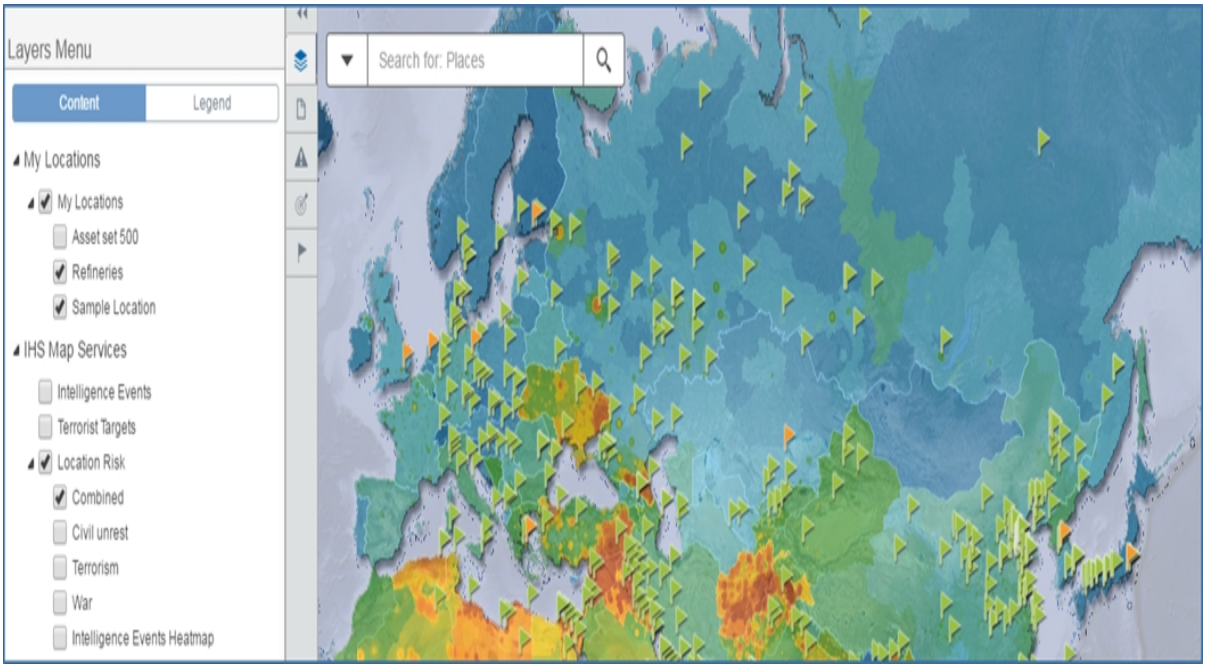
For Montreal, the Location Risk Combined is 1.33. Civil Unrest is 1.61, Terrorism is 1.61, War is 0.78. The Lat Long are also listed: 45.558, 73.552.



The following example shows the information for Berlin.



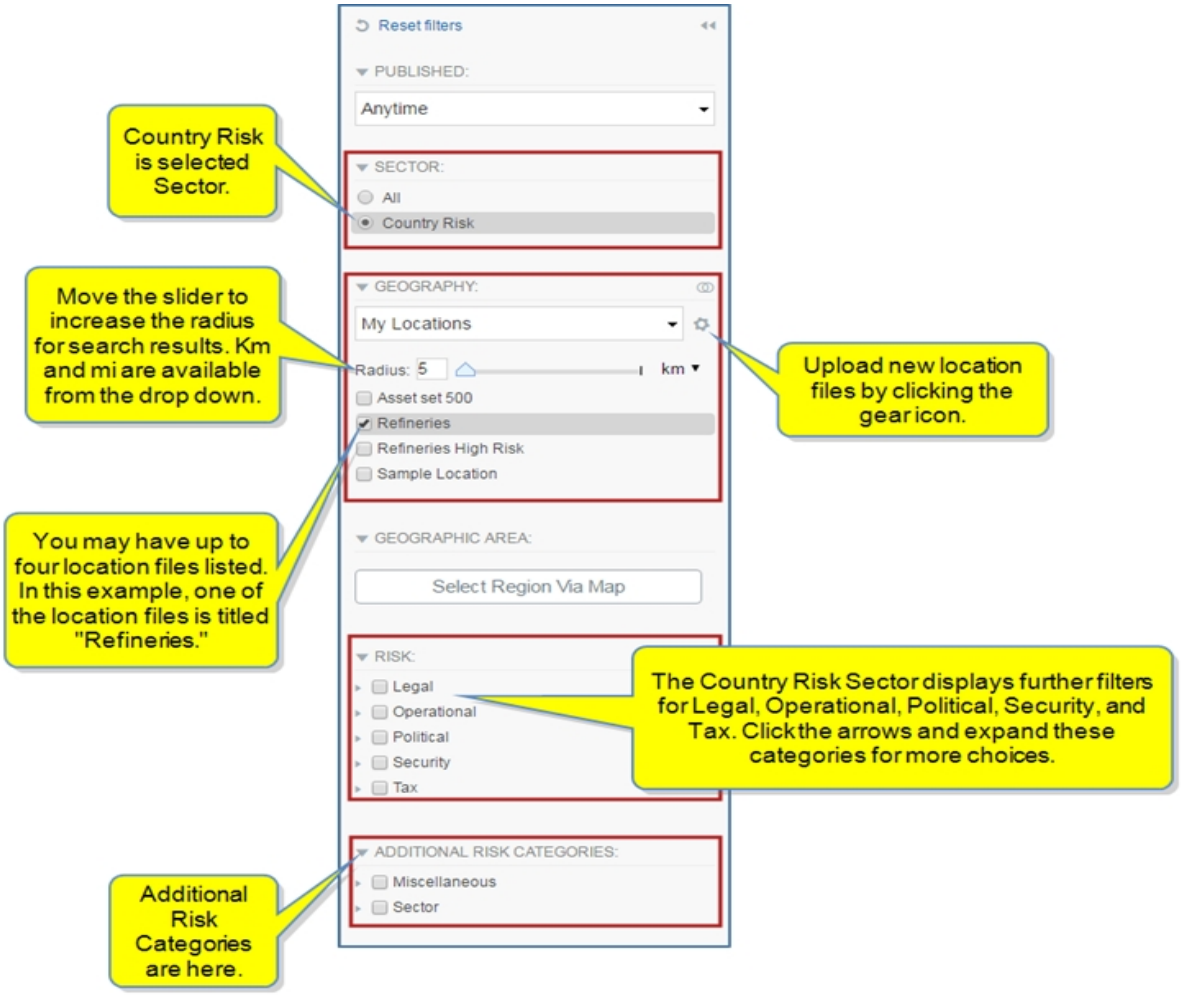
The Layers Menu and My Locations menu show two locations selected—Refineries and Sample Location. The corresponding flags for those locations are green and orange.



Accessing My Locations through Search

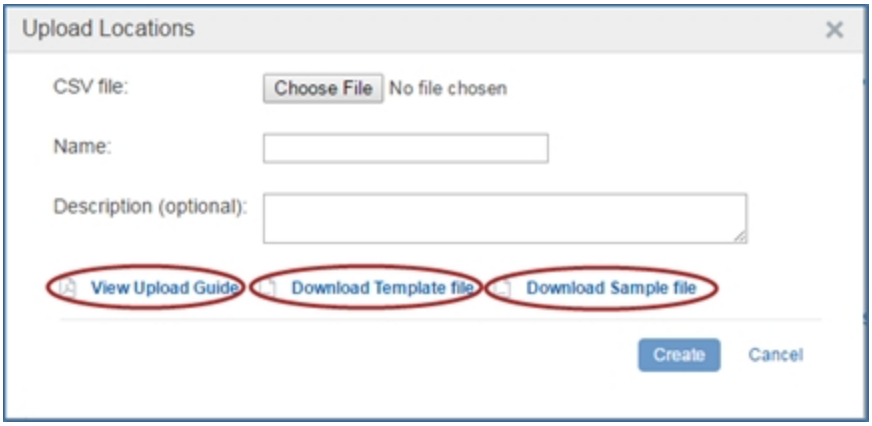
My Locations is available on the Search page under Refine Search Results when you select the Country Risk Sector. Under Geography, you can filter with **IHS Regions**, **My Regions**, or **My Location**.

The ***Upload Locations*** dialog opens when you select the gear icon next to **My Locations**.

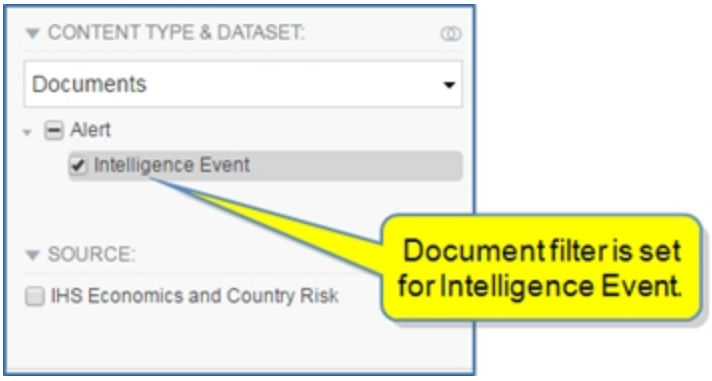


After selecting a location file, you can set the radius (km or miles) you want included as the margin around your location. The corresponding documents are displayed in the center of the page.

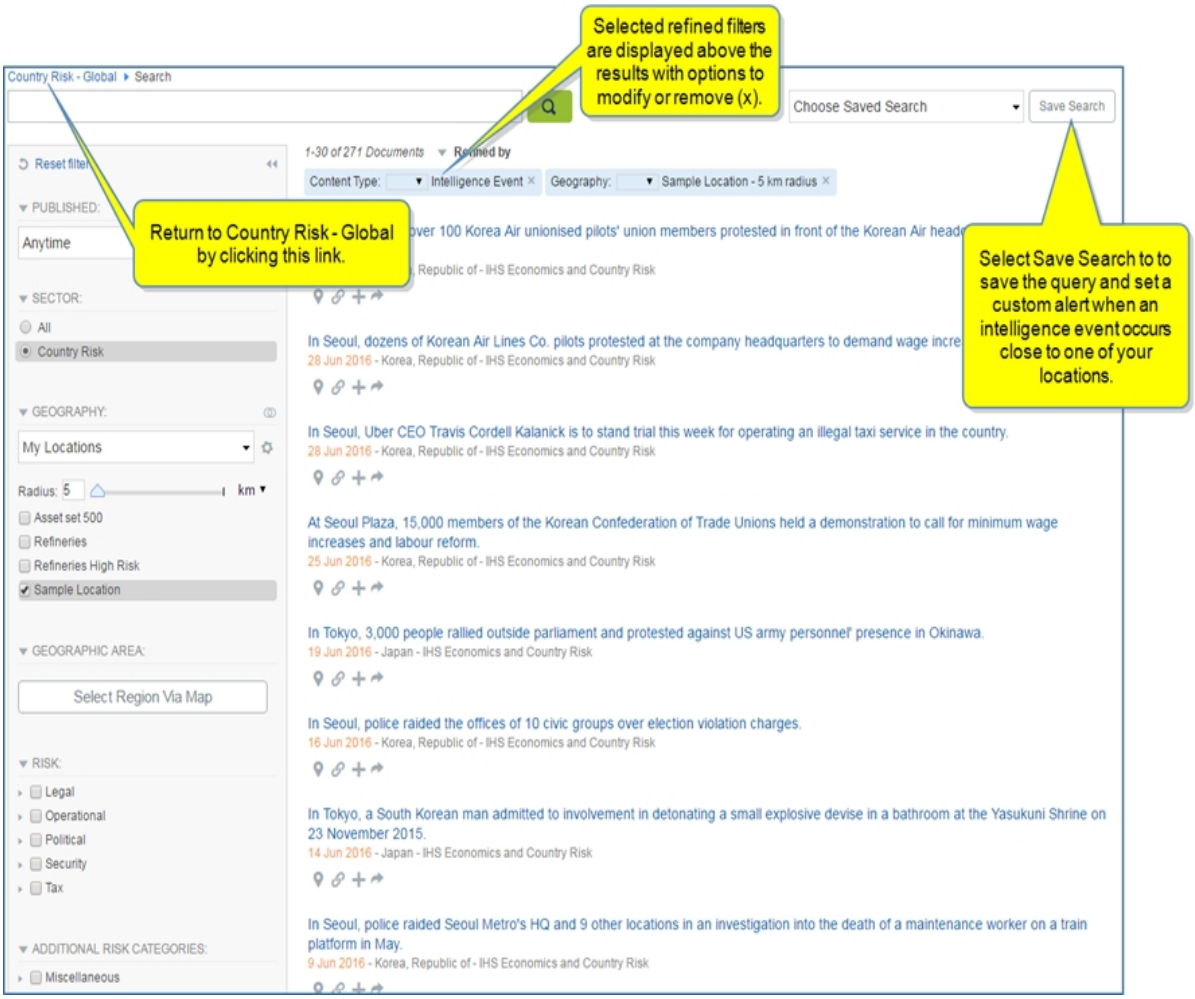
When you select the Gear icon , the ***Upload Locations*** dialog box is displayed with links to **View Upload Guide**, **Download Template file**, and **Download Sample file**.



The Content Type & Dataset is filtered for Intelligence Event.



In the following example, we have come from a Country Risk - Global page to Search by selecting the search icon in the Search IHS Connect field. Therefore, the Search page is filtered for the Country Risk Sector. The locations included with Sample Location are London, Montreal, Berlin, Athens, Heisinki, Tokyo, Amsterdam, and Seoul. (Refer to Sample Location in the table format on My Connect / My Locations to view the names and other attributes of each location in the Sample Location file.) Note the search results list documents about these locations.



My Regions

The My Regions feature in Connect allows you to create and name your own regions.

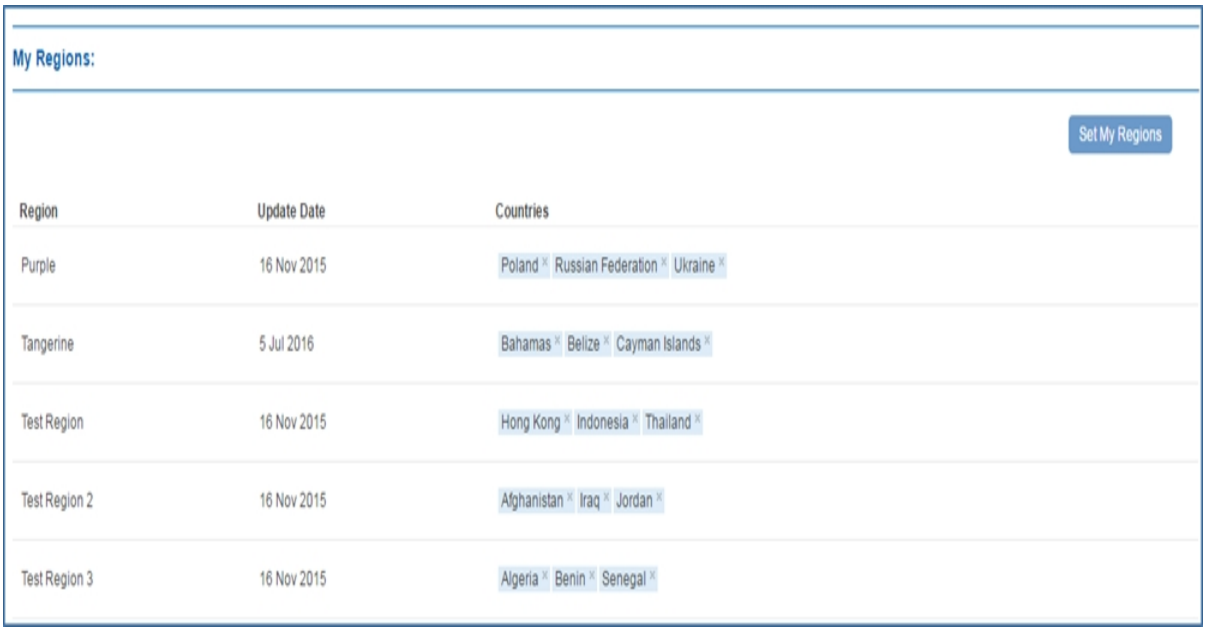
You can create or modify your customized regions on the following pages:

- ***My Connect***—select the **My Regions** tab.
- ***Risk > Country, Banking, or Sovereign Risk > Risks and Ratings***—on either the Map, Table, or Chart view, open the filters pane on the left and view My Regions under Geography. (You can view the Chart view under the E&P Ratings and Rankings tab.)
- ***Search***—view the filter panel on the left. My Regions appears under Geography.

To create or edit your own region on My Connect

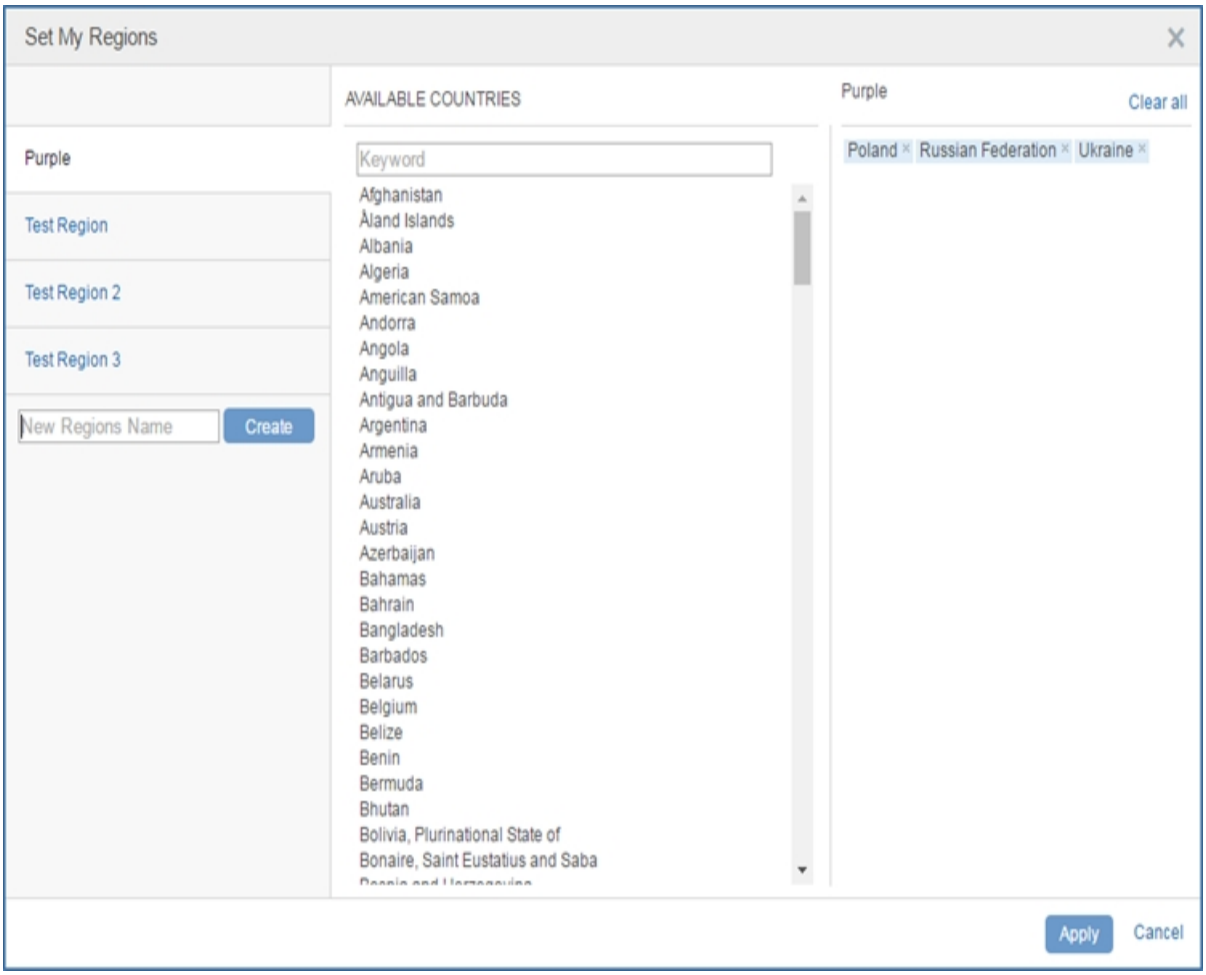
1. Select the **My Regions** tab.

   My Regions you previously created are displayed. You can delete any of the countries listed by clicking the x.



2. Choose Set My Regions on the My Connect page.

   The Set My Regions / My Regions dialog box is displayed. In the following example, there are three customized regions (My Region). After selecting a customized region on the list, you can delete any of the countries listed in the right pane by clicking the x, or you can remove all counties by clicking **Clear all**.

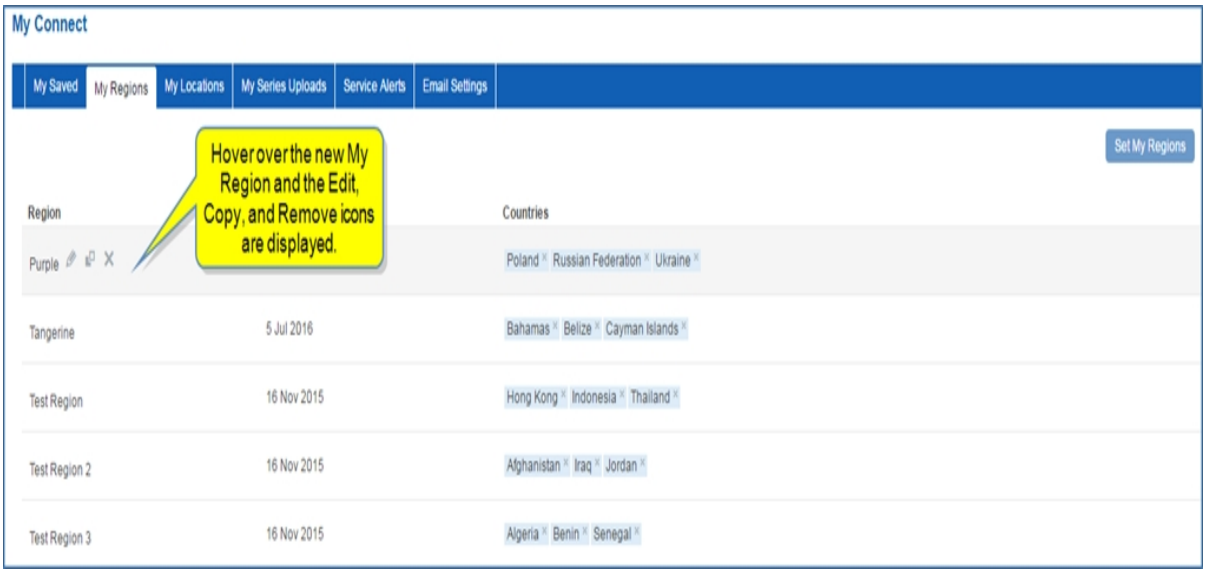


3. To create a new customized region, enter the name in the **New Regions Name** field, and then click **Create**. We'll enter "Purple."

4. Use the Keyword field under Available Countries to enter the name of a country or select countries from the list. We'll select "Poland," "Russian Federation," and "Ukraine."

5. Click **Apply**.

   My Regions now displays the new entry.

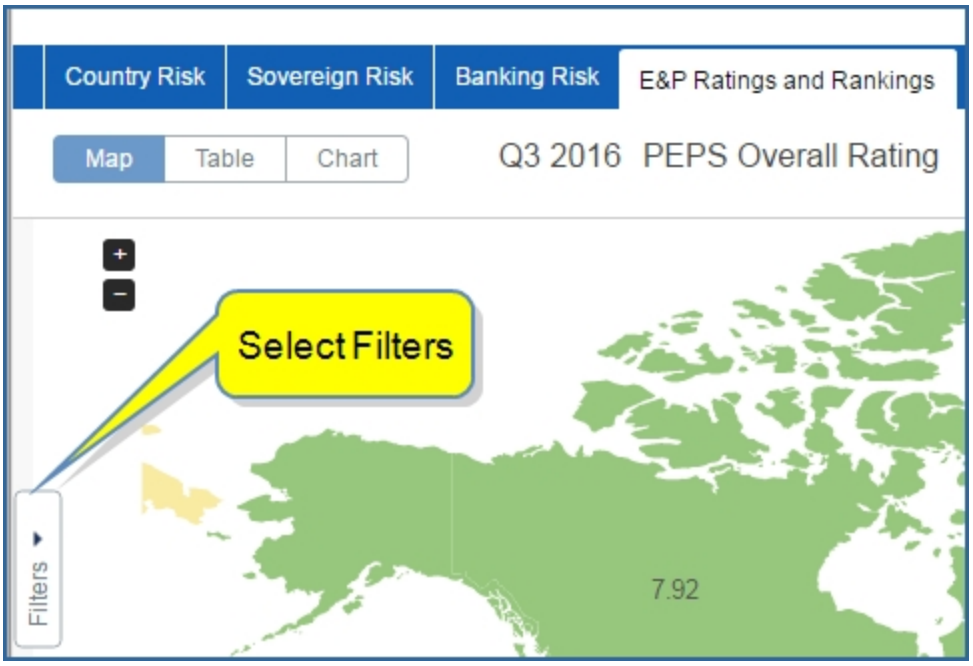


When you hover over Purple, the **Edit**, **Copy**, and **Remove** icons are displayed. Click **Edit** to open the Set My Regions dialog where you can select new or different countries for the selected My Region, or you can create a new My Region. Select **Copy** to add Purple1 as a copy of the My Region. Clicking **Remove**, deletes the selected My Region.

• • •

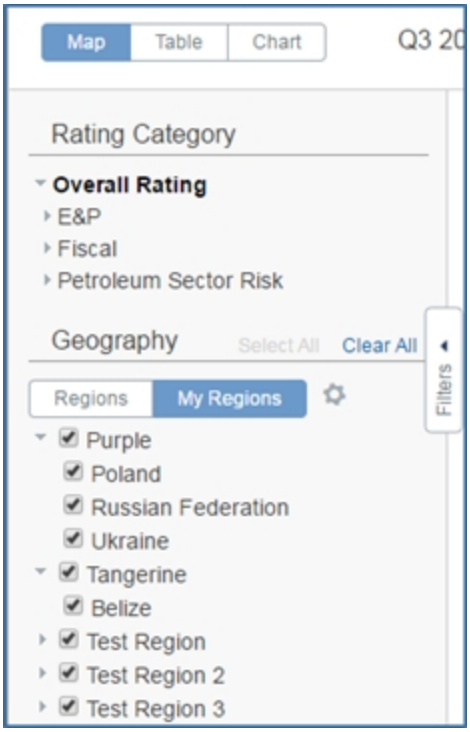
To create or edit your own region on Risk > Country, Banking, or Sovereign Risk > Risks and Ratings

1. Select **Risk > Country, Banking, or Sovereign Risk > Risks and Ratings**.
2. On the Map, Table, or Chart page, select **Filters**.



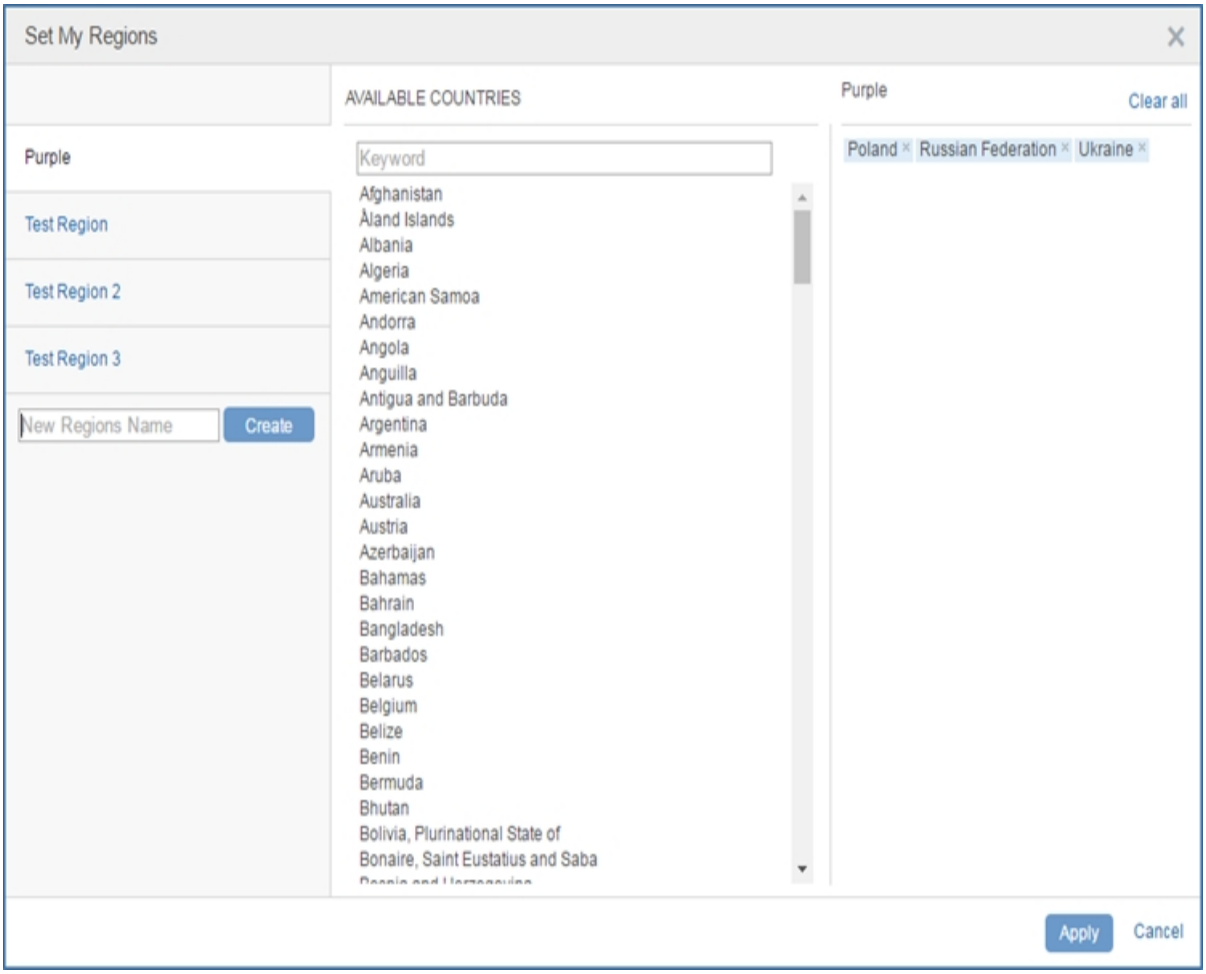
3. Select **My Regions**.

   Any customized My Regions are listed, and the countries included are listed when you expand the region.

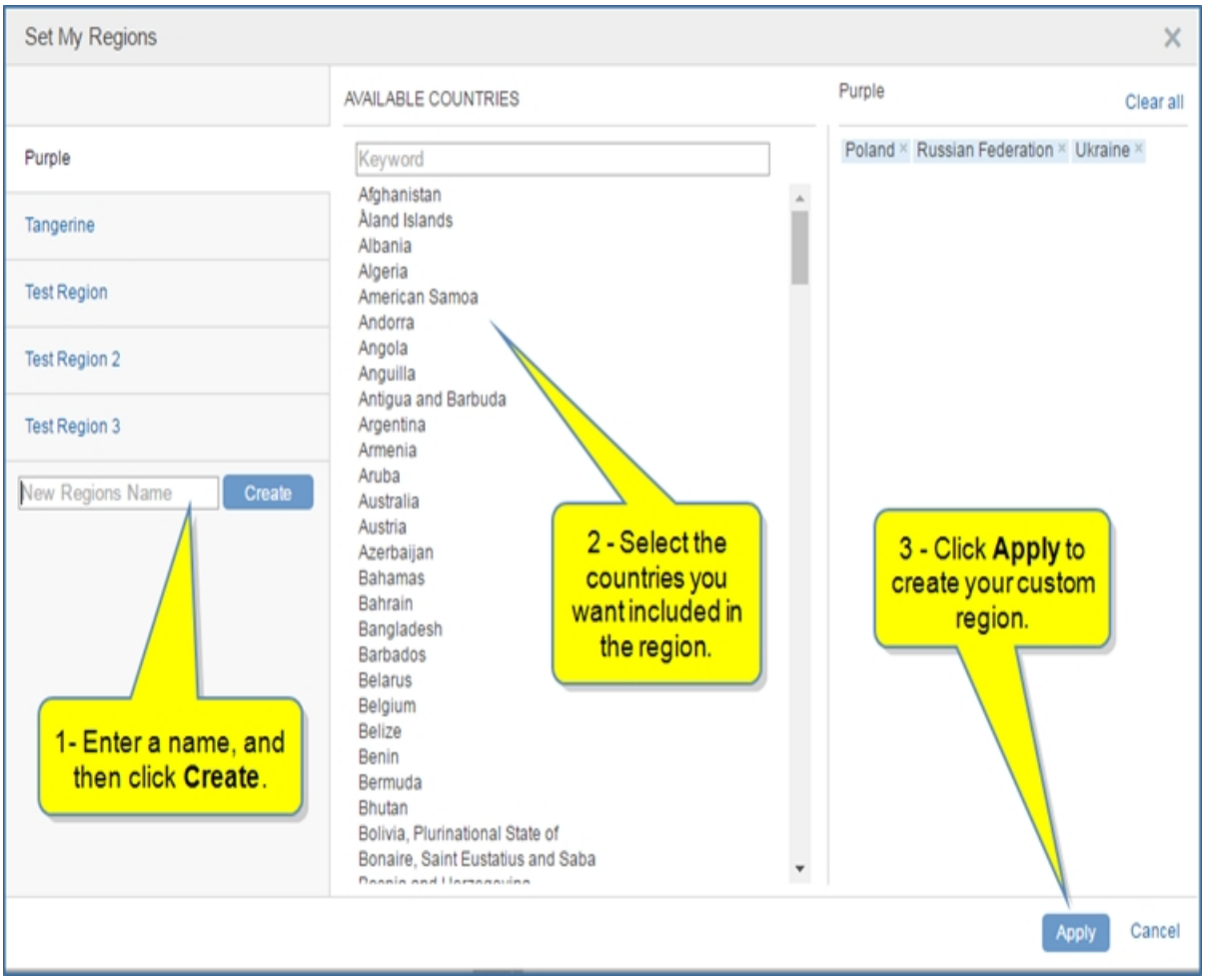


4. Click the gear icon to display the ***Set My Regions*** dialog.

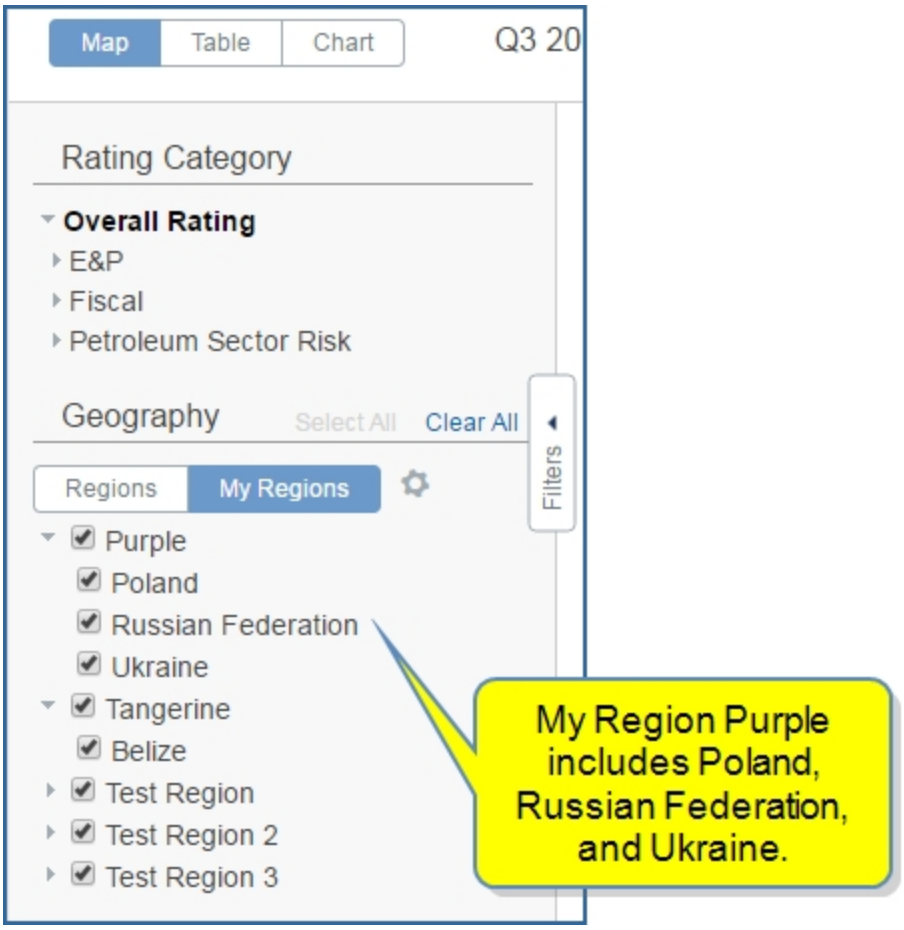
   The ***Set My Regions*** dialog box is displayed. In the following example, there are three customized regions (My Region). After selecting a customized region on the list, you can delete any of the countries listed in the right pane by clicking the x, or you can remove all counties by clicking **Clear all**.



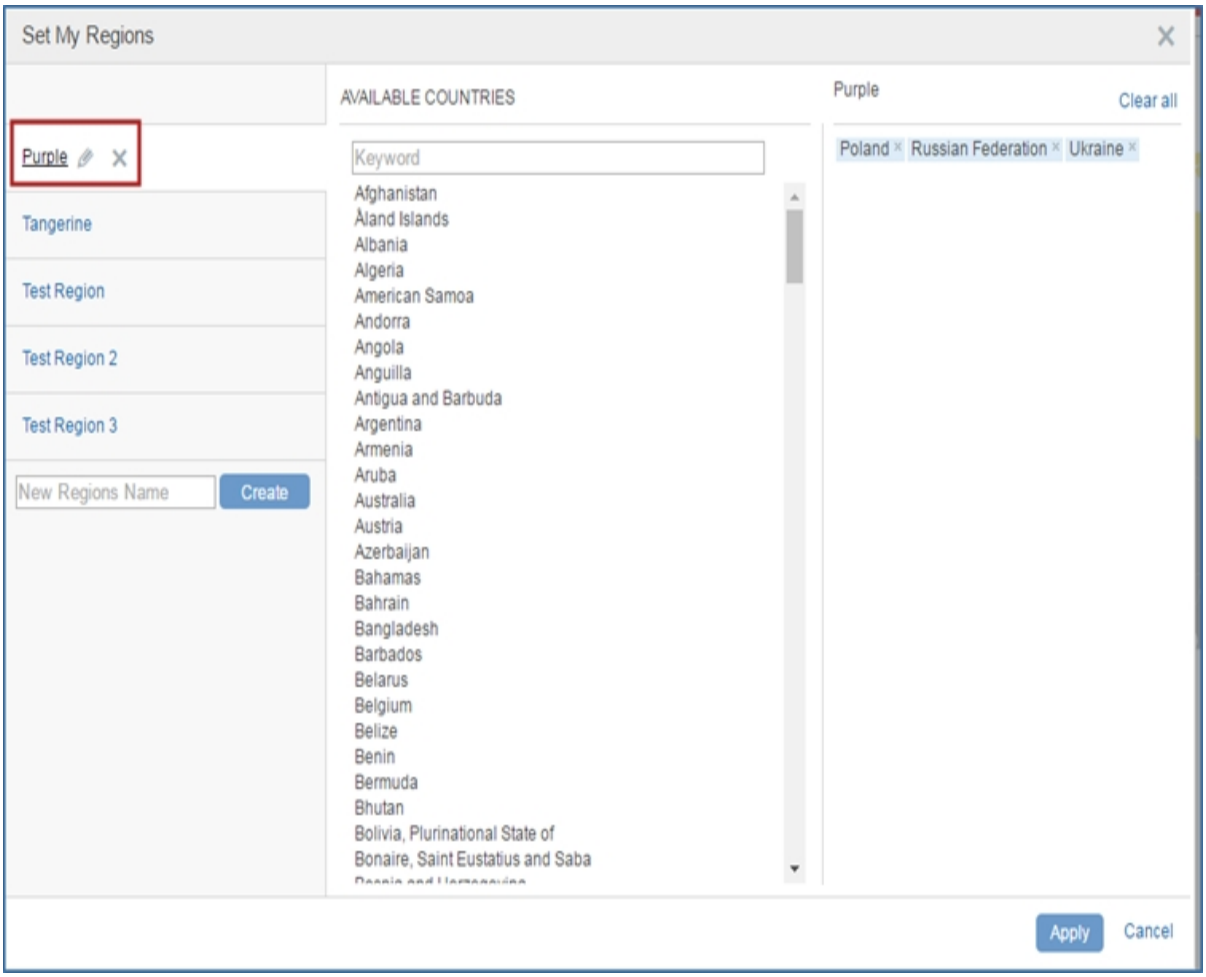
5. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected for the region. In this example, the custom region is "Purple" and includes "Poland," "Russian Federation," and "Ukraine."



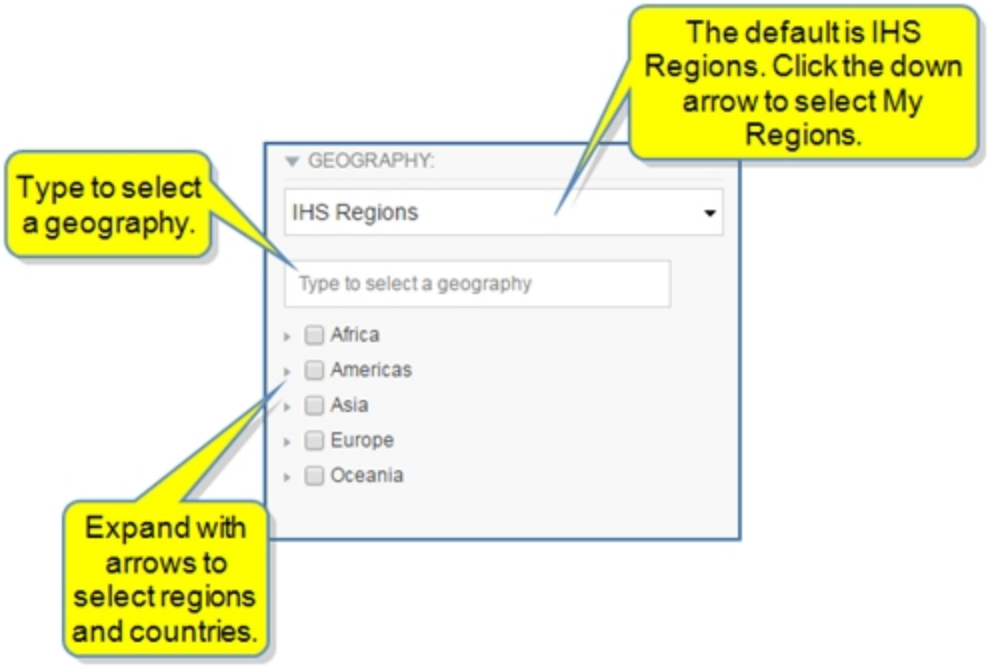
6. To Edit or Remove a custom region, click the gear icon , hover over the name of a region, and select the **Edit** or **Remove** icons.



• • •

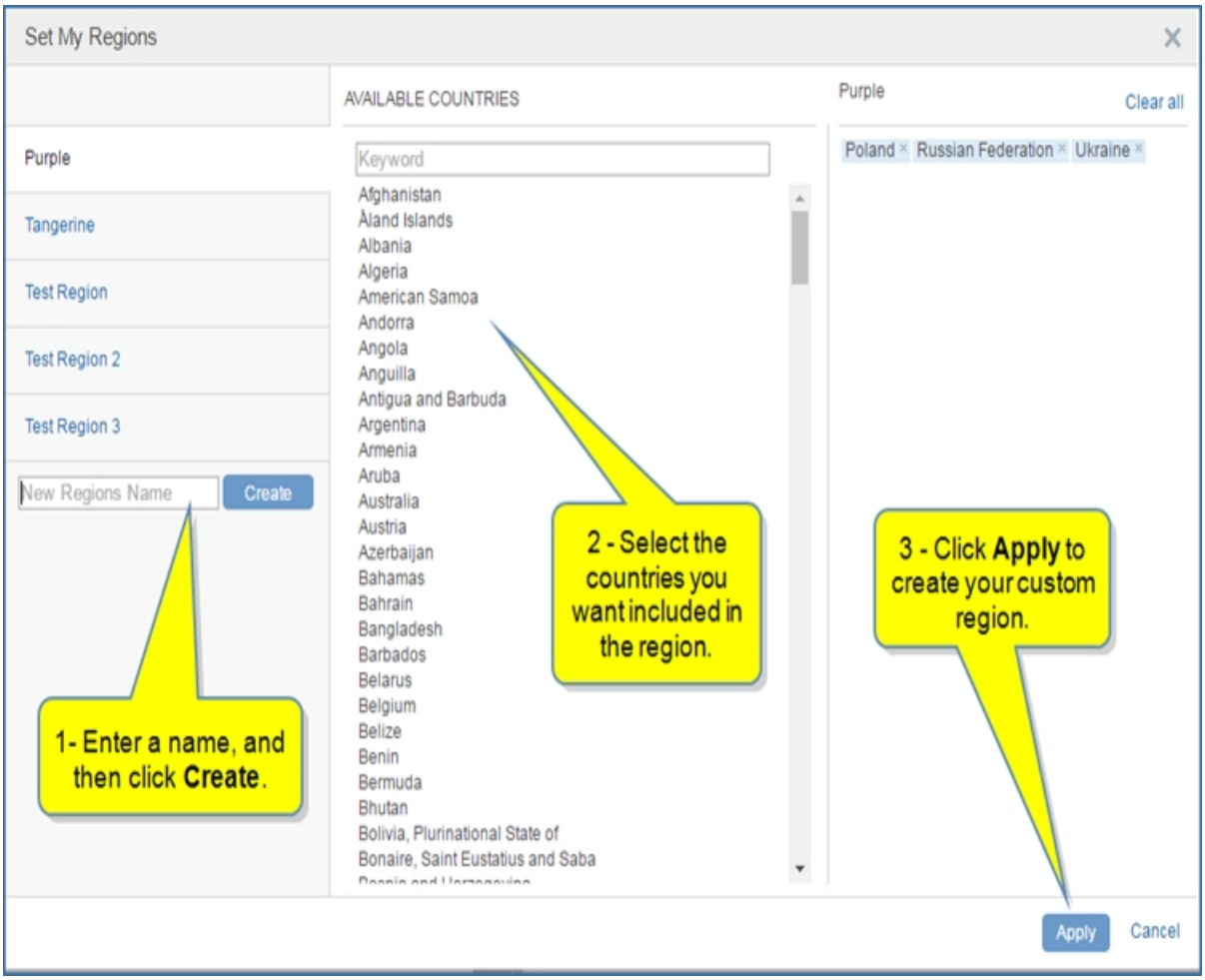
To create or edit your own region on Search

1. Select **My Regions** under Geography in the Refine Search Results panel.

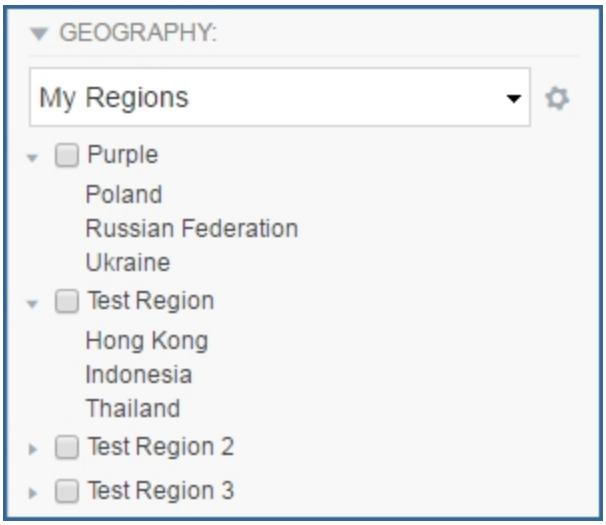


2. Click the gear icon to display the ***Set My Regions*** dialog.

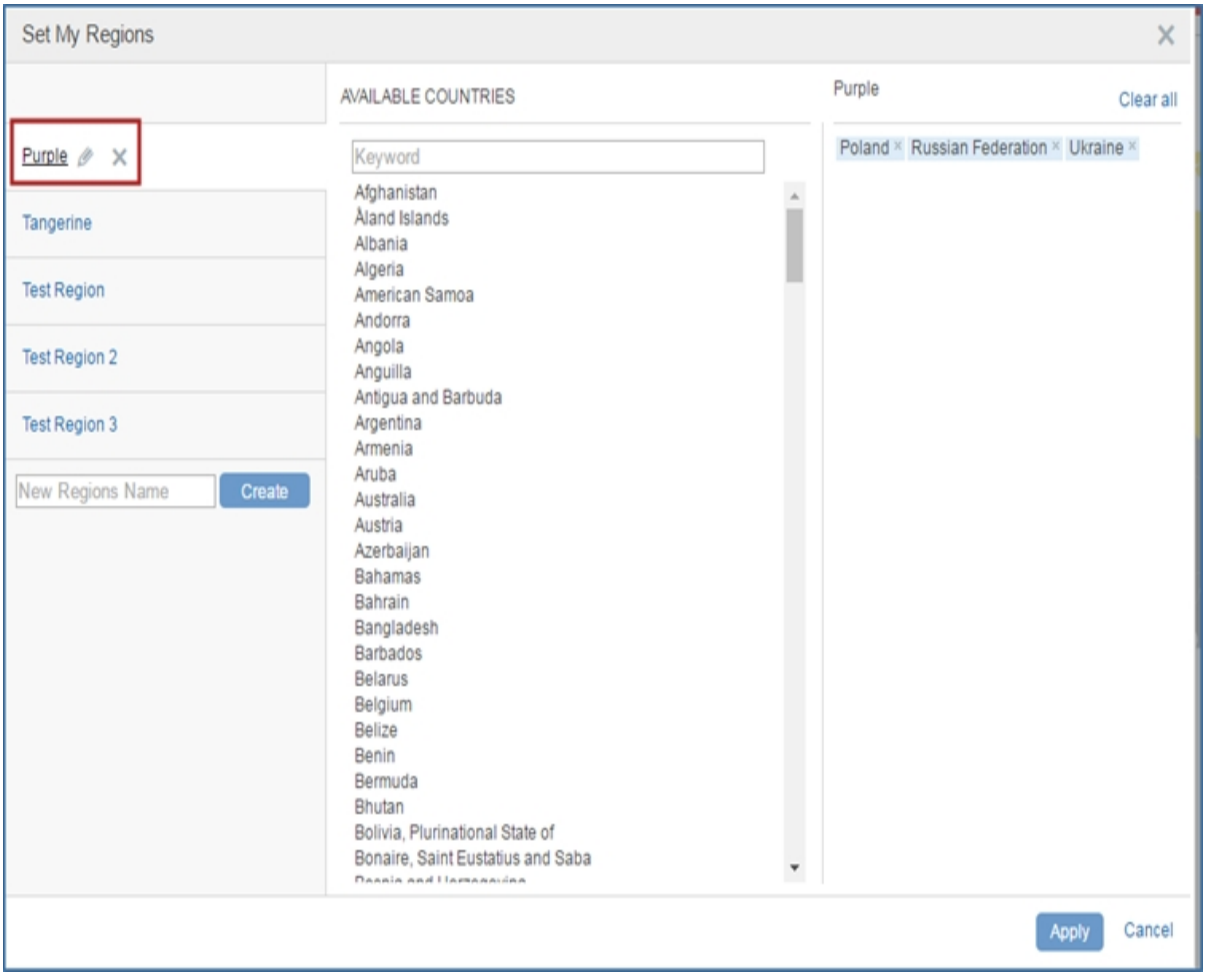
3. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected for the region. In this example, the custom region is "Test Region" and includes "Hong Kong," "Indonesia," "Thailand."



4. To Edit or Remove a custom region, click the gear icon , hover the name of a region, and select the **Edit** or **Remove** icons.



• • •

Home

Home Overview

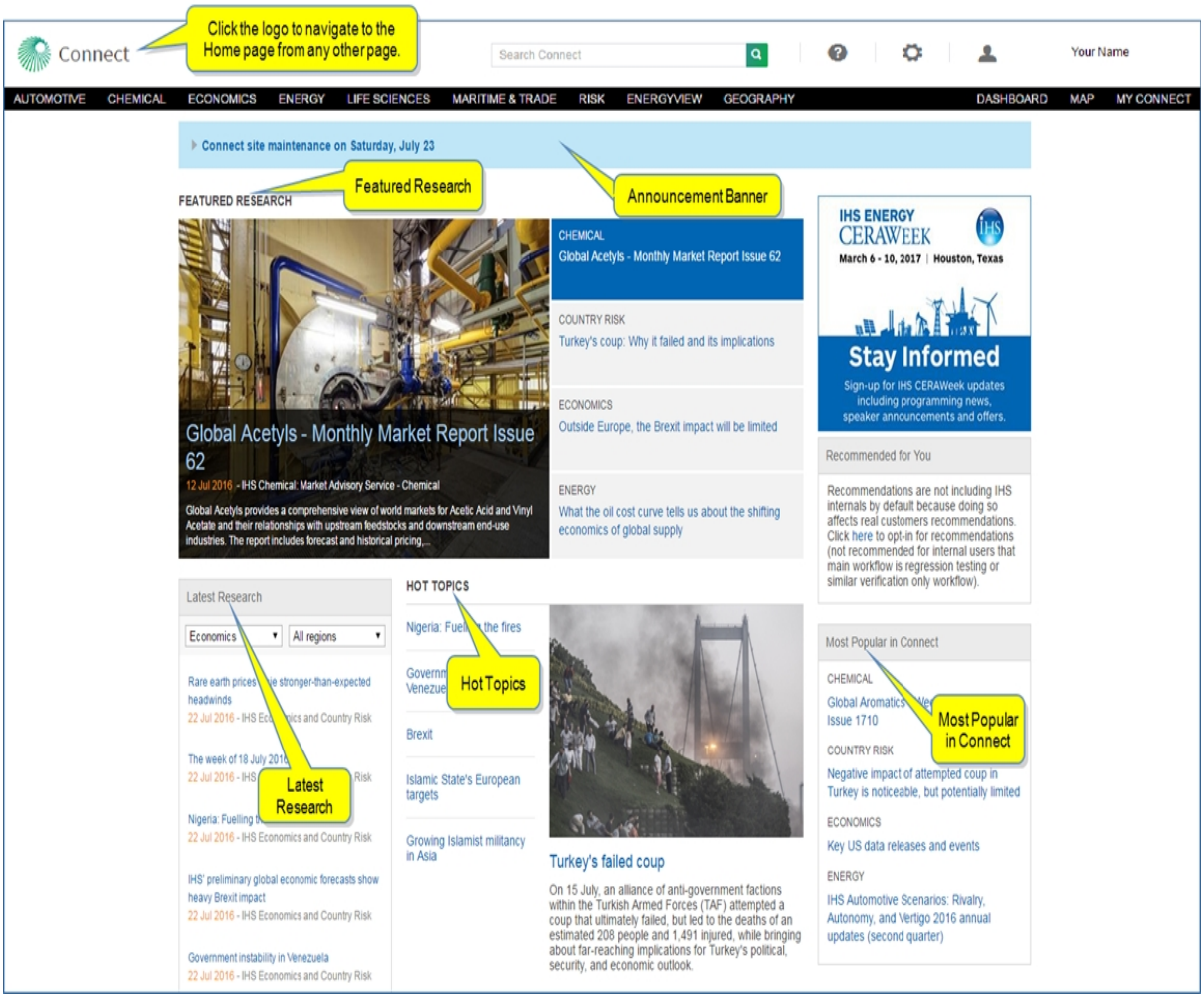
The Home page provides a pulse on global trends and is the starting point for your Connect experience. The content covers four IHS Markit domains: Chemical, Country Risk, Economics, and Energy. On the Home page, you can view the latest headlines and research available from IHS Markit, start your Connect navigation, and save articles to My Saved. On all pages, including Home, you can change your profile, set billing code, view the online user guide, and access training support, and Customer Care contact information using the drop-down menus for your name and Help.

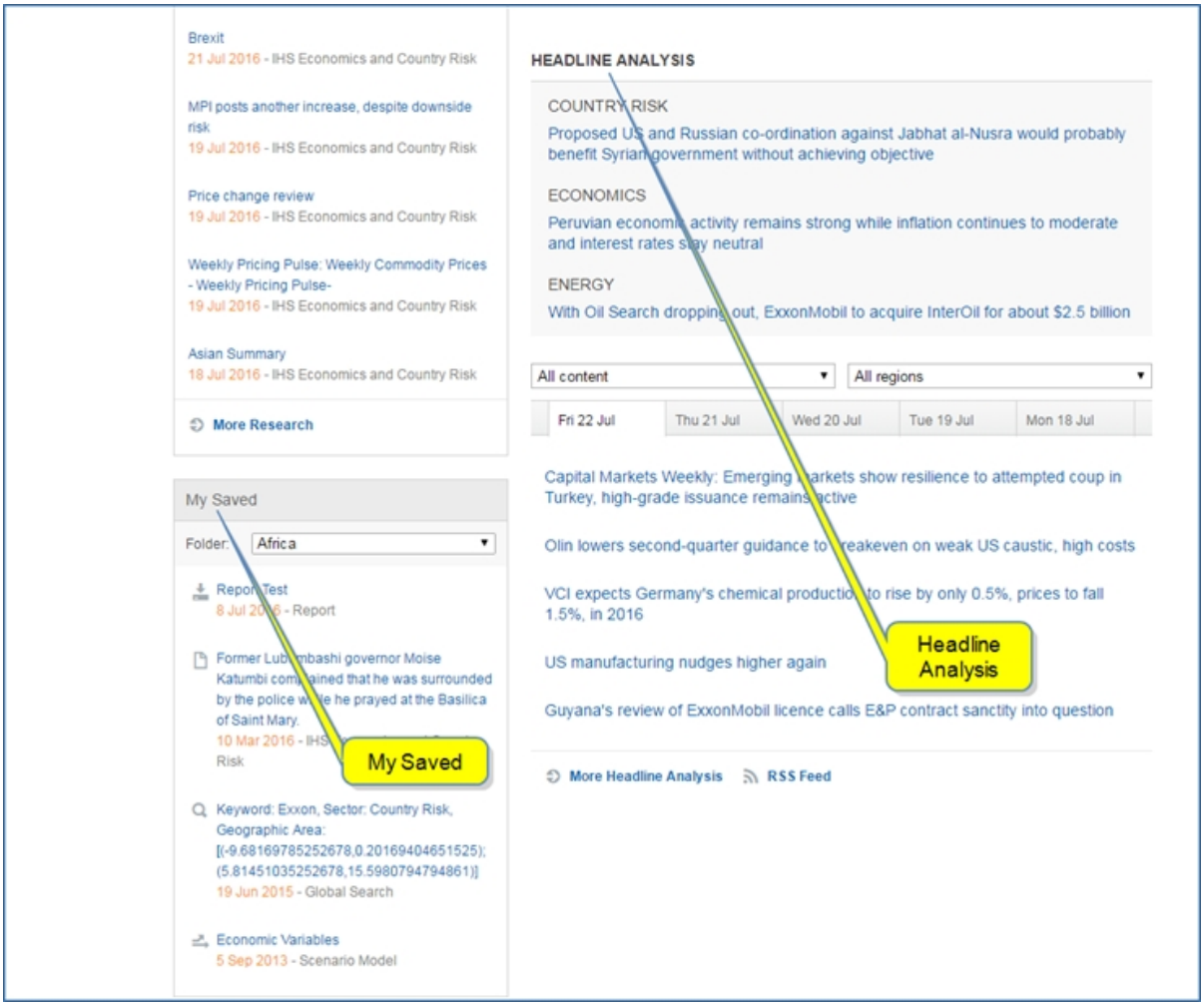
The Menu Bar displays the tabs for content areas on Home, Insight, Industry, Geography, and Company, as well as tools you can apply to research information—Map, Tools, and My Connect. Each of these tabs takes you to a distinctive and useful way to view and interact with IHS Markit information, analysis, and insight that includes research articles, data tables, charts, and forecasting tools.

Search Connect from the Home page, or any page, by entering criteria in the search field or clicking the hourglass figure. (See Searching in Connect.)

The Home page gives you quick access to latest Chemical, Country Risk, Economics, and Energy bulletins, information, and insight through the following segments:

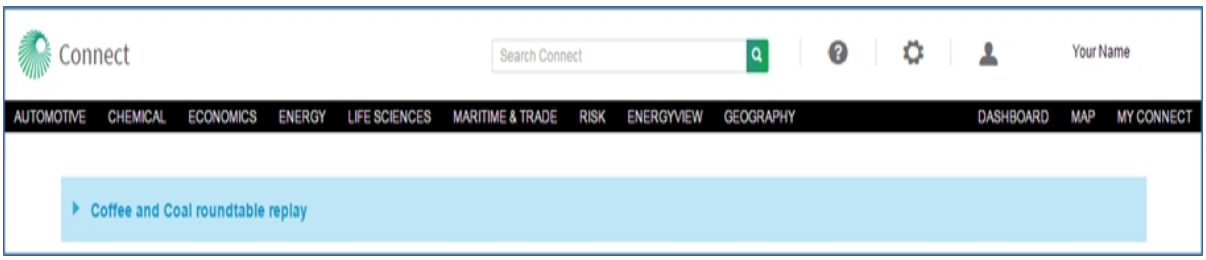
- The ***Announcement Banner*** at the top of the page informs you about new offerings from IHS Markit, such as new industry reports, collaborations, or ways of communicating an advancement.
- ***Featured Research*** covers the highlighted research within each domain—Chemical, Country Risk, Economics, and Energy.
- ***Most Popular in Connect*** highlights the key articles that other viewers on the platform are accessing.
- ***Latest Research*** features public special reports on Chemical, Country Risk, Economics, and Energy research.
- ***Hot Topics*** links to the stand out topics in the news.
- ***Headline Analysis*** reviews the last five days of coverage in the Chemical, Country Risk, Economics, and Energy domains.
- ***My Saved*** displays the recent articles you chose to save and allows you to save articles into folders you've created on My Connect.


Click the logo to navigate to the Home page from any other page.
Connect
Search Connect
Your Name
AUTOMOTIVE
CHEMICAL
ECONOMICS
ENERGY
LIFE SCIENCES
MARITIME & TRADE
RISK
ENERGYVIEW
GEOGRAPHY
DASHBOARD
MAP
MY CONNECT
Connect site maintenance on Saturday, July 23
FEATURED RESEARCH
Featured Research
Announcement Banner
Global Acetyls - Monthly Market Report Issue 62
12 Jul 2016 - IHS Chemical: Market Advisory Service - Chemical
Global Acetyls provides a comprehensive view of world markets for Acetic Acid and Vinyl Acetate and their relationships with upstream feedstocks and downstream end-use industries. The report includes forecast and historical pricing,...
CHEMICAL
Global Acetyls - Monthly Market Report Issue 62
COUNTRY RISK
Turkey's coup: Why it failed and its implications
ECONOMICS
Outside Europe, the Brexit impact will be limited
ENERGY
What the oil cost curve tells us about the shifting economics of global supply
IHS ENERGY CERAWEEK
March 6 - 10, 2017 | Houston, Texas
Stay Informed
Sign-up for IHS CERAWeek updates including programming news, speaker announcements and offers.
Recommended for You
Recommendations are not including IHS internals by default because doing so affects real customers recommendations. Click here to opt-in for recommendations (not recommended for internal users that main workflow is regression testing or similar verification only workflow).
Latest Research
Economics
All regions
Rare earth prices ... stronger-than-expected headwinds
22 Jul 2016 - IHS Economics and Country Risk
The week of 18 July 2016
22 Jul 2016 - IHS ... Risk
Nigeria: Fuelling ...
22 Jul 2016 - IHS Economics and Country Risk
IHS' preliminary global economic forecasts show heavy Brexit impact
22 Jul 2016 - IHS Economics and Country Risk
Government instability in Venezuela
22 Jul 2016 - IHS Economics and Country Risk
Latest Research
HOT TOPICS
Nigeria: Fuel... the fires
Governm... Venezue...
Hot Topics
Brexit
Islamic State's European targets
Growing Islamist militancy in Asia
Turkey's failed coup
On 15 July, an alliance of anti-government factions within the Turkish Armed Forces (TAF) attempted a coup that ultimately failed, but led to the deaths of an estimated 208 people and 1,491 injured, while bringing about far-reaching implications for Turkey's political, security, and economic outlook.
Most Popular in Connect
CHEMICAL
Global Aromatics ... Issue 1710
COUNTRY RISK
Negative impact of attempted coup in Turkey is noticeable, but potentially limited
ECONOMICS
Key US data releases and events
ENERGY
IHS Automotive Scenarios: Rivalry, Autonomy, and Vertigo 2016 annual updates (second quarter)
Most Popular in Connect

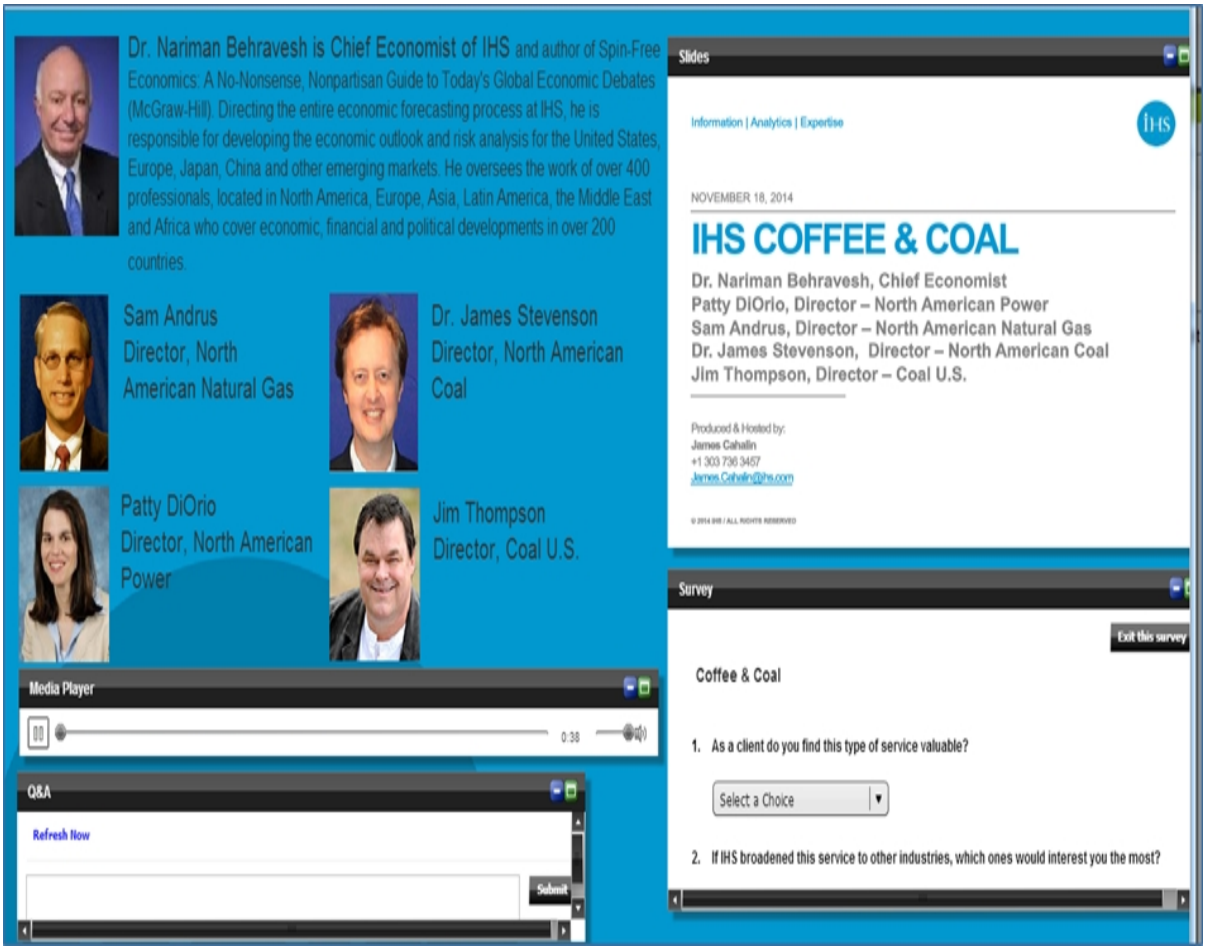


Announcement Banner

An Announcement from IHS Markit appears at the top of the Home page. The Announcement may be about new offerings from IHS Markit, new industry reports, collaborations, or ways of communicating an advancement.



When you click the Announcement, an information page and recorded session becomes available.

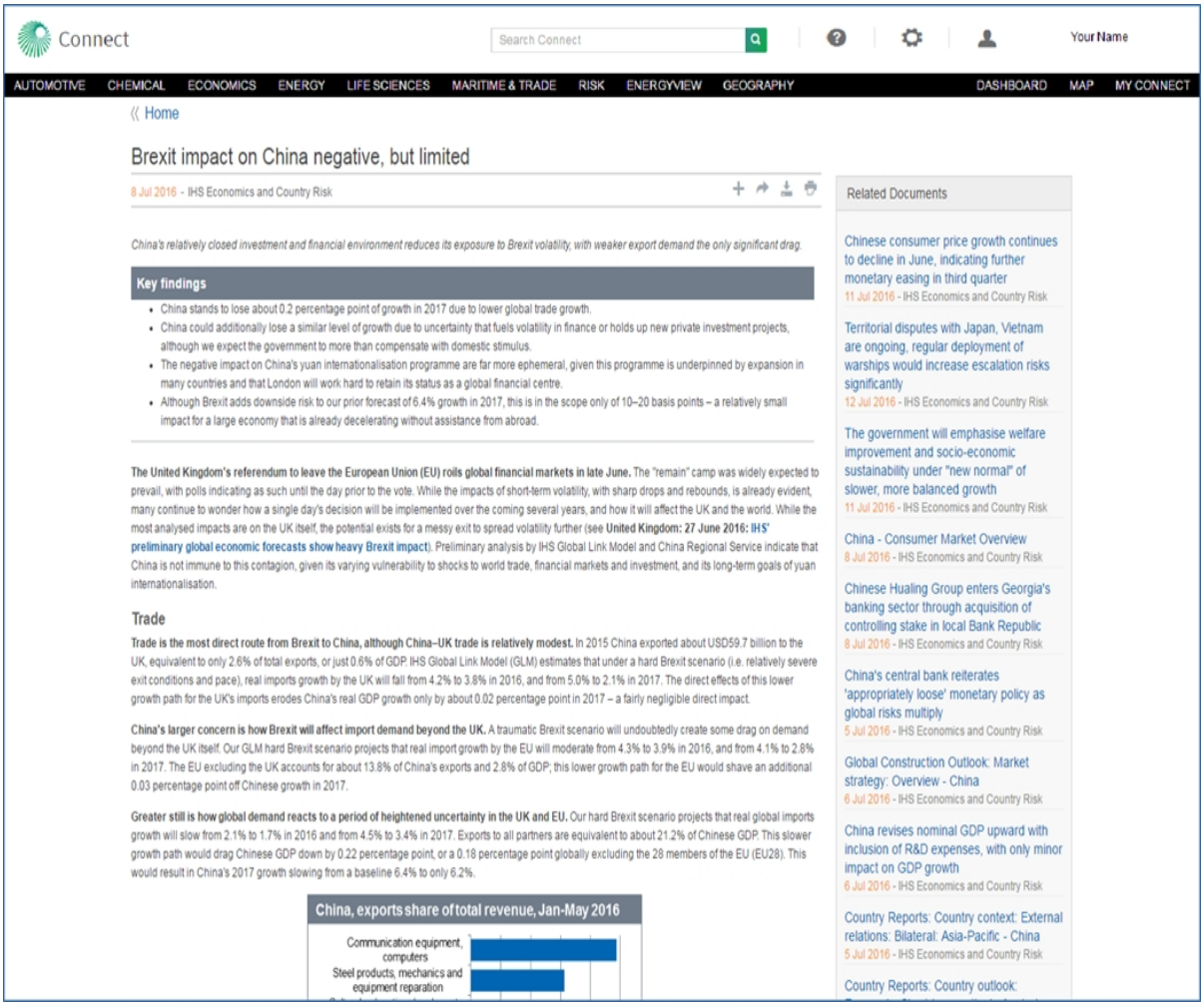


Featured Research

Experts from each IHS Markit domain on Connect—Automotive, Chemical, Country Risk, Economics, and Energy—have provided key articles for their areas in the Featured Research section of the Home page. Hover over a domain to display a picture and details about the article for a specific domain.

To save the article to My Connect, click the **Save to My Connect...** icon by hovering over the title and clicking the plus icon.

When you click the Economics bar or the title of the article in the image, the article is displayed. You can scroll through the document, save, share, export, or print it using the Article Icons. At the bottom of the article, you'll find a link to the author with his or her contact information. The right panel contains links to related documents.



The article icons allow you to do the following:

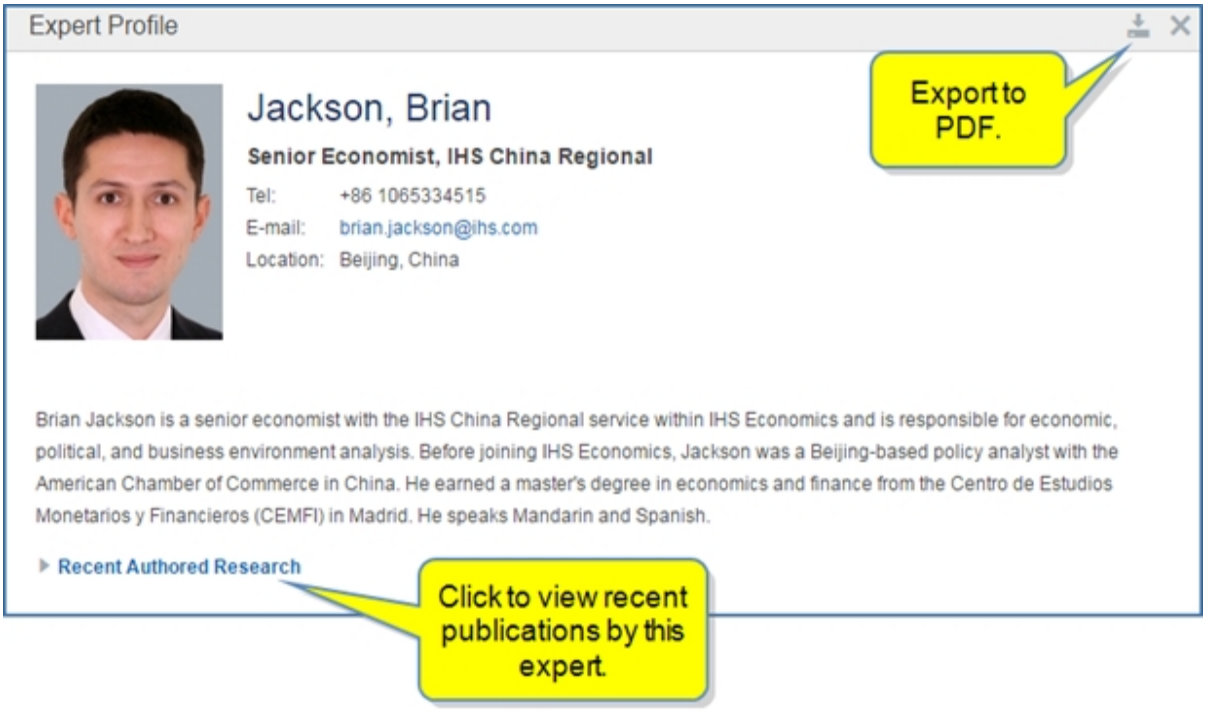
Add the article to a folder on My Connect.

Share the article with another person through email.

Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

Print the article.

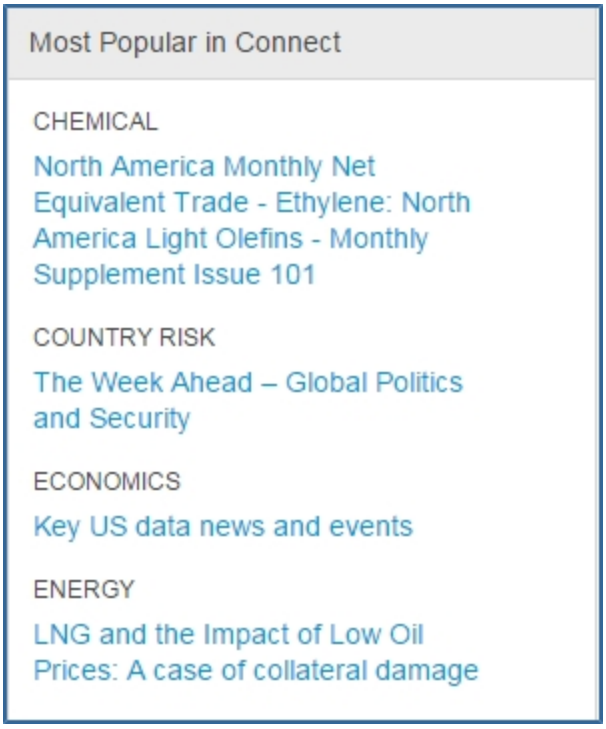
When you click the link for the author's name at the bottom of the article, contact information is displayed.



You can also click the **IHS Expert Directory** link to access the author directory.

Most Popular in Connect

The articles that viewers visit the most in Connect are featured in the Most Popular in Connect section by domain: Chemical, Country Risk, Economics, and Energy.



Hot Topics

The Hot Topics cover news that grabs the headlines.

Latest Research

Latest research contains special reports from Energy services, Economic & Country Risk, and Chemical domains and can be filtered by region and domain. When you filter by region, you view special reports from All regions, Africa, Americas, Asia, Europe, or Oceania. When you filter by domain, you can view all content, Energy content, Economics, Country Risk, or Chemical content. Click the blue title of an article to open it. The bottom link takes you to **More Research** and opens the Search page.

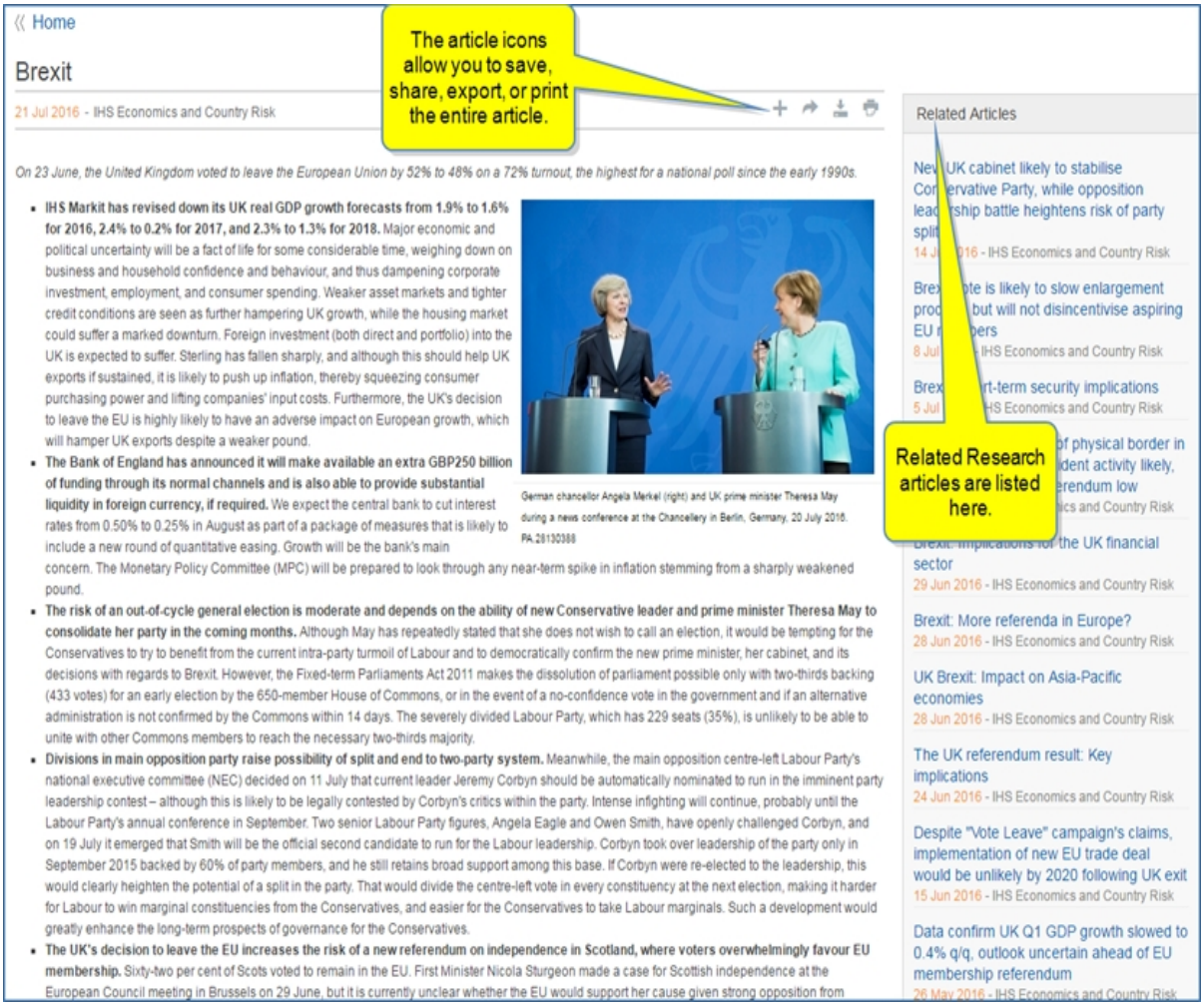
When you hover your mouse over the title of an article, two icons appear to the right. The first icon opens an Editor's Abstract about the article, and the second icon saves the article to the My Connect page. Because the list of Latest Research is dynamic and changes as newer articles and content replace older articles and content, you may want to preserve particular articles and save them to My Connect.

To learn more about saving articles and organizing them into folders, see .

Note: To review information about Subscription, see General Overview.

When you click the title link for an article, Connect opens and displays the article. Latest Research provides the most recently published Latest Research Articles. Related Documents follows with additional information. Any attachments that come with an article are listed.

The article titles and Attachments are blue and linked when you hover the mouse over the title. Clicking the title opens the documents.



The article icons allow you to do the following:

Add the article to a folder on My Connect.

Share the article with another person through email.

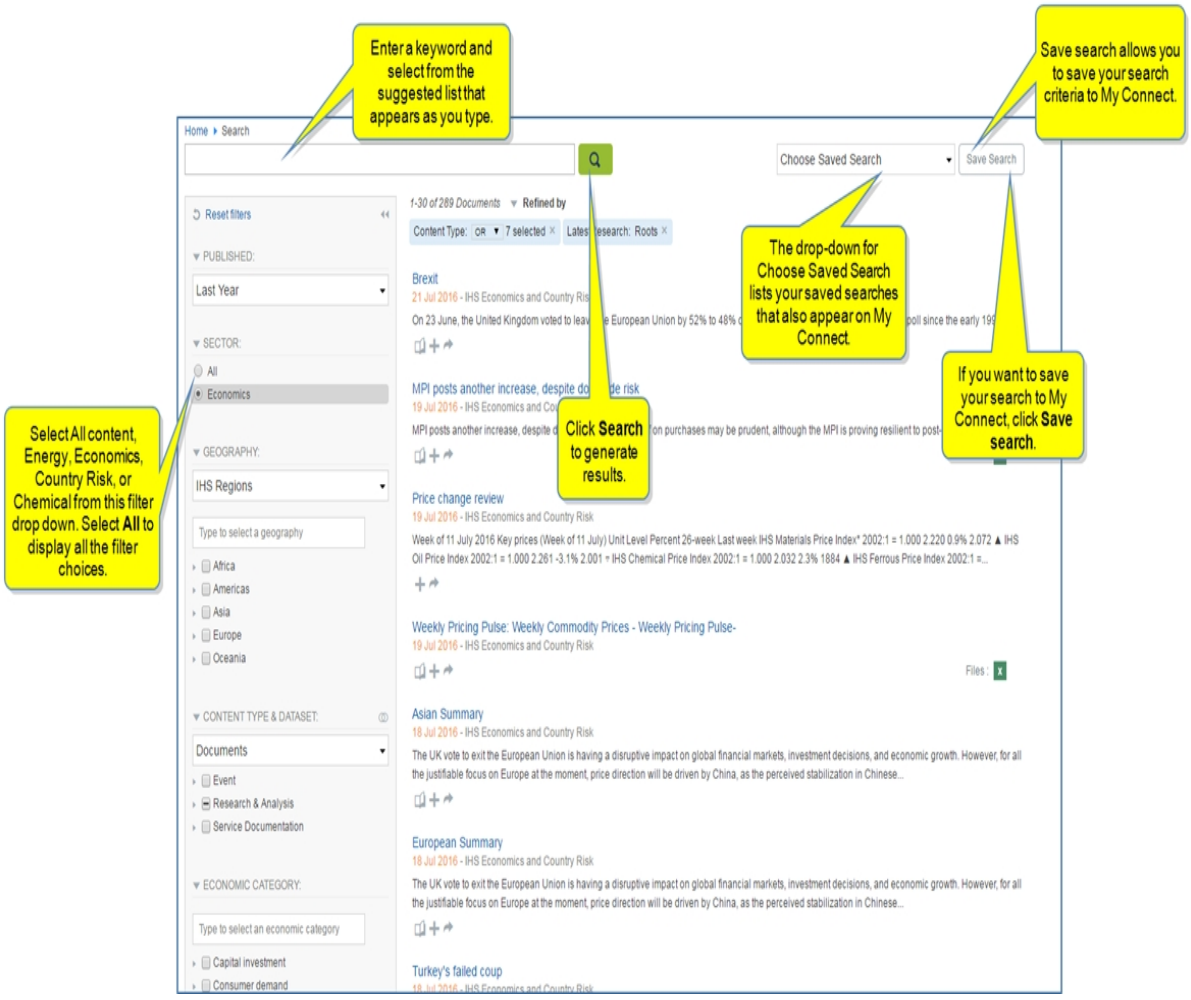
Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

Print the article.

You can also return to the Home Page by clicking the « Home link.

More Research

Click the **More Research** link to view a list of additional articles on the Search page. This page gives you information about the results and lists filters you can apply to narrow search results as you dig deeper into the results set.

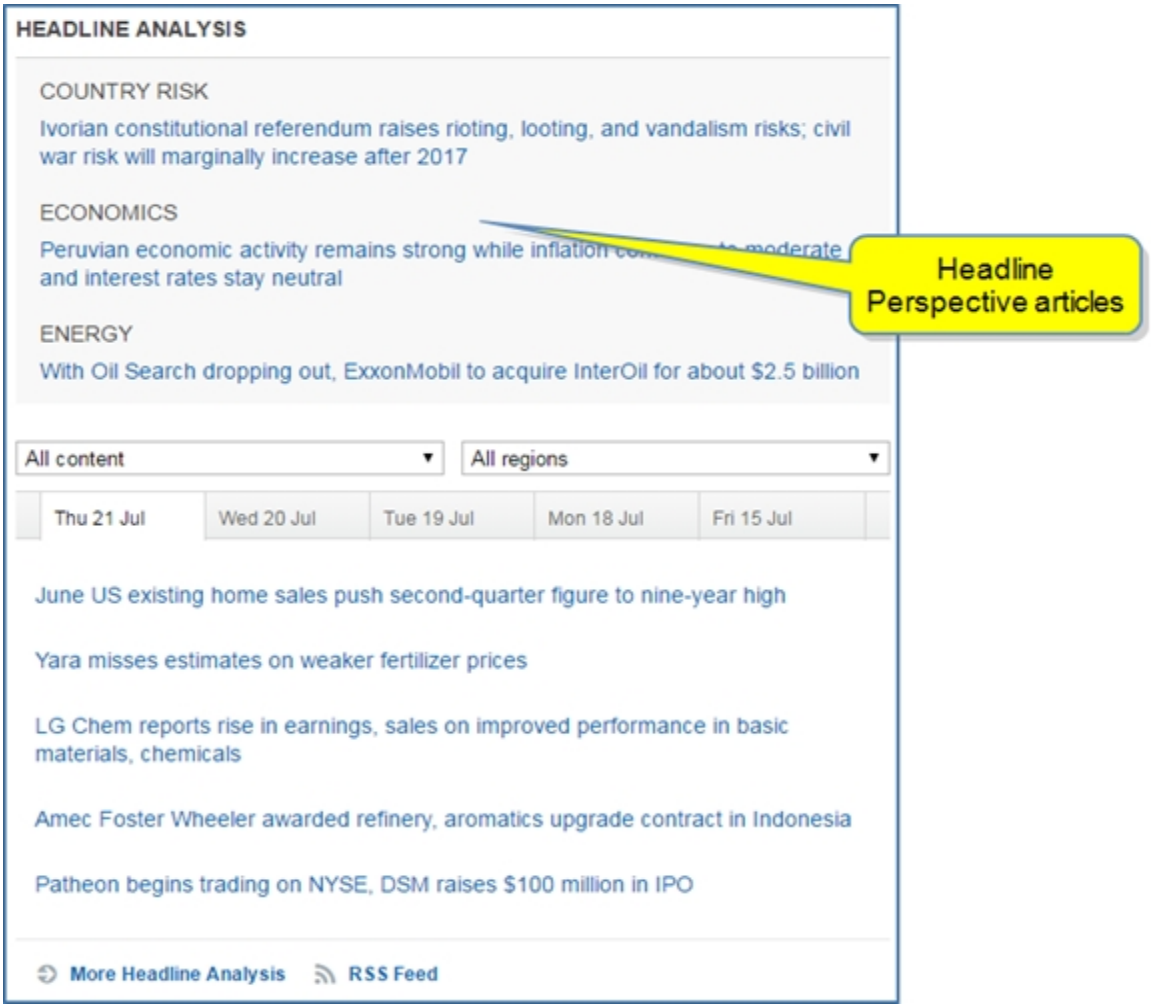


The left pane provides filters to refine your search by Published, Sector, Geography, Content Type & Dataset, Economic Category, Source, Document Format, and Report Author. The number in parenthesis indicates the number of articles available with a particular filter. Each time you apply a filter to the search results, the remaining applicable filters are listed in the left pane.

Two or three icons appear below the article and abstract. The first one opens an Editor's Abstract, if available, the second one saves the article to My Connect, and the third allows you to share the article with a colleague. Attachments are indicated with document type icons at the right of the article.

Headline Analysis

Headline Analysis contains the most current Headline Analysis, including articles highlighted as Headline Perspective. The Headline Perspective articles cover the four leading articles for the day across each domain: Chemical, Country Risk, Economics, and Energy. (Chemical article is not available for the selected day in this example.)



Below the Headline Perspective articles, the five most recent Headline Analysis articles can be filtered by content and region. When filtering by content, you can view All Content, Energy, Economics, Country Risk, and Chemical. When filtering by a region, you can view Headline Analysis from All regions, Africa, Americas, Asia, Europe, or Oceania.

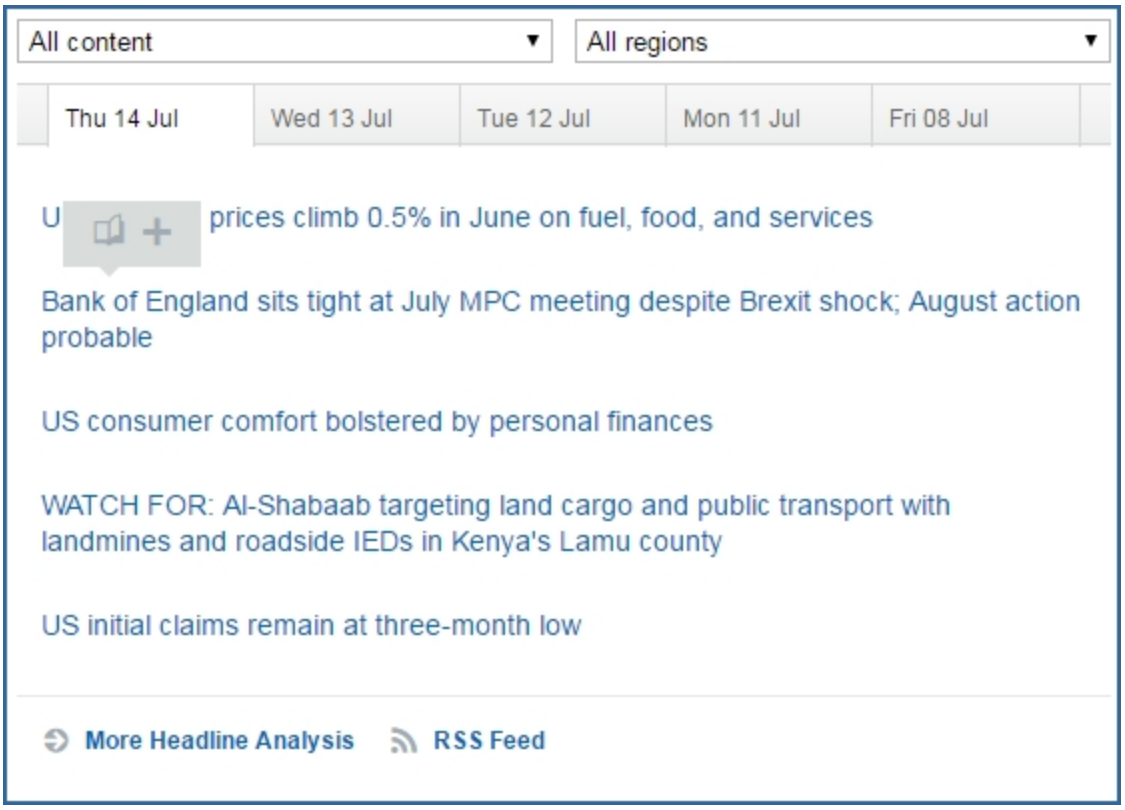
The bottom links take you to **More Headline Analysis** and **RSS Feed**. You can then filter Headline Analysis using multiple parameters to dig deeper into the results set.

When you hover the title of an article, two icons are displayed. The first icon opens an Editor's Abstract about the article, and the second icon saves the article to the My Connect page. Because the list of Headline Analysis articles and content are dynamic and change as newer content replaces older content, you may want to preserve particular articles by saving them to My Connect.

To learn more about saving articles and organizing them into folders, see .

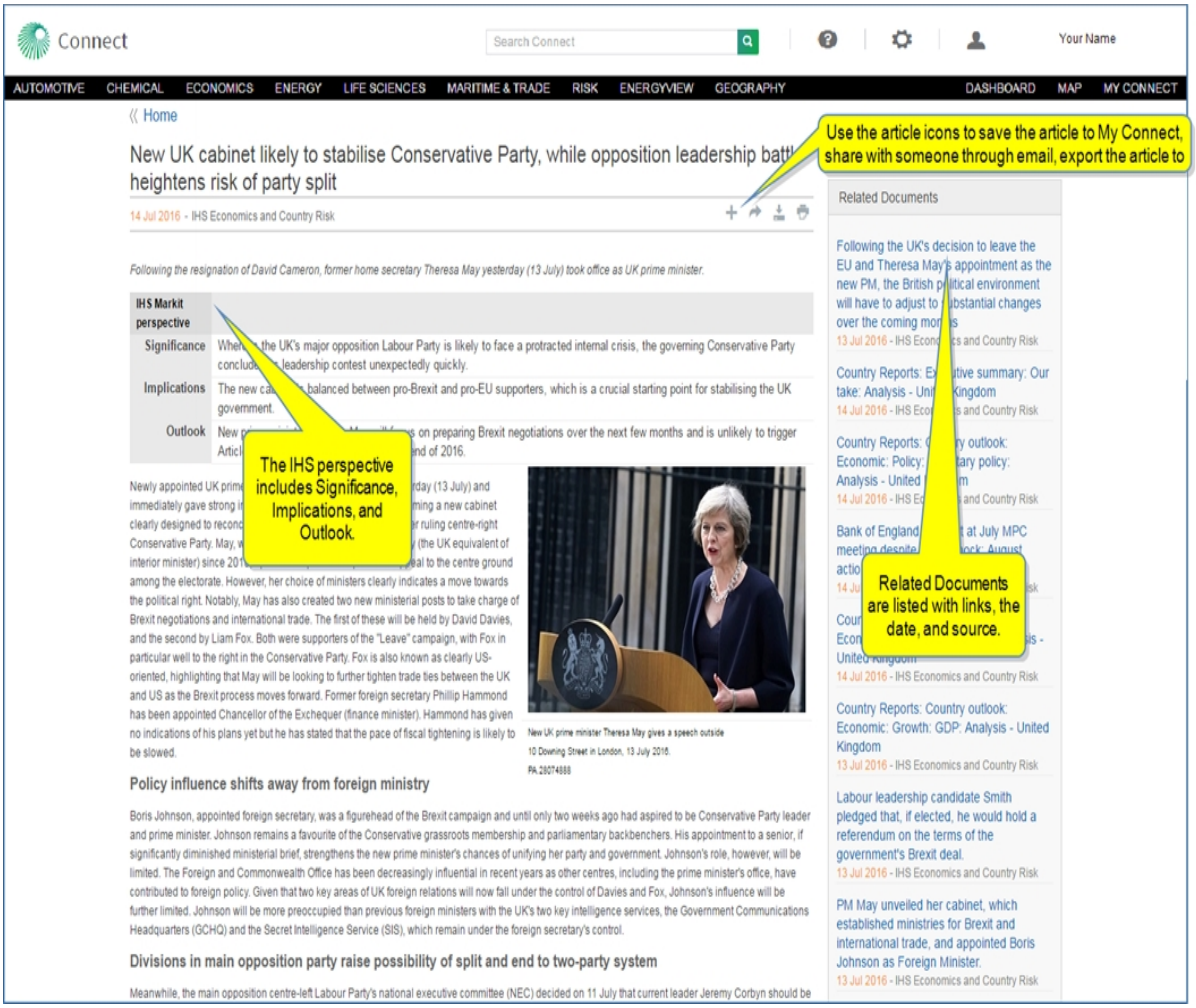
To review information about Subscription preferences, see General Overview.

Headline Analysis displays the filter fields and tabs for the last five days. Hover a title to display the **Book** and **Save to My Connect** icons. Clicking the **Book** icon opens an **Editor's Abstract**. Clicking the **Save to My Connect** icon allows you to save the article to My Connect.



Article View

Click the title of an article to open it. The article titles are blue and linked when you move the mouse over the title.



The article icons allow you to do the following:

- Add the article to a folder on My Connect.
- Share the article with another person through email.
- Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.
- Print the article.

You can also return to the Home Page by clicking the « Home link.

More Headline Analysis

We have enhanced the Headline Analysis experience. When you click the **More Headline Analysis** link, the features will be available in a new layout. Check back soon for updated Help information on this new and

enhanced page.

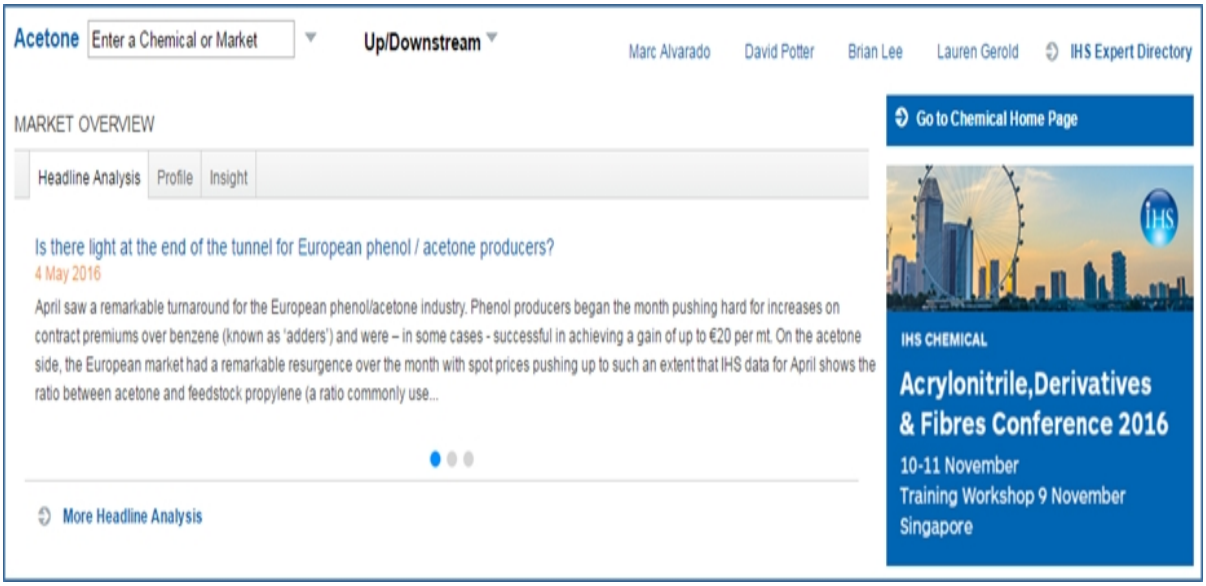
When you click **More Headline Analysis**, headlines are listed by date into regions and the world. From the drop down next to Headline Analysis, you can filter articles by region and country. The information for World is the day view on the calendar. Note that you can adjust the date using the calendar icon. If you select a geography that does not have data for the current day view, Connect takes the calendar to the most recent date when data is available. In some cases, you may receive a message telling you there is no current data available.

You can view an Overview and other subtopics pertinent to Chemical, Country Risk, Economics, or Energy. In addition, you can review Recent Research, and RSS Feed.

You can also use the Headline Analysis icons to Unselect all, Select all, Export, or read additional information with the Information icon.

When you select the Information icon in the upper right of the page, the following instruction tells you how to select articles you want to export: "Use the check boxes to select the Headline Analysis you want to export.

On the Chemical page, Headline Analysis is filtered for the chemical selected. Three primary articles rotate through the display. Click the title of an article to open the full content. Select More Headline Analysis to view chemicals by region and the world on the maximized page.

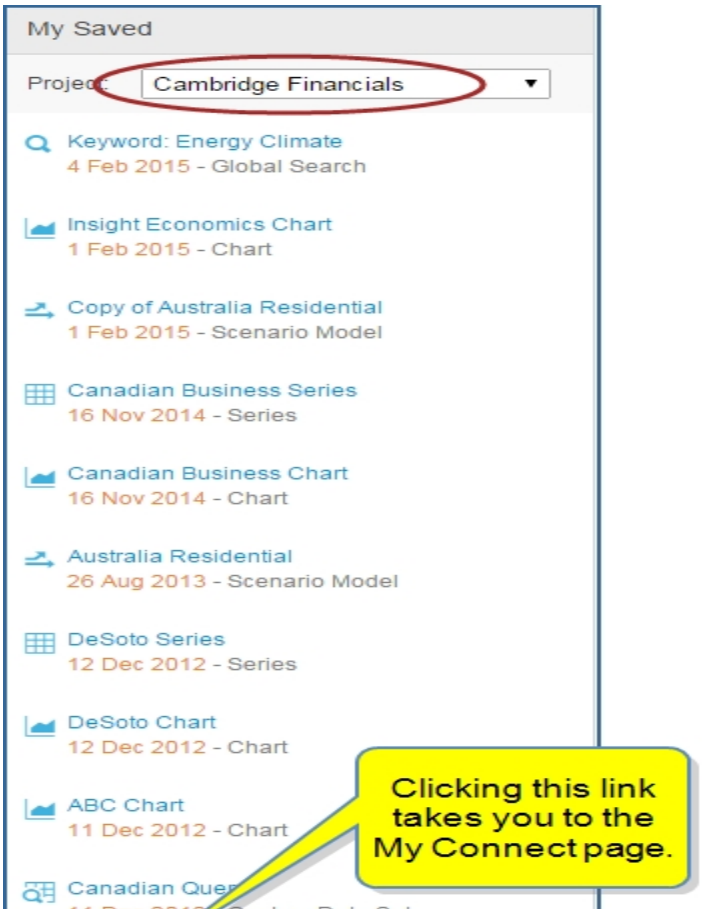


My Saved

The My Saved section features the most recent articles you have saved to My Connect. The Project drop-down field lists all the folders you have saved on My Connect, so you can display any folder of articles on the Home page for easy reference. The More Cambridge Financials in the following example opens the My Connect page.

The default folder is the Read Later folder, but you can display any folder from My Connect.

My Saved
Project: Read Later
Outside North America E&Ps
5 Feb 2015 - Company Coverage
Tunisian focused Candax Energy Inc. announces review of strategic and financial alternatives
28 Jan 2015 - IHS Energy: Herold
Global Project: Mozambique Area 1 LNG
29 Dec 2014 - IHS Energy: Herold
Repsol agrees to acquire Talisman Energy for US$8.00 per share in all-cash, in a US$15.5 billion transaction including debt
16 Dec 2014 - IHS Energy: Herold
My Dashboard
17 Nov 2014 - Saved Dashboard
Global Project: West Qurna Phase 2
19 Aug 2014 - IHS Energy: Herold
EnergyPriceUpdate2014
16 May 2014 - IHS Economics and Country Risk
Company Play Analysis: The Utica Shale wet gas window evolving into an established play
7 Feb 2014 - IHS Energy: Herold
Toxic water leaks at Fukushima nuclear plant weigh down on Japan's political, economic, and energy landscapes
16 Dec 2013 - IHS Economics and Co
Risk
Wolfcamp Midland Presentation
27 Nov 2013 - IHS Energy: Herold
More Read Later
Clicking this link takes you to the My Connect page.


My Saved
Project: Cambridge Financials
Keyword: Energy Climate
4 Feb 2015 - Global Search
Insight Economics Chart
1 Feb 2015 - Chart
Copy of Australia Residential
1 Feb 2015 - Scenario Model
Canadian Business Series
16 Nov 2014 - Series
Canadian Business Chart
16 Nov 2014 - Chart
Australia Residential
26 Aug 2013 - Scenario Model
DeSoto Series
12 Dec 2012 - Series
DeSoto Chart
12 Dec 2012 - Chart
ABC Chart
11 Dec 2012 - Chart
Canadian Quer
Clicking this link takes you to the My Connect page.

Search

Searching in Connect

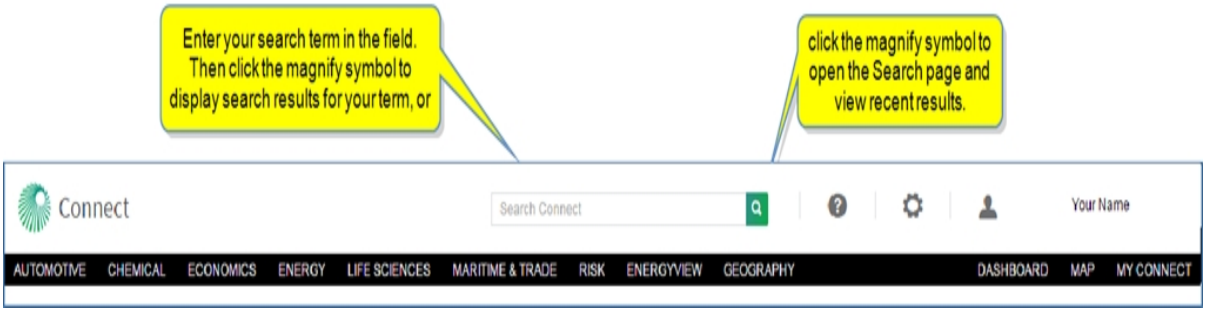
In this topic:

Click a heading link to move down the page to the subtopic. Return to the top of the page by pressing and holding **Ctrl** and then **Home**.

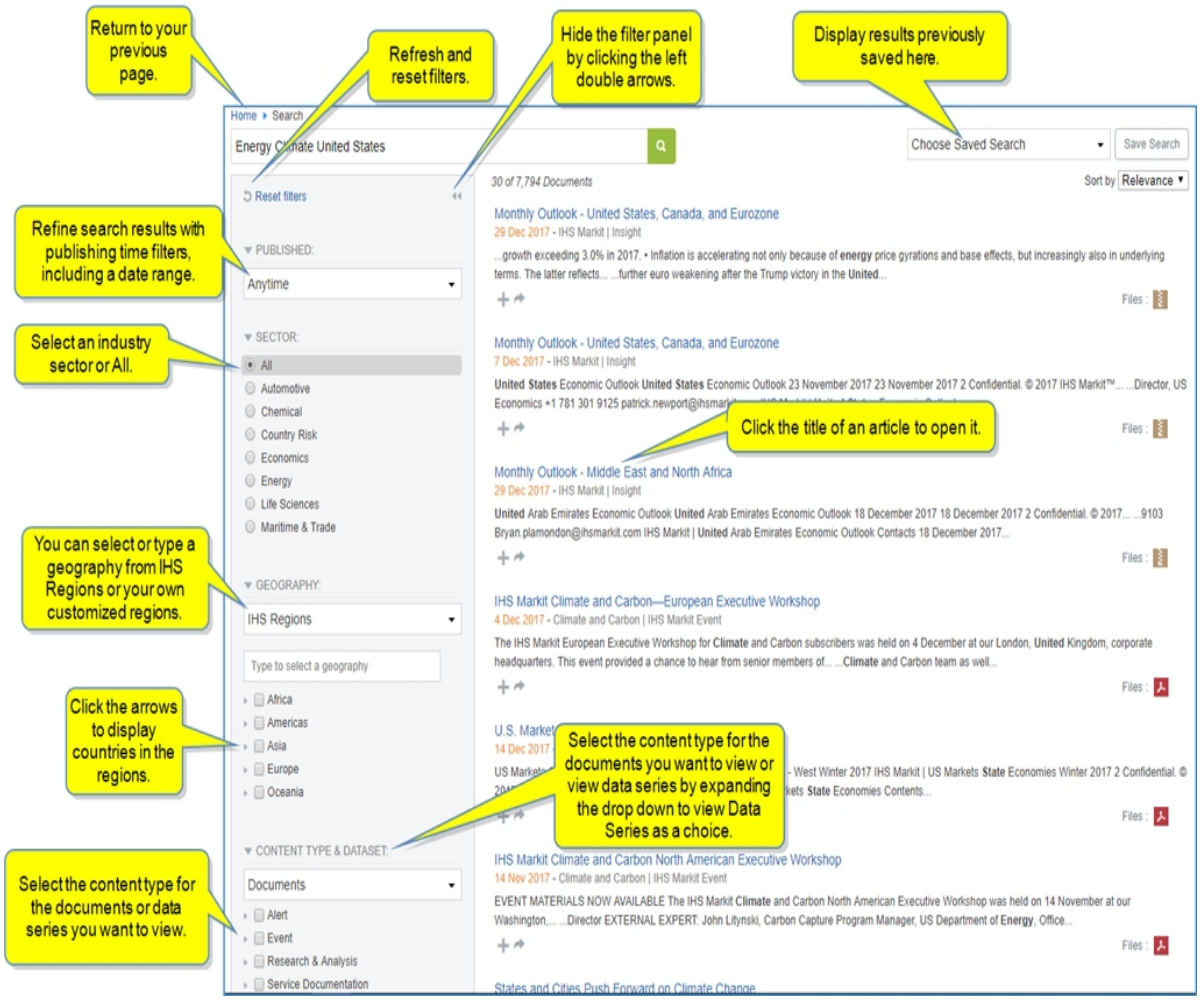
Ways to display search results
Filter features on the Search page
Starting a search with a keyword
Saving a search in My Connect
Viewing and saving search results
Page navigation

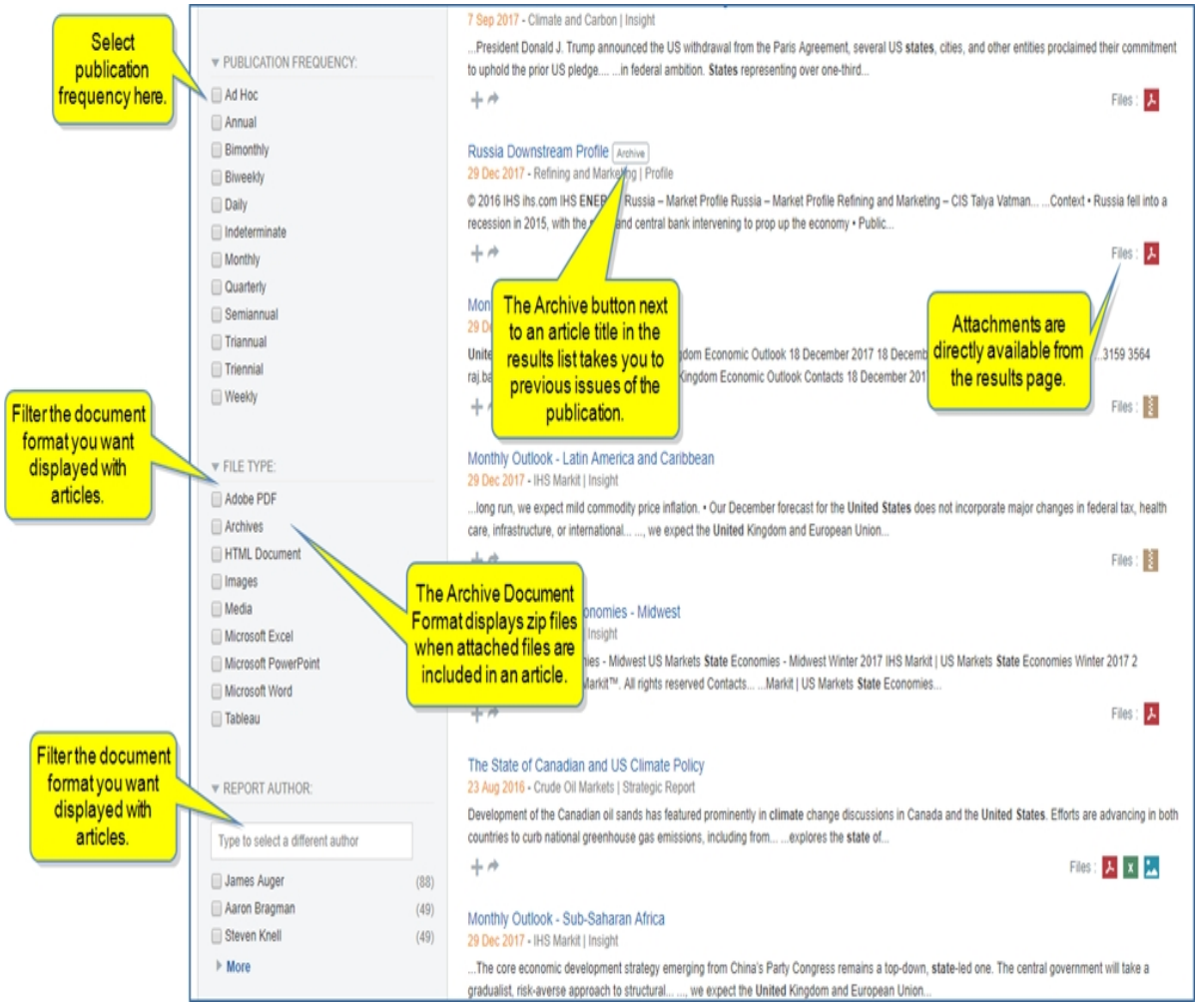
Connect uses an advanced keyword search that very quickly finds a keyword or phrase in any content available in Connect and returns the associated documents and /or data series for your review.

The Search Connect field and magnifying symbol appear on every page.



The following search results populated from a keyword search for Energy Climate United States.


Return to your previous page.
Refresh and reset filters.
Hide the filter panel by clicking the left double arrows.
Display results previously saved here.
Refine search results with publishing time filters, including a date range.
Select an industry sector or All.
Click the title of an article to open it.
You can select or type a geography from IHS Regions or your own customized regions.
Click the arrows to display countries in the regions.
Select the content type for the documents you want to view or view data series by expanding the drop down to view Data Series as a choice.
Select the content type for the documents or data series you want to view.
Home ▸ Search
Energy Climate United States
Choose Saved Search
Save Search
Reset filters
30 of 7,794 Documents
Sort by Relevance
PUBLISHED:
Anytime
SECTOR:
All
Automotive
Chemical
Country Risk
Economics
Energy
Life Sciences
Maritime & Trade
GEOGRAPHY:
IHS Regions
Type to select a geography
Africa
Americas
Asia
Europe
Oceania
CONTENT TYPE & DATASET:
Documents
Alert
Event
Research & Analysis
Service Documentation
Monthly Outlook - United States, Canada, and Eurozone
29 Dec 2017 - IHS Markit | Insight
Monthly Outlook - United States, Canada, and Eurozone
7 Dec 2017 - IHS Markit | Insight
Monthly Outlook - Middle East and North Africa
29 Dec 2017 - IHS Markit | Insight
IHS Markit Climate and Carbon—European Executive Workshop
4 Dec 2017 - Climate and Carbon | IHS Markit Event
IHS Markit Climate and Carbon North American Executive Workshop
14 Nov 2017 - Climate and Carbon | IHS Markit Event
States and Cities Push Forward on Climate Change
Files :



Ways to display search results

The following sections describe the features of Search and the ways you can display search results:

- by entering any keyword or phrase of your choosing.
- by choosing Saved Search. Click the **Choose Saved Search** drop-down arrow.
- by using Refine Search Results in the left pane. This consists of a number of available filters which will vary based on Sector selection. The Sector default is All. The Published default is 6 months. Other filters include Geography, Content Type & Dataset, Document Format, and Report Author. In addition to this, the Chemical sector includes Source and Product. Country Risk adds Geographic Area, Risk and Source. Economics brings Source and Industry, and Energy provides criteria for Scope, Oil and Gas Value Chain, and Organization. When you click a given criteria within a filter (for example, a country of your choosing), the Search results refresh to reflect your selection.

Filter features on the Search page

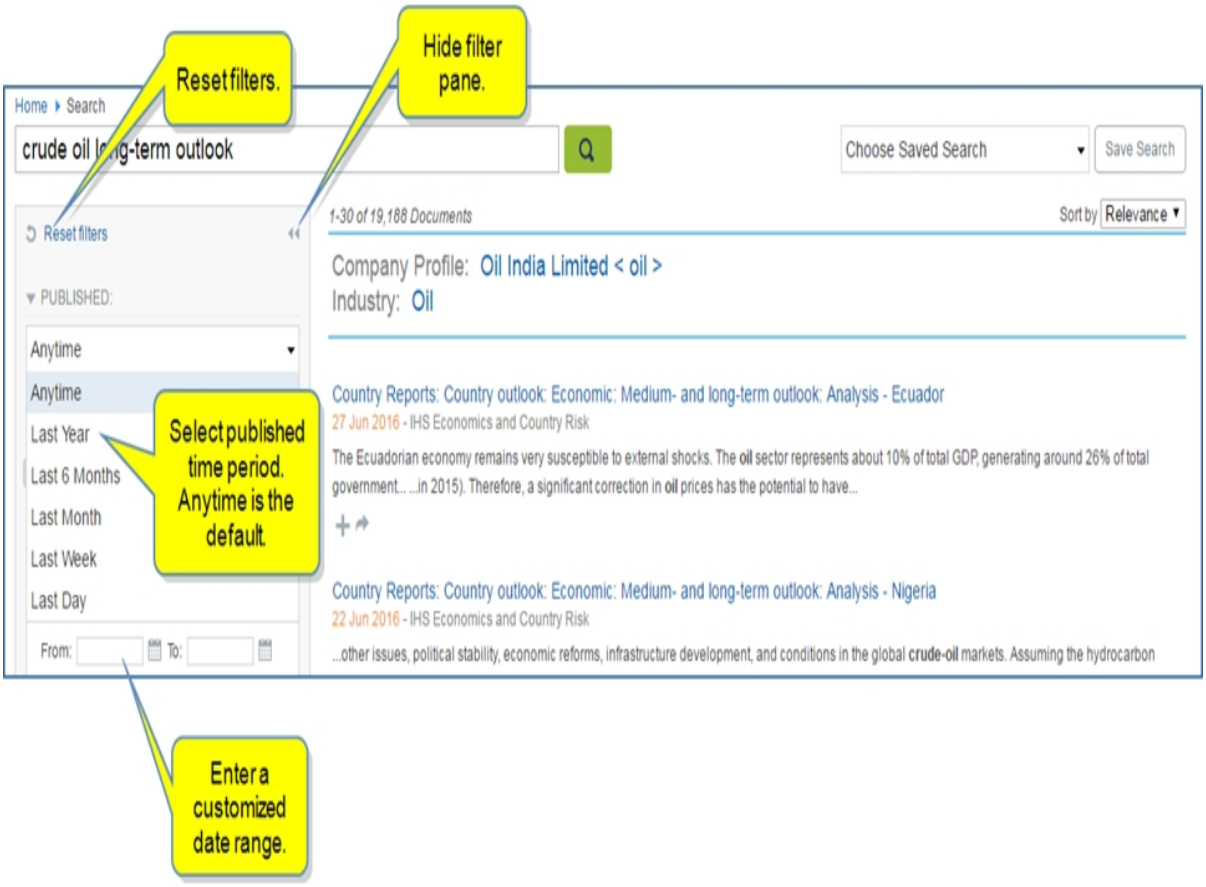
When Connect returns search result for your criteria, the left panel presents filter options you can apply to the search results. Available filters are described below.

Note: Filters vary depending on the Sector you choose and the information available.

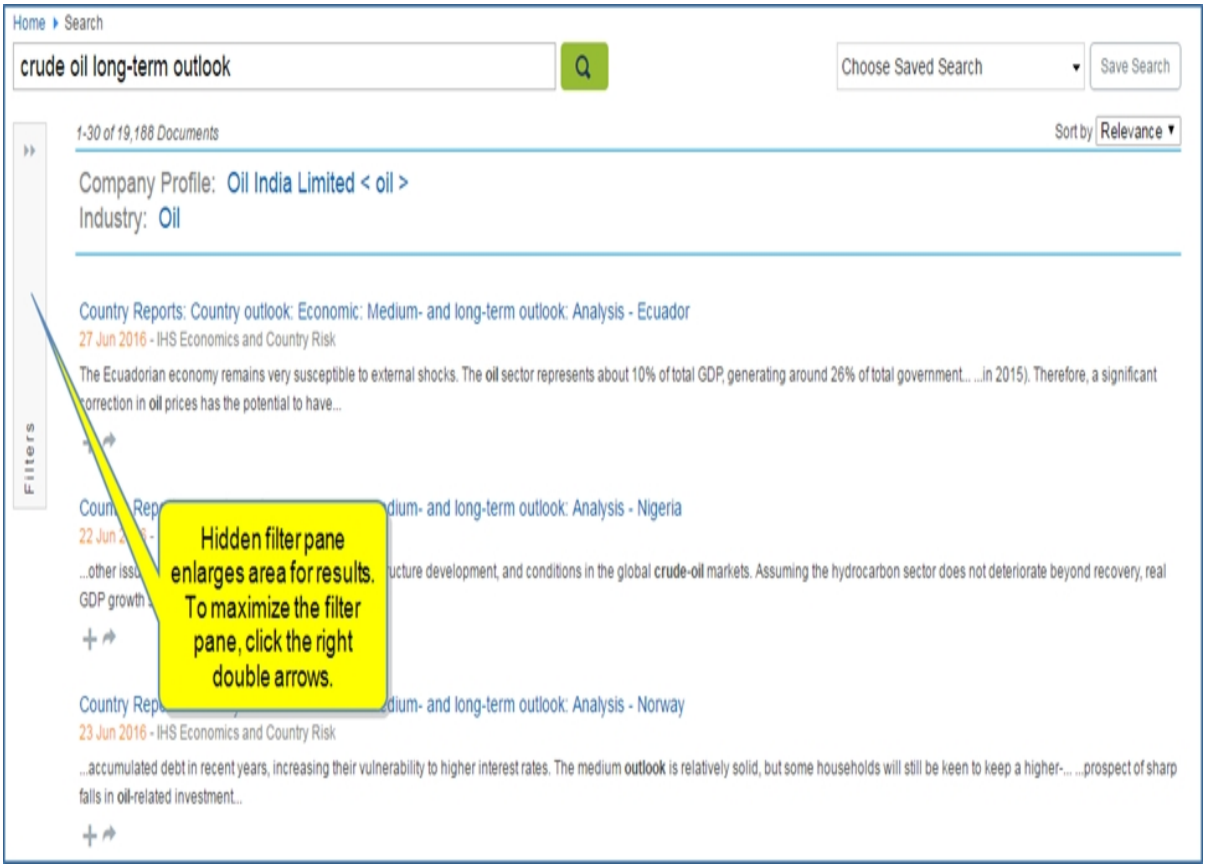
Published filter for Refine Search Results

The default results for filtering published information is Anytime. However, you can use the drop-down menu to select Last Year, Last 6 Months, Last Month, Last Week, or Last Day, as well. In addition, you can enter a date range.

Reset Filters refreshes the filter pane to the default settings.



Click the double left arrows to minimize the filter pane to provide more space for the search results.



Sector

The default for Sector is **All**. To navigate the choices, toggle back to All for the full list, and then select either Chemical, Country Risk, Economics, or Energy.

When you select a specific sector, other filter selections may be available. For example, when you select Chemical, a list of Sources is available for further filtering of chemical. When you select Country Risk, the Select Region Via Map feature becomes available. Risk choices are also displayed, for example legal, polit-

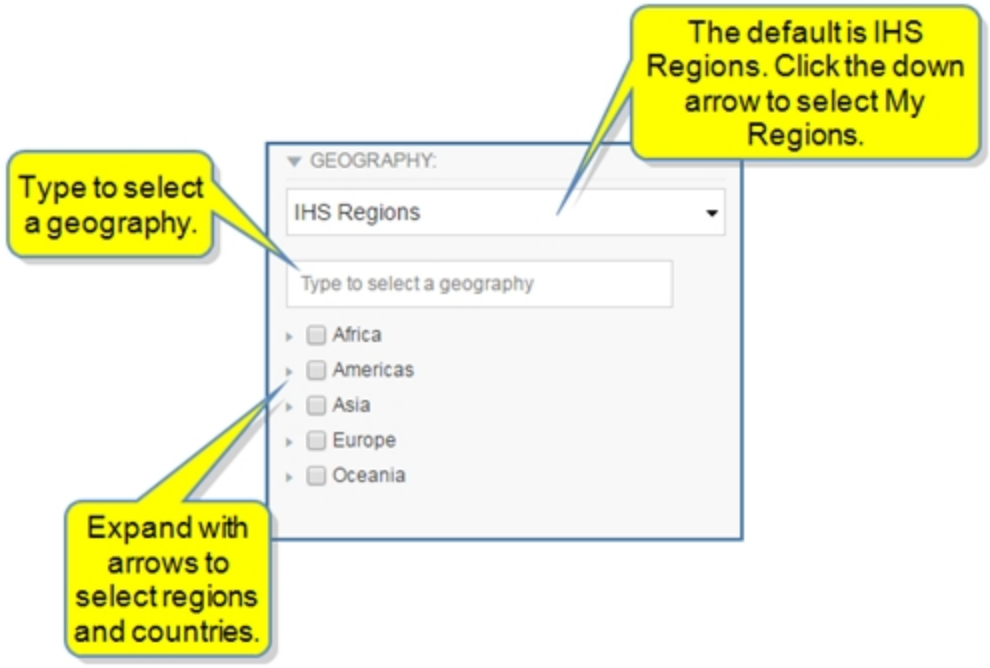
ical, and security. When you select Economics a list of economic categories becomes available. When you select Energy, filters for energy sources becomes available.

Geography: IHS Regions / My Regions

The content in Connect covers five major IHS Regions: Africa, Americas, Asia, Europe, and Oceania.

You can filter results with IHS Regions (the default), type to select a geography, or select a country or region by using the arrows to drop down further choices and select the appropriate check marks.

You may want to create your own region(s), customized to cover countries you want included.

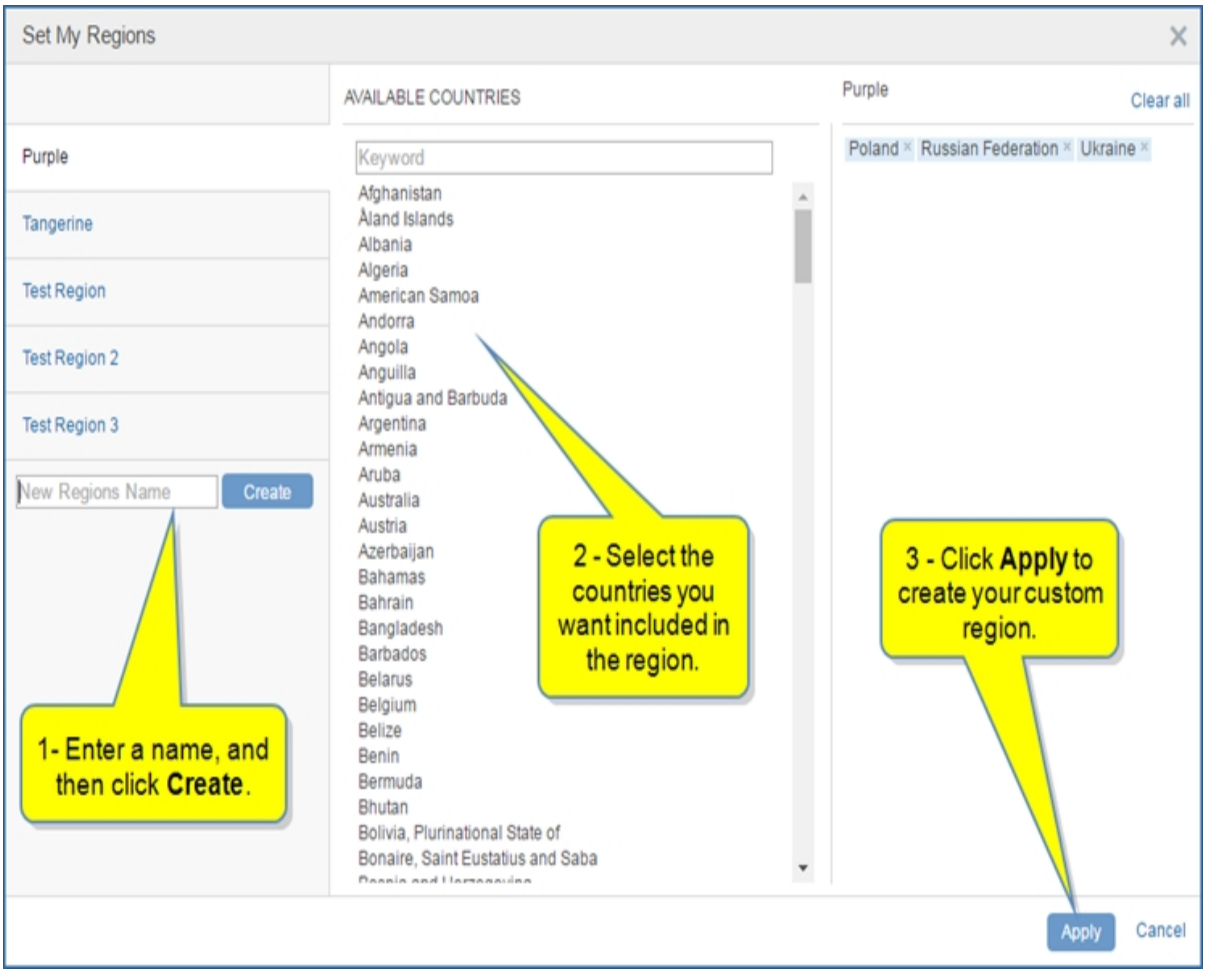


To create your own region

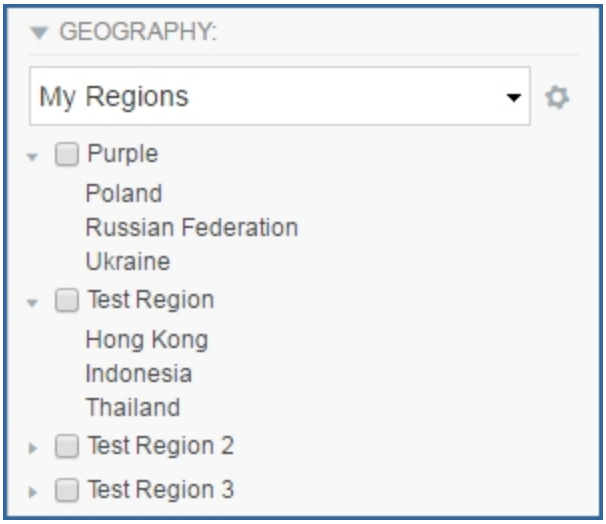
1. Select **My Regions** from the drop-down list under Geography in the Refine Search Results panel.

2. Click the gear icon to display the ***Set My Regions*** dialog.

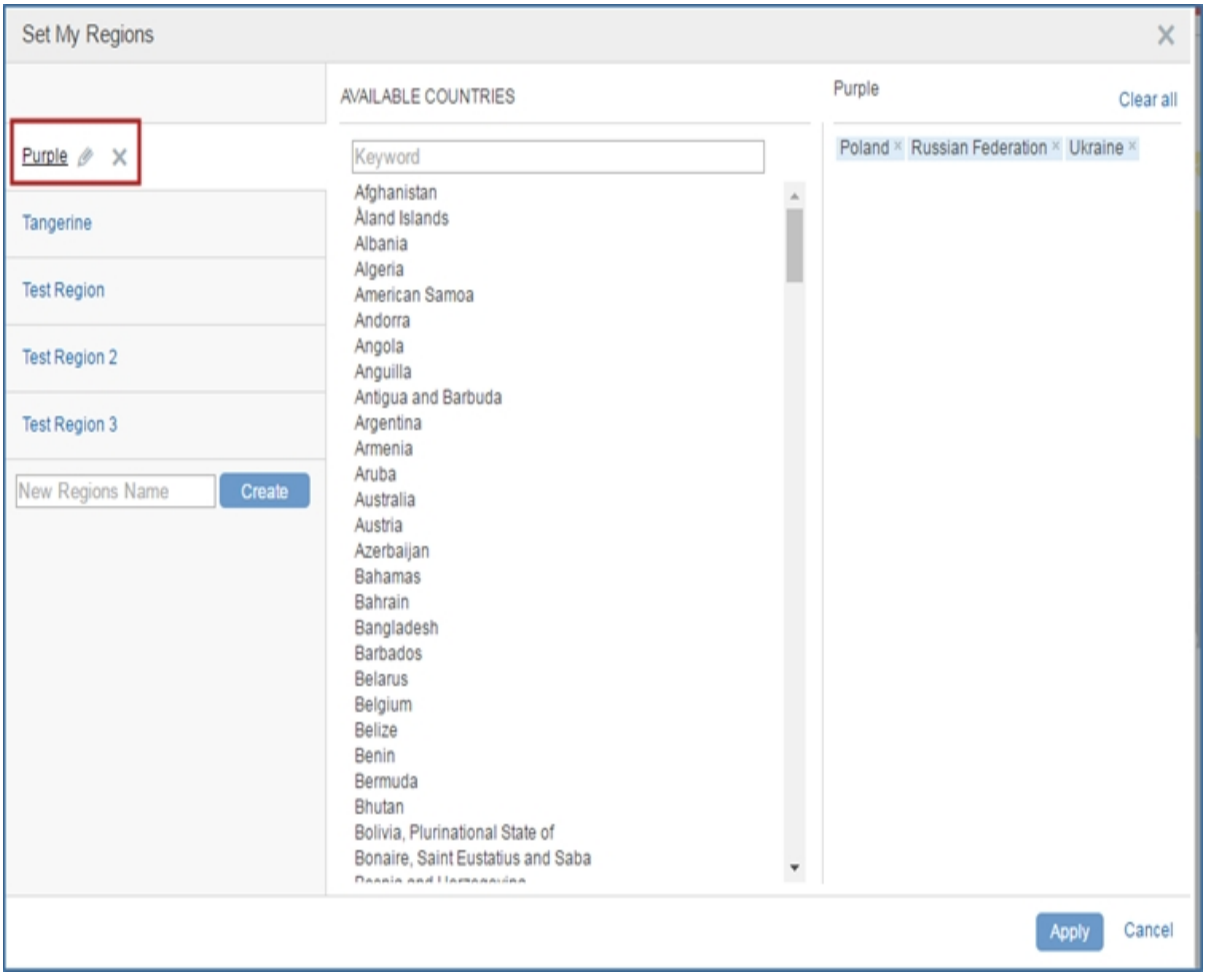
3. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected for the region. In this example, the custom region is "Test Region" and includes Benin, Ghana, Sierra Leone.



4. To Edit or Remove a custom region, click the gear icon , hover over the name of a region, and select the **Edit** or **Remove** icons.



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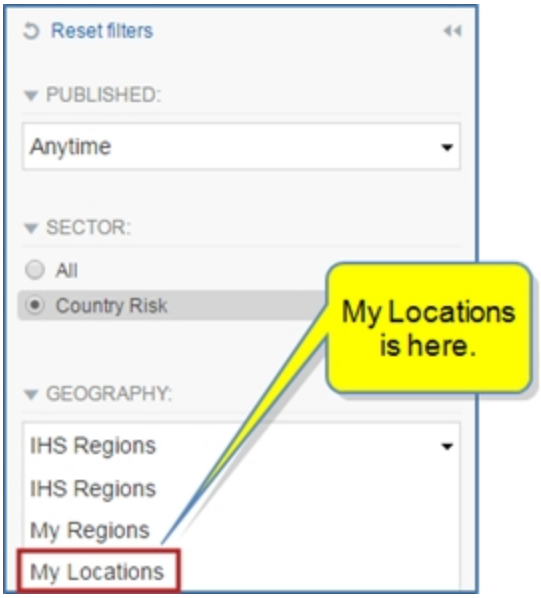
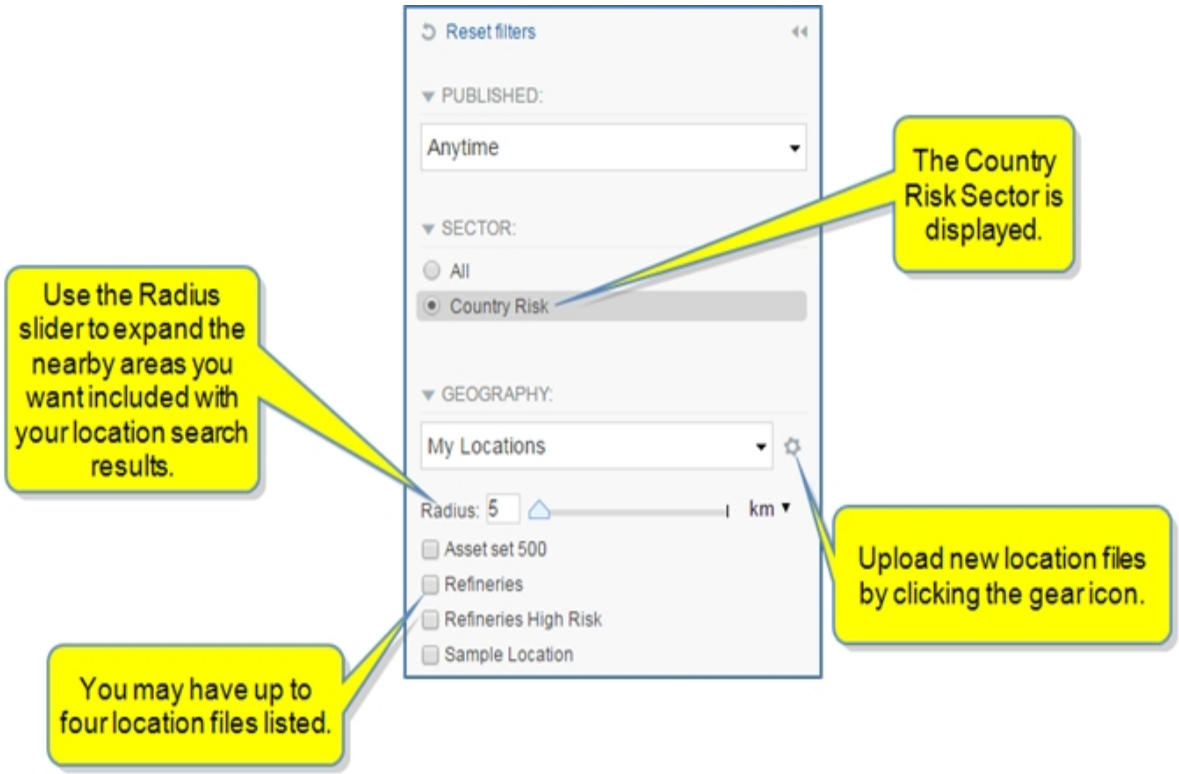
Geography: My Locations

My Locations is available on the Search page under Geography. When the Country Risk Sector is selected, My Locations appears on the drop-down menu.

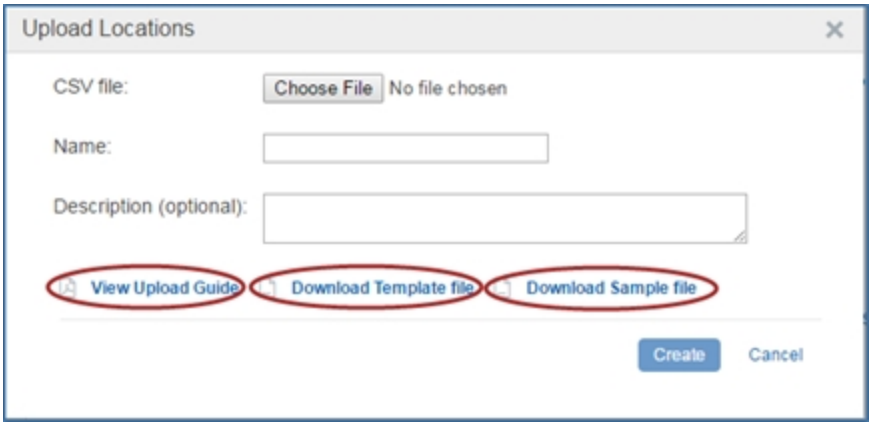


Select **My Locations** to display your customized locations and the radius slider.

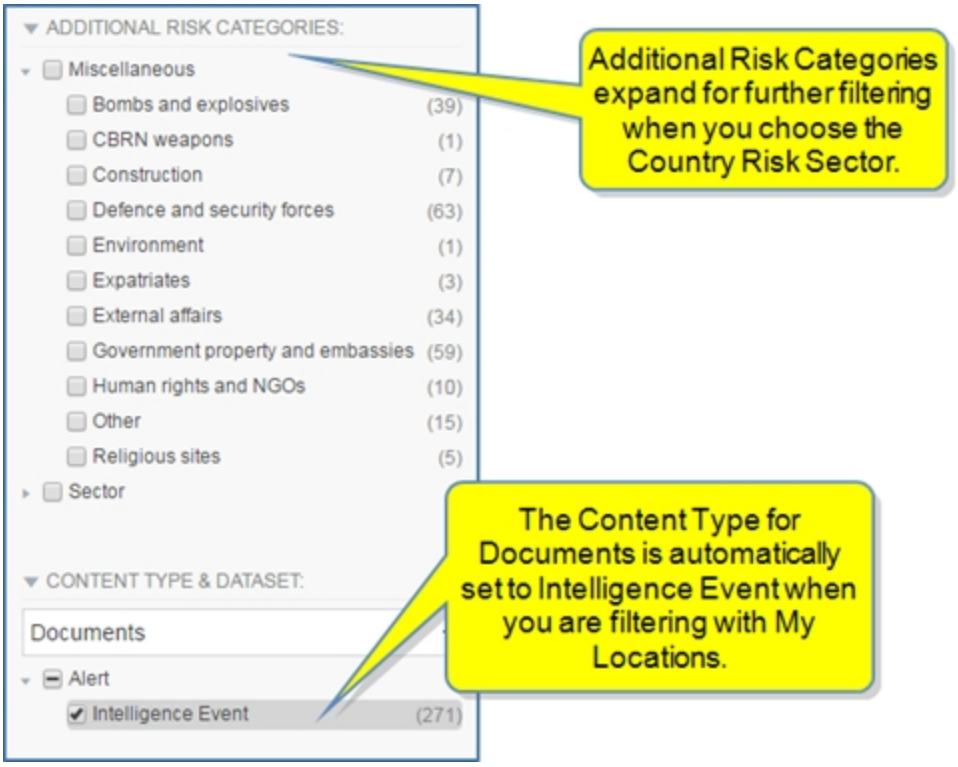


After selecting a location file, you can set the radius (km or miles) you want included as the margin around your location. The corresponding documents are displayed in the center of the page.

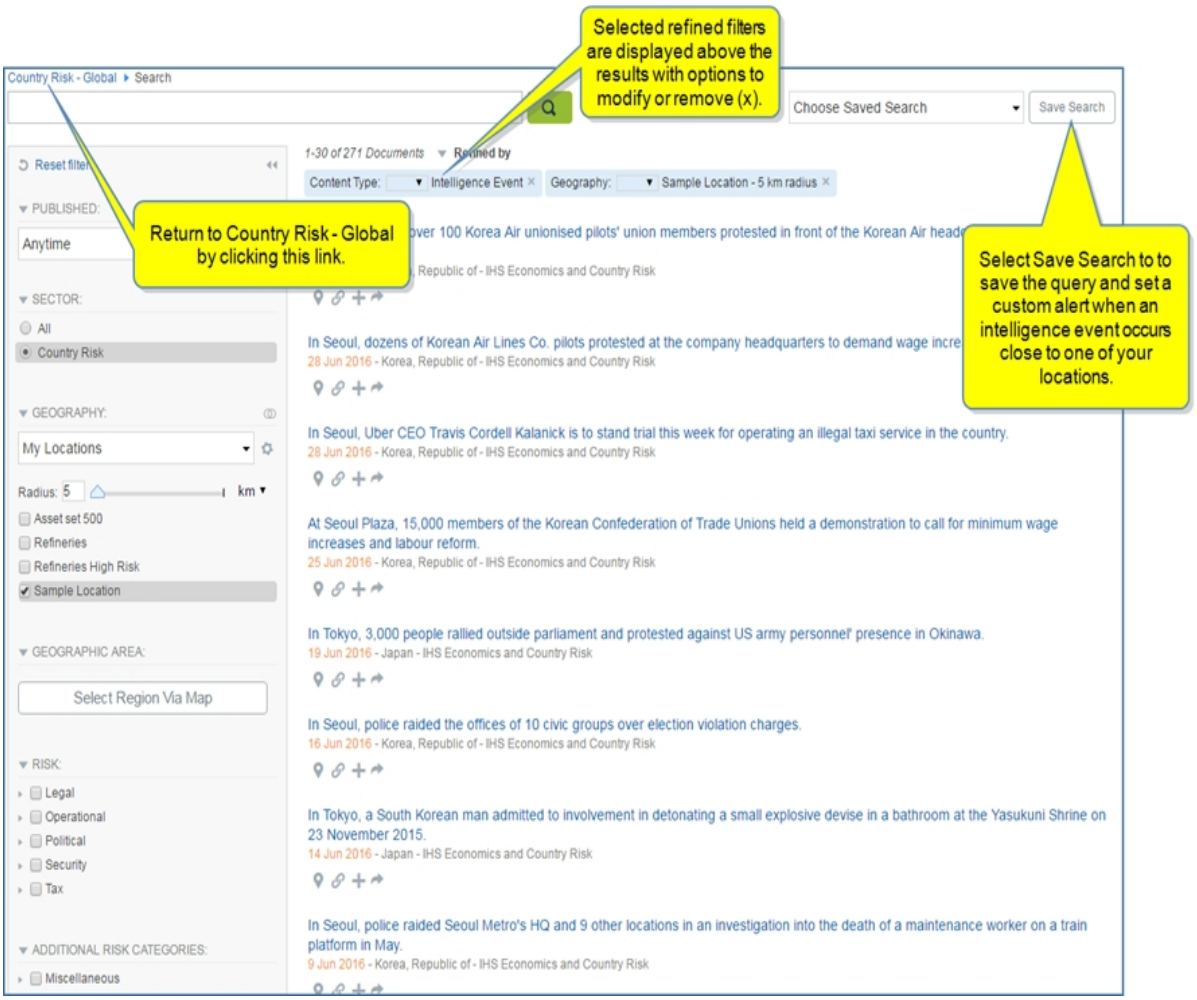
The ***Upload Locations*** dialog opens when you select the gear icon next to **My Locations**.



Note that Additional Risk Categories are displayed with the Country Risk Sector. As you expand with the arrows, more options are presented. In addition, the Content Type & Dataset is automatically filtered for Intelligence Event.



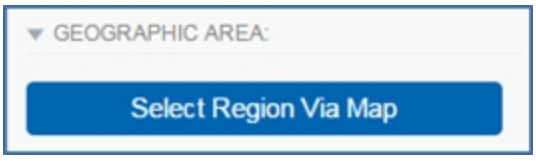
In the following example, we have come from a Country Risk - Global page to Search by selecting the search icon in the Search IHS Connect field. Therefore, the Search page is filtered for the Country Risk Sector. The locations included with Sample Location are London, Montreal, Berlin, Athens, Heisinki, Tokyo, Amsterdam, and Seoul. (Refer to Sample Location in the table format on My Connect / My Locations to view the names and other attributes of each location in the Sample Location file.) Note the search results list documents about these locations.



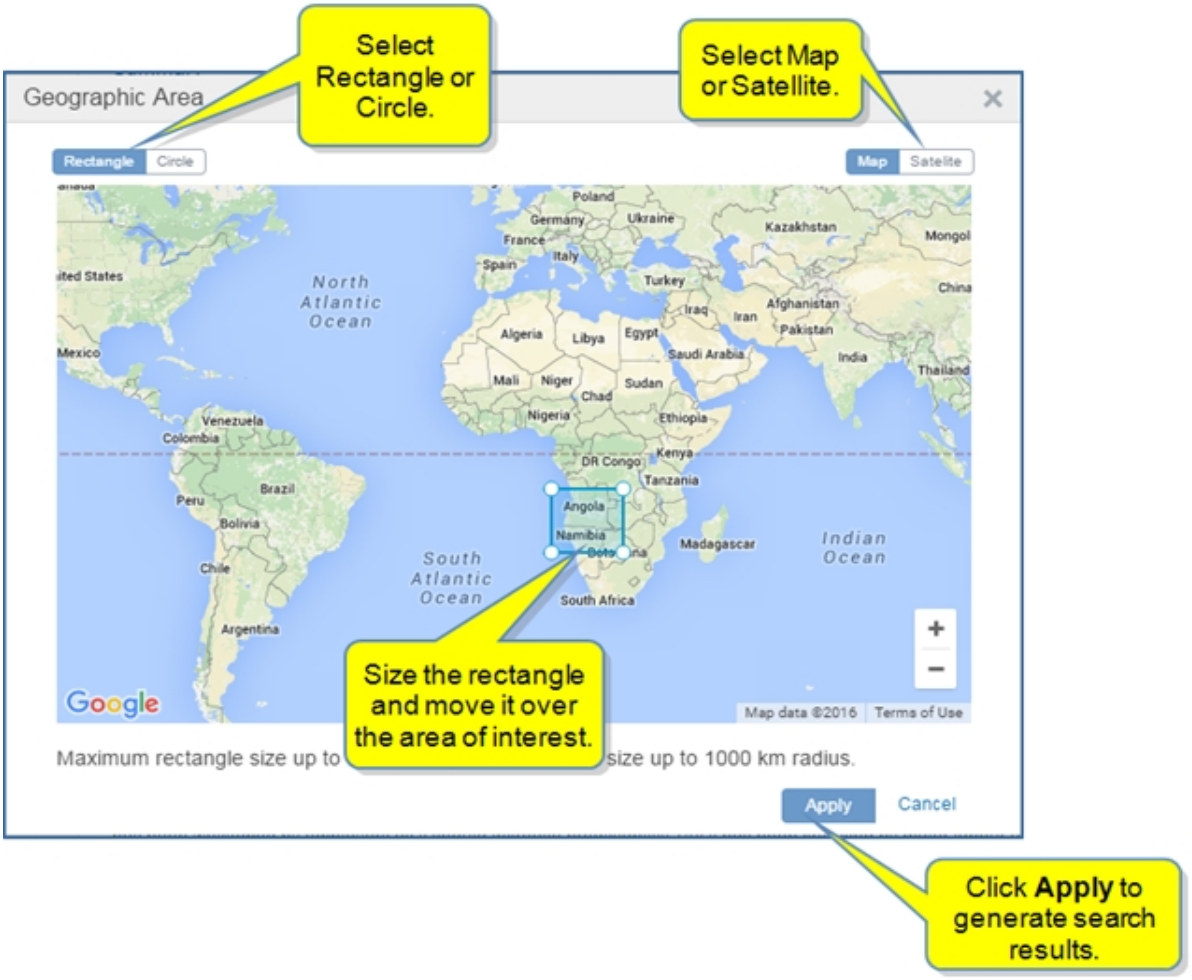
Geographic Area: Select Region Via Map

Select Region Via Map is available when Country Risk is the selected sector.

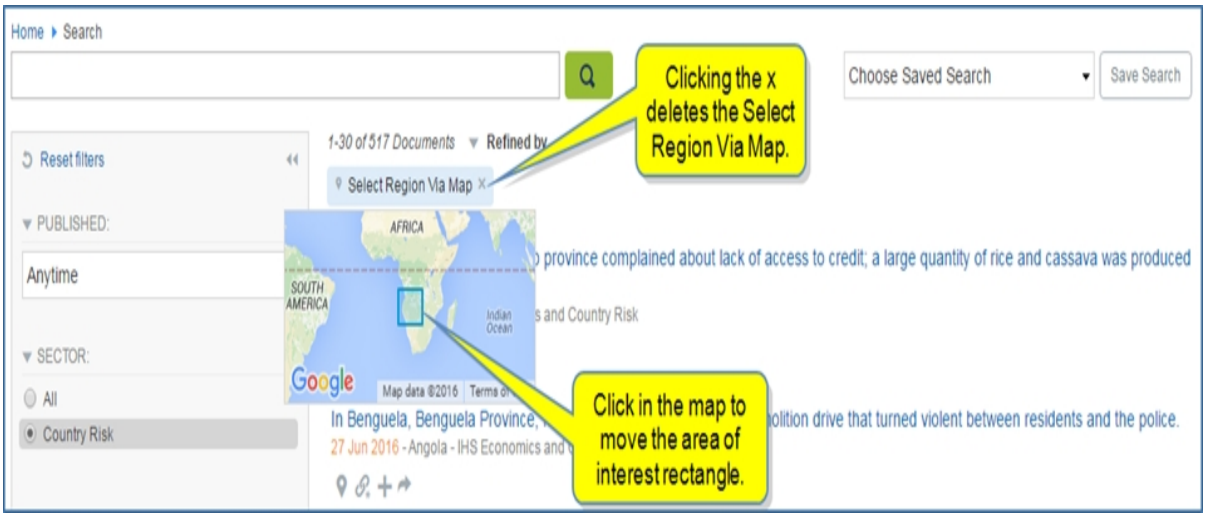
Click **Select Region Via Map** in the Refine Search Results pane.



Position a rectangle or circle to a map or satellite view, and then click **Apply** to generate search results in the center pane.

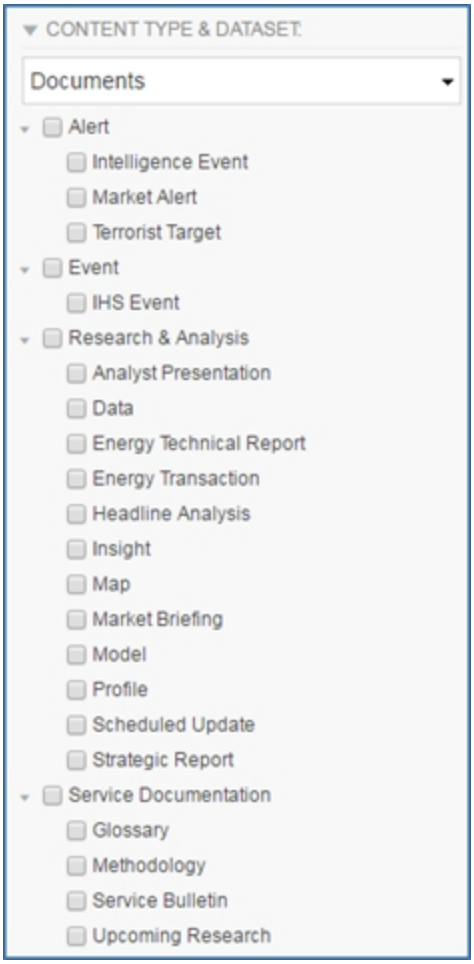


Select Region Via Map is displayed in the Refined by section above search results in the center pane. Hover and click in the map to adjust selected areas of interest. When you click **Apply**, the search results change to display results that match your new area.



Content Type & Dataset

Click the down arrow to select **Documents** or **Data Series** to define search results. In addition, you can expand **Alert**, **Event**, **Research & Analysis**, and **Service Documentation** to specify results.



Source

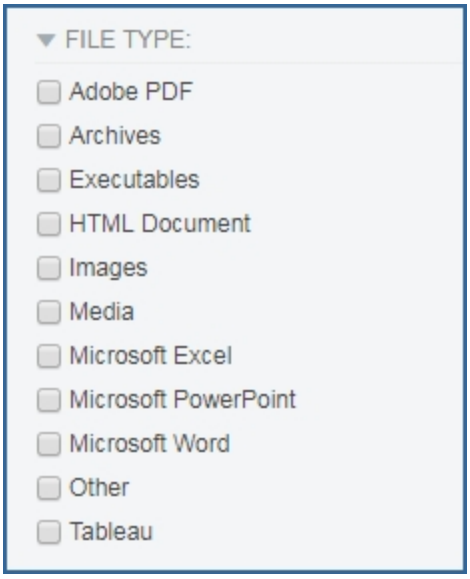
Select an available source for your search criteria to filter by that particular source. Sources change depending on the Sector you select (All, Chemical, Country Risk, Economics, or Energy).

Publication Frequency

Filters for publication frequency pertaining to the sector chosen allow you to filter by monthly, weekly, quarterly, annual, and so on.

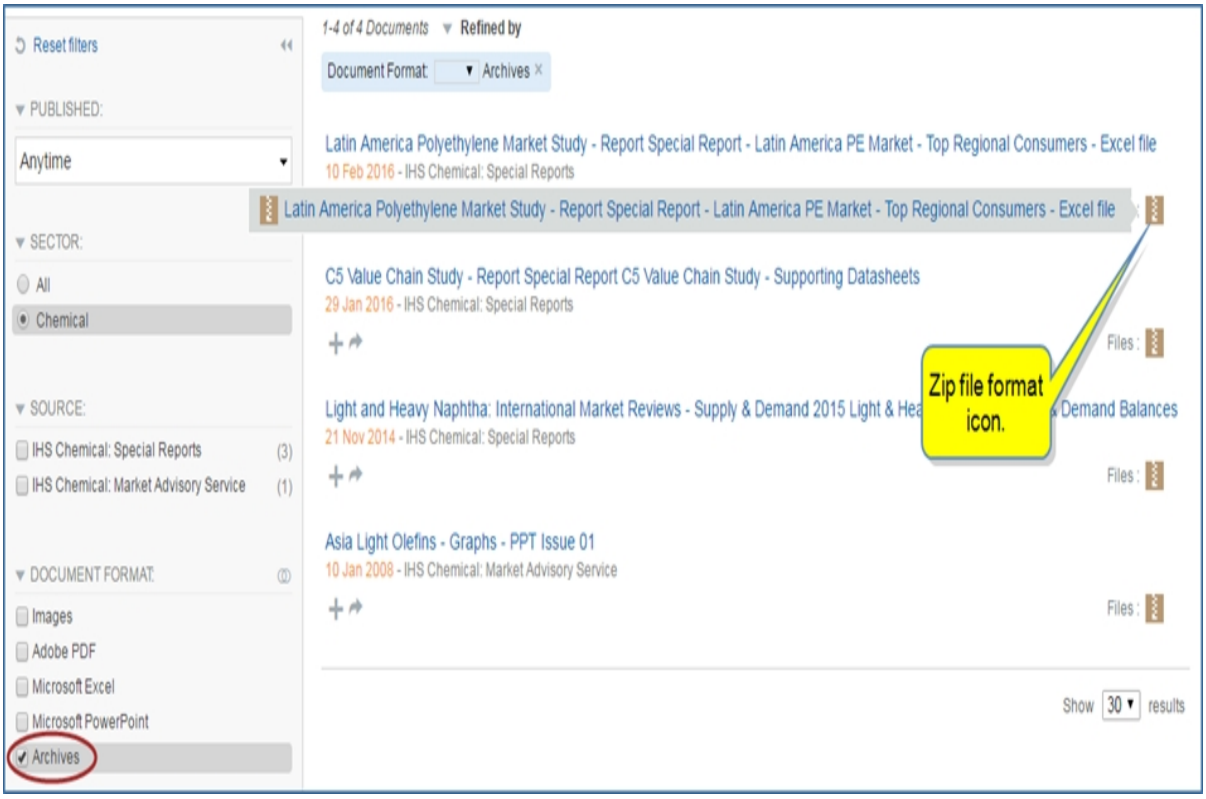
File Type

Document Format lists the available formats displayed for files attached to the articles listed in search results. You can filter results to display only Image, or Microsoft Excel documents, for example.

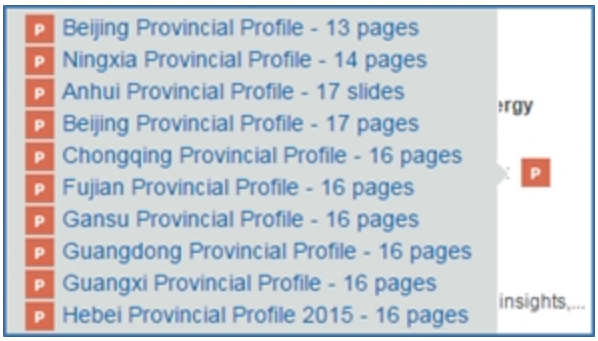


Note: Archives in the Document Format list refers to a file format, and the **Archive** button Archive next to an article title in search results refers to previously published issues of the publication.

For the Chemical sector, Document Format lists Images, Adobe PDF, Microsoft Excel, Microsoft Power-Point, and Archives. When Archives is selected, we see a list of articles with the zip format icon. In the following example, the zip file contains a ***Latin America Polyethylene Market Study - Report Special Report***.



If all document format choices are unchecked, IHS Connect displays all formats available. When the icons are displayed in search results, click the icon to display a list of documents.



Report Author

Type the name of an author in the selection field, check listed authors, and /or click **More** to view a full list for selection.

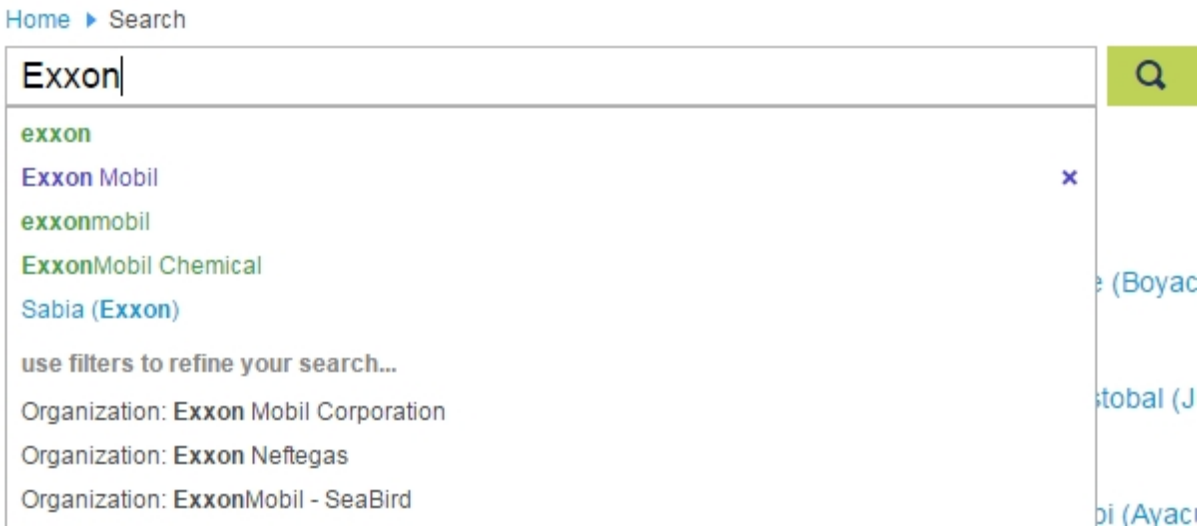
Starting a search with a keyword

Start a search by entering a keyword or phrase in the Search box, or click the magnify symbol to open the Search page and view recent results. You can access the Search IHS Connect field from all other pages in Connect.

The Search page opens with results for your search criteria or recent results. The following example shows recent results.

When you begin entering a keyword in the Search field, IHS Connect anticipates the key word or phrase you are entering and displays a list of options you can select for the search. As you keep entering letters for the keyword, the offered list adjusts to align quickly with your keyword or phrase. In addition, filter options are displayed to refine your search.

The regular, light blue entries are populated from the IHS Connect dictionaries. The dark blue represents previous searches you have made. The green lettering means other users have searched using these particular keywords, so they are popular keyword searches. The black entries under "use filters to refine your search..." offer quick selection of filters that may be appropriate to your search.

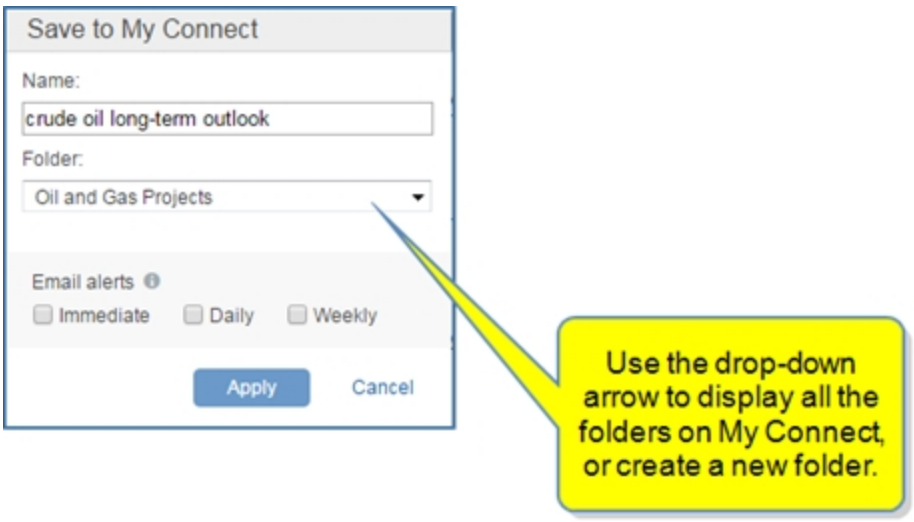


Click to activate the search. Results that match your subscription are displayed in the viewing pane.

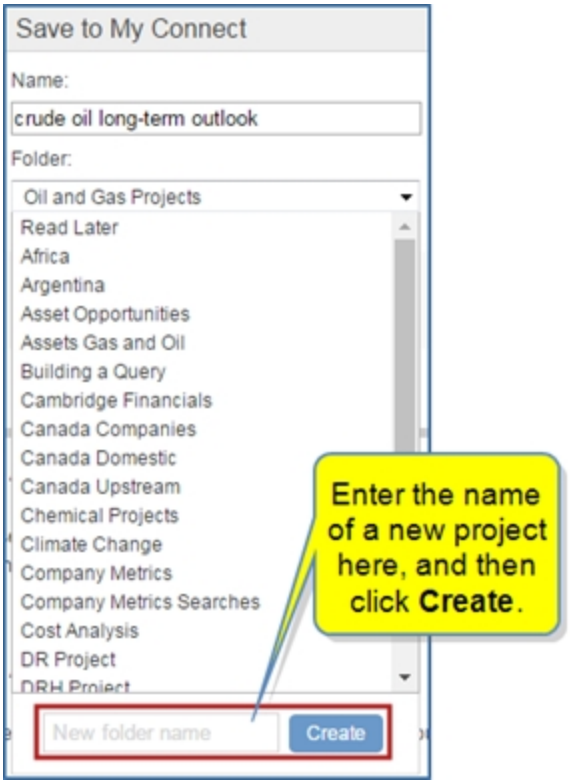
Saving a search in My Connect

If you want to add the search to My Connect, click

to display the ***Save to My Connect*** dialog box. (The color of the button changes from white to blue when you hover.) Enter a name for the search, select a folder from the drop-down list, an Email alert to receive **Immediate**, **Daily**, or **Weekly** alerts about updates for the search results, and then click **Apply** to save these settings.



To create a new project folder on My Connect, enter the name in the **New project name** field below the list of folders, and then click **Create**.



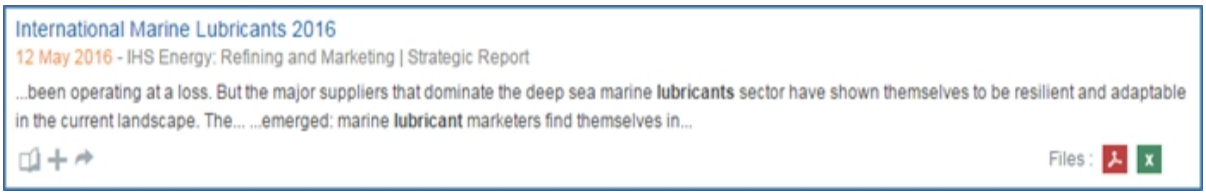
To Edit the Name of a Saved Search, go to My Connect and click the pencil icon.

Viewing and saving search results

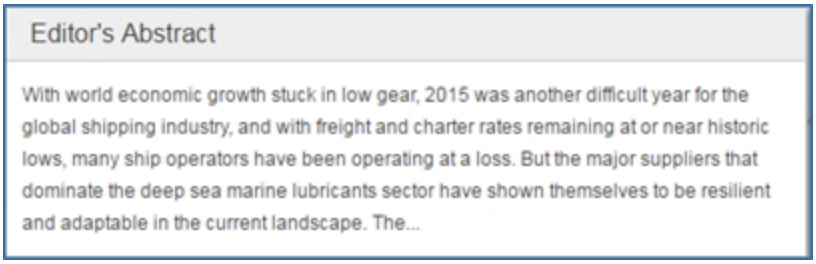
Your search results, depending on your filter setting for Content Type & Dataset, display Documents or Data Series.

Documents

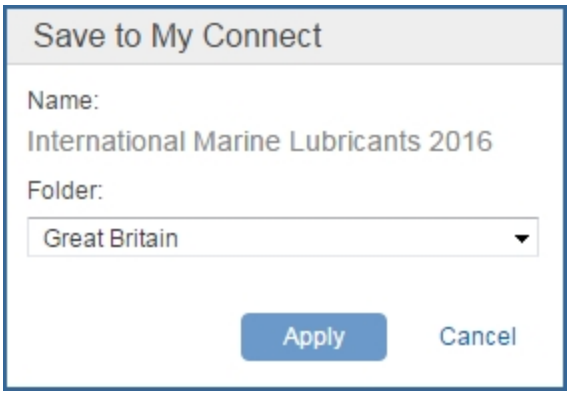
The titles of documents are linked to the full article. The date and source of the article are displayed below the title. A description of the article follows. Finally, icons are displayed that allow you to view an abstract, save to My Connect, share the article, or view an attachment.



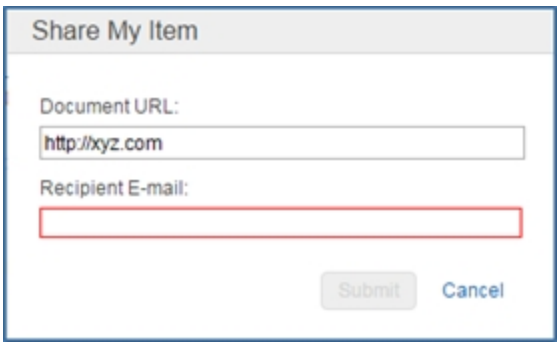
Click the **Editor's Abstract** icon to display the Abstract.



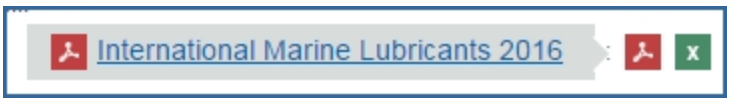
The **Save to My Connect** icon displays the ***Save to My Connect*** dialog. Select a folder from the drop-down list, and then click **Apply** to save the article to My Connect.



The **Share** icon opens the ***Share My Item*** dialog. Enter an email, and then click **Submit** to send the article to a colleague.



When attachment icons are available, click to open the attachment directly from search results.



To open the full article, click the title.

The article icons allow you to do the following:

Save the article to a folder on My Connect.

Share the article with another person through email.

Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

Print the article.

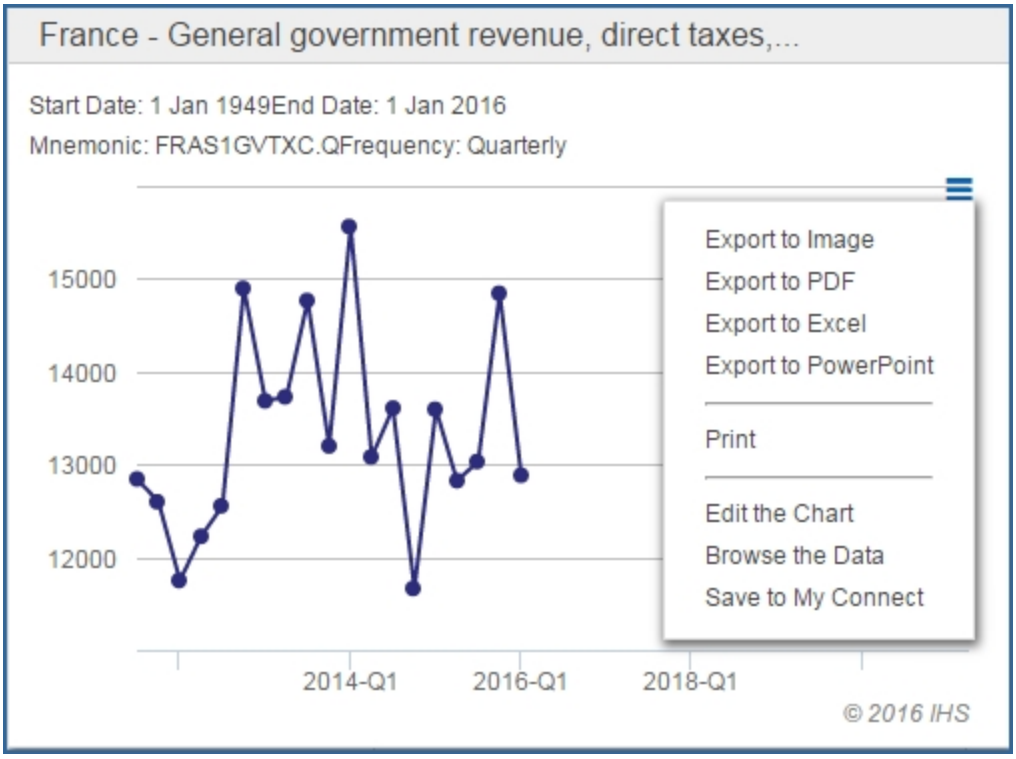
When available, the navigation outline in the right pane contains links to navigate through the content of the article. Related documents are also listed in the right pane.

Data Series and Charts

The titles of series are linked to the full article. The date and source of the article are displayed below the title. A description of the series follows. Finally, icons are displayed that allow you to view an chart, save to My Connect, share the article, or view an attachment.

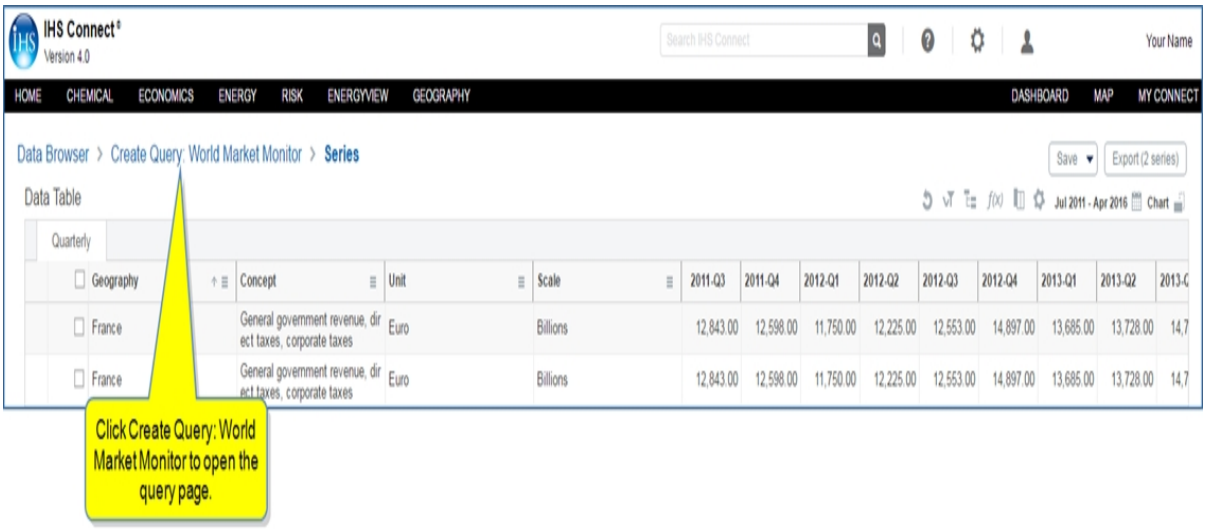
Hover the title of a data series, and then click the **Editor's Abstract** icon to display a quick view of the series. To close this Quick View, simply click on the Search results page.

From this Quick View, you can get further navigation options by clicking the menu bar. Options are displayed to export the series, to print it, to open the series in Chart Editor, or to go to the Data Browser.

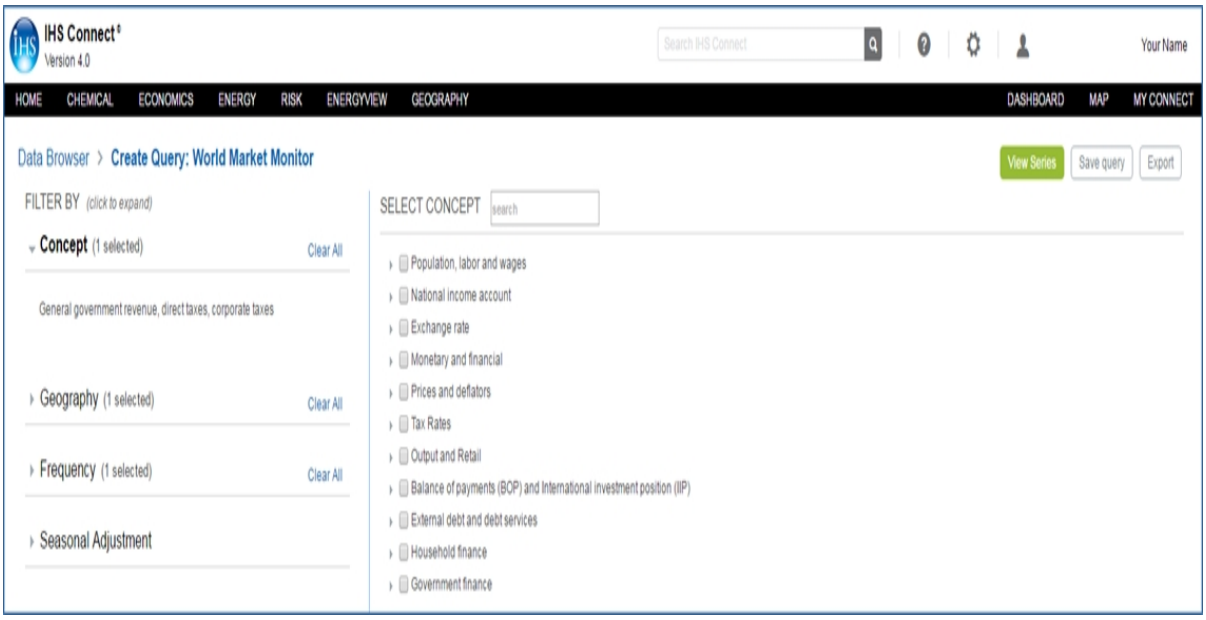


You may also see icons to view on the Map or to view the source page under the description of the article.

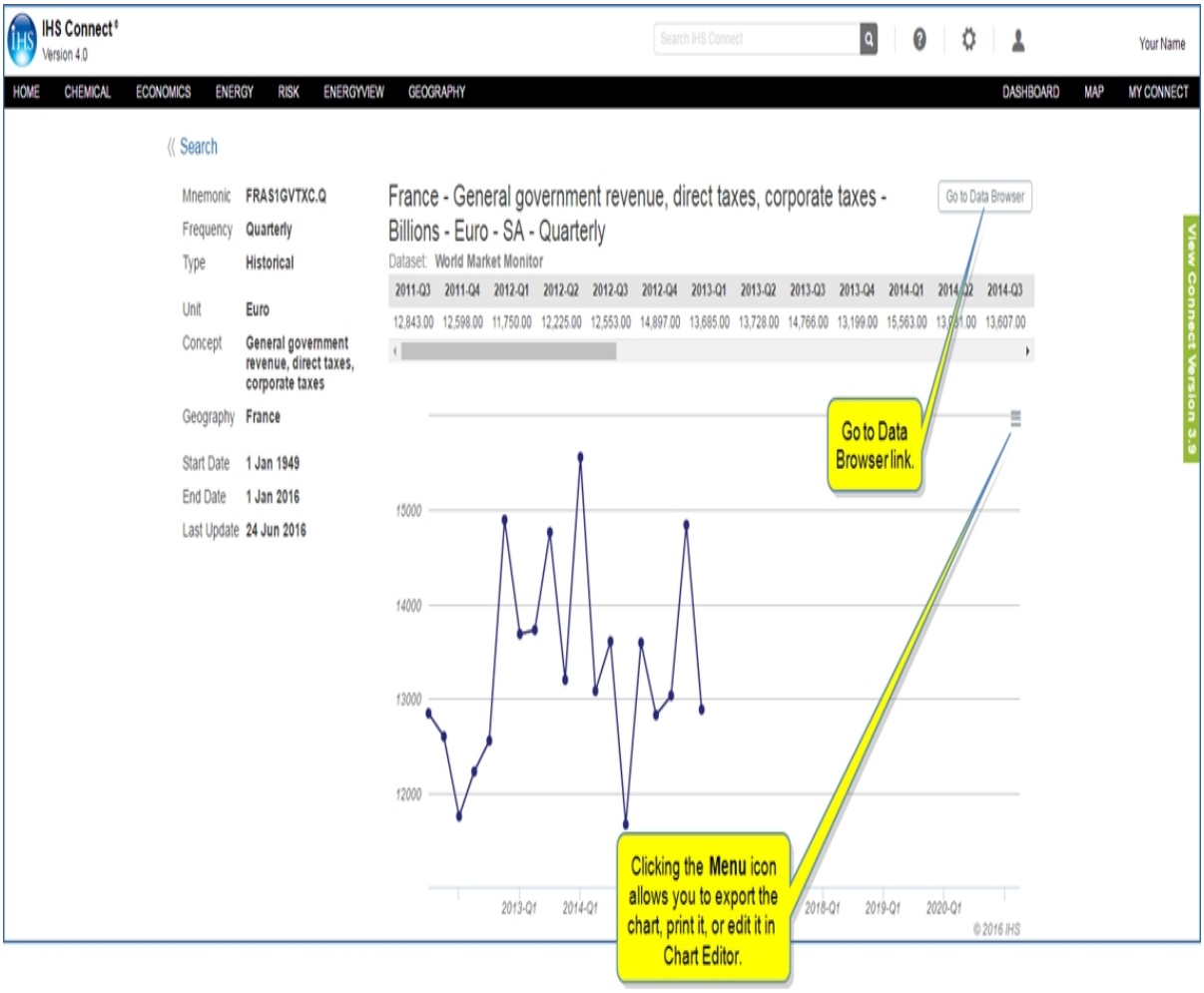
If you click **Browse the Data**, you will move to Data Browser: View Series page, where the series is displayed.



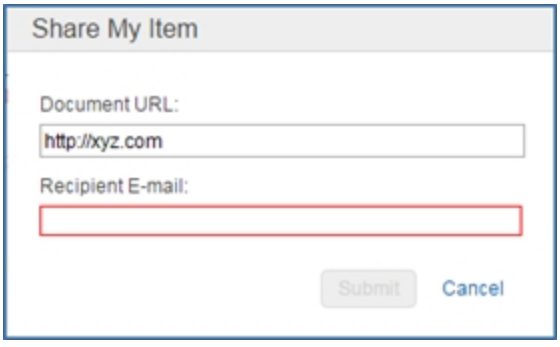
If you then click **Create Query** in the breadcrumb trail at the top of the page, you will move to the Create Query page where the filter selections that correspond to the series are presented.



In Search, when you click the title of a data series, you open it in full view. On this full view, you see the series in a data grid and in a preview chart, as well as information specific to this data series in the left pane. By clicking the **Menu bar** at top of the chart, you can export the chart, print it, or edit it in Chart Editor. By clicking **Go to Data Browser** at the top of the page, you open the data series in Data Browser environment.

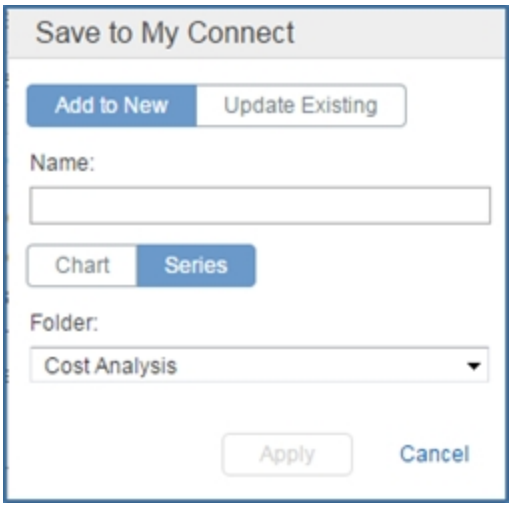


The Share icon opens the ***Share My Item*** dialog. Enter an email, and then click **Submit** to send the series to a colleague.

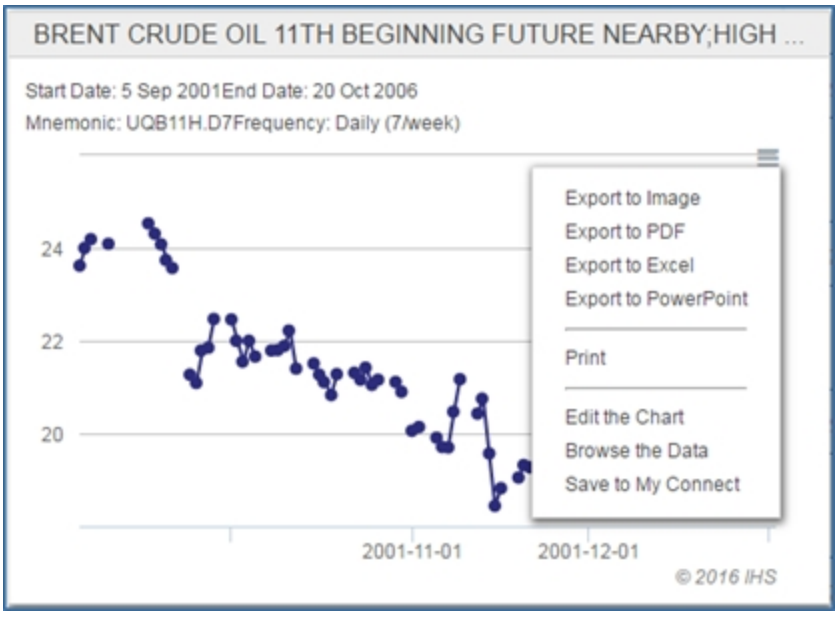


Saving Data Series or Charts

When you click the **Save to My Connect** icon next to the data series title, the ***Add to My Connect*** dialog box is displayed. This dialog box gives you the option to save a Chart or a Series. Series is highlighted because the series is selected. Enter a name, select a folder from the drop-down list, and then click **Apply**.

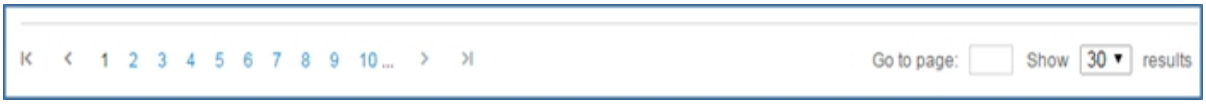


When you open a chart for a series by clicking the Editor's Abstract Icon , the **Menu bar** icon displays options to export, print, edit , browse the data, and save to My Connect.



Page navigation

While viewing documents and data series, you can navigate to multiple pages of search results with the First, Previous, numbers, Next, and Go to Page at the bottom of the page. You also have the options of displaying 10, 30, or 50 items on a page.



Frequently Asked Questions (FAQs) about Search

If you have questions about searching in Connect, review the most frequently asked questions and answers below.

The search term I have entered contains an accented character. Will the system pick up documents that contain the unaccented form of this word (for example, Petróleos/Petroleos)?

Typically, yes. The exception to this may be less common accent types.

Does Connect support the search operators AND, OR, and NOT?

Yes, Search does currently support search operators AND, OR and NOT.

Some model names may or may not contain characters like hyphens (Semi-submersible/Semi submersible Rig). Does it make a difference if I include these or leave these out?

No, the system strips away most non-alphanumeric characters, like hyphens, and replaces these with spaces, so "semi-submersible" is equivalent to "semi submersible".

Is search case-sensitive?

No, the case in which you enter your search terms is ignored. A search for "OIL" returns exactly the same results as a search for "oil".

How do I find documents that contain a particular phrase?

Enclose the phrase you are searching for in quotation marks (for example, “research and design”).

If I do a search for a singular noun like tanker, does the system also look for the plural form "tankers" (and vice versa)?

Yes, but only for words that the system holds in its dictionary. These do not include proper nouns, such as the names of equipment models.

How are documents ranked in results?

A number of factors determine how documents are ranked. The most important factors are outlined in the table below:

	Higher Ranks	**Lower Ranks**
Term Frequency	Search terms occur frequently	Search terms occur rarely
Proximity	Search terms occur close together	Search terms occur far apart
Prominence	Search terms appear in prominent position (for example, title, introductory paragraph)	Search terms don't appear in prominent position
Currency	More recently published document	Less recently published document

The interaction of these different factors can lead to results that might seem anomalous. For example, a search for "gas" might return as a top result a document that mentions "gas" fewer times than the second result as a consequence of the term appearing in a prominent position like the title.

How do I improve the relevance of my search results?

The Connect search is a keyword search, so start by checking your search terms. Are they too general? Improve your search by adding an additional search term to filter out irrelevant documents (for example, "oil" becomes ‘oil rights’), or substitute a generic term with one that is specific (for example, "chemical" becomes "acetone"). Another option is to use Search operators, like Boolean (<AND>, <OR>, <NOT>) or quotes to isolate certain keywords or phrases (for example, “oil rights” <AND> “Russia” will deliver documents that include the phrase ‘oil rights’ and the word ‘Russia’).

You can also use Refine Search Results in the left pane in conjunction with search terms you enter in the keyword field to focus your search results. Using filters for specific searches often works better than typing a filter term into the search box. Continuing on the above example, remove the "Russia" search term and instead narrow the results by layering in a Country filter for Russian Federation. Then, you could use the filter category Published to narrow down time period of interest, for example six months. To focus on analysis rather than editorial comment, filter on Research in the Content Type category. You may even filter on one of several IHS Markit brands, such as IHS Energy: CERA, using the other category Source, to further narrow your search.

How do I increase the number of search results?

Try dropping a search term or filter. Connect will only return documents that contain all of your search terms. It could be that one of your search terms does not occur in the relevant documents and that this is why Connect is not returning the relevant documents. It could also be that the document does not have the metadata associated to the selected filter(s).

Alternatively try substituting one of your search terms. Connect may not have returned the relevant documents because the documents use a different word to refer to something to the search term you have entered. For example, you might have searched for “Petrol” but the document refers to “Gasoline”. Try substituting a different term to see if improves the results.

Should I use conjunctions when using search, such as “and”, “or”, “but”, etc.?

In most cases you should leave out conjunctions and other grammatical words (for example, “in”, ”on”, “to”, “from”, etc.). Grammatical words occur throughout most documents and so do little to improve search results. An exception to this might be where grammatical words tightly bind together a group of words as part of a phrase (for example, “research and design”).

Can questions be typed into Search?

Connect does not understand questions. If you type in a question, Connect simply looks for documents that contain the search terms you have entered, including the question words such as “who”, “what”, “when”, “where”, “why” and “how”. Unless you are lucky enough that the question you are searching for actually appears as a sentence in the document—which is unlikely—phrasing your search is more likely to make search results worse. Rather than type in questions, simply enter the key terms in your query. For example, if you wanted to know “Who is the Managing Director of Acme?”, you would enter the search: Managing Director Acme.

Does Connect remember search terms I’ve previously entered?

Yes, but only if you save your search.

How do I retrieve the latest documents or data series published?

Click the Date toggle at the top of the Search page which will show results beginning with the most recently published or use the Published Date filter on the left hand navigation.

What is a good way to find research about future markets?

Include the words "outlook", forecast", or "projection" as search keywords. Using "scenario" will find our scenario outlooks.

Can I differentiate my search between (a) trends, outlooks, and issues and (b) technical or historical information?

Not at this time, although the majority of these documents will be of Content Type Research.

How do I find regionally specific information?

As a first approach, use the regional or country filter to narrow the search. You may also try putting the region's name in the Search box.

How Boolean Operators work in Search

The rules and guidelines for using Boolean Operators in Search are listed below:

- When a Boolean operator is used, it must be used with caret symbols < > around the operator. Boolean operators that are not enclosed by the caret symbols should be treated like any other symbol. For example, a search for OIL OR GAS should return documents that include the terms OIL, OR, and GAS.
- Boolean operators are case insensitive. Provided the Boolean operators are enclosed by carets, it doesn't matter in what case they are written. <OR> is equivalent to <Or>, <oR>, and <or>
- The Boolean operators supported are <AND>, <OR>, <NOT>
- The grouping parentheses (and) are supported in addition to the Boolean operators
- The order of precedence of the operators is the standard one: (), <NOT>, <AND>, <OR>
- Where the user has not entered an operator, we should assume an implicit <AND>. For example, (coal <OR> gas) (price <OR> cost) is equivalent to (coal <OR> gas) <AND> (price <OR> cost)
- Examples of Boolean searches and expected results:
  - Oil <AND> Gas Returns documents that contain both "oil" and "gas"
  - Oil <OR> Gas Returns documents that contain "oil" or "gas" or contain both "oil" and "gas"
  - Oil <or> gas <and> Poland Returns all documents with the word "oil" or both words "gas" and "Poland"
  - Mexico <AND> <NOT> City Returns documents that contain "Mexico" but not those that also contain "City"
  - <NOT> (coal <OR> gas) Returns documents that contain neither "coal" nor "gas"
  - <NOT> (coal <AND> gas) Returns all documents except those that mention both "coal" and "gas".
  - (Coal <OR> Gas) AND NOT (Coal <AND> Gas) Returns documents that mention either "Coal" or "Gas" but not documents that mention both

Automotive

Delete this text and replace it with your own content.

Automotive megamenu overview

Automotive research and data on Connect covers a multitude of perspectives and information about the global automotive industry. Connect provides the data through an overview dashboard containing the following headings with tab links to specific content on the capability page: headline analysis, country reports, company reports, special reports, monthly forecast flash, and country and company analysis. In addition, linked access to related products and platforms—for example, AutoInsight and SupplierInsight—provide tools for queries, analytics, efiles, and alerts.

The Connect Home page displays automotive content through various sections: Featured Research, Hot Topics, Research, and Headline Analysis. See Home Overview. Access the Home page from any page in Connect by clicking the Connect logo in the upper, left corner.

From the Automotive megamenu overview access the following content areas:

- Autointelligence Home—overview of automotive coverage in a dashboard format
- Headline Analysis—daily analysis of events impacting the global automotive industry
- Country Reports—in-depth vehicle market analysis filtered by country
- Company Reports—detailed company analysis of key players in Light Vehicle Manufacturers, Medium-Heavy Vehicle Manufacturers, and Suppliers
- Special Reports—latest in-depth research of key challenges and trends facing the automotive industry
- Monthly Forecast Flash—analysis of the latest country performances and their impact on the full-year forecast outlook

Note: Your Connect experience will vary based on your subscriptions.

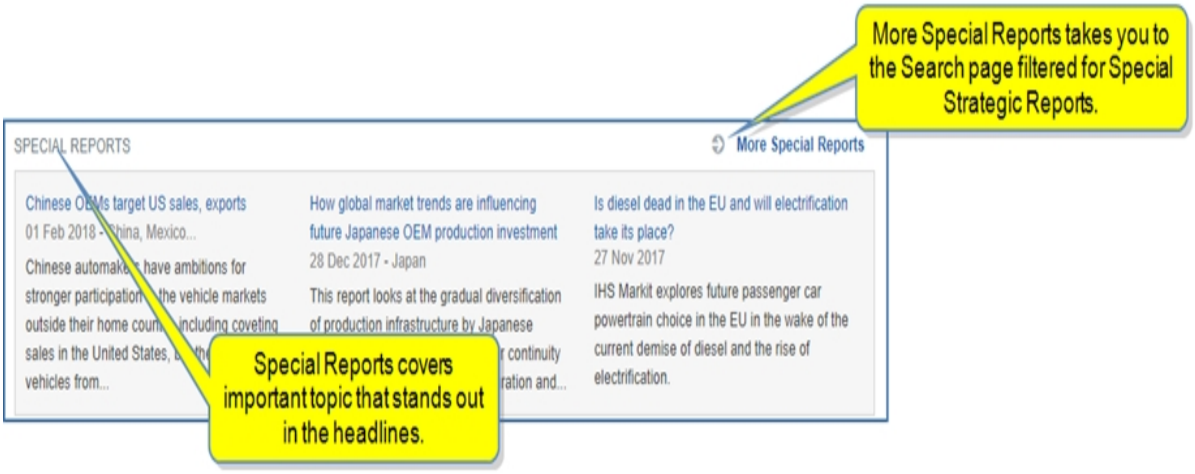
Autointelligence Home

Automotive Home gives you an overview of Automotive coverage in a modular dashboard format. The overview includes a link to Country Automotive, four Hot Topic articles with a link for **More Hot Topics**, Latest Reports, an Automotive Heatmap, Headline Analysis, Special Reports, and a right pane with Related Platforms, Service Bulletins, Research a Country or Company, and Expert Directory.

Features on the Automotive Home page:

- Go to Country Automotive link
- Hot Topics
- Latest Reports
- Follow this feature and Saved Pages
- World Data
- Headline Analysis
- Special Reports

AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY
DASHBOARD MAP MY CONNECT
AutoIntelligence Home
Go to Country Automotive
View details about automotive information in a country profile by clicking Go To Country Automotive.
Related Platforms links take you to AutoInsight and SupplierInsight.
HOT TOPICS
More Hot Topics
Related Platforms
AutoInsight
SupplierInsight
Service Bulletins
Research a Country or Company
Expert Directory
Chinese automakers in the US: How soon?
China's push to lead in AI, focusing on mobility
The future of diesel in Europe
AutoMobility LA 2017: Utility vehicle expansion continues
Tokyo Motor Show 2017
Four Hot Topics about vehicles are displayed with a link to view More Hot Topics.
Expand and contract these ribbons by clicking the arrows.
LATEST REPORTS
Automotive Company Report – Mahindra & Mahindra Ltd
28 Nov 2017
AutoIntelligence | Profile
Automotive Monthly Market Review - South Korea
14 Feb 2018
AutoIntelligence | Profile
Automotive Monthly Market Review - Spain
13 Feb 2018
AutoIntelligence | Profile
Automotive Company Report – Federal-Mogul Corporation
23 Mar 2017
AutoIntelligence | Profile
More Automotive Research
Four Latest Reports are displayed with a link to view More Automotive Research.
World Data
Light vehicle sales - 2018
Headline Analysis
Tower International revenue increases 16% y/y in Q4 2017, forecasts 7% growth in 2018
14 Feb 2018
Rolls-Royce confirms "Cullinan" as new SUV name
14 Feb 2018
Headline Analysis
Save to My Connect, export to Image, PDF, or PowerPoint, and / or maximize to view in a larger display.
Headline Analysis provides links to the latest automotive headline articles.
Select a concept from the drop-down list to view data on the heatmap with a color legend.
For more Headline Analysis on the Search page, click this Headline Analysis link.


More Special Reports takes you to the Search page filtered for Special Strategic Reports.
SPECIAL REPORTS
More Special Reports
How global market trends are influencing future Japanese OEM production investment
28 Dec 2017 - Japan
This report looks at the gradual diversification of production infrastructure by Japanese
Is diesel dead in the EU and will electrification take its place?
27 Nov 2017
IHS Markit explores future passenger car powertrain choice in the EU in the wake of the current demise of diesel and the rise of electrification.
Special Reports covers important topic that stands out in the headlines.

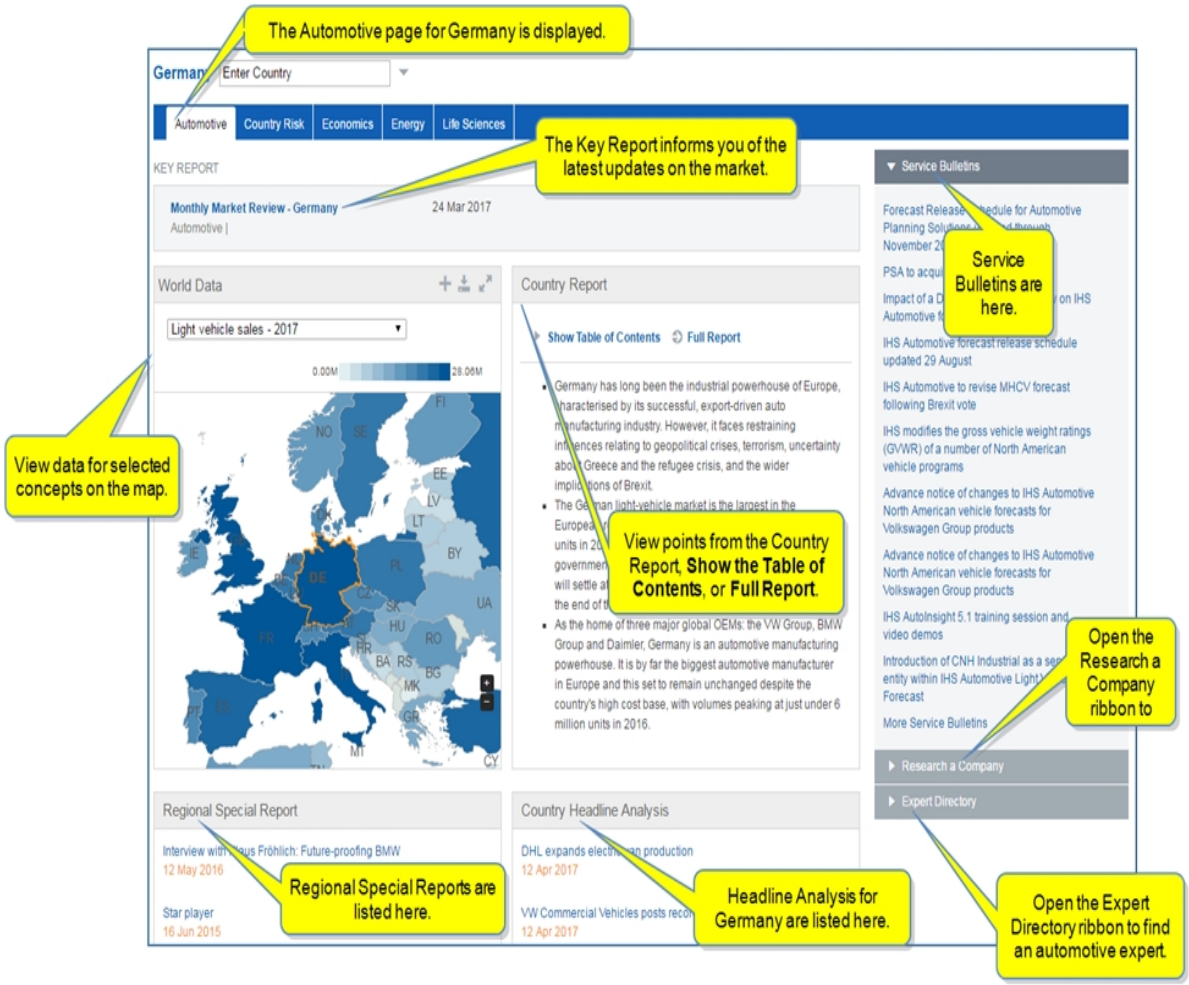
Modules and Country Automotive link on the Autointelligence Home page

The Autointelligence Home page contains a link at the top that takes you to Country Automotive. Modules on the page include Hot Topics, Latest Reports, Automotive Heatmap, Headline Analysis, and Special Reports. Content available on the Automotive Home page is dependent upon your subscription.

Go to Country Automotive link

When you click the arrow for the

link, your most recently selected country page is displayed. In the following example, Germany is selected.

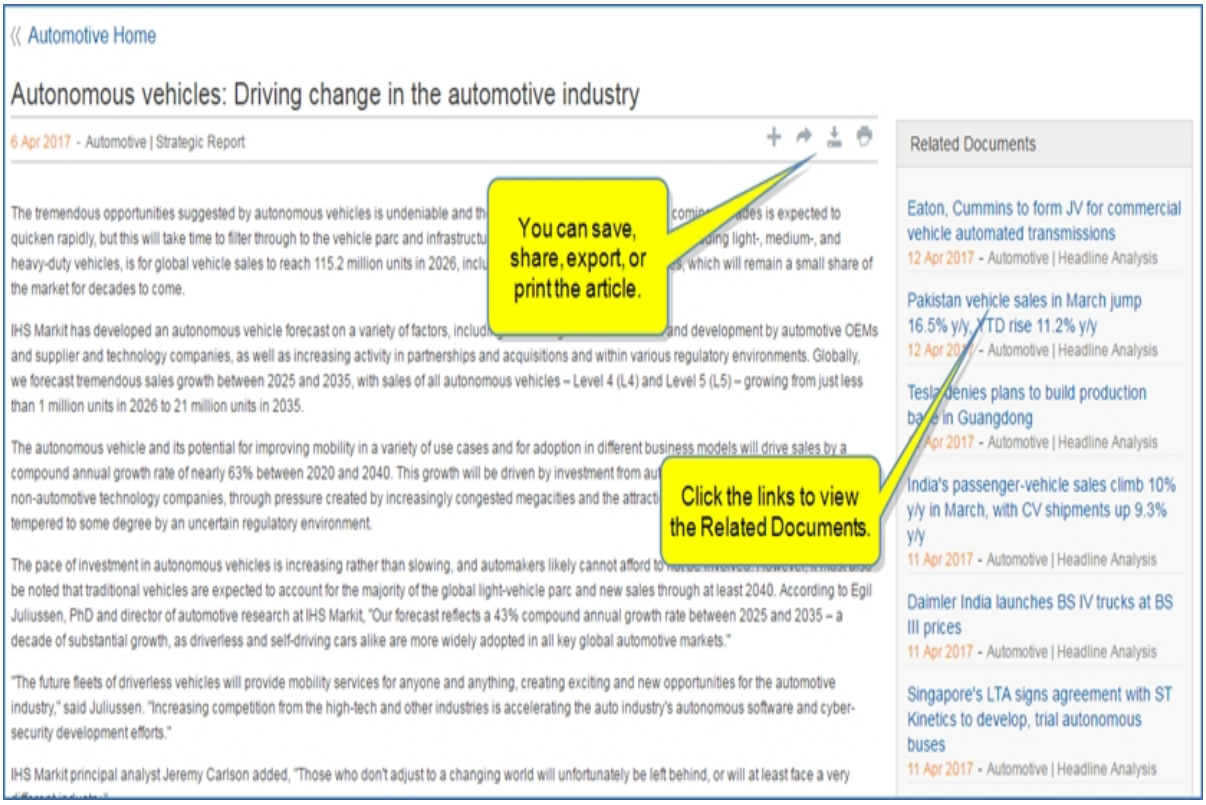


To select a different country, click the down arrow to the right of the **Enter Country** field to open the country picker. Search for a country by region, alphabet, or scroll left and right to find a country.

Hot Topics

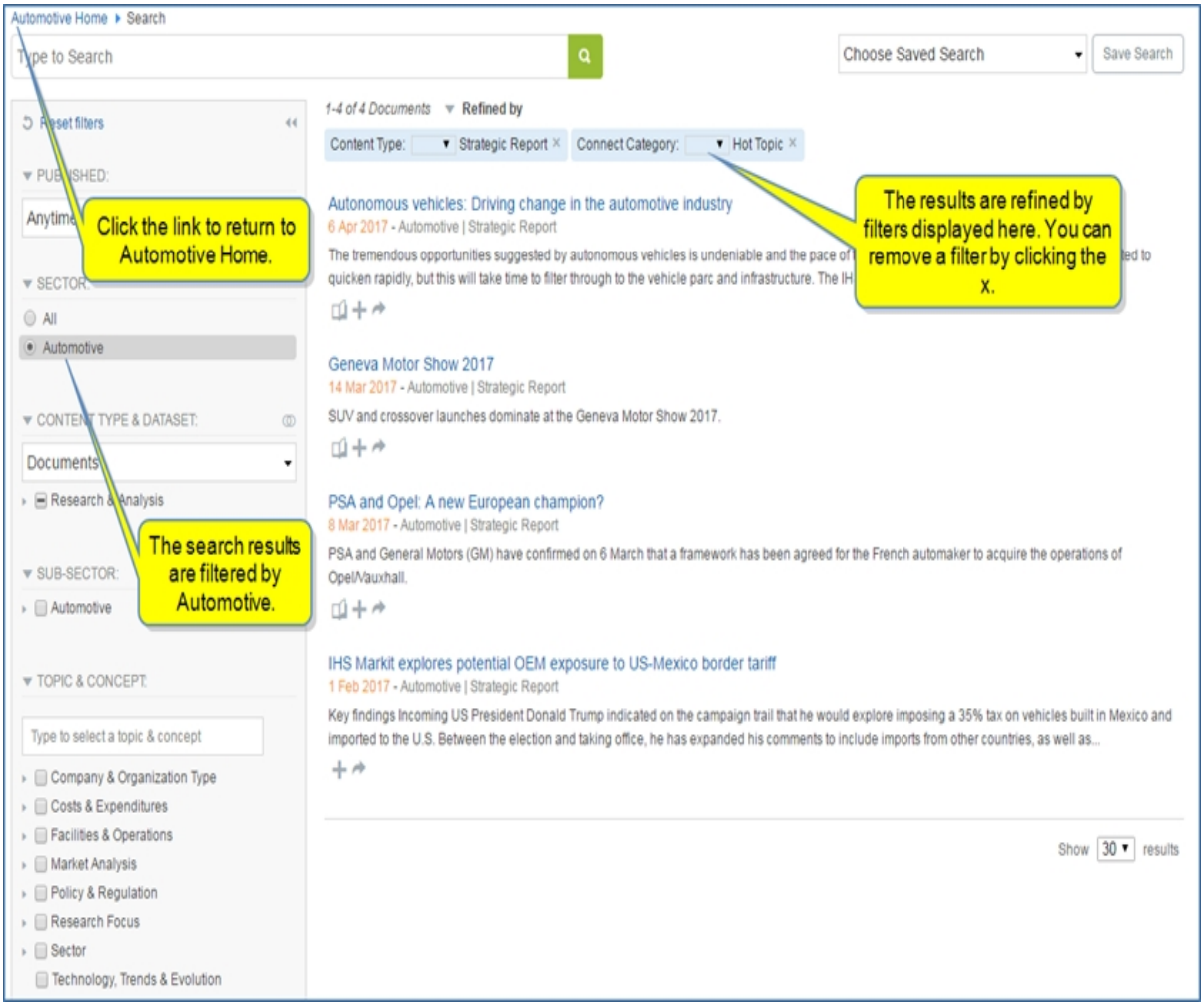
Hot Topics presents current important automotive reports.

Click the title to open an article.



When you click

, the Search page, filtered for Automotive is displayed. You can view and filter for more Hot Topics.

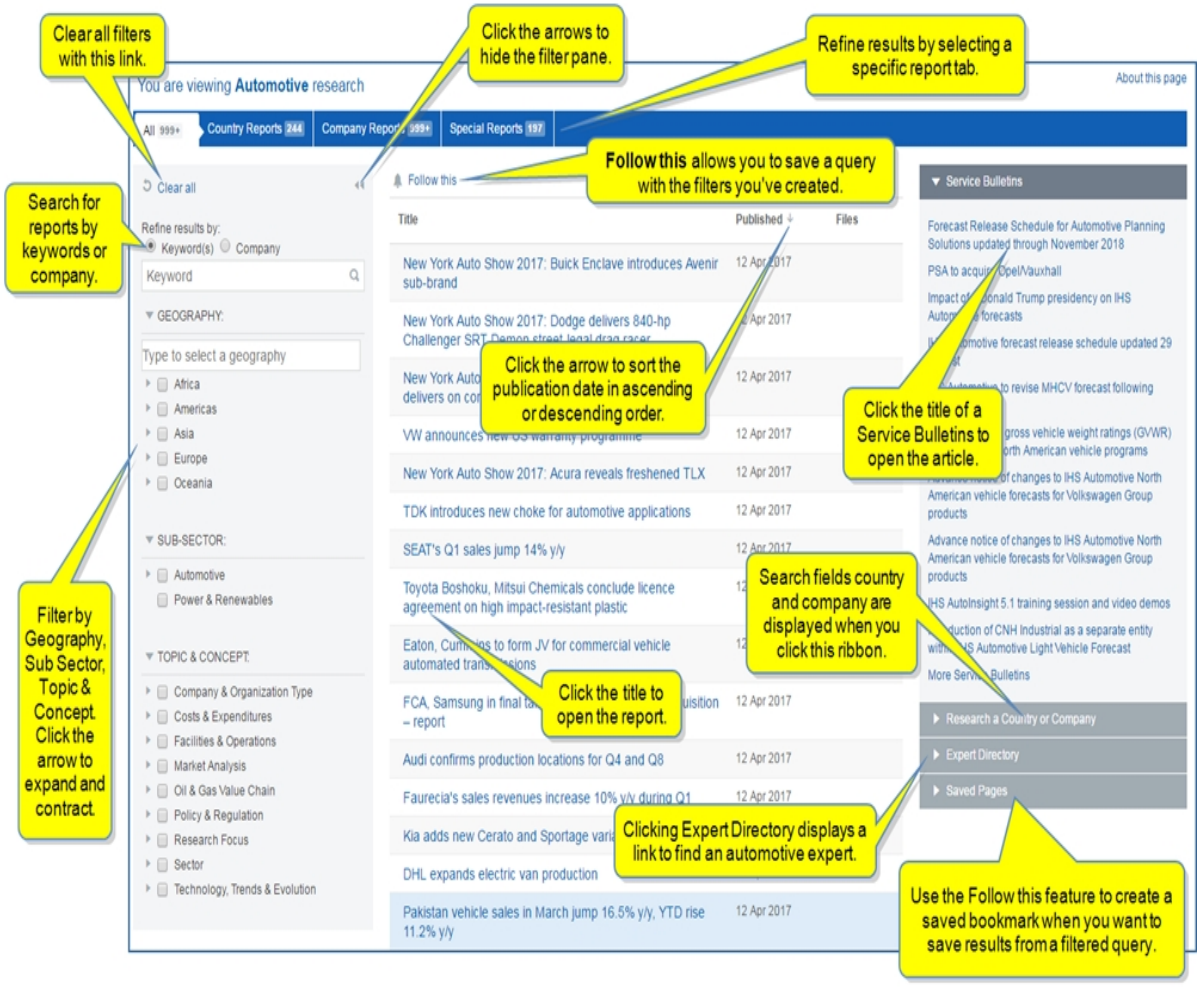


Latest Reports

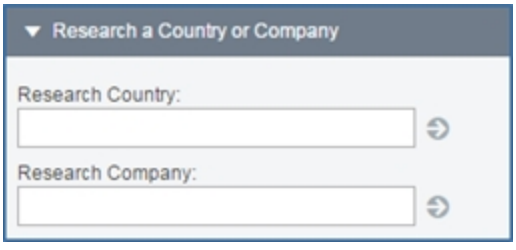
Four of the latest reports are displayed in this module.

Click

to view the capability page for Automotive research, which contains all reports (Country, Company, and Special Reports) and tabs for filtering reports by Country Reports, Company Reports, and Special Reports.

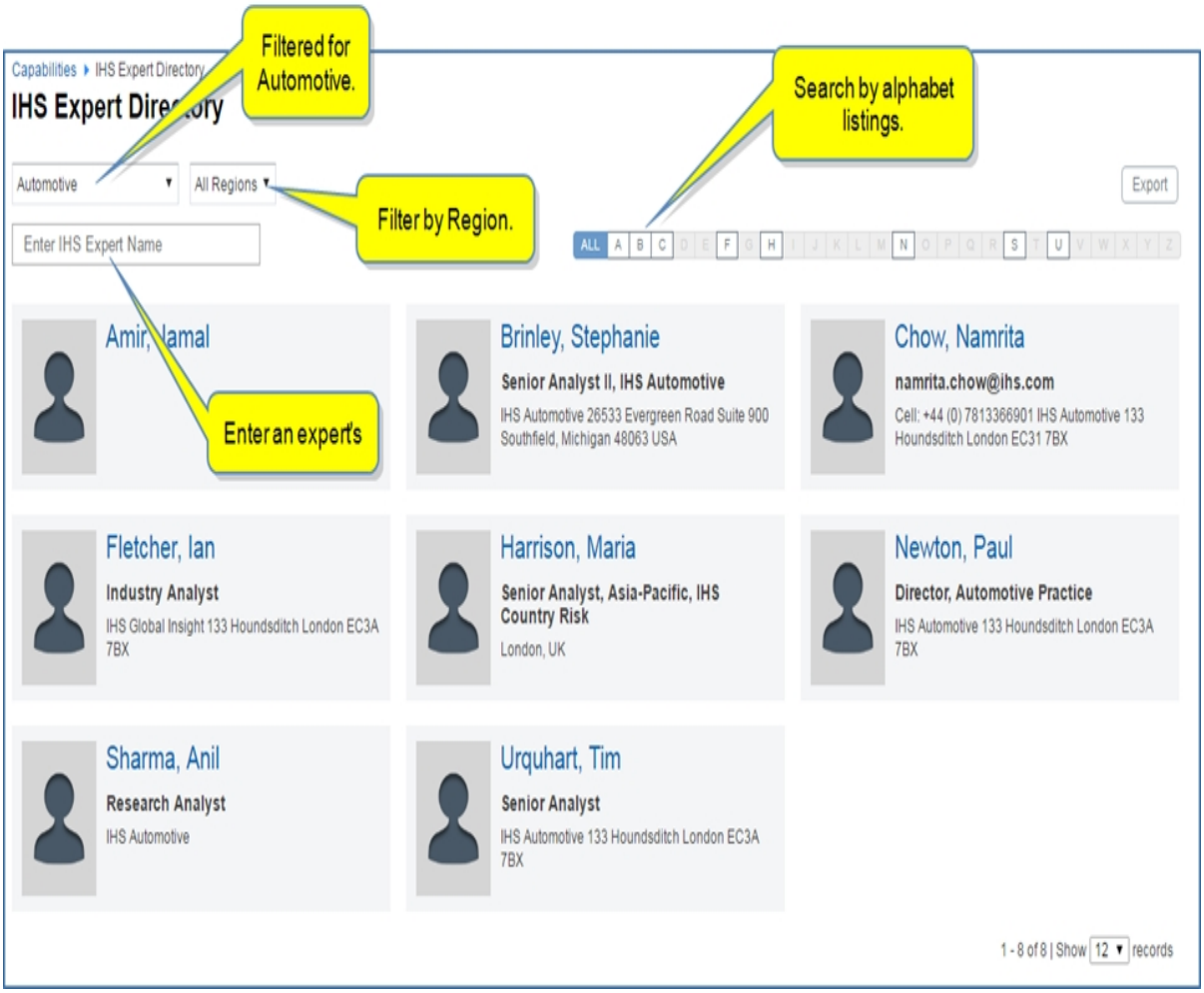


The Research a Country or Company ribbon in the right pane displays search fields for researching a country or company. Enter a country or company and click the arrow.



The Expert Directory ribbon displays a link to **Find an Automotive Expert**.

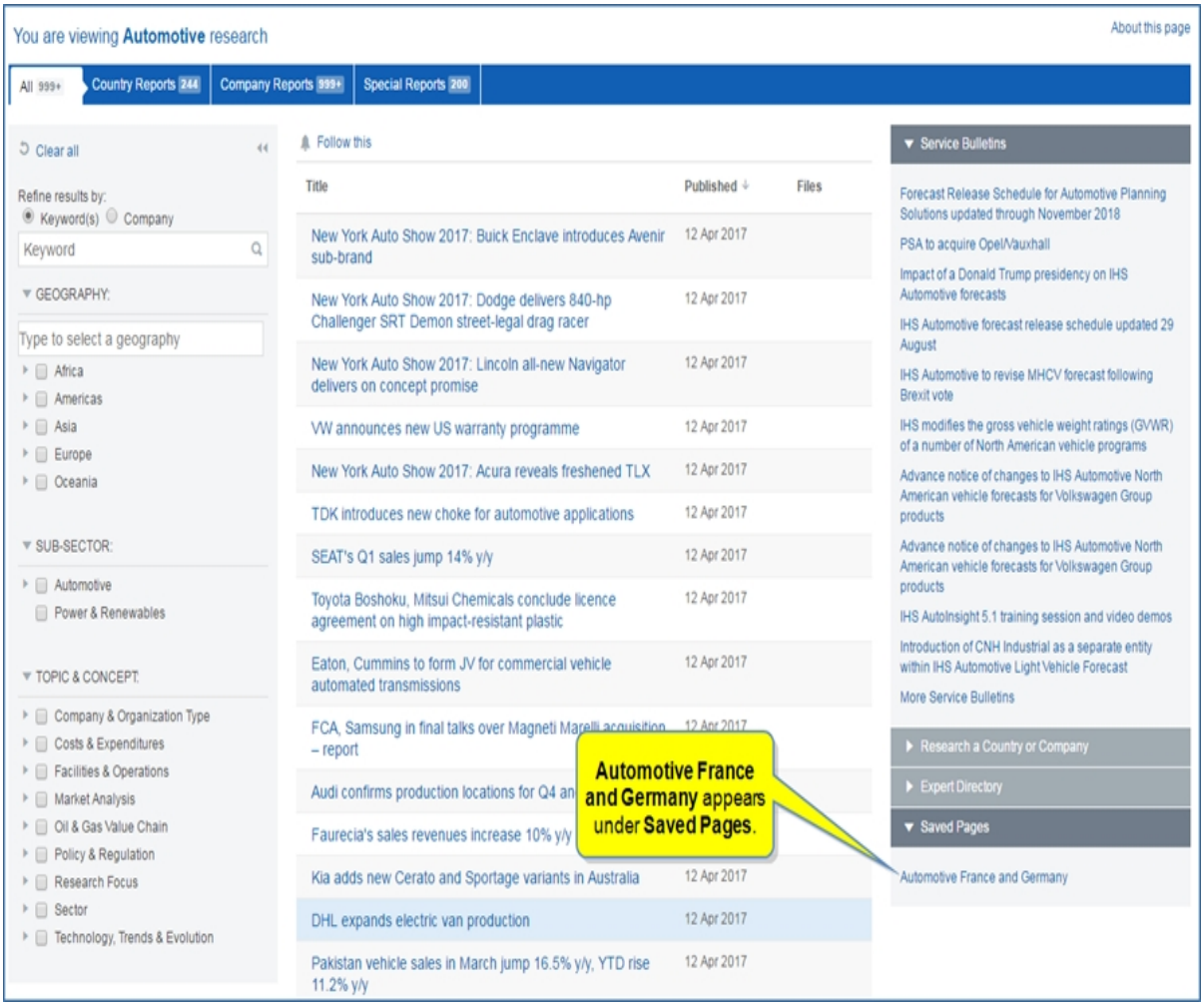
When you click the link, the Expert Directory opens automatically filtered for Automotive.



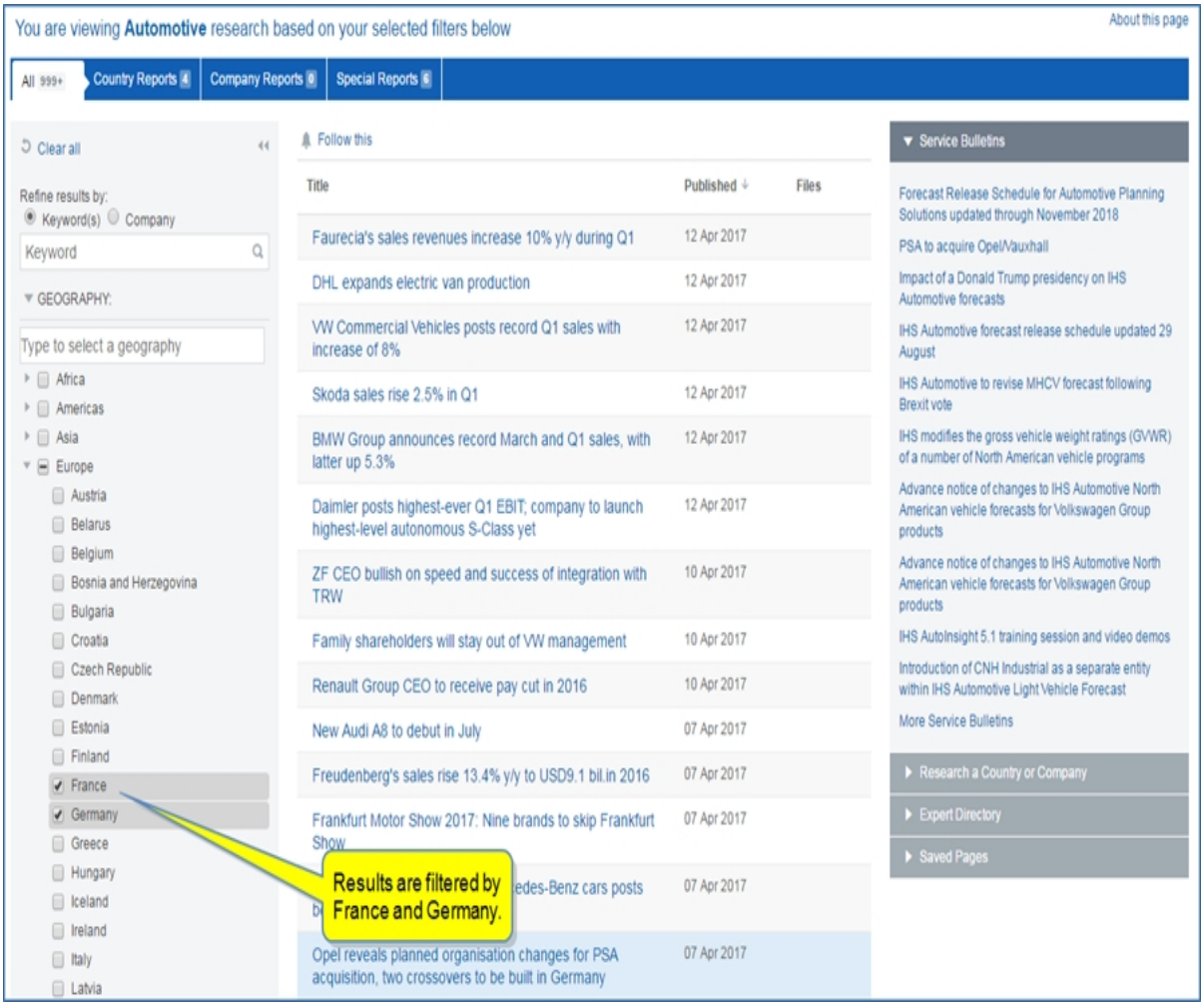
Follow this feature and Saved Pages

The Follow this feature allows you to save a results page with the filters you selected for the results. When you click **Follow this** a ***Follow This Page*** dialog box is displayed where you can name the page, assign it to a folder, and set an email alert. The saved page appears on My Connect and under the **Saved Pages** ribbon on the Automotive research capability page.

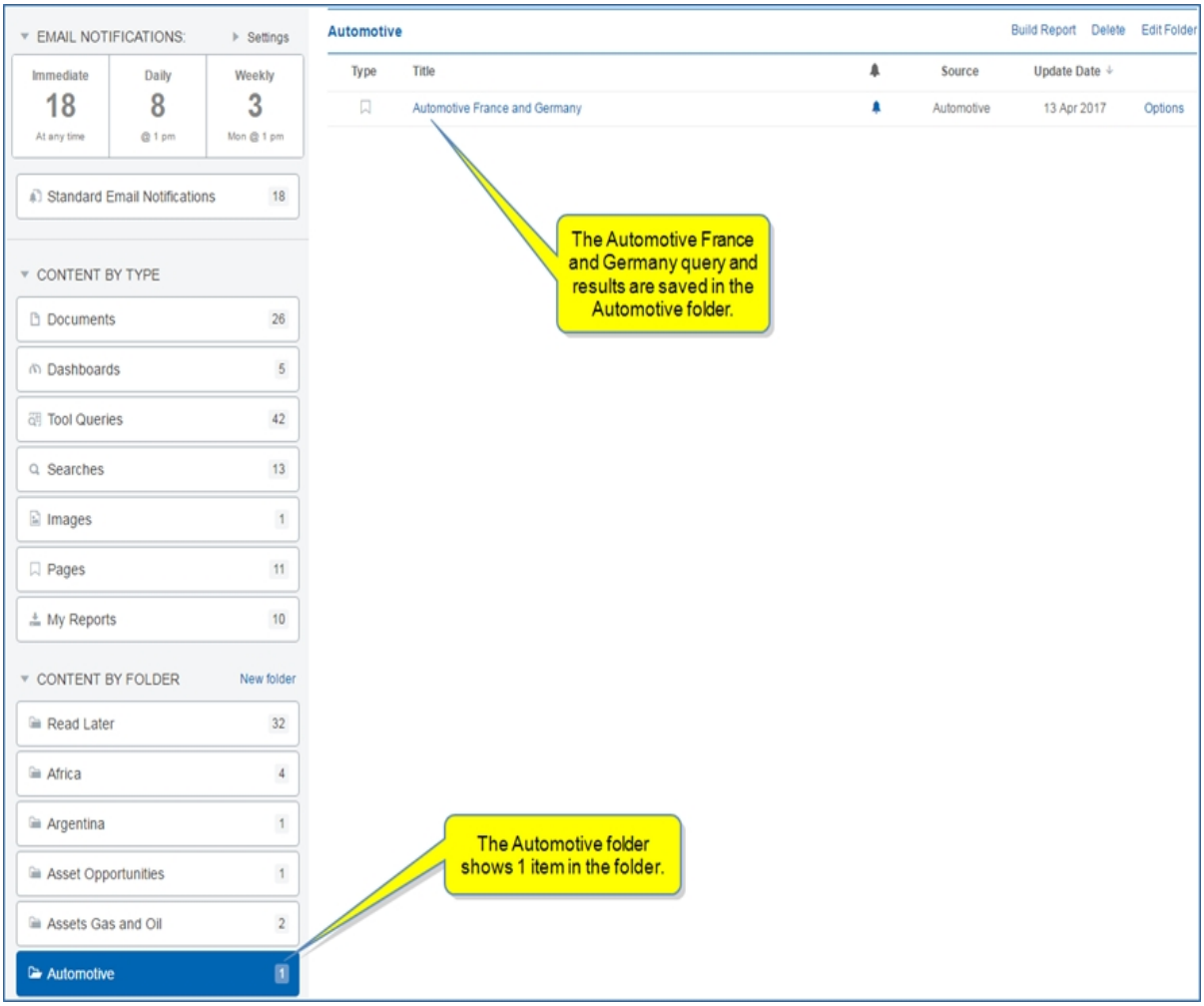
In the following example we see that **Automotive France and Germany** is listed under **Saved Pages**.



When we click **Automotive France and Germany**, the page populates with the search results from that query.



This saved query also appears on My Connect. (When you click the query, the Automotive Research page opens with the saved query and results displayed.)

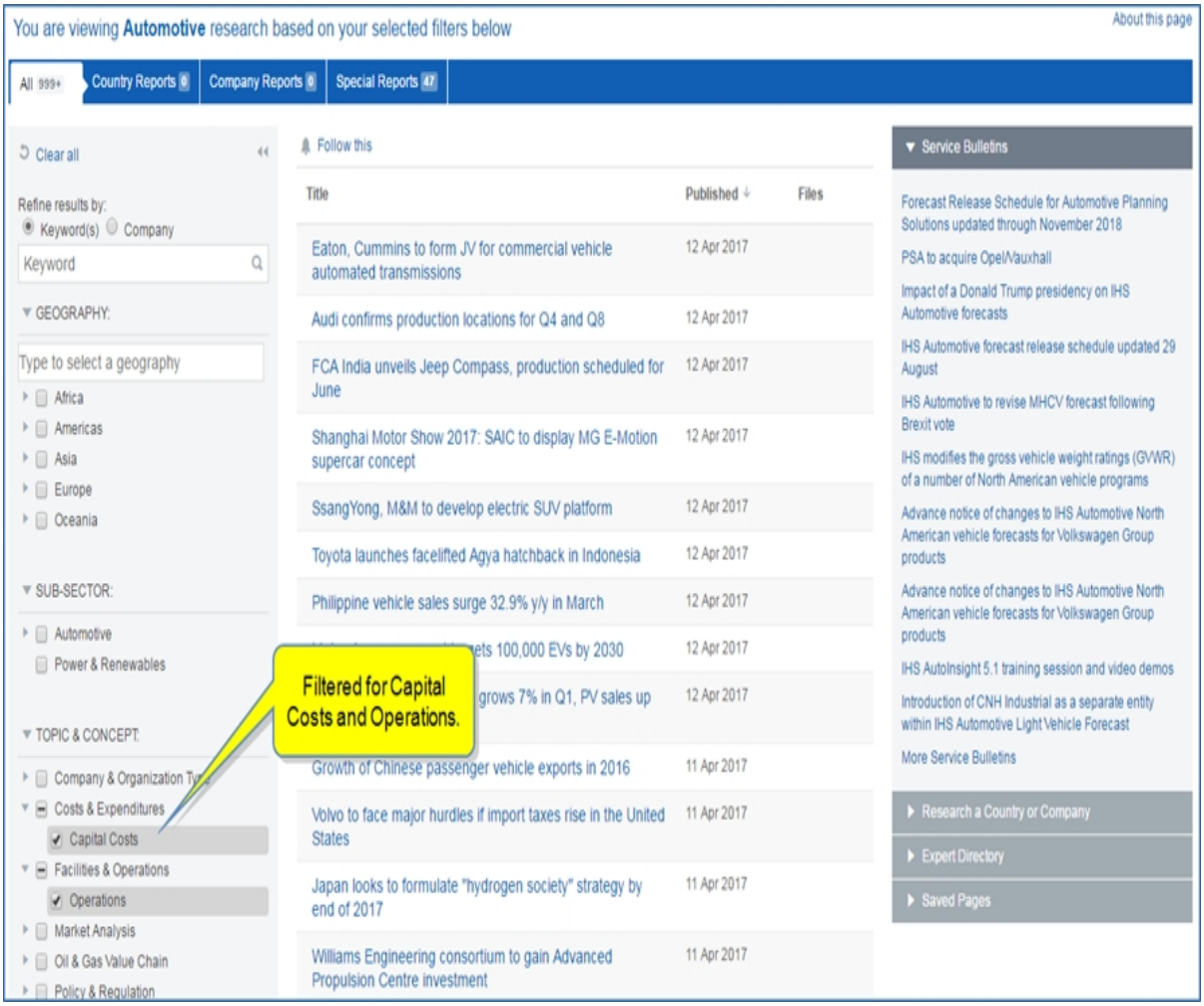


Saving a page using Follow this

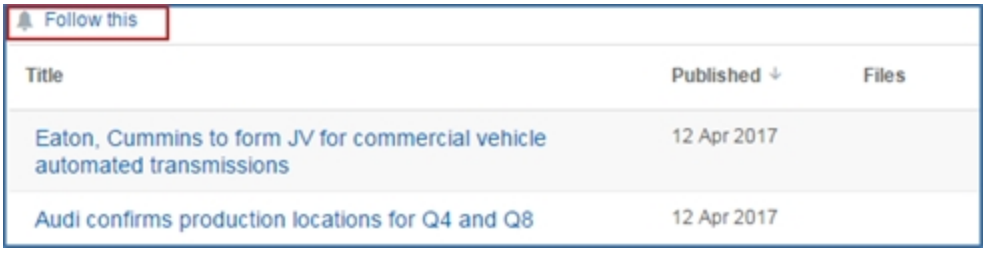
To create a new Saved Page, start on the Automotive Home page and click

under Latest Reports to open the Automotive research capability page.

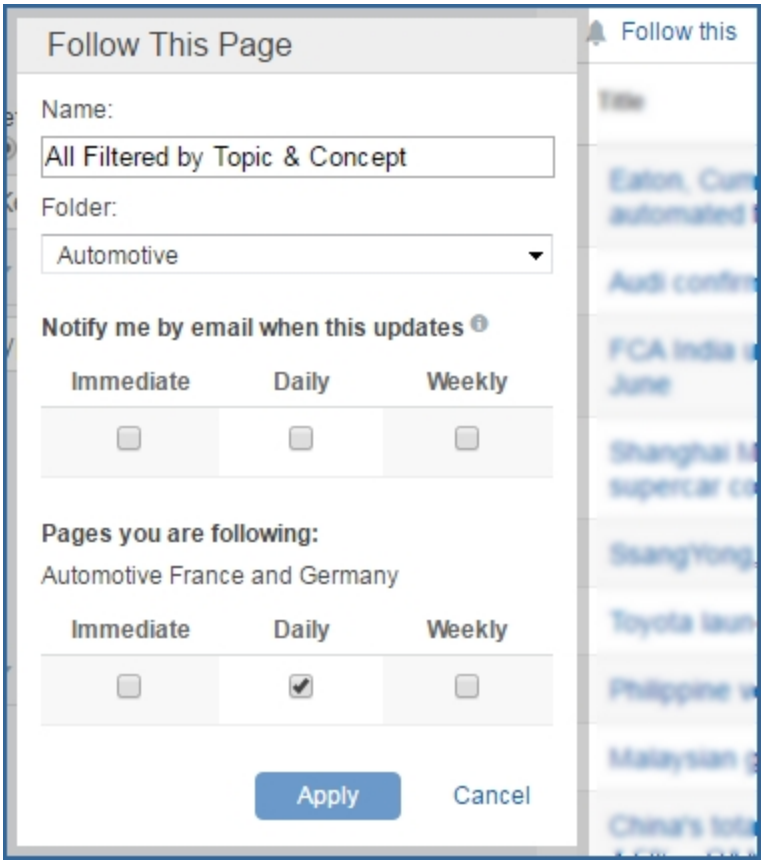
Filter by Capital Costs and Operations under Topic & Concept.



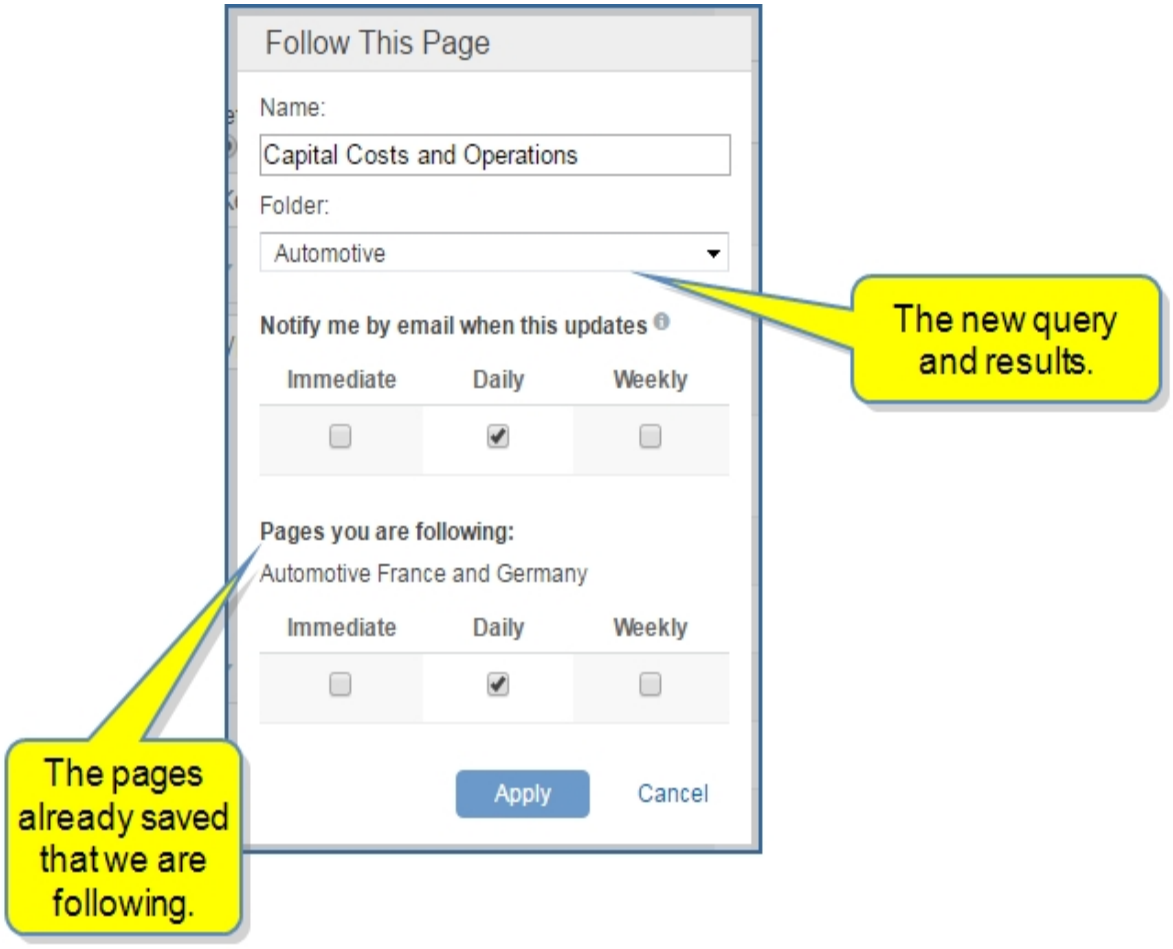
Click the **Follow this** link at the top of the list of reports.



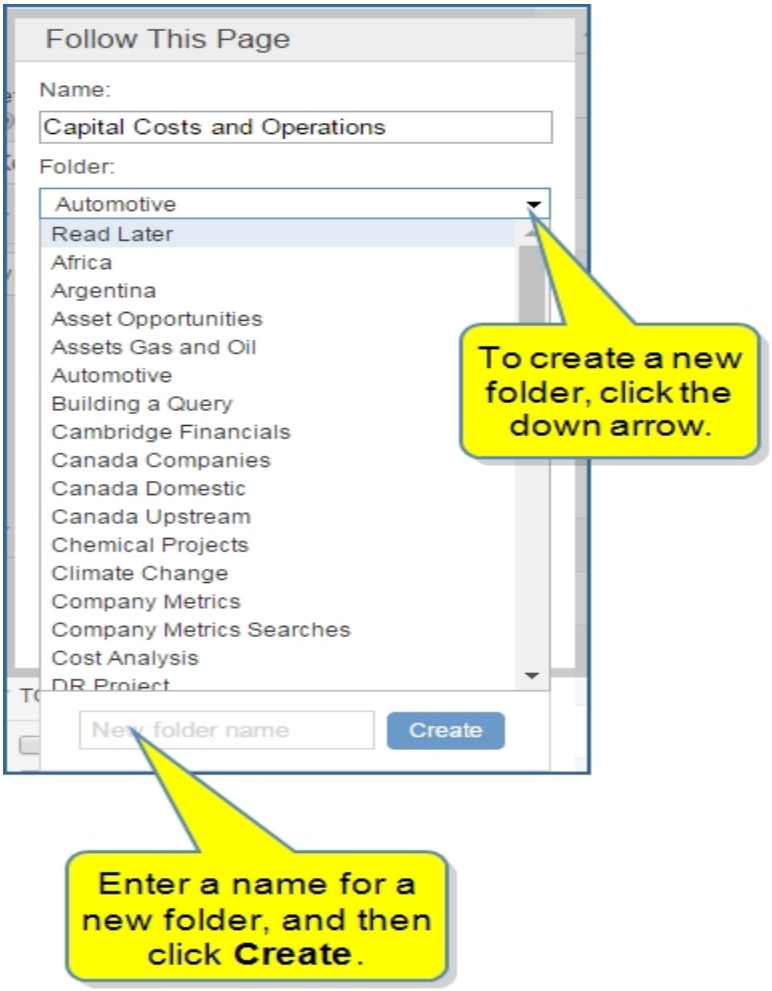
The ***Follow This Page*** dialog box is displayed. "All Filtered by Topic & Concept" appears in the Name field, and the selected folder is "Automotive."

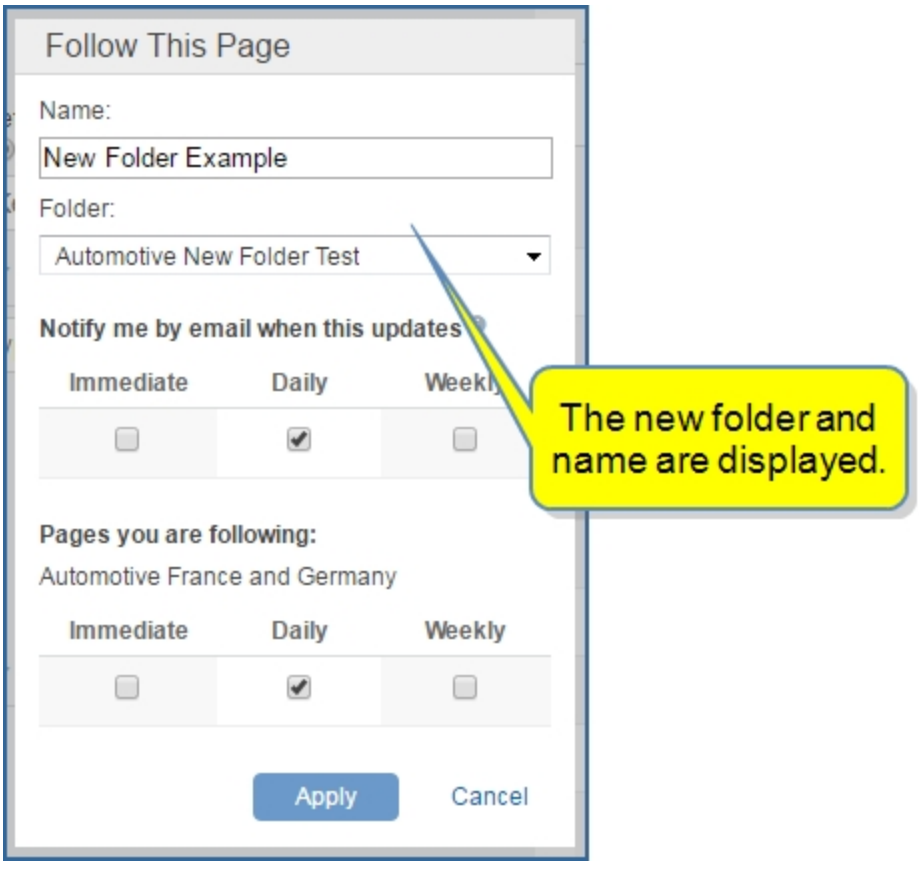


We'll rename the query and results "Capital Costs and Operations" and keep the Automotive filter. In addition, we'll set a **Daily** alert. Below these settings, Connect lists the pages we are already following—Automotive France and Germany—and indicates the Daily alert set. Click **Apply**. The new saved page appears under **Saved Pages** on the Automotive research capability page and on My Connect in the Automotive folder.



To create a new folder, click the down arrow. Enter a name in the New folder name field—we'll enter "Automotive New Folder Test," and we'll change the item name to "New Folder Example." Then click **Create**. Set a **Daily** alert, and then click **Apply**.

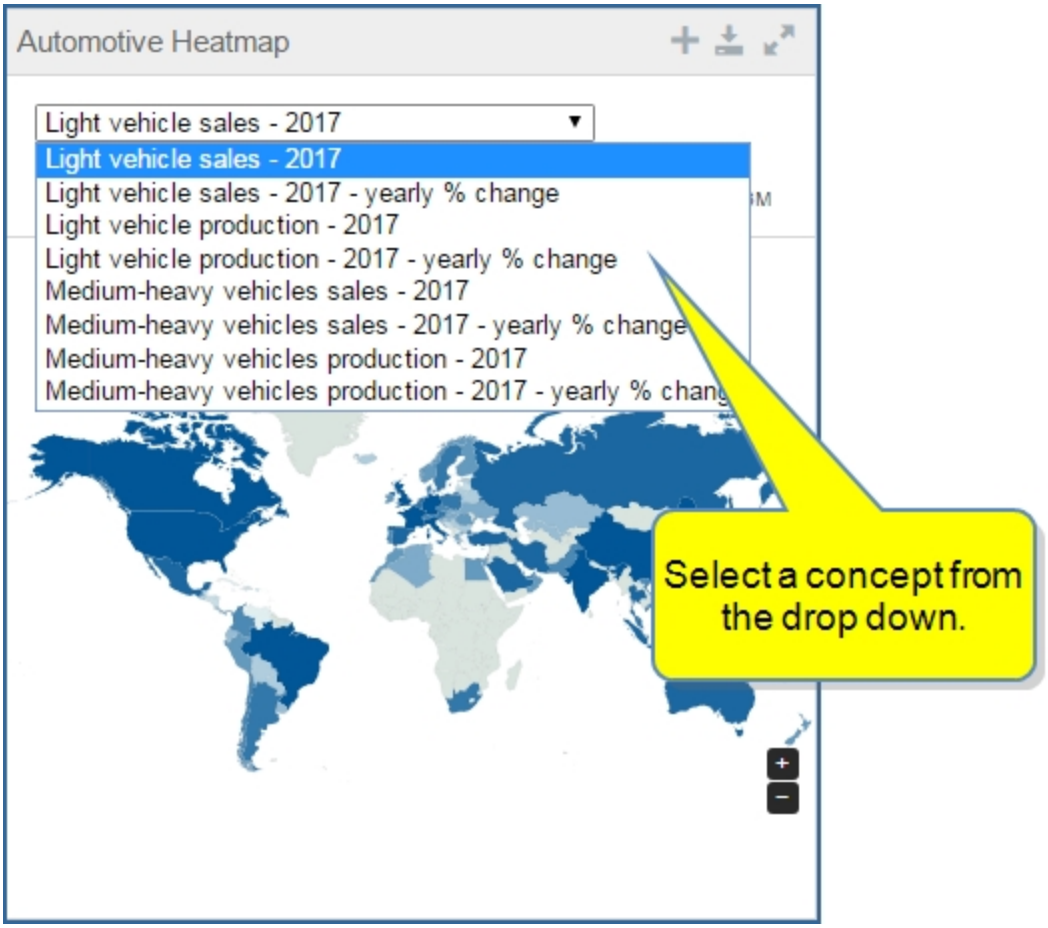

Follow This Page
Name:
Capital Costs and Operations
Folder:
Automotive
Read Later
Africa
Argentina
Asset Opportunities
Assets Gas and Oil
Automotive
Building a Query
Cambridge Financials
Canada Companies
Canada Domestic
Canada Upstream
Chemical Projects
Climate Change
Company Metrics
Company Metrics Searches
Cost Analysis
DR Project
New folder name
Create
To create a new folder, click the down arrow.
Enter a name for a new folder, and then click **Create**.


Follow This Page
Name:
New Folder Example
Folder:
Automotive New Folder Test
Notify me by email when this updates
Immediate
Daily
Weekly
Pages you are following:
Automotive France and Germany
Immediate
Daily
Weekly
Apply
Cancel
The new folder and name are displayed.

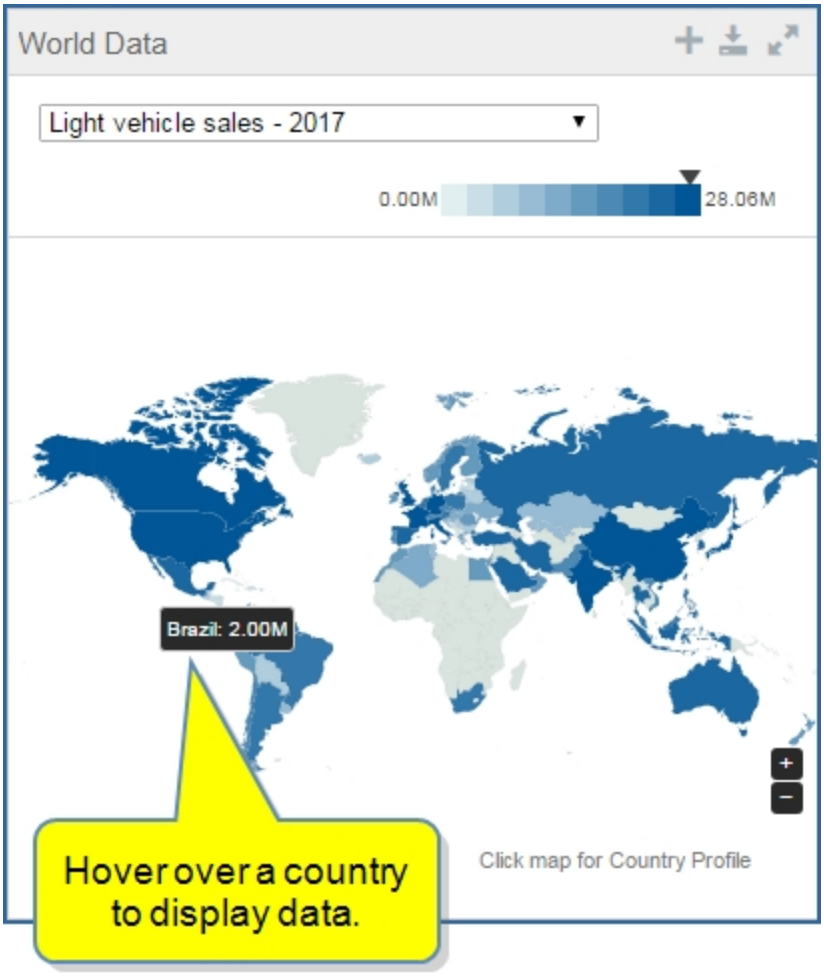
The Automotive France and Germany page and Capital Costs and Operations page are listed under Saved Pages. They are also listed in the Automotive folder on My Connect. In addition, the new folder—Automotive New Folder Test is listed on My Connect and contains New Folder Example.

World Data

The World Data map displays data on a map using a color legend. You can save the map to My Connect, Export to Image, PDF, or PowerPoint, or you can maximize the map to work with a larger view.

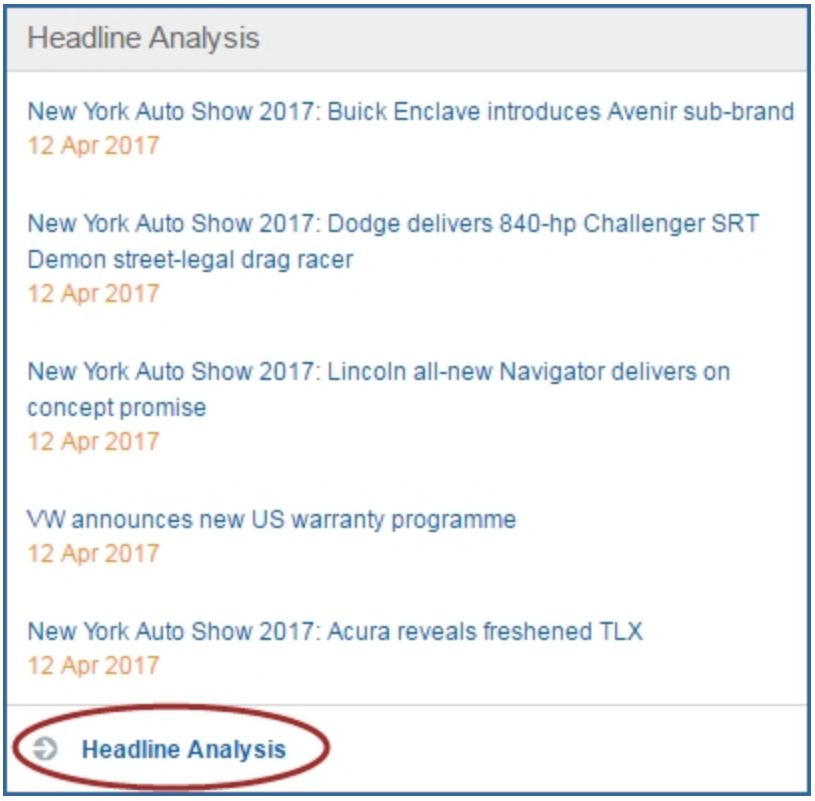


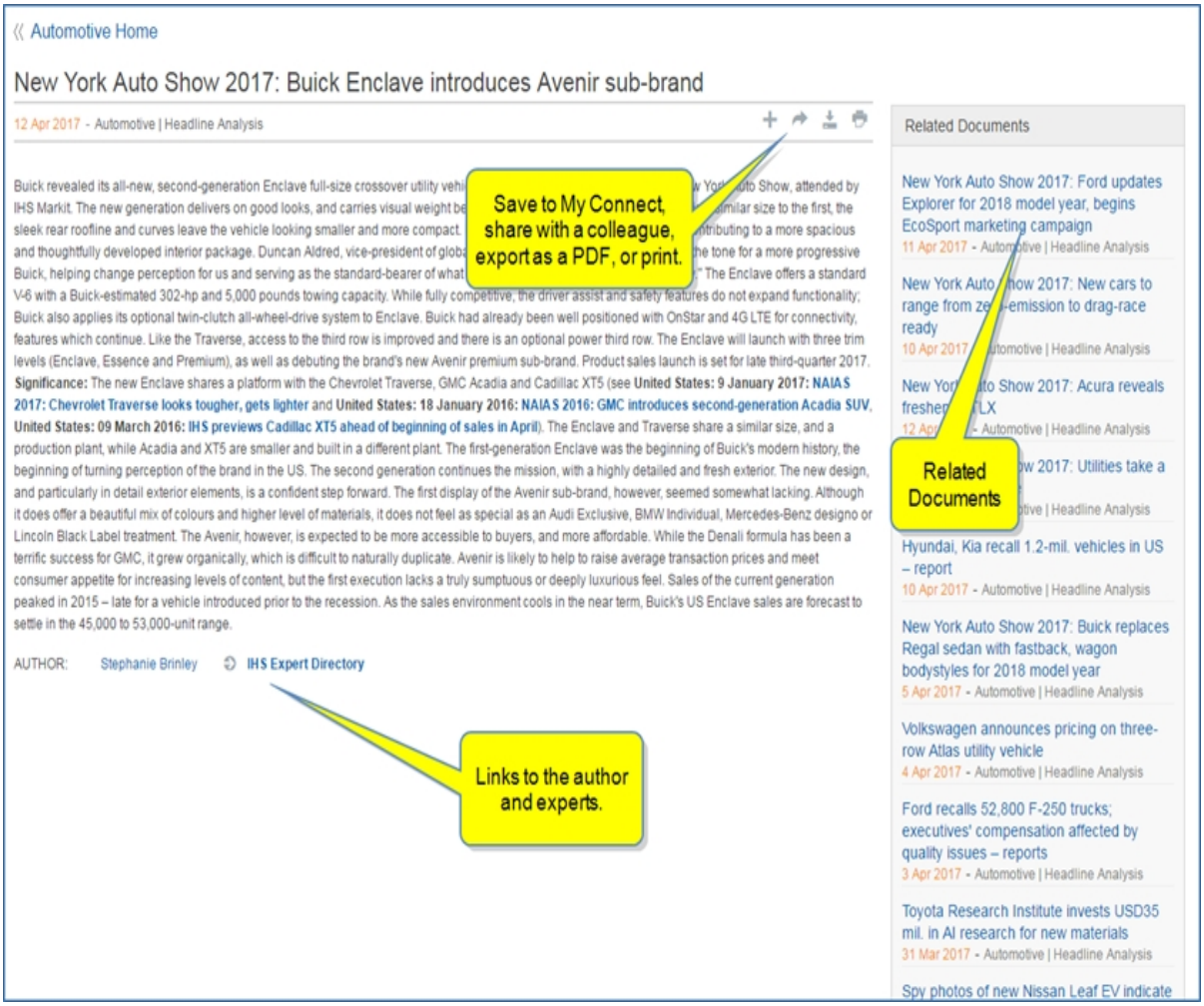
Hover over a country and numerical data is displayed.



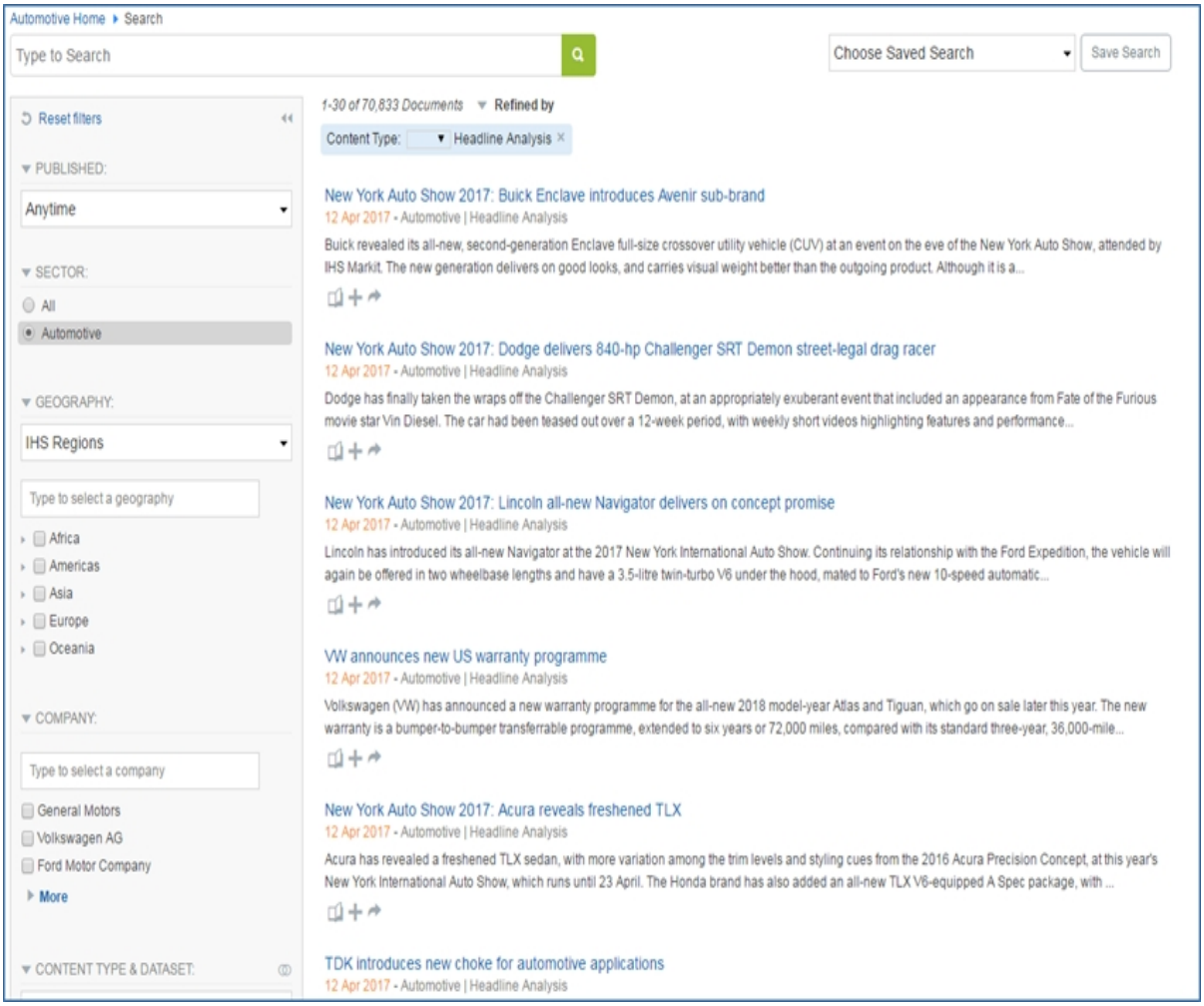
Headline Analysis

Headline Analysis brings you the latest global automotive headlines. Click the title of a headline to open the full article.


Headline Analysis
New York Auto Show 2017: Buick Enclave introduces Avenir sub-brand
12 Apr 2017
New York Auto Show 2017: Dodge delivers 840-hp Challenger SRT Demon street-legal drag racer
12 Apr 2017
New York Auto Show 2017: Lincoln all-new Navigator delivers on concept promise
12 Apr 2017
VW announces new US warranty programme
12 Apr 2017
New York Auto Show 2017: Acura reveals freshened TLX
12 Apr 2017
Headline Analysis


Automotive Home
New York Auto Show 2017: Buick Enclave introduces Avenir sub-brand
12 Apr 2017 - Automotive | Headline Analysis
Save to My Connect, share with a colleague, export as a PDF, or print.
Related Documents
Related Documents
New York Auto Show 2017: Ford updates Explorer for 2018 model year, begins EcoSport marketing campaign
11 Apr 2017 - Automotive | Headline Analysis
New York Auto Show 2017: New cars to range from zero-emission to drag-race ready
10 Apr 2017 - Automotive | Headline Analysis
New York Auto Show 2017: Acura reveals freshened TLX
12 Apr 2017 - Automotive | Headline Analysis
Hyundai, Kia recall 1.2-mil. vehicles in US – report
10 Apr 2017 - Automotive | Headline Analysis
New York Auto Show 2017: Buick replaces Regal sedan with fastback, wagon bodystyles for 2018 model year
5 Apr 2017 - Automotive | Headline Analysis
Volkswagen announces pricing on three-row Atlas utility vehicle
4 Apr 2017 - Automotive | Headline Analysis
Ford recalls 52,800 F-250 trucks; executives' compensation affected by quality issues – reports
3 Apr 2017 - Automotive | Headline Analysis
Toyota Research Institute invests USD35 mil. in AI research for new materials
31 Mar 2017 - Automotive | Headline Analysis
Spy photos of new Nissan Leaf EV indicate
Significance: The new Enclave shares a platform with the Chevrolet Traverse, GMC Acadia and Cadillac XT5 (see United States: 9 January 2017: NAIAS 2017: Chevrolet Traverse looks tougher, gets lighter and United States: 18 January 2016: NAIAS 2016: GMC introduces second-generation Acadia SUV, United States: 09 March 2016: IHS previews Cadillac XT5 ahead of beginning of sales in April).
AUTHOR: Stephanie Brinley IHS Expert Directory
Links to the author and experts.

When you click **Headline Analysis**, the Search page, filtered for Automotive, is displayed.



Special Reports

Special Reports / Strategic Reports and headlines about global automotive reflect special topics and news tagged by automotive authors to draw attention to the content.

Headline Analysis

The Headline Analysis link on the megamenu brings you daily analysis of events impacting the global automotive industry. When you click the link, the Automotive Headline Analysis page is displayed.

The left pane provides a keyword or company search and filters for Geography, Sub-Sector, and Topic & Concept choices. You can hide the filter pane by clicking the double arrows.

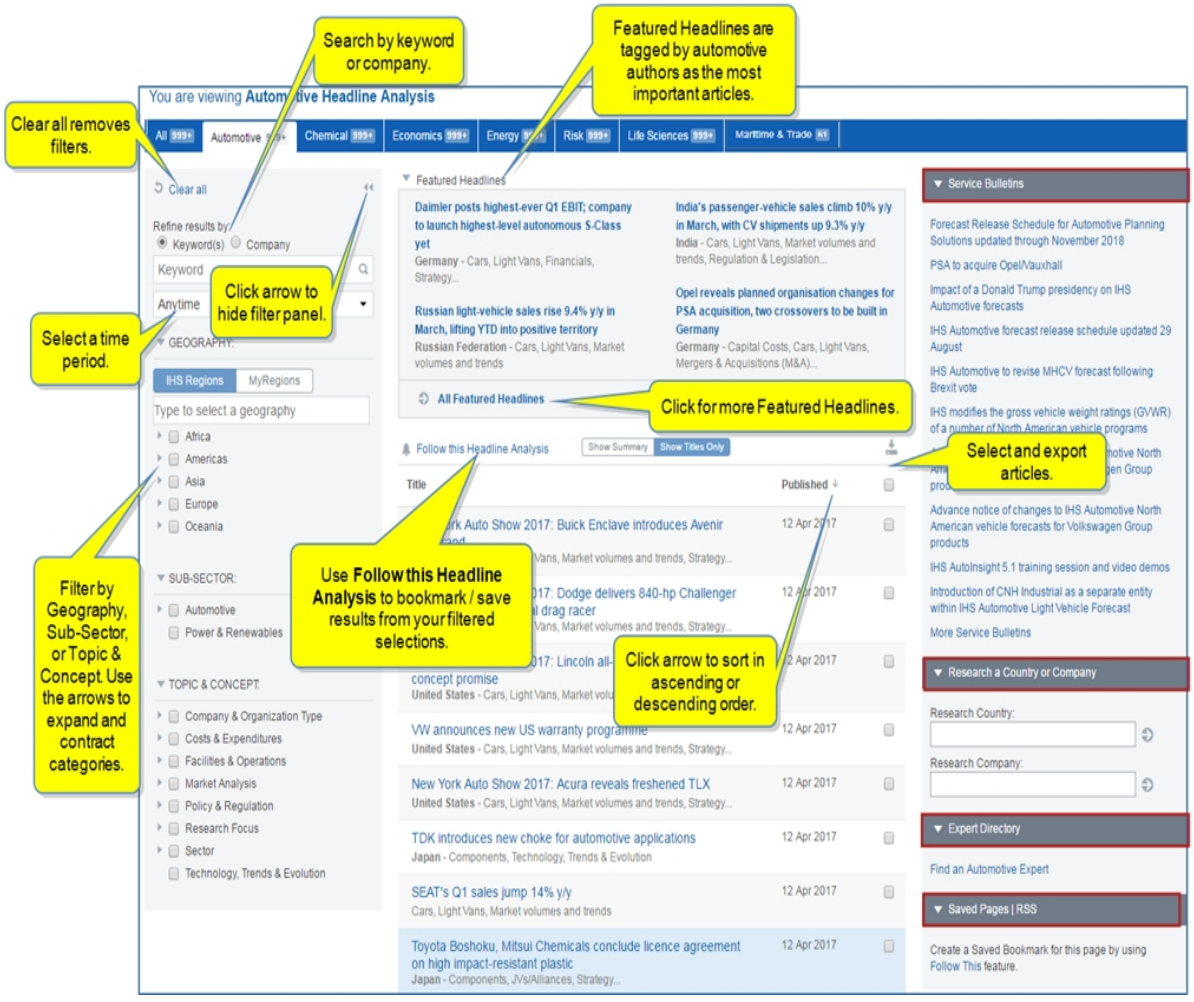
The center pane highlights Featured Headlines that have been flagged by the automotive authors as the most important ones. The **Follow this Headline Analysis** feature and link allows you to save a query and results. The list of regular articles follows. You can choose to **Show Summary** or **Show Titles Only**. You can also

sort the articles by published date in ascending or descending order by clicking the arrow next to Published. Check boxes to the right of the articles allow you to select articles you want to export using the export icon. The first check box selects all the articles. To deselect, click the check box a second time.

The right pane displays a list of Service Bulletins under the Service Bulletins ribbon. Click a title to open the full bulletin. The Research a Country or Company ribbon opens fields to search for a country or company profile. The **Expert Directory** ribbon displays a link to find an automotive expert. The link takes you to the Expert Directory. **Saved Pages** displays the filtered queries for Headline Analysis you are following with the Follow this Headline Analysis feature.

Refer to the following sections for additional information:

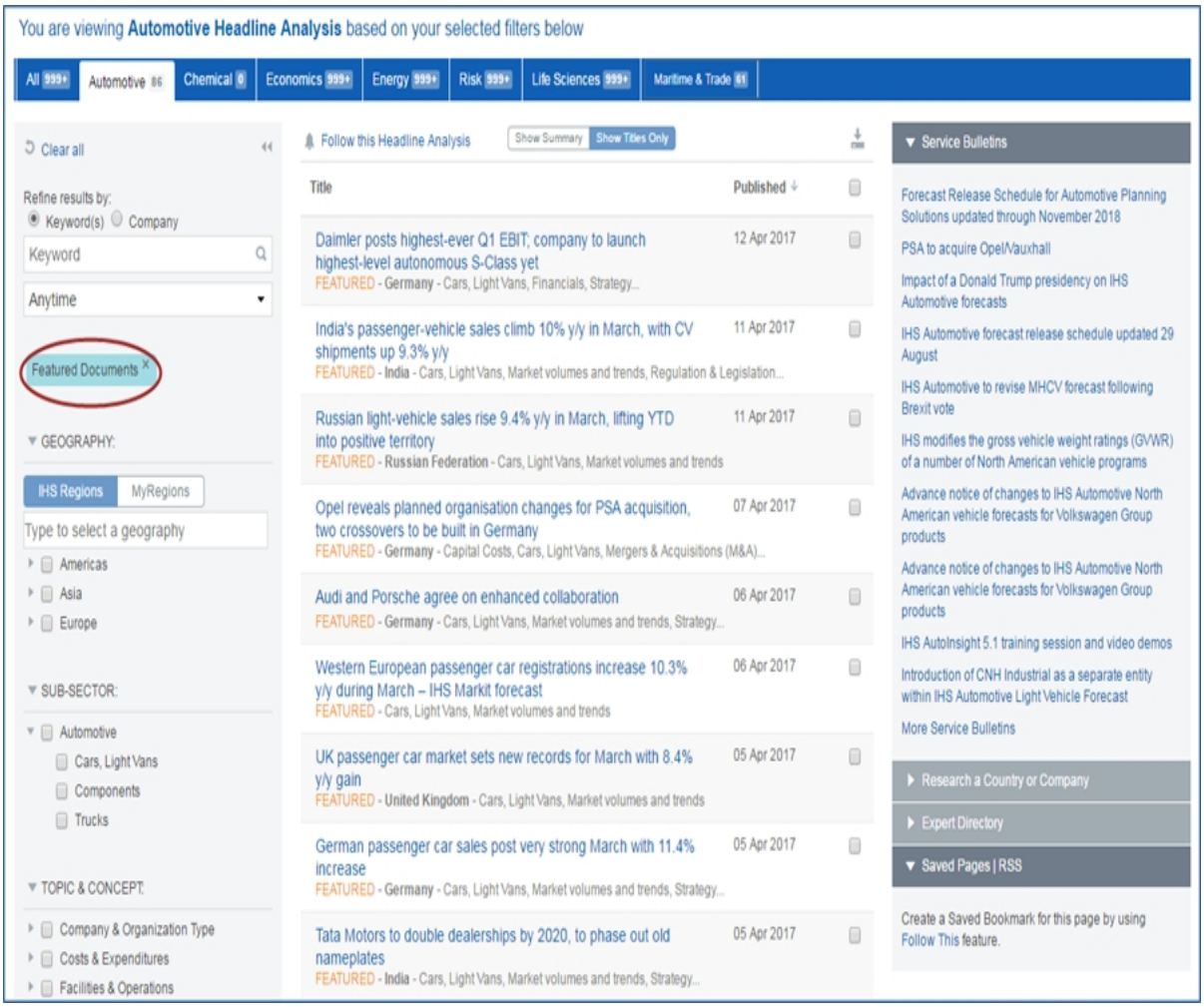
- Featured Headlines
- Follow this Headline Analysis



Featured Headlines

Featured Headlines are headlines tagged by the authors as the most important. To see all Featured Headlines click the

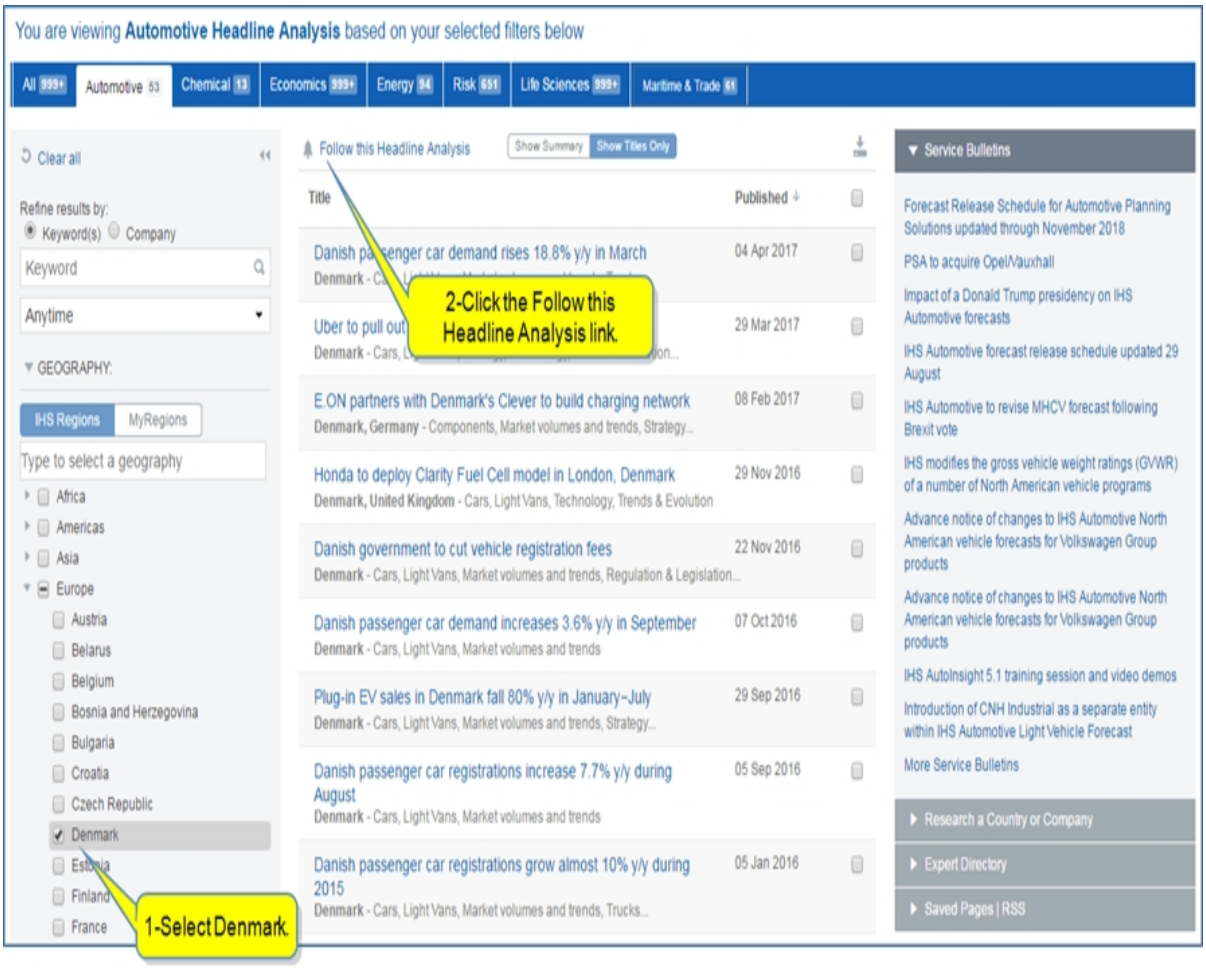
link. Automotive Headline Analysis is displayed filtered for Featured Documents.



Follow this Headline Analysis

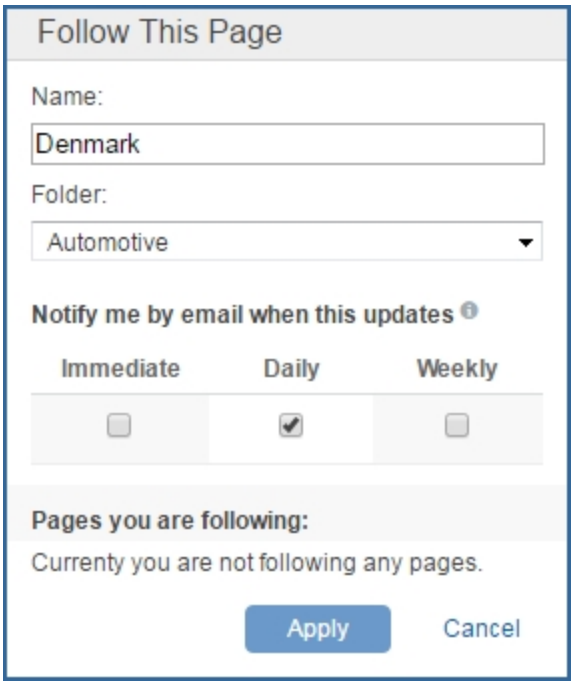
You can bookmark / save any Headline Analysis page. To save the filters and results for a Headline Analysis page, do the following:

1. Select a Geography filter for Denmark.
2. Click **Follow this Headline Analysis**.



The ***Follow This Page*** dialog box is displayed.

3. Enter **Denmark** in the Name field. Select the **Automotive** folder, Set a **Daily** alert.



4. Click **Apply**.

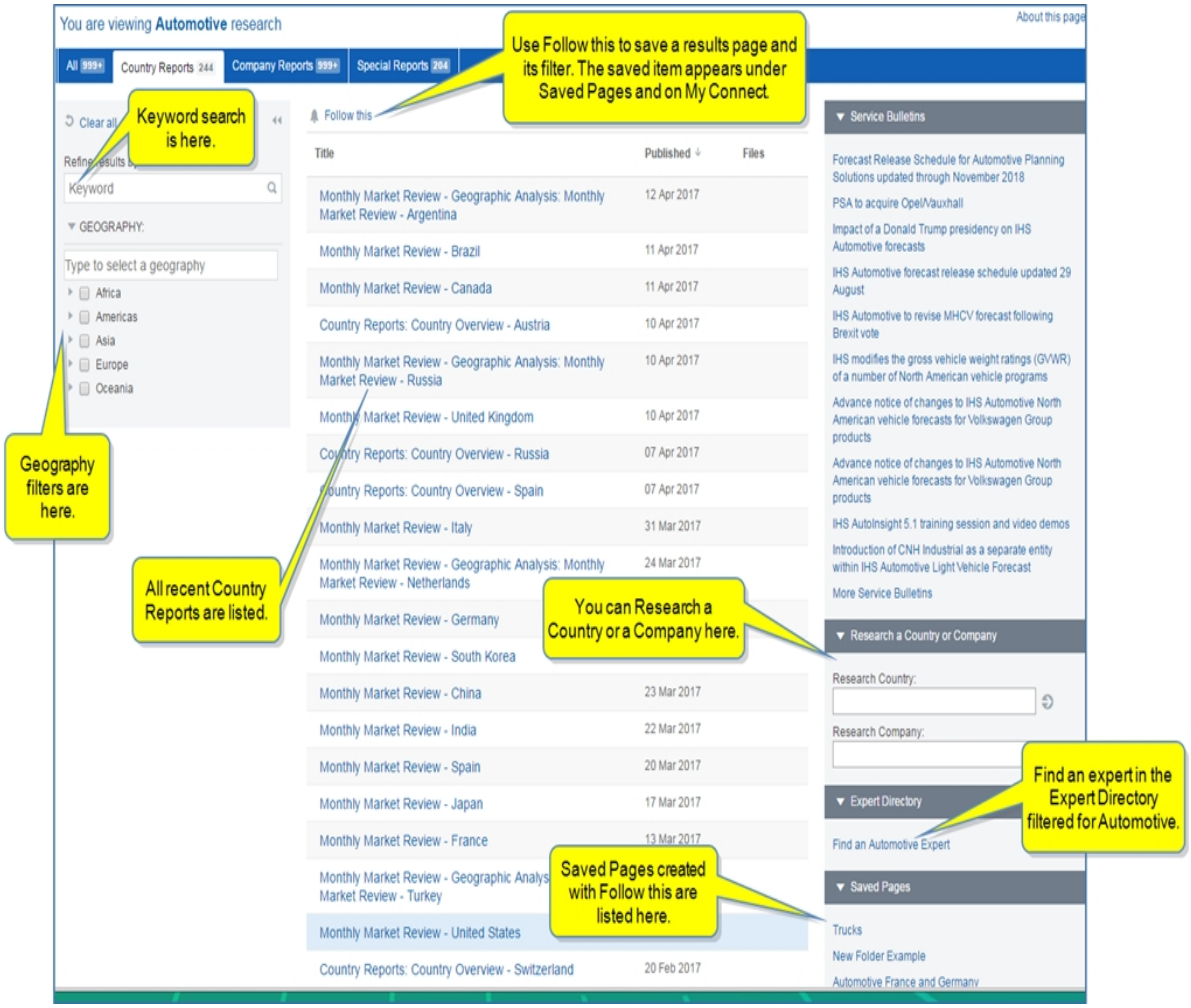
   Denmark is now displayed under **Saved Pages**. Click it to display the Denmark Headline Analysis page.

   Denmark is also saved on My Connect in the Automotive folder. When you select Denmark, the page opens in on the Automotive Headline Analysis page.

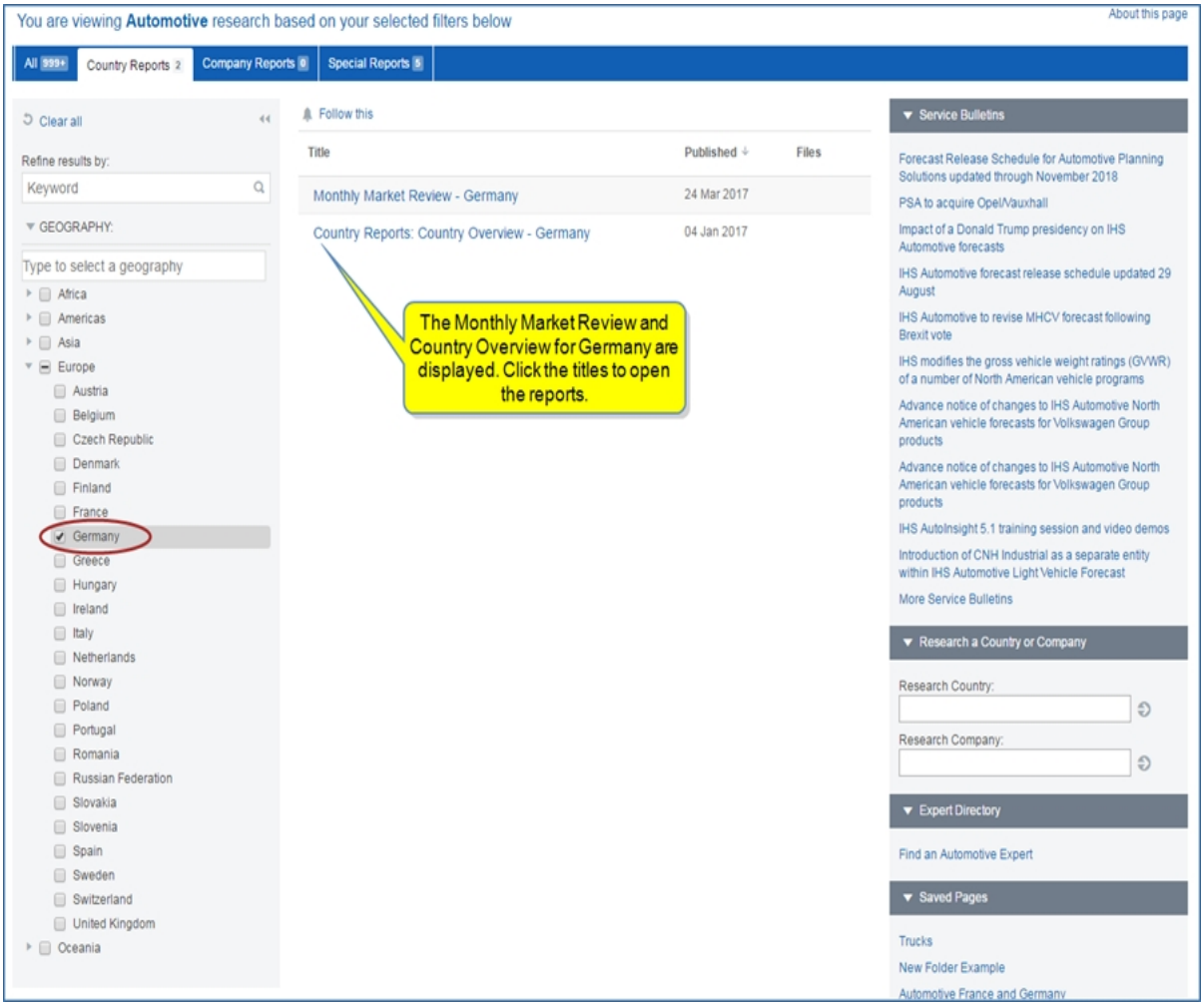
Country Reports

Clicking the **Country Reports** link on the megamenu displays the Country Reports tab on the Automotive research page. All of the country reports are listed. You can refine results with a keyword—type in the country, for example—or select a country from the Geography filter.

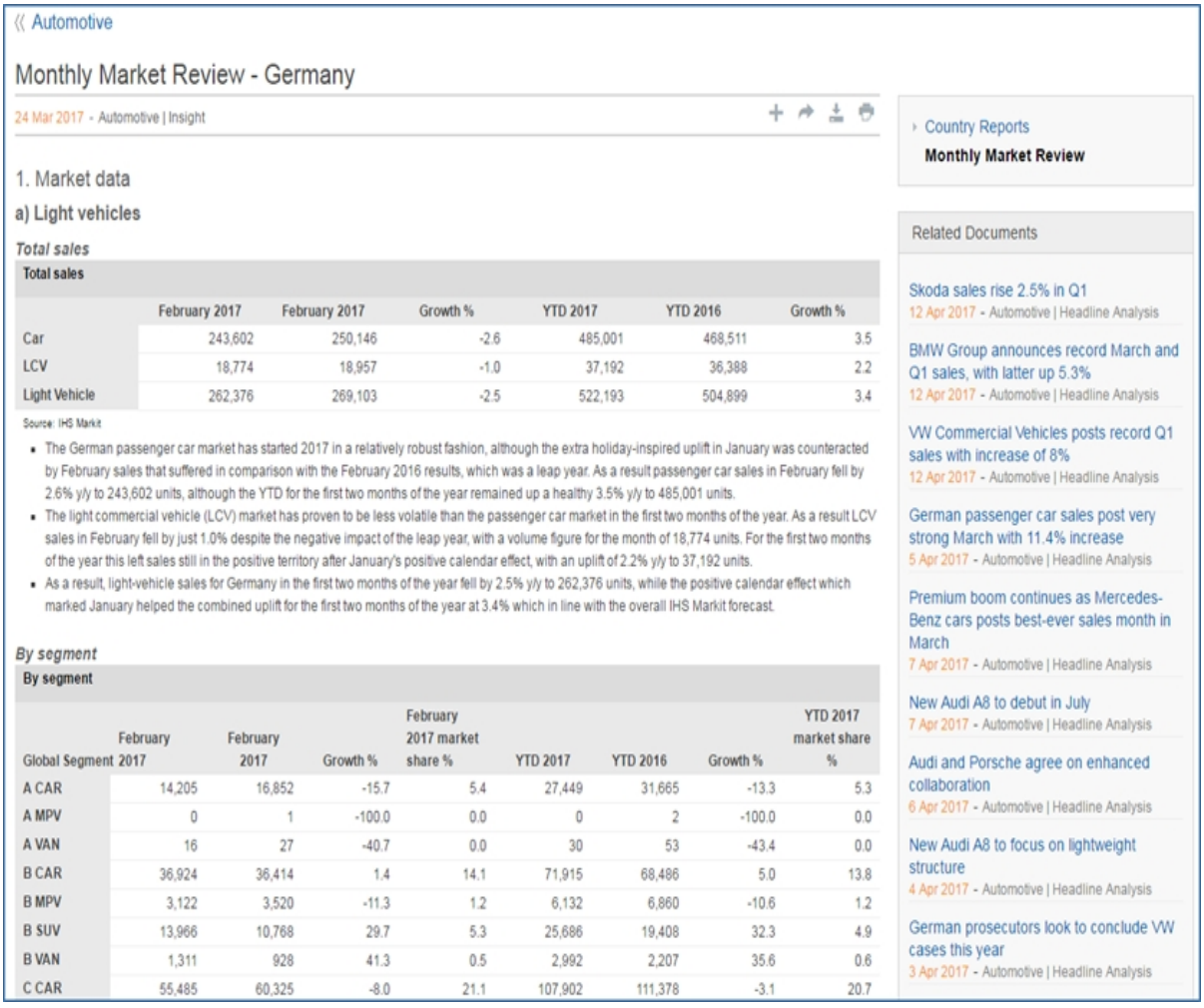
The **Follow this** feature allows you to bookmark / save a search and results. These pages are then displayed under **Saved Pages** and on My Connect. For more information about **Follow this**, see Autointelligence Home and Headline Analysis.



In the following example, we selected Germany as the filter.



Click the title of a report to view the full report.



« Automotive

Monthly Market Review - Germany

24 Mar 2017 - Automotive | Insight

1. Market data

a) Light vehicles

Total sales

Total sales

	February 2017	February 2017	Growth %	YTD 2017	YTD 2016	Growth %
Car	243,602	250,146	-2.6	485,001	468,511	3.5
LCV	18,774	18,957	-1.0	37,192	36,388	2.2
Light Vehicle	262,376	269,103	-2.5	522,193	504,899	3.4

Source: IHS Markit

- The German passenger car market has started 2017 in a relatively robust fashion, although the extra holiday-inspired uplift in January was counteracted by February sales that suffered in comparison with the February 2016 results, which was a leap year. As a result passenger car sales in February fell by 2.6% y/y to 243,602 units, although the YTD for the first two months of the year remained up a healthy 3.5% y/y to 485,001 units.
- The light commercial vehicle (LCV) market has proven to be less volatile than the passenger car market in the first two months of the year. As a result LCV sales in February fell by just 1.0% despite the negative impact of the leap year, with a volume figure for the month of 18,774 units. For the first two months of the year this left sales still in the positive territory after January's positive calendar effect, with an uplift of 2.2% y/y to 37,192 units.
- As a result, light-vehicle sales for Germany in the first two months of the year fell by 2.5% y/y to 262,376 units, while the positive calendar effect which marked January helped the combined uplift for the first two months of the year at 3.4% which in line with the overall IHS Markit forecast.

By segment

By segment

Global Segment	February 2017	February 2017	Growth %	February 2017 market share %	YTD 2017	YTD 2016	Growth %	YTD 2017 market share %
A CAR	14,205	16,852	-15.7	5.4	27,449	31,665	-13.3	5.3
A MPV	0	1	-100.0	0.0	0	2	-100.0	0.0
A VAN	16	27	-40.7	0.0	30	53	-43.4	0.0
B CAR	36,924	36,414	1.4	14.1	71,915	68,486	5.0	13.8
B MPV	3,122	3,520	-11.3	1.2	6,132	6,860	-10.6	1.2
B SUV	13,966	10,768	29.7	5.3	25,686	19,408	32.3	4.9
B VAN	1,311	928	41.3	0.5	2,992	2,207	35.6	0.6
C CAR	55,485	60,325	-8.0	21.1	107,902	111,378	-3.1	20.7

Country Reports

Monthly Market Review

Related Documents

Skoda sales rise 2.5% in Q1
12 Apr 2017 - Automotive | Headline Analysis

BMW Group announces record March and Q1 sales, with latter up 5.3%
12 Apr 2017 - Automotive | Headline Analysis

VW Commercial Vehicles posts record Q1 sales with increase of 8%
12 Apr 2017 - Automotive | Headline Analysis

German passenger car sales post very strong March with 11.4% increase
5 Apr 2017 - Automotive | Headline Analysis

Premium boom continues as Mercedes-Benz cars posts best-ever sales month in March
7 Apr 2017 - Automotive | Headline Analysis

New Audi A8 to debut in July
7 Apr 2017 - Automotive | Headline Analysis

Audi and Porsche agree on enhanced collaboration
6 Apr 2017 - Automotive | Headline Analysis

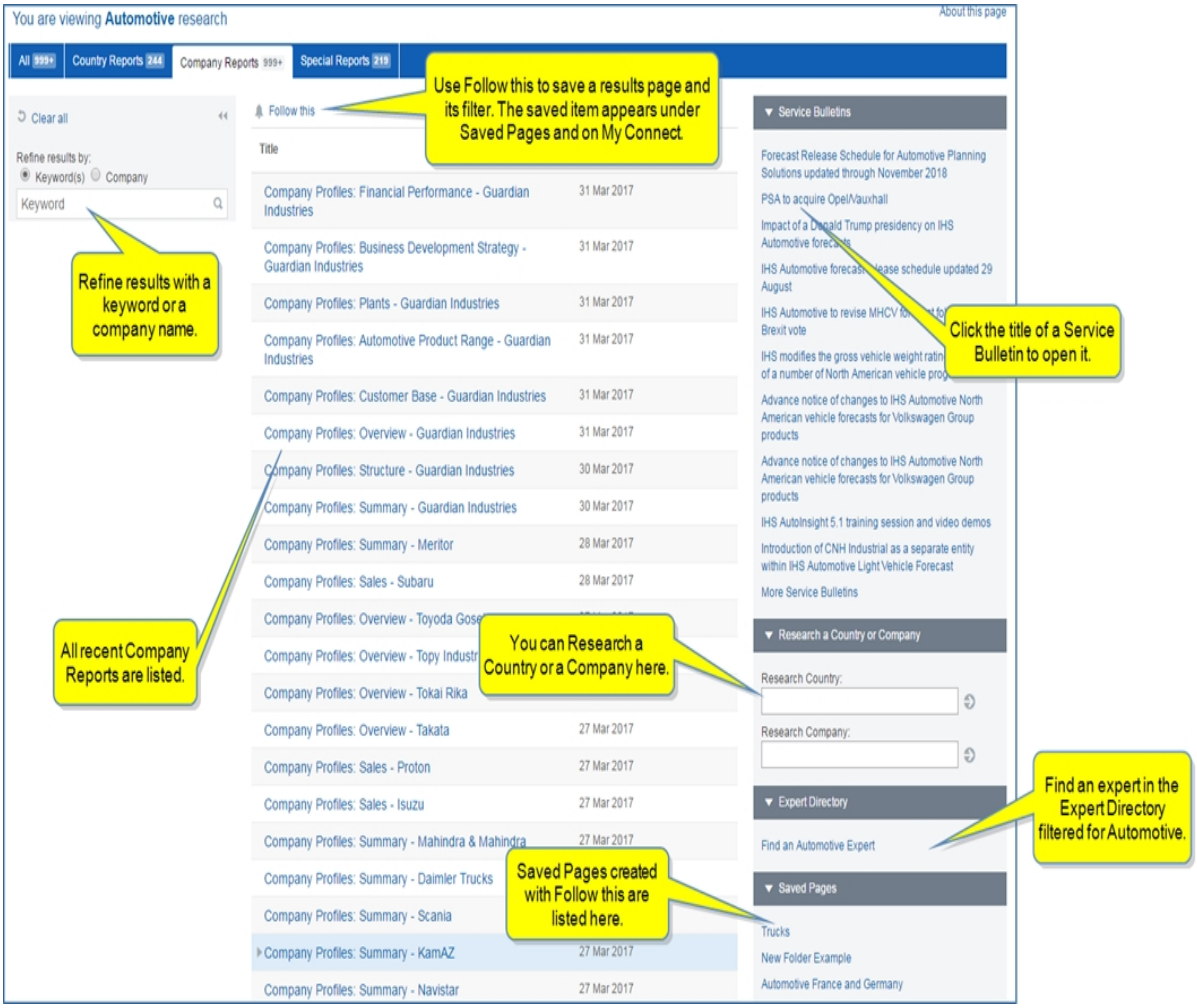
New Audi A8 to focus on lightweight structure
4 Apr 2017 - Automotive | Headline Analysis

German prosecutors look to conclude VW cases this year
3 Apr 2017 - Automotive | Headline Analysis

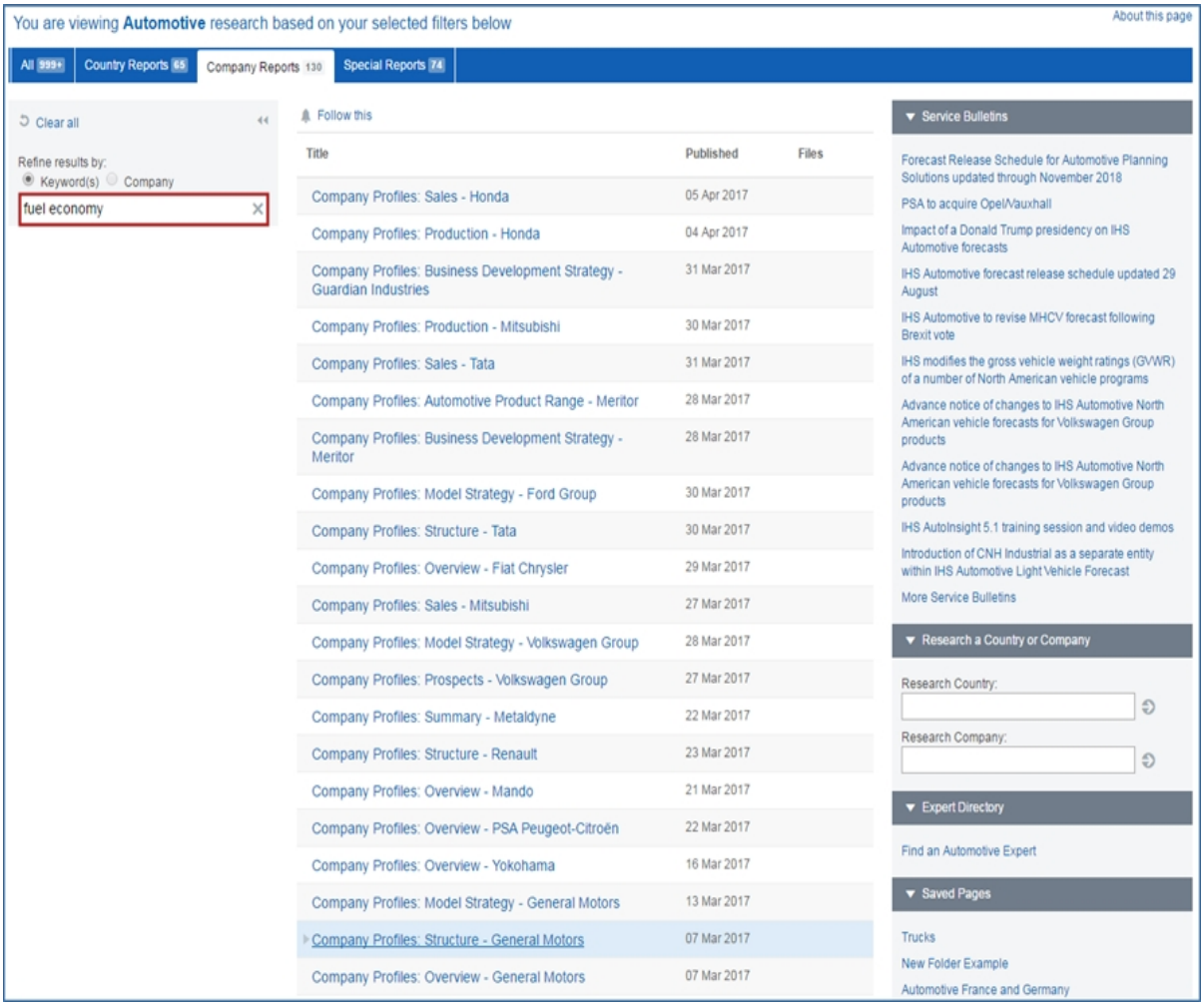
Company Reports

Clicking the **Company Reports** link on the megamenu displays the Country Reports tab on the Automotive research page. All of the country reports are listed. You can refine results with a keyword or company name.

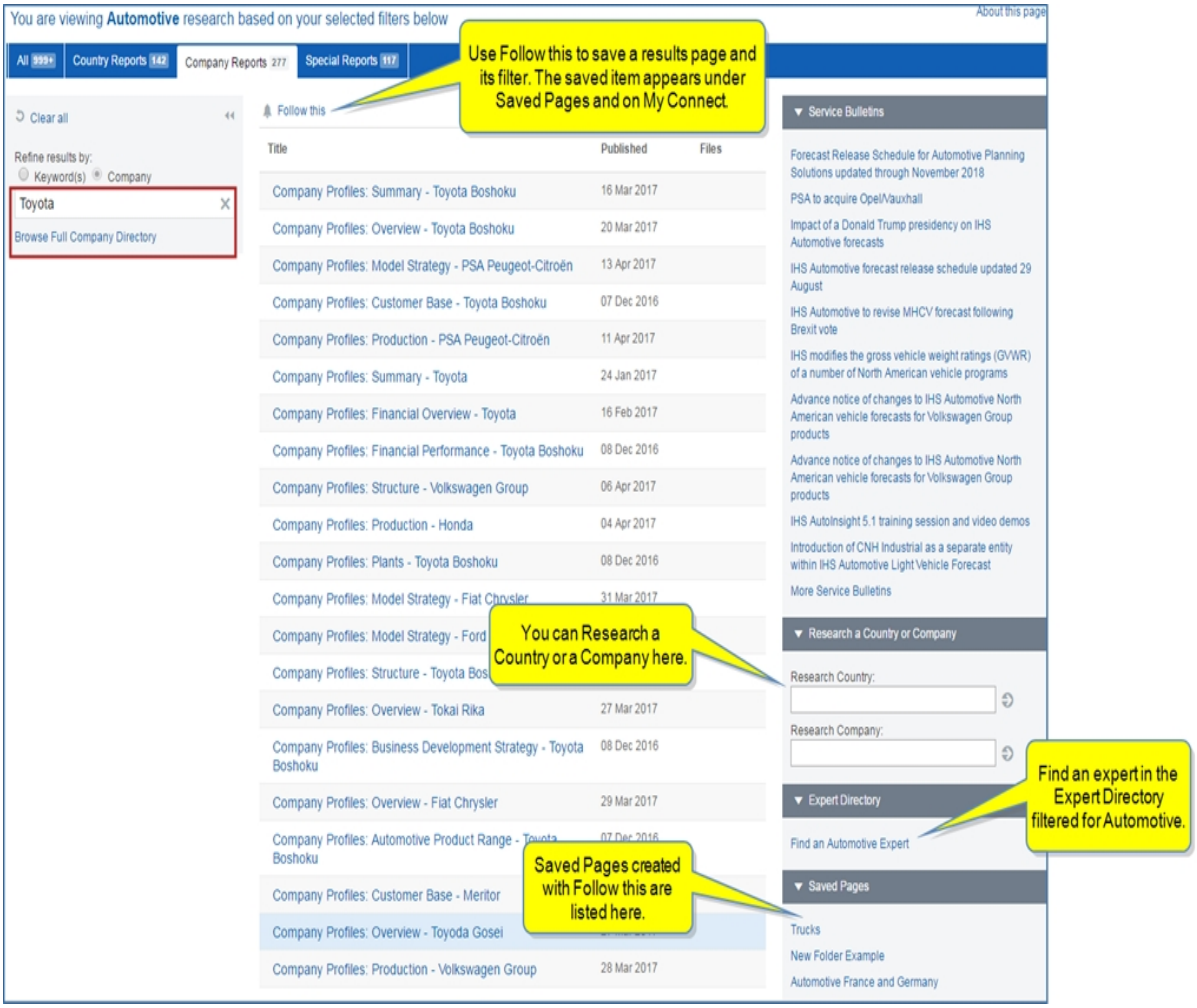
The **Follow this** feature allows you to bookmark / save a search and results. These pages are then displayed under **Saved Pages** and on My Connect. For more information about **Follow this**, see Autointelligence Home and Headline Analysis.



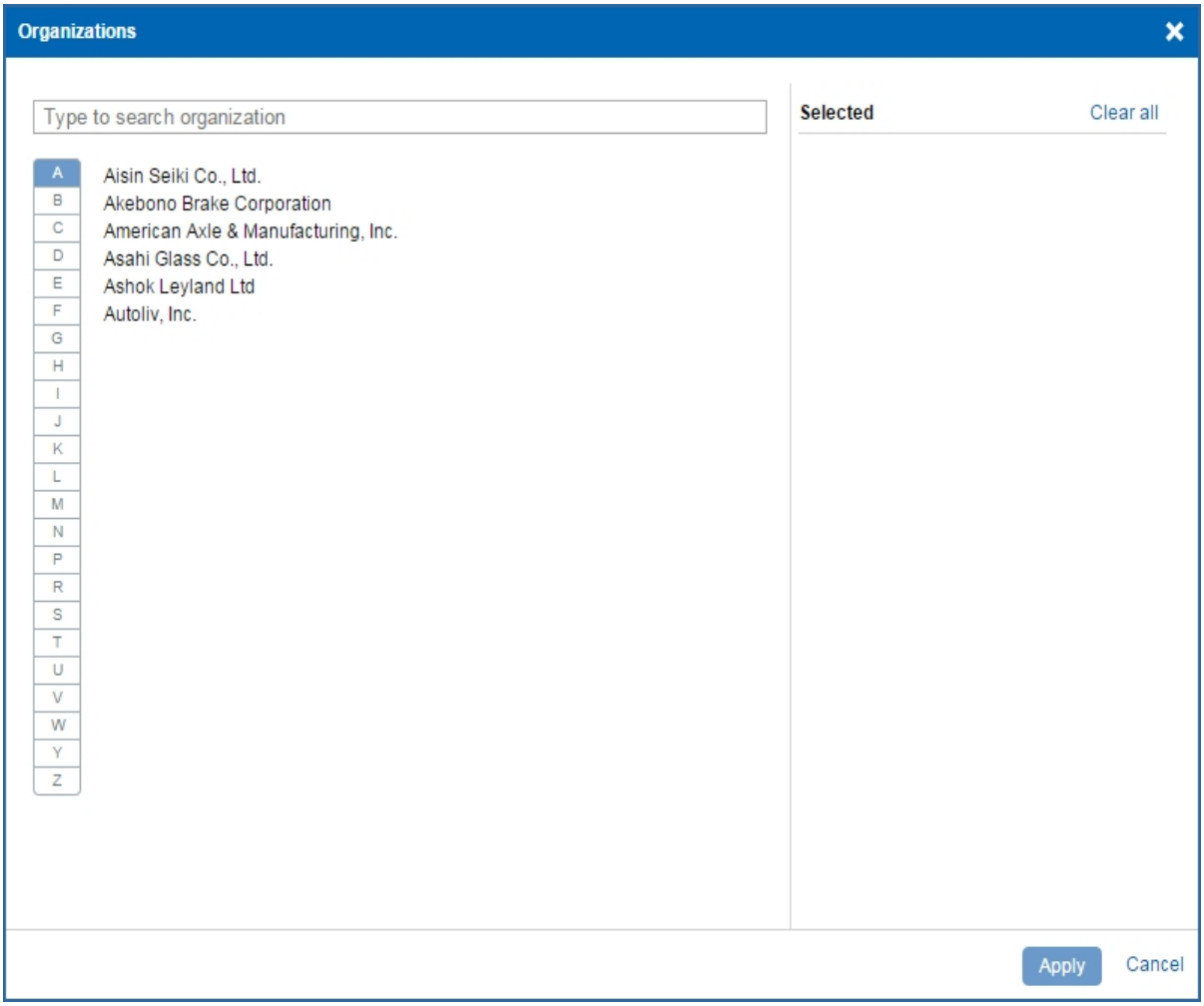
In the following example, we searched with the keywords "fuel economy." The following company profiles are displayed.



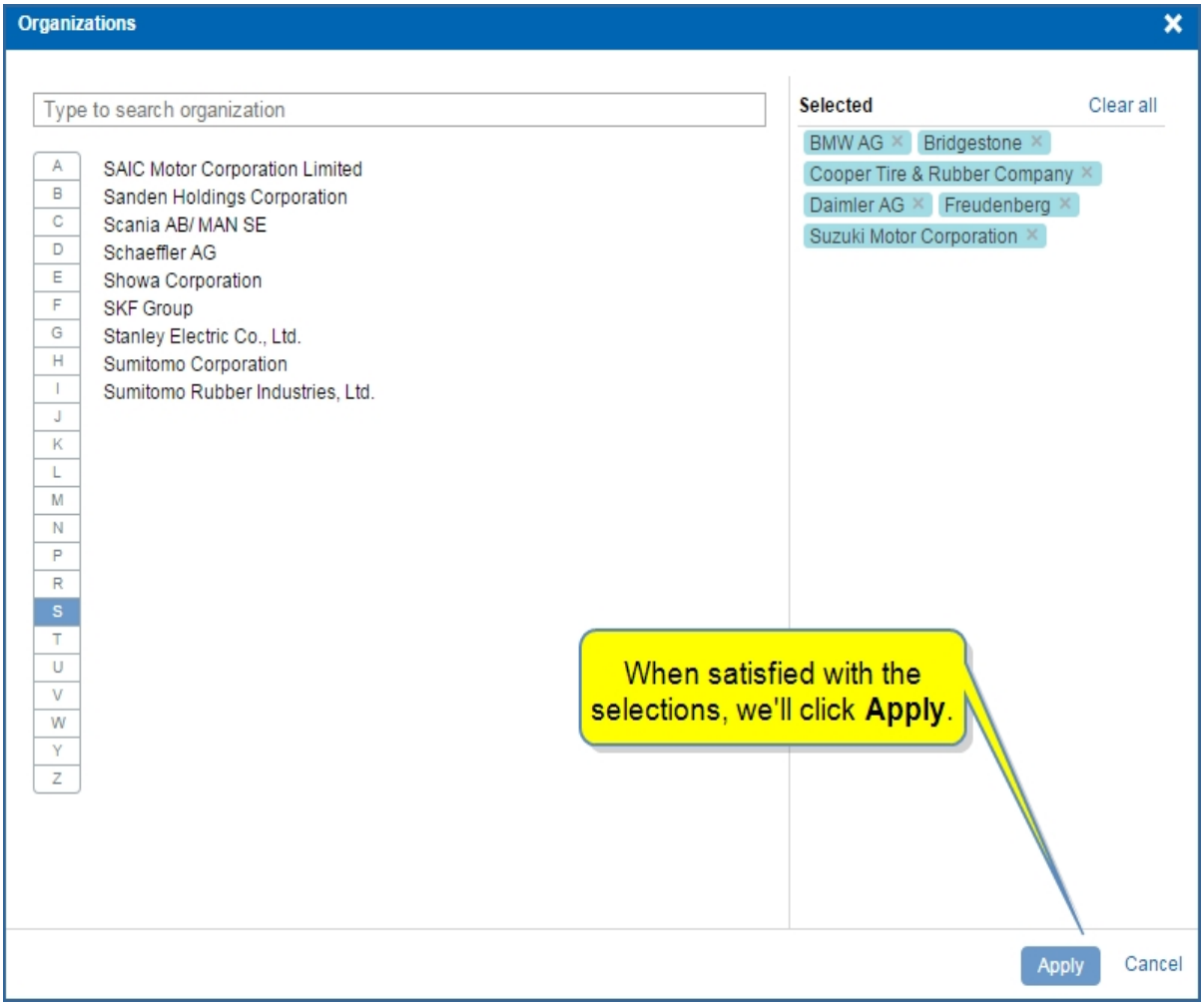
The next example shows a Company search for Toyota. We can enter **Toyota** in the Company field or click **Browse Full Company Directory**. Search results from the keyword Toyota list the company profiles.



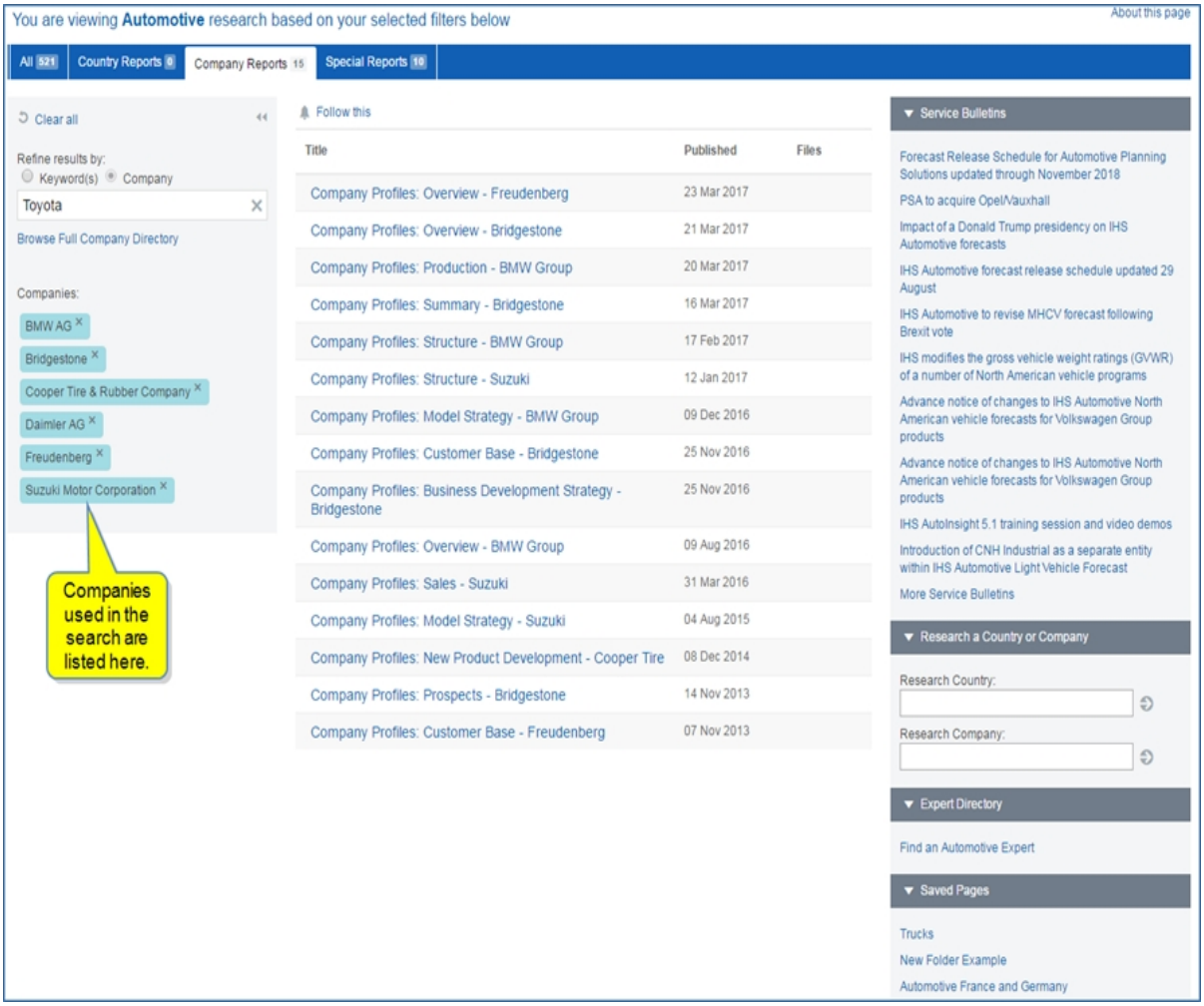
The third example illustrates using the **Browse Full Company Directory**. When you click the browse link, the ***Organizations*** dialog box is displayed. You can enter a keyword for a company or browse through the alphabet list to view company names.



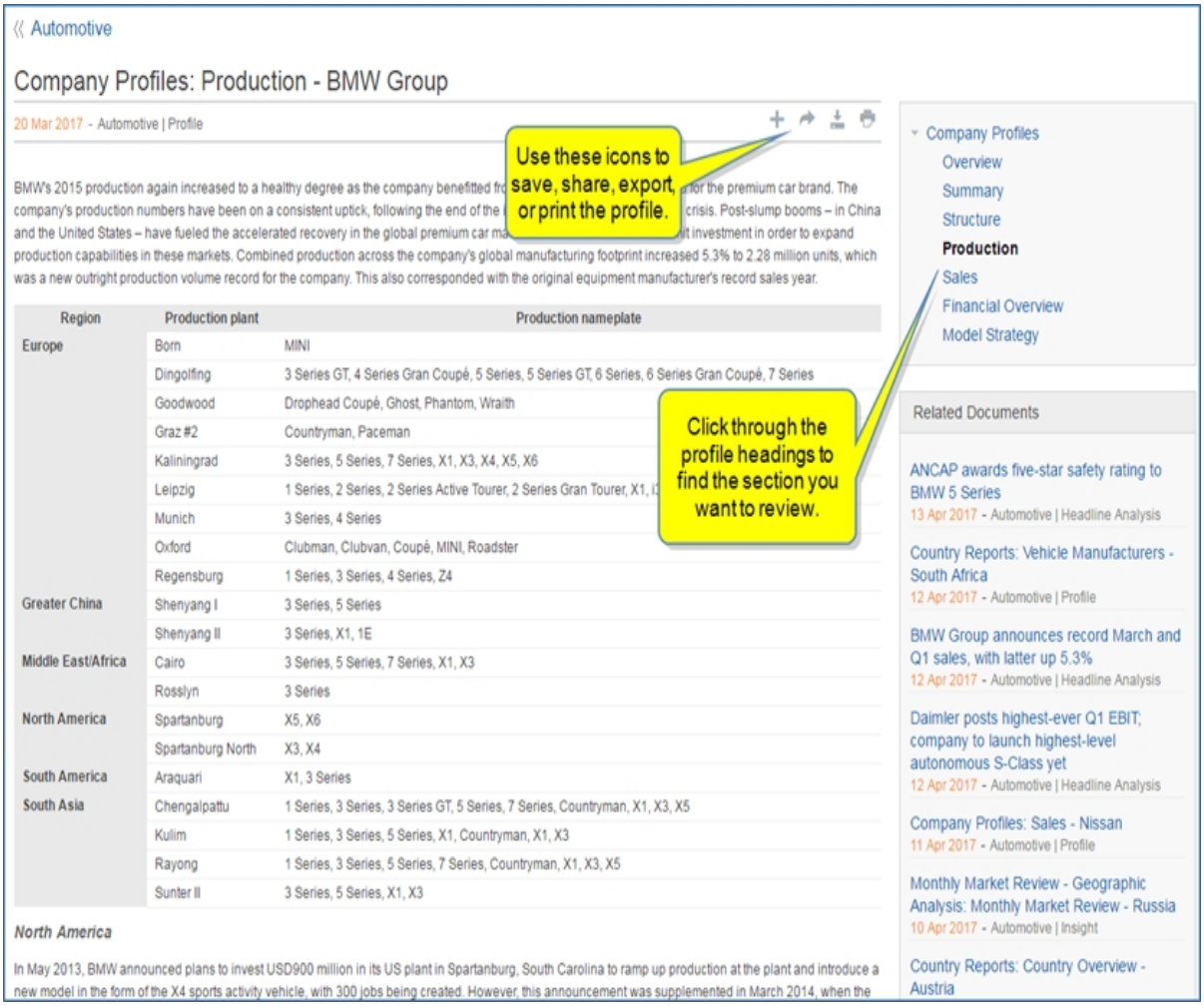
We'll browse and select several companies. When we click the company name, it moves to the Selected panel. We can select Clear all to remove companies from the Selected panel as we redo the list. After we're satisfied with the Selected list, we'll click **Apply**.



The search results are displayed with the selected companies listed in the left pane. We can click the X to delete any of the company filters from the list, and the list regenerates.



Click a company in the results list to display the company profile.

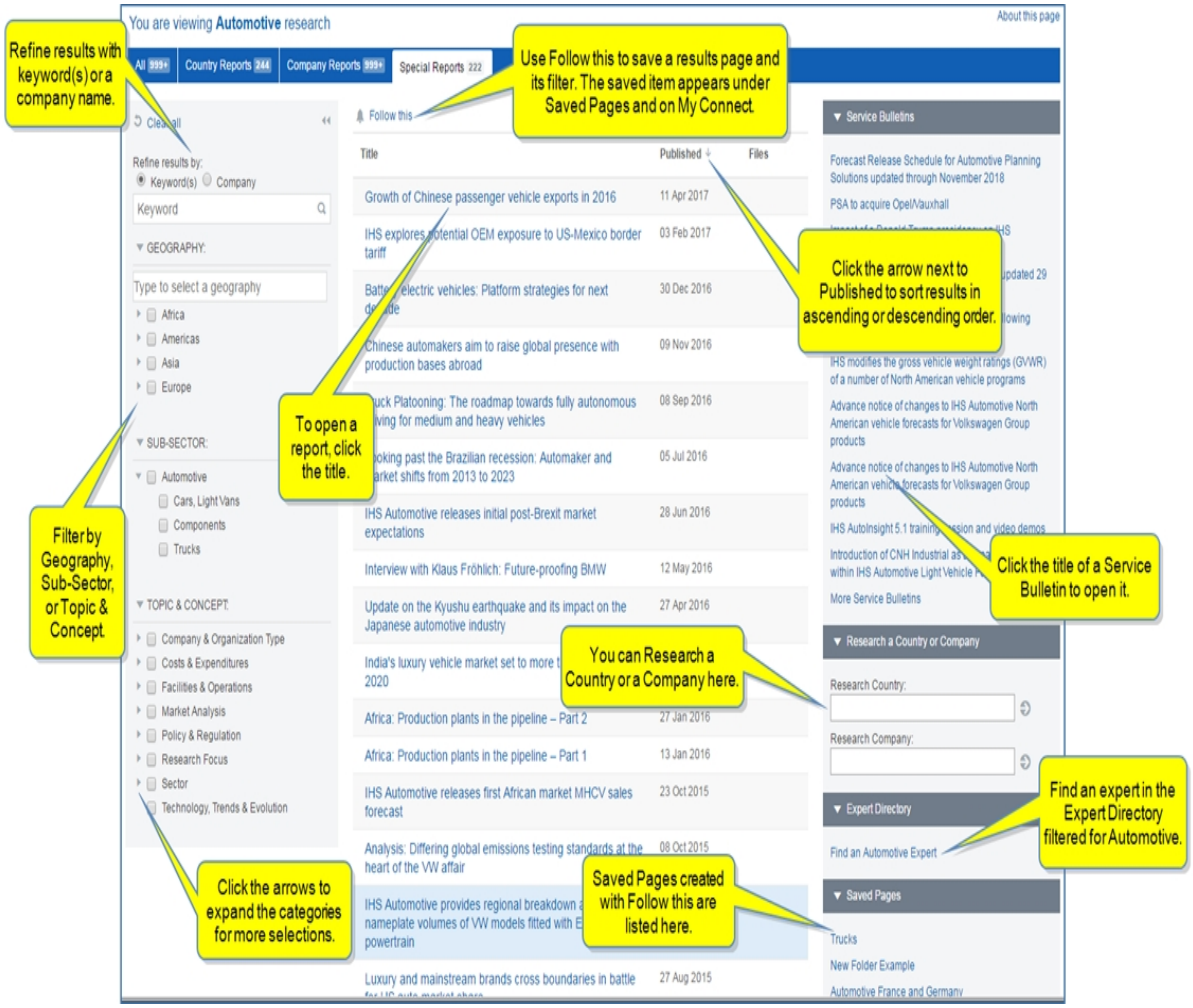


Special Reports

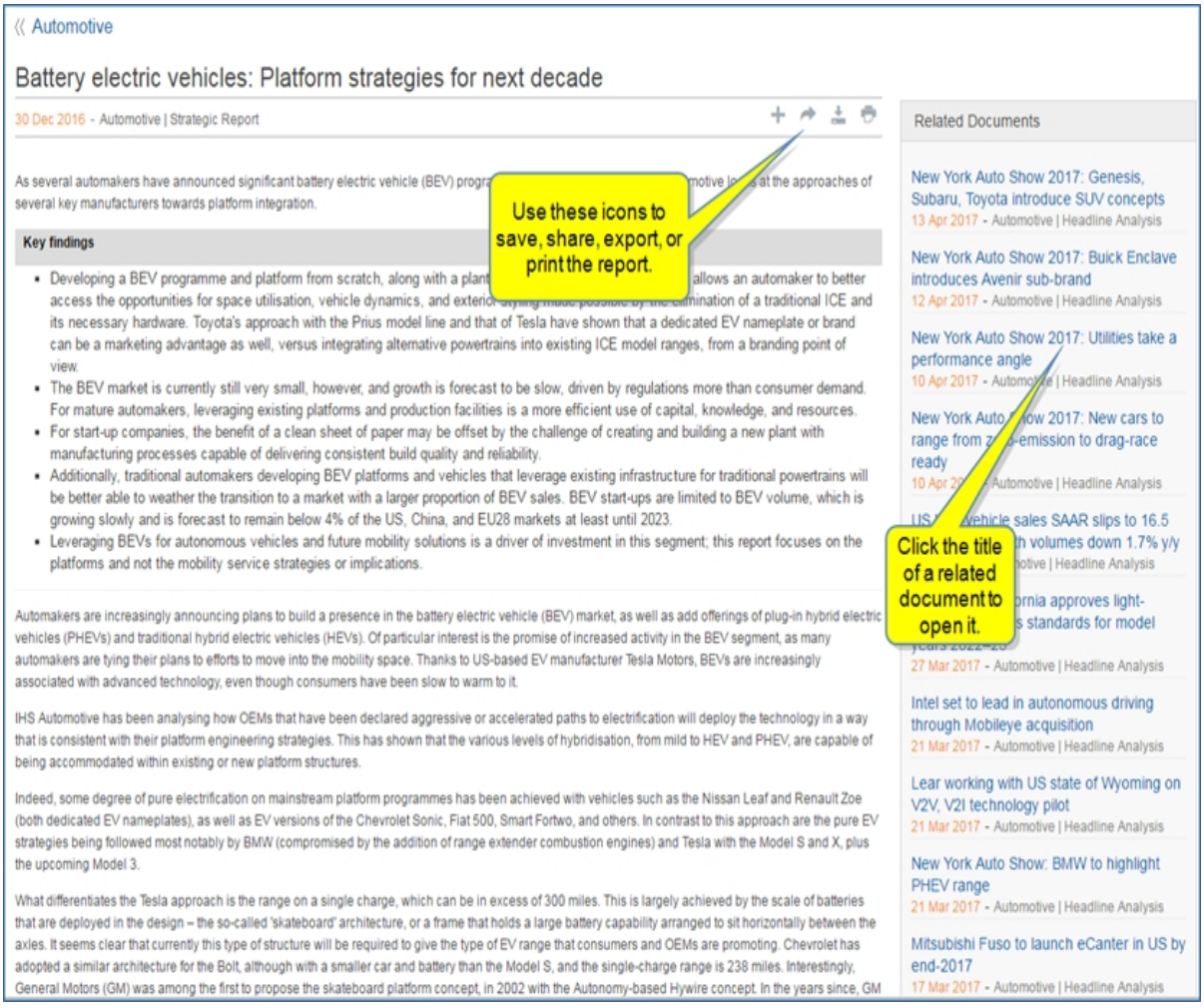
Clicking the **Special Reports** link on the megamenu displays the Special Reports tab on the Automotive research page. All of the special reports are listed. You can refine results with a keyword—for example, type in the name of the country—or select a country from the Geography filter. Additional filters for Sub-Sector, or Topic & Concept are available.

The results on the Special Reports page are a full list of ad hoc reports that the automotive team produces when an important topic comes out. This content type can also be identified as Strategic Report on the Search page.

The **Follow this** feature allows you to bookmark / save a search and results. These pages are then displayed under **Saved Pages** and on My Connect. For more information about **Follow this**, see Autointelligence Home and Headline Analysis.

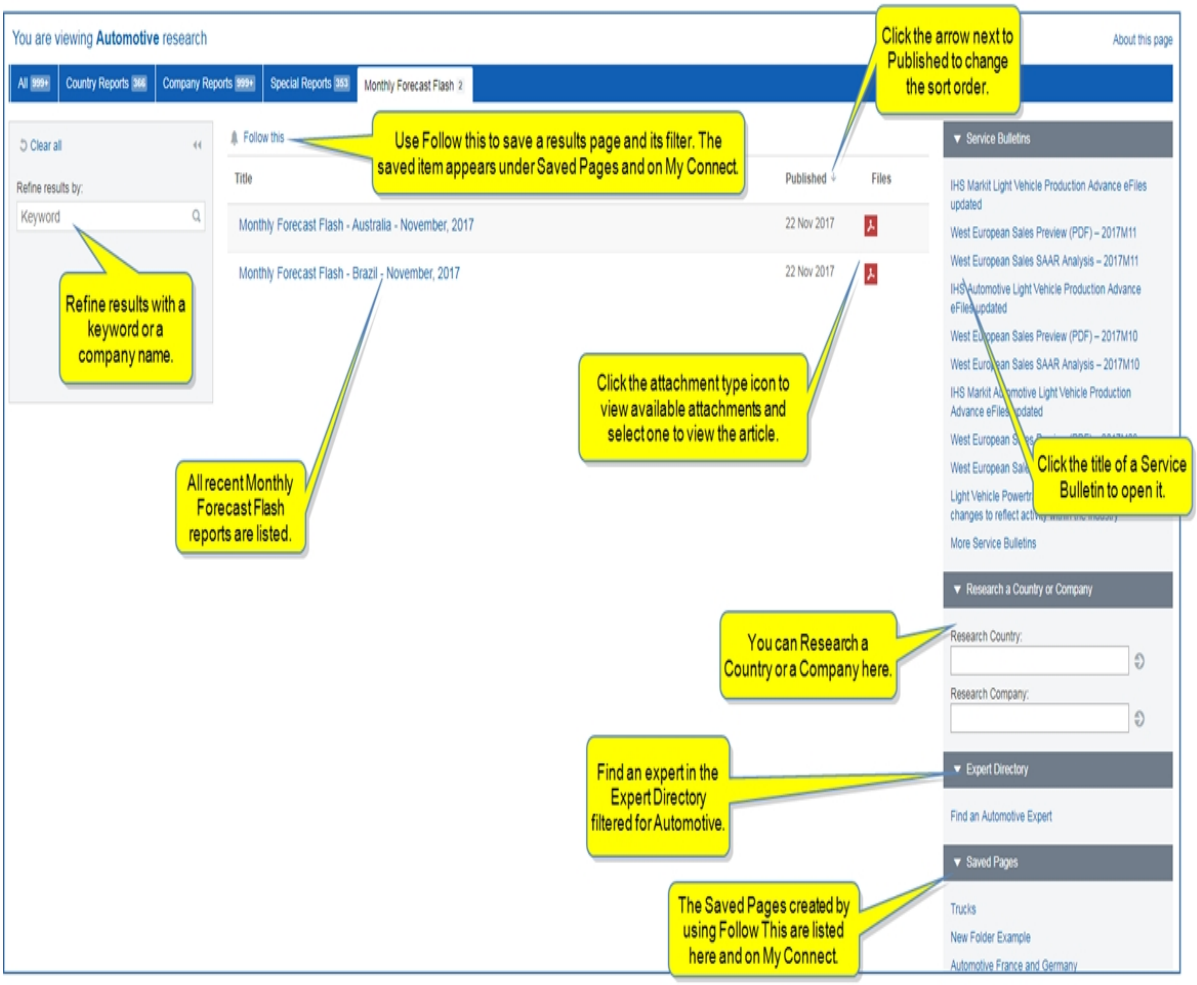


When you click the title of a Special Report, the full report is displayed.



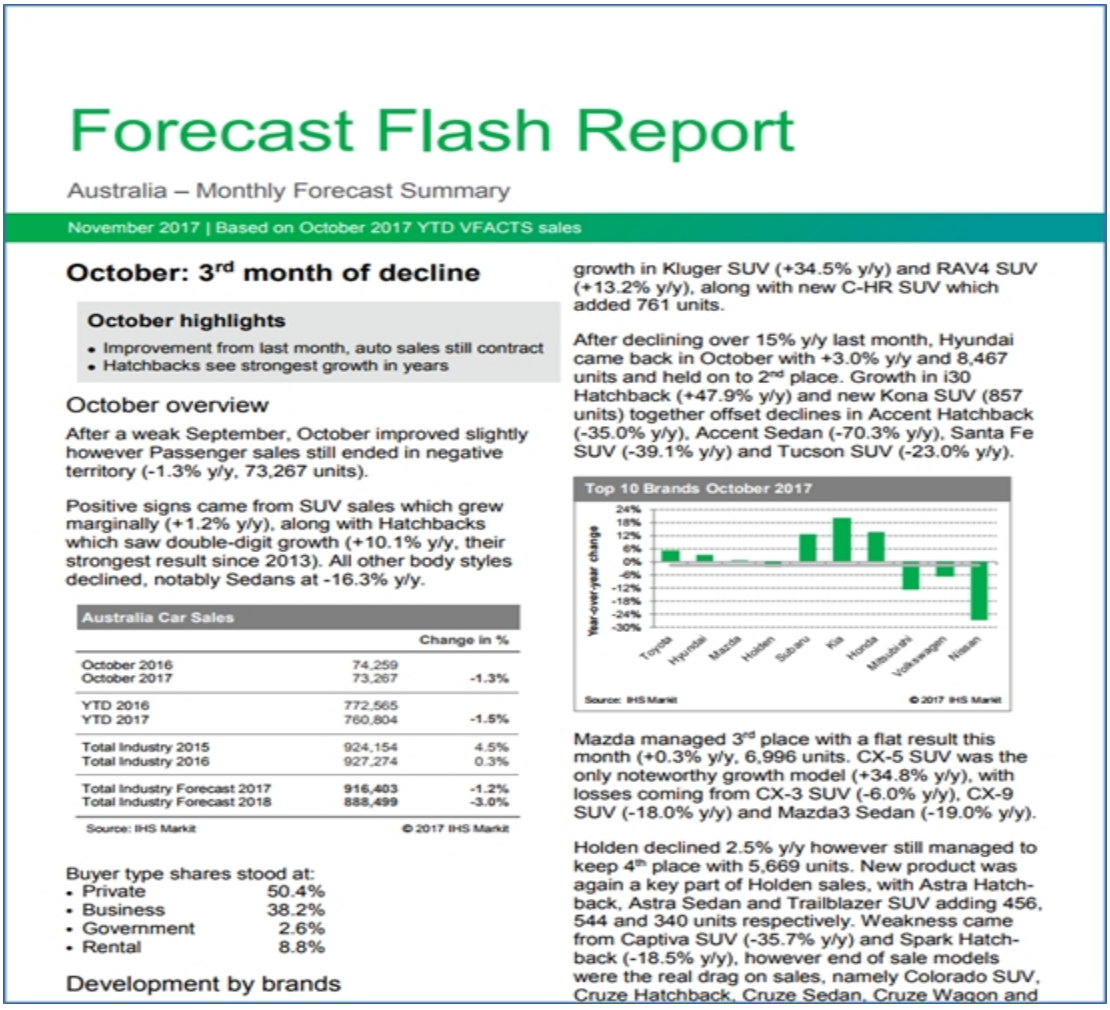
Monthly Forecast Flash

The Monthly Forecast Flash reports give you the latest country performances and their impact on the full-year forecast outlook.



When you click the title of a Monthly Forecast Flash report, the full article is displayed.

The attachment opens it. You can also open the attachment from the results page by selecting the type of attachment icon.



Forecast Flash Report

Australia – Monthly Forecast Summary

November 2017 | Based on October 2017 YTD VFACTS sales

October: 3rd month of decline

October highlights

- Improvement from last month, auto sales still contract
- Hatchbacks see strongest growth in years

October overview

After a weak September, October improved slightly however Passenger sales still ended in negative territory (-1.3% y/y, 73,267 units).

Positive signs came from SUV sales which grew marginally (+1.2% y/y), along with Hatchbacks which saw double-digit growth (+10.1% y/y, their strongest result since 2013). All other body styles declined, notably Sedans at -16.3% y/y.

Australia Car Sales

		Change in %
October 2016	74,259	
October 2017	73,267	-1.3%
YTD 2016	772,565	
YTD 2017	760,804	-1.5%
Total Industry 2015	924,154	4.5%
Total Industry 2016	927,274	0.3%
Total Industry Forecast 2017	916,403	-1.2%
Total Industry Forecast 2018	888,499	-3.0%

Source: IHS Markit © 2017 IHS Markit

Buyer type shares stood at:

- Private 50.4%
- Business 38.2%
- Government 2.6%
- Rental 8.8%

Development by brands

growth in Kluger SUV (+34.5% y/y) and RAV4 SUV (+13.2% y/y), along with new C-HR SUV which added 761 units.

After declining over 15% y/y last month, Hyundai came back in October with +3.0% y/y and 8,467 units and held on to 2nd place. Growth in i30 Hatchback (+47.9% y/y) and new Kona SUV (857 units) together offset declines in Accent Hatchback (-35.0% y/y), Accent Sedan (-70.3% y/y), Santa Fe SUV (-39.1% y/y) and Tucson SUV (-23.0% y/y).

Top 10 Brands October 2017

Source: IHS Markit © 2017 IHS Markit

Mazda managed 3rd place with a flat result this month (+0.3% y/y, 6,996 units. CX-5 SUV was the only noteworthy growth model (+34.8% y/y), with losses coming from CX-3 SUV (-6.0% y/y), CX-9 SUV (-18.0% y/y) and Mazda3 Sedan (-19.0% y/y).

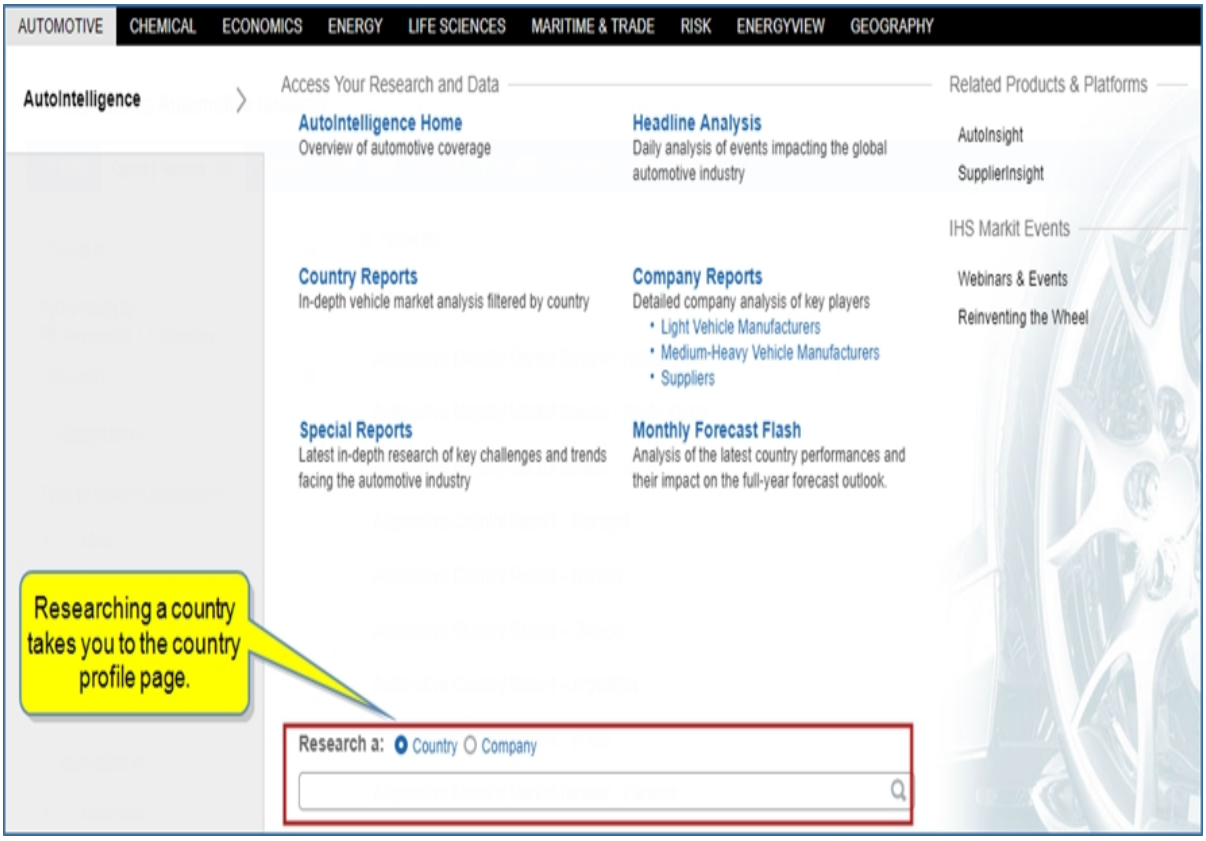
Holden declined 2.5% y/y however still managed to keep 4th place with 5,669 units. New product was again a key part of Holden sales, with Astra Hatchback, Astra Sedan and Trailblazer SUV adding 456, 544 and 340 units respectively. Weakness came from Captiva SUV (-35.7% y/y) and Spark Hatchback (-18.5% y/y), however end of sale models were the real drag on sales, namely Colorado SUV, Cruze Hatchback, Cruze Sedan, Cruze Wagon and

Research a Country

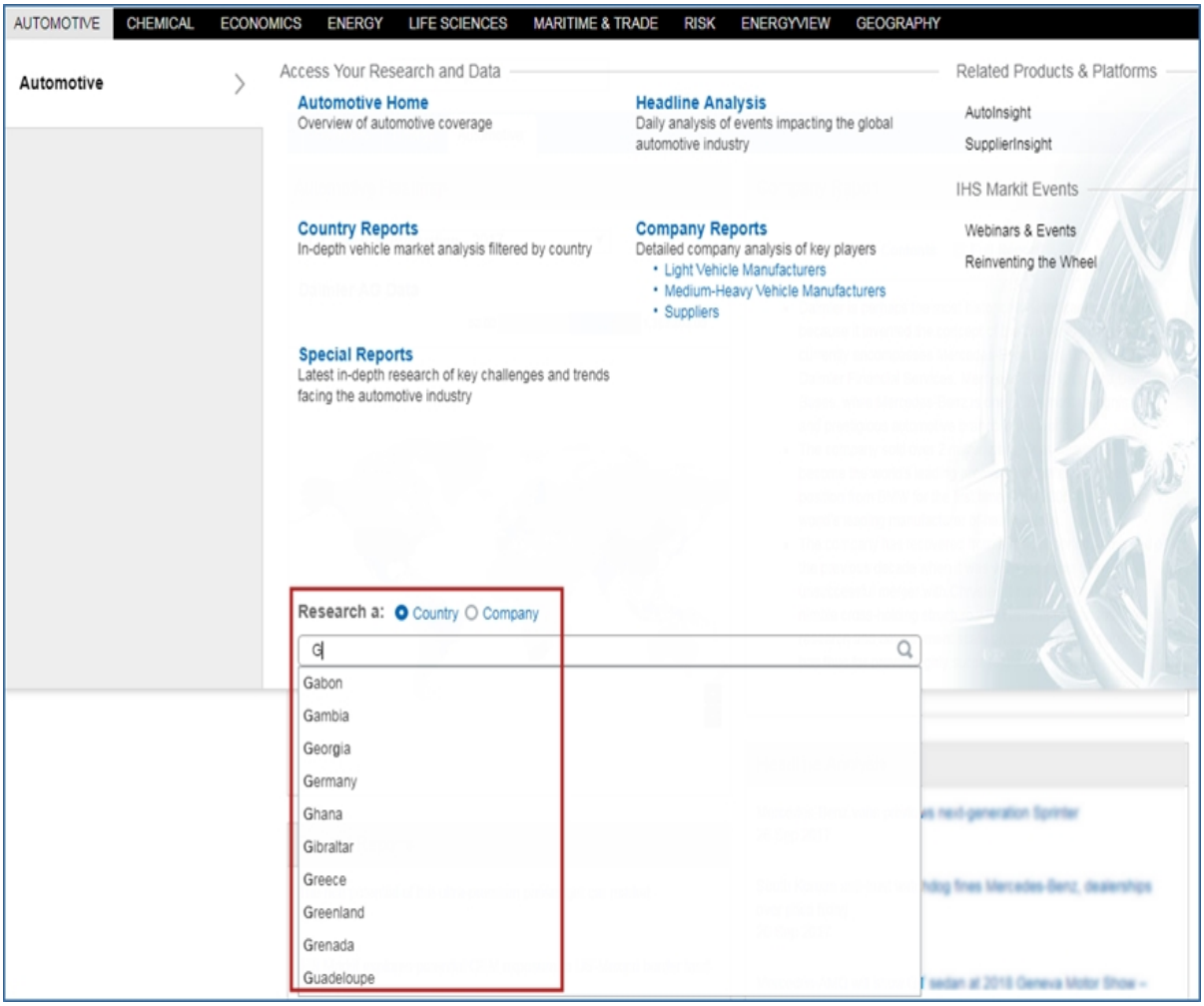
You can quickly research a country from the megamenu by using the **Research a Country** field. All the latest content for the chosen country is presented on the country profile page.

The features on the Country Profile page are described at the following links:

- Key Report
- Automotive Heatmap
- Country Report
- Regional Special Report
- Country Headline Analysis
- Service Bulletins
- Research a Company
- Expert Directory



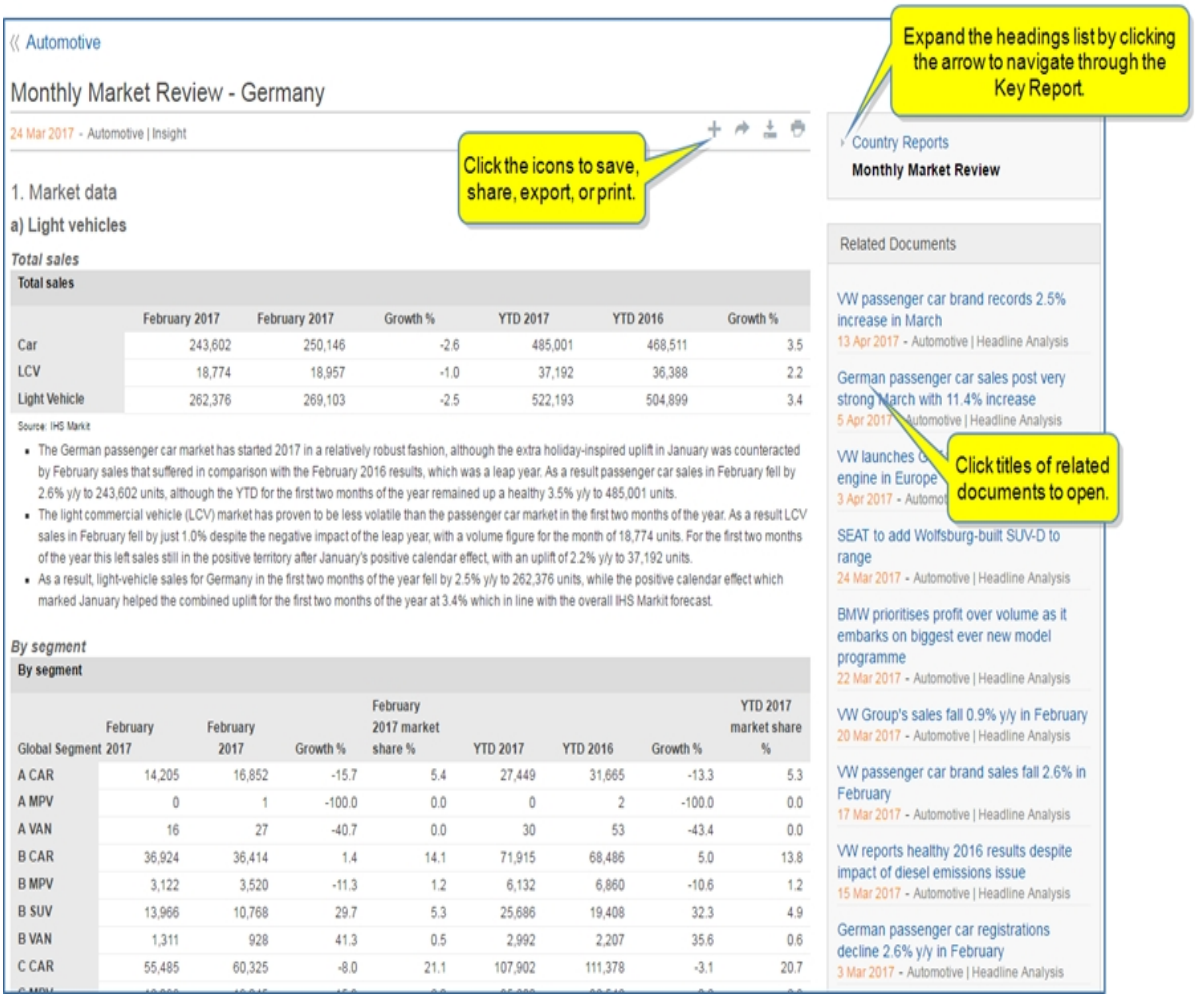
When you start entering a country, Connect automatically provides a list of possible countries.



Select your country from the list, and the Automotive Country Profile page is displayed.

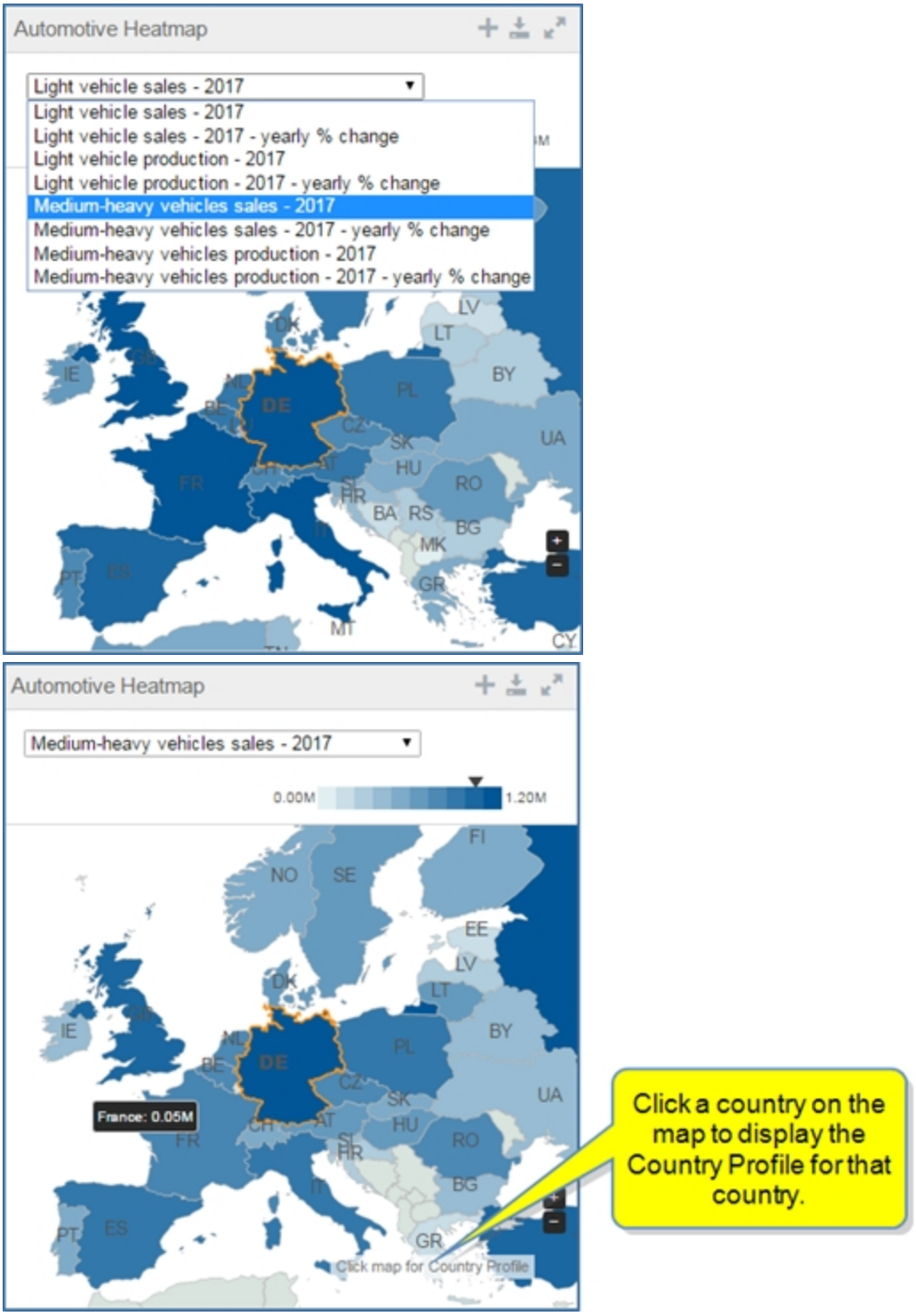
Key Report

The key report provides the latest updates on the market. It is a smaller report than the Country Report and update more often.



Automotive Heatmap

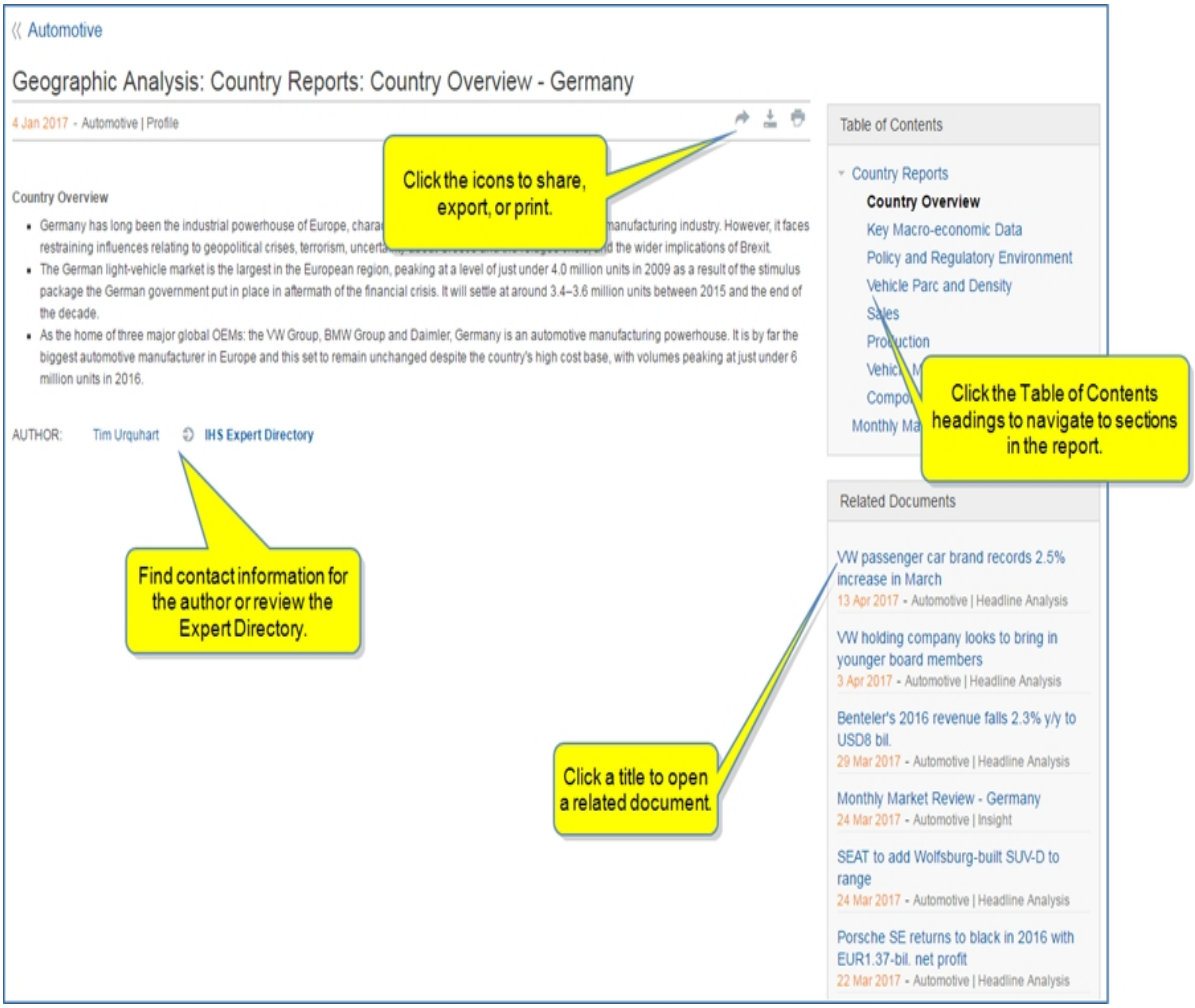
Select a concept from the drop-down list to display data based on the concept chosen. The colors on the map correspond to the legend. You can hover over a country to display numerical data.



You can save, export, or maximize the map to a larger view.

Country Report

The Country Report is the most comprehensive report for a country.



Regional Special Report

Regional Special Reports provide important information for the selected country, Germany, in this example.

Country Headline Analysis

The Country Headline Analysis focuses on articles pertinent to Germany. When you click **More**, the Search page is displayed filtered for Automotive, Headline Analysis, and Germany.

Service Bulletins

Service Bulletins inform you about upcoming service events.

Research a Company

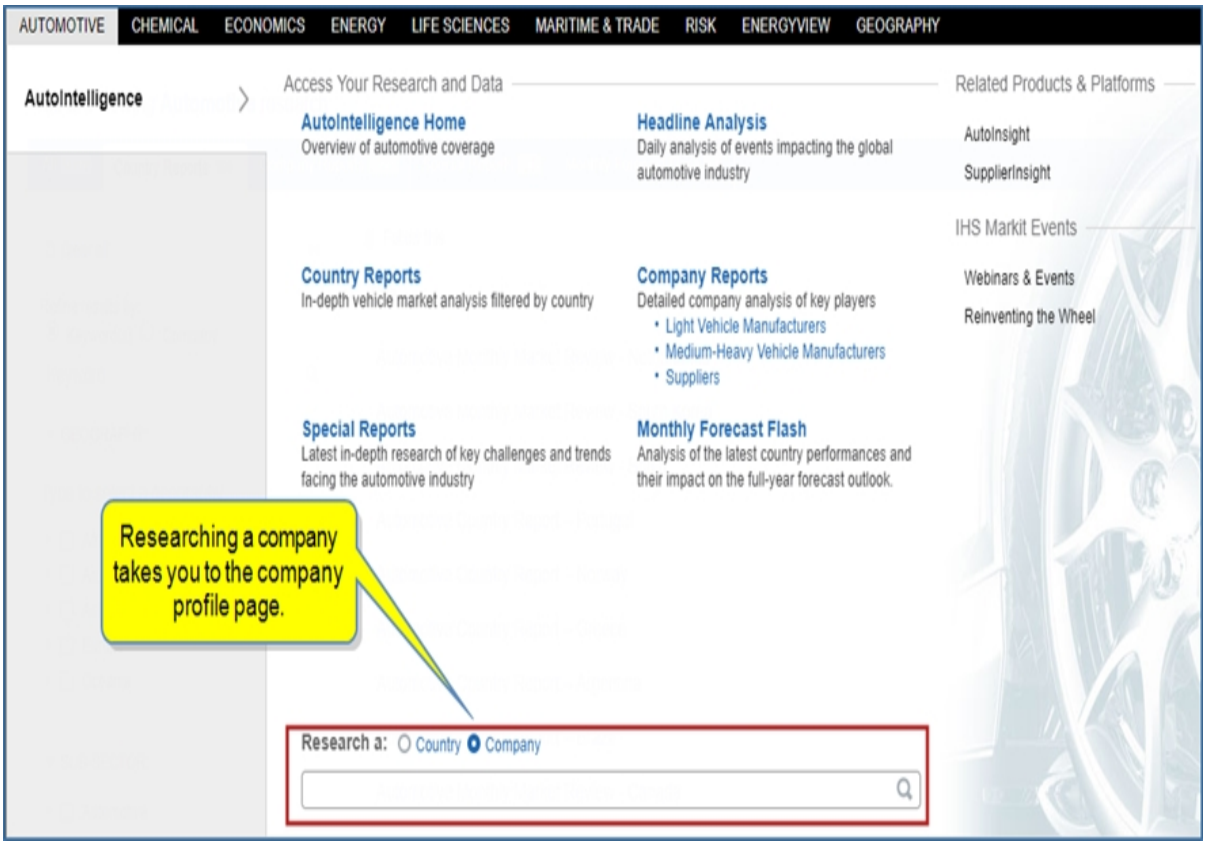
You can open a company profile from the country profile page using this field.

Expert Directory

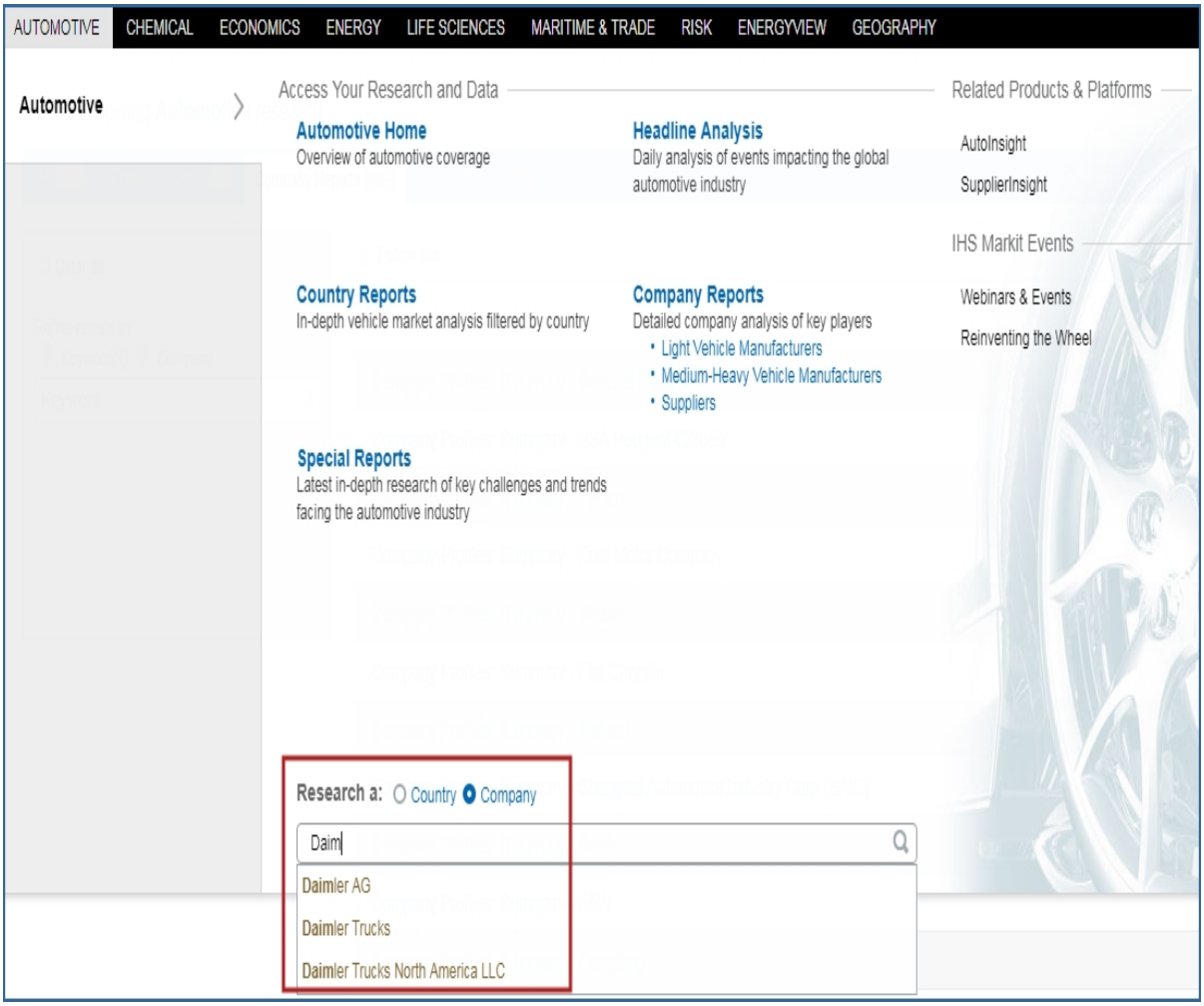
The Expert Directory allows you to search for an expert by name or by using the alphabet.

Research a Company

When you want to know all available details about a company, quickly research a company from the mega-menu by selecting **Research a Company**, entering a name, and then choosing from the drop-down list to open a company profile page.

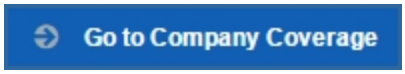


Start entering a company, and Connect automatically provides a list of possible countries.



Select a company from the list, and the Automotive Company Profile page is displayed.

Go to Company Coverage

The 

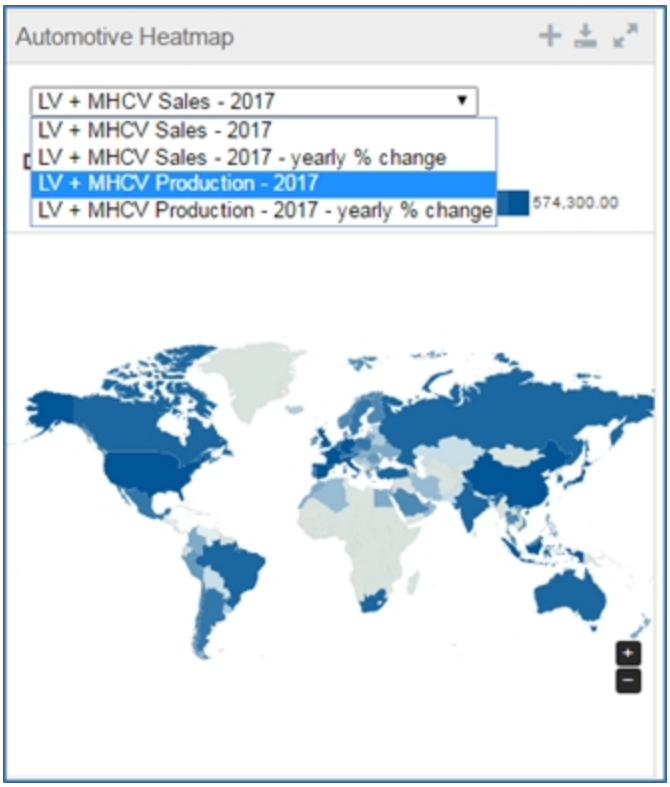
link takes you to the Company Coverage tool. Use these pages to gather information and insight about companies, private and public, involved in transactions and trends in the

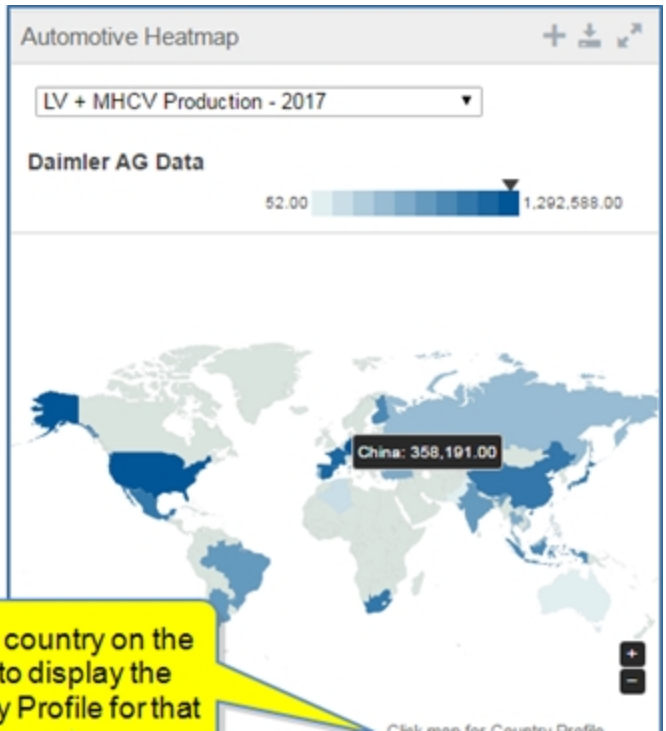
energy industry. Company Coverage is a comprehensive resource for over 13,000 energy companies in the public and private domains, supporting multiple workflows including screening, competitor activity, mergers and acquisitions and company analysis. You can open a pre-defined Quick Search provided by IHS Markit, do an advanced search, and save searches for future reference.

For more information, see Company Coverage.

Automotive Heatmap

Select a concept from the drop-down list to display data based on the concept chosen. The colors on the map correspond to the legend. You can hover over a country to display numerical data.

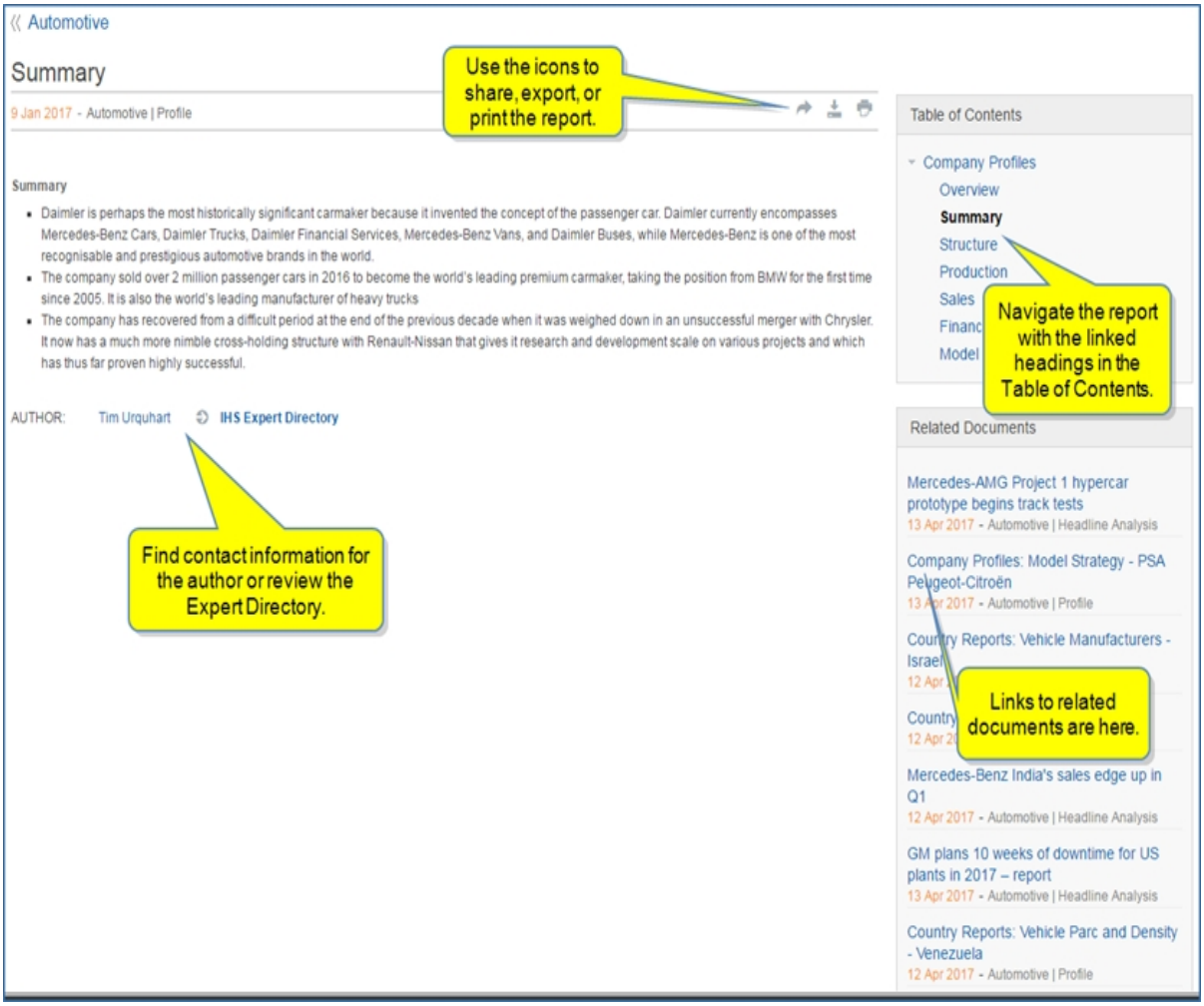




You can save, export, or maximize the map to a larger view.

Company Report

The Company Report is the most comprehensive report for a country.



Special Reports

Special Reports provide important information for the selected company, Daimler, in this example.

Headline Analysis

Headline Analysis focuses on articles pertinent to Daimler. When you click **More**, the Search page is displayed filtered for Automotive and Headline Analysis.

Service Bulletins

Service Bulletins inform you about upcoming service events.

Research a Country

You can open a country profile from the company profile page using this field.

Expert Directory

The Expert Directory allows you to search for an expert by name or by using the alphabet.

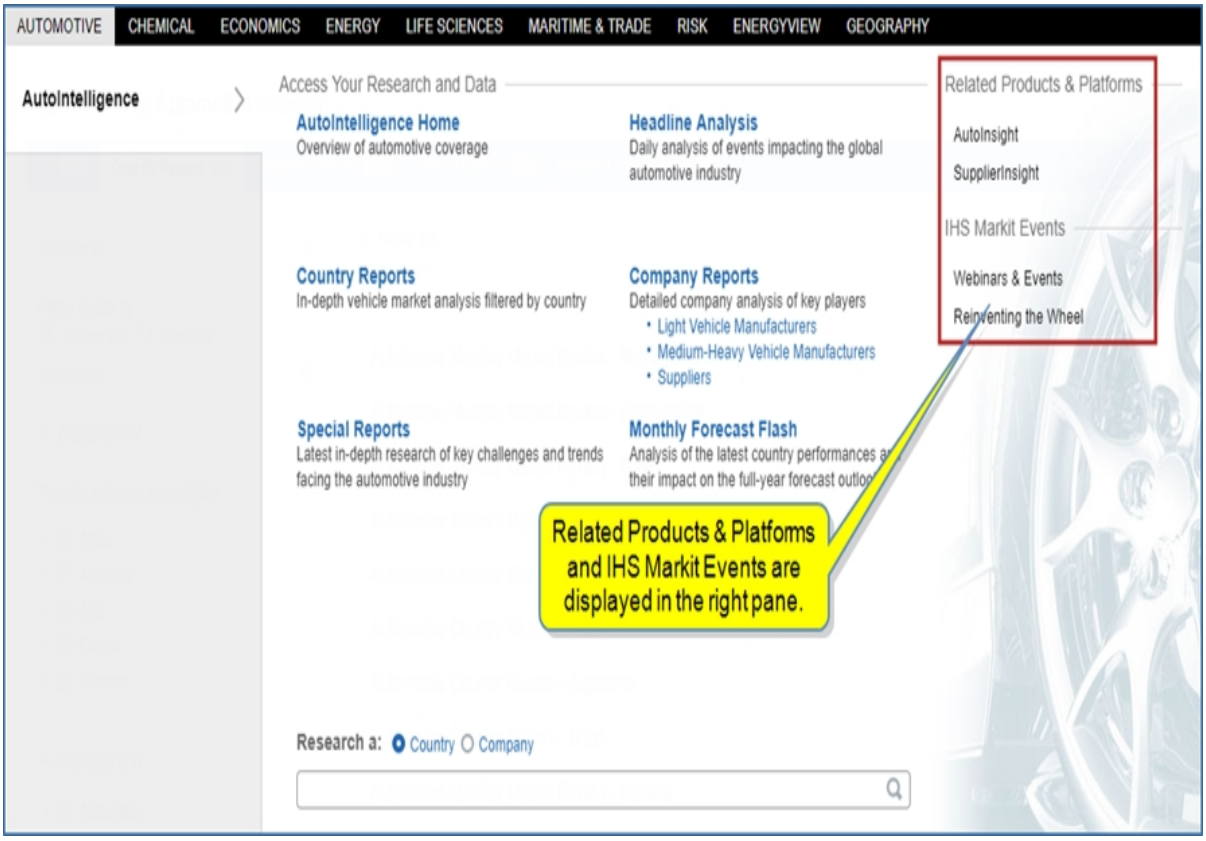
Automotive Related Products and Platforms

Related Products and Platforms are listed in the right pane of the megamenu.

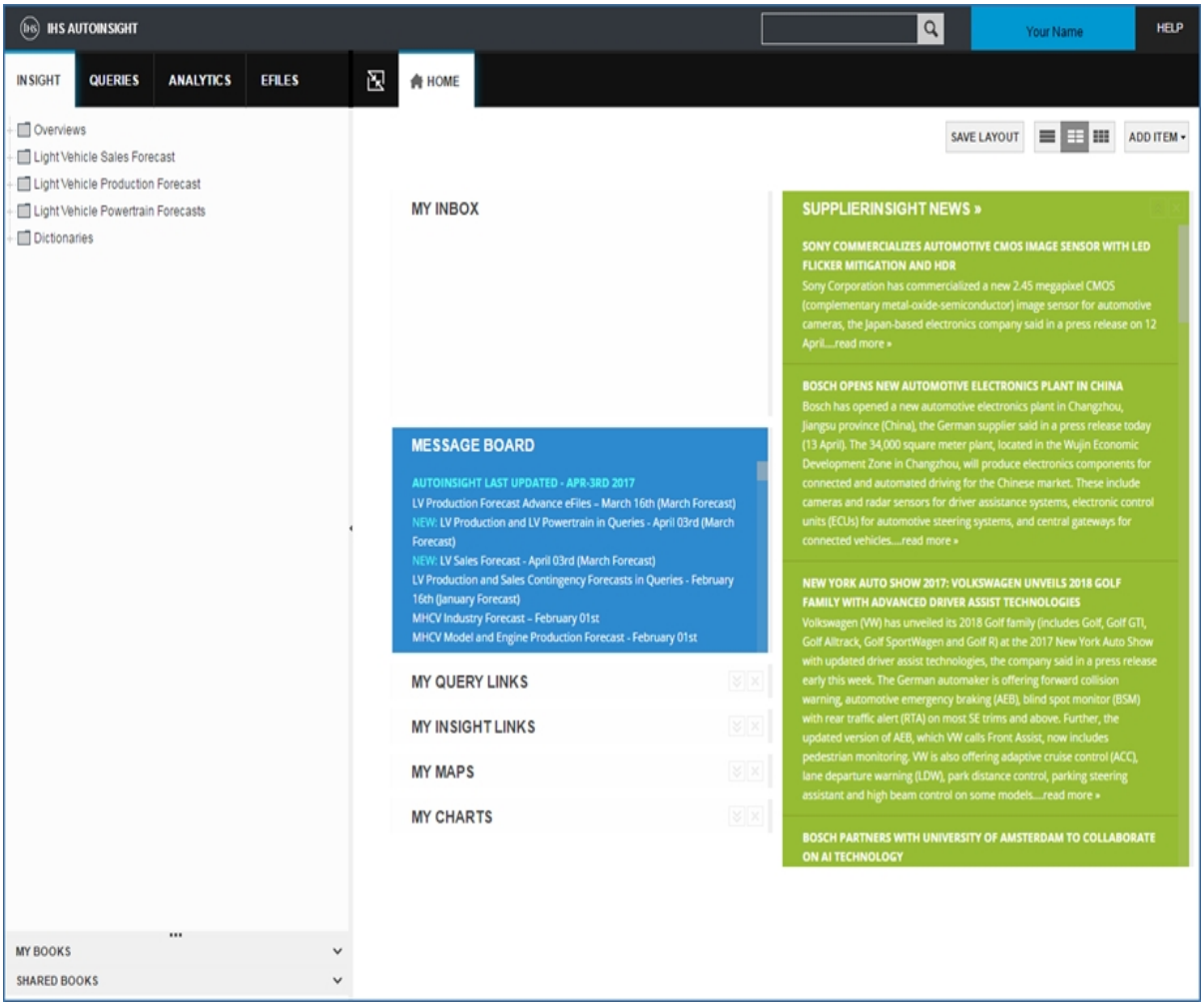
The links to the outside Connect platforms take you to AutoInsight and SupplierInsight.

Your access and ability to select these links depends upon your subscription.

Through IHS Markit Events, you also have access to Webinars & Events.



When you select AutoInsight, the application opens in its own location.



Clicking **SupplierInsight** opens Automotive SupplierInsight.

Chemical

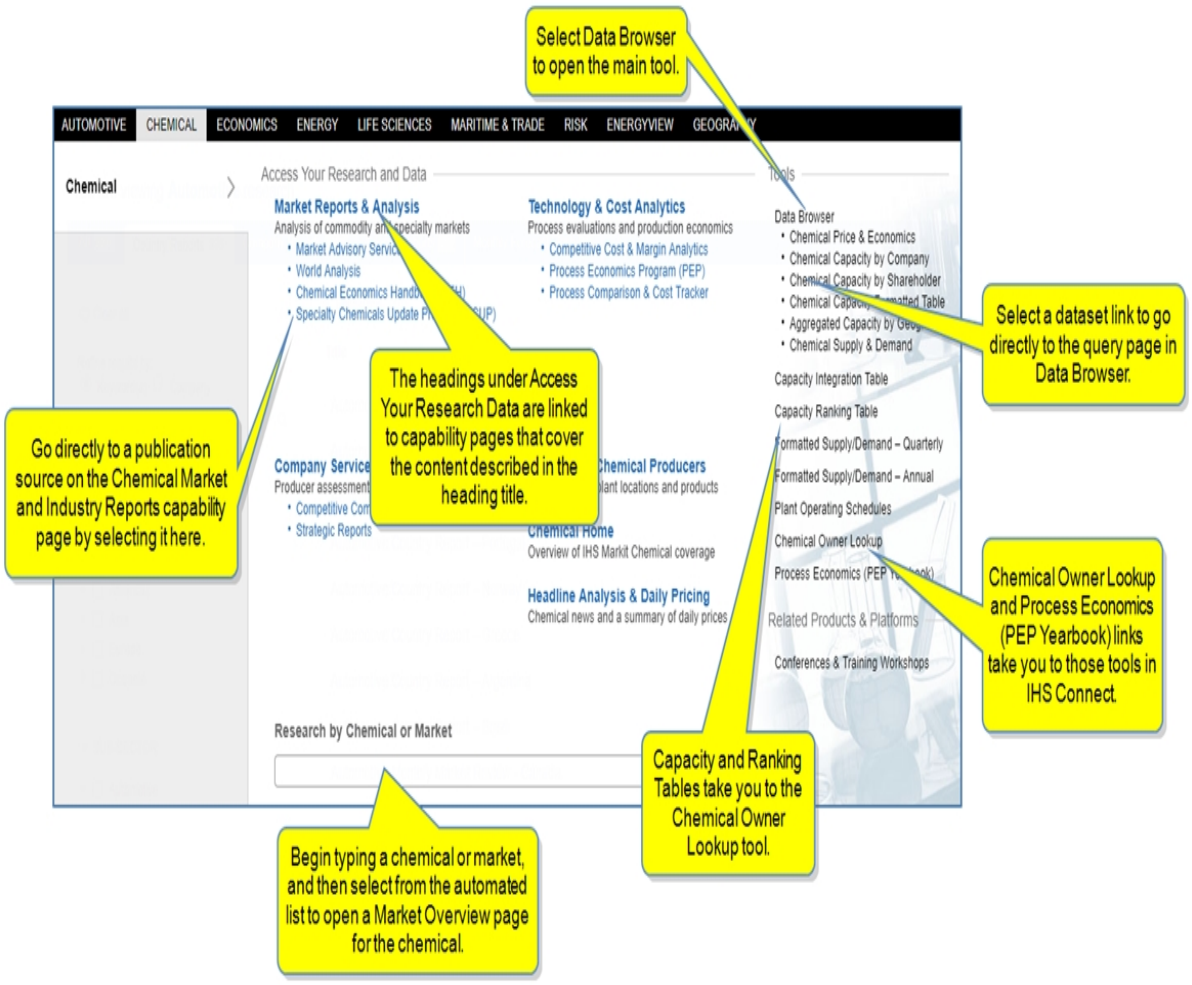
Chemical megamenu overview

Chemical has the world's most comprehensive chemical insight, information, and analysis from global experts in the industry. Depending on your subscription, you have access to many chemical sources, including Market Advisory Service, World Analysis, Competitive Cost and Margin Analytics, Competitive Company Analysis, Chemical Economics Handbook, Specialty Chemicals Update Program, Process Economics Program, and Special Reports. You can also review any Upcoming Research.

You may have questions like the following: What is the market price for a given chemical? What is near-term market outlook for prices, costs, and margins? What are the near-term and long-term outlooks for supply /demand? What is the production capacity outlook? What is the competitive cost position for chemical producers by technology and region? The essential insight you gain will advance your decision-making process whether you are considering the impact of shale gas in North America, coal-based production in China, varying demand growth around the globe, or renewable-based feed stocks.

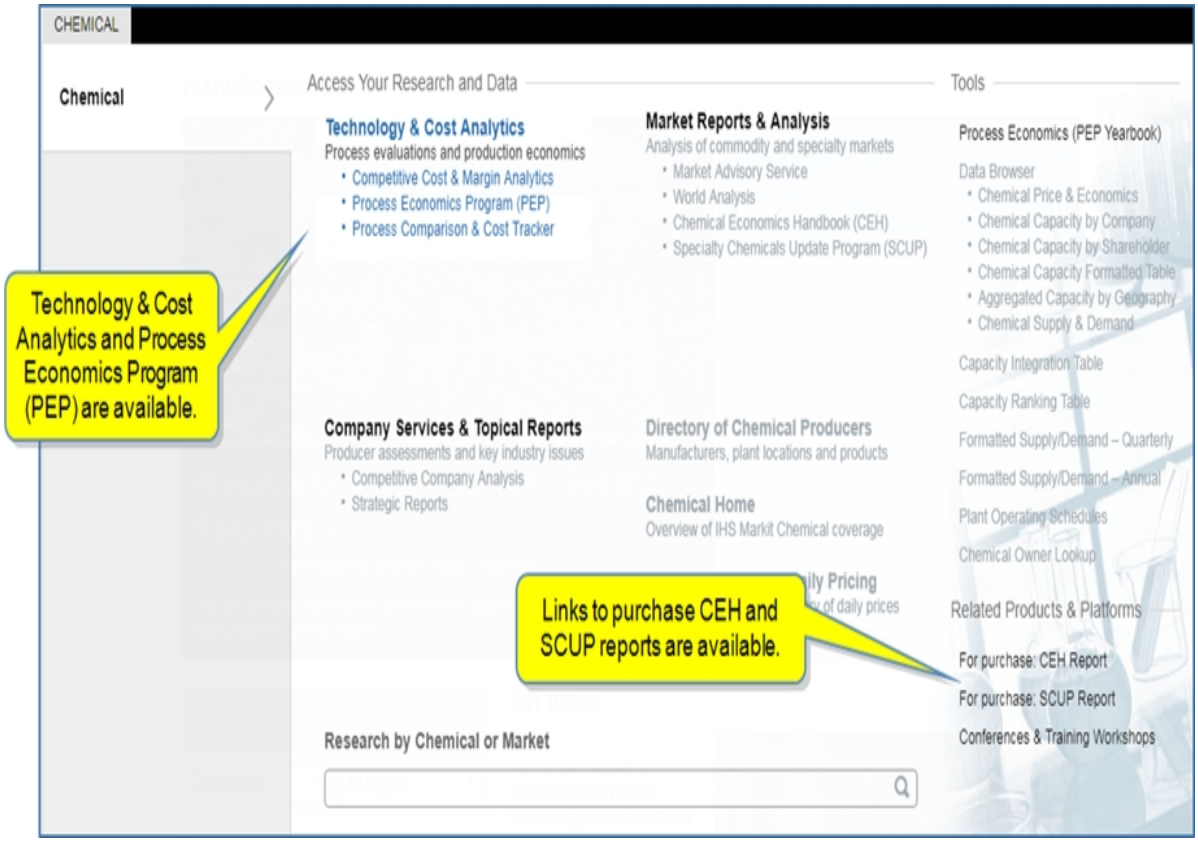
From the Chemical capability megamenu access the following content areas:

- Market Reports & Analysis and Research by Chemical or Market—access your full list of entitled reports and navigate to a specific chemical or market page.
  Note:access to reports depends upon your subscription. If you do not have access to *Chemical Economics Handbook (CEH)* or *Specialty Chemicals Update Program (SCUP)*, or you have a PEP only subscription, your megamenu contains grayed out areas and links in the Tools pane for purchase of these publications at IHS.com. For information about purchasing *Chemical Economics Handbook (CEH)* and *Specialty Chemicals Update Program (SCUP)* reports, view Megamenu for purchase of Chemical Economics Handbook (CEH) and Specialty Chemicals Update Program (SCUP) below and review the ***Purchasing from eCommerce*** section of Market Reports & Analysis topic.
- Technology and Cost Analytics—process evaluations and production economics.
- Company Services and Topical Reports—access producer assessments and key industry issues.
- Directory of Chemical Producers—research details for manufacturers, plant locations, and products.
- Chemical Home—review overview of IHS Markit Chemical coverage.
- Headline Analysis and Daily Pricing—review chemical news and a summary of daily prices.
- Chemical megamenu tools—access Data Browser, Capacity tables, Supply & Demand tables and schedules, Chemical Owner Lookup, Process Economics (PEP Yearbook), and IHS Events. For more information about finding and accessing tools, refer to this link, Chemical megamenu tools and Accessing information about tools below.



Megamenu for purchase of Chemical Economics Handbook (CEH) and Specialty Chemicals Update Program (SCUP)

Subscribers to Process Economics Program (PEP) view the following megamenu that includes the option to purchase reports from *Chemical Economics Handbook (CEH)* and *Specialty Chemicals Update Program (SCUP)*.



For more information about purchasing CEH and SCUP publications, see ***Purchasing from eCommerce*** in the Market Reports & Analysis topic.

Accessing information about tools

Instructions about using Tools are available in this document, the IHS Connect User Guide.

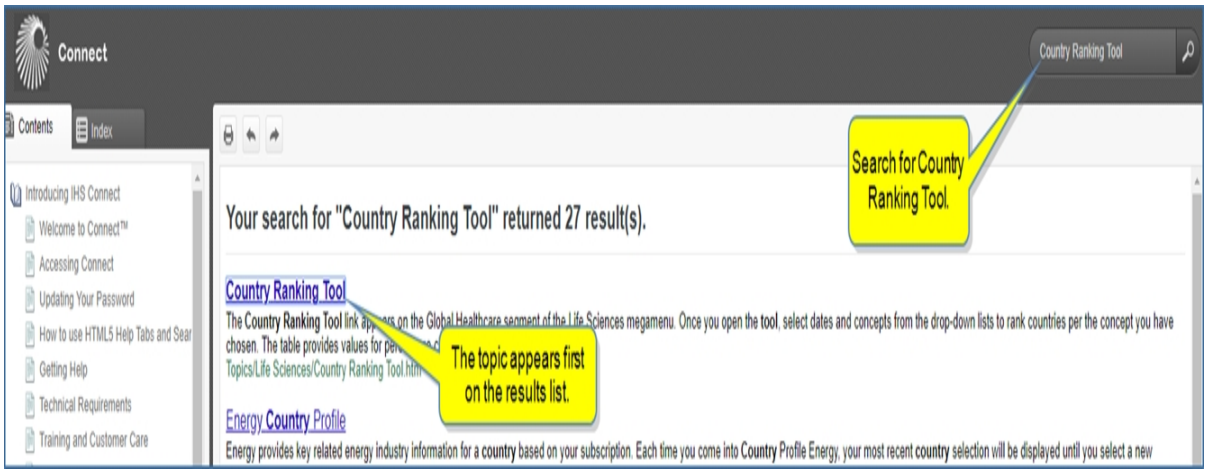
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



Market Reports & Analysis

To view chemical reports for commodity and specialty markets, select **Market Reports & Analysis** from the megamenu.

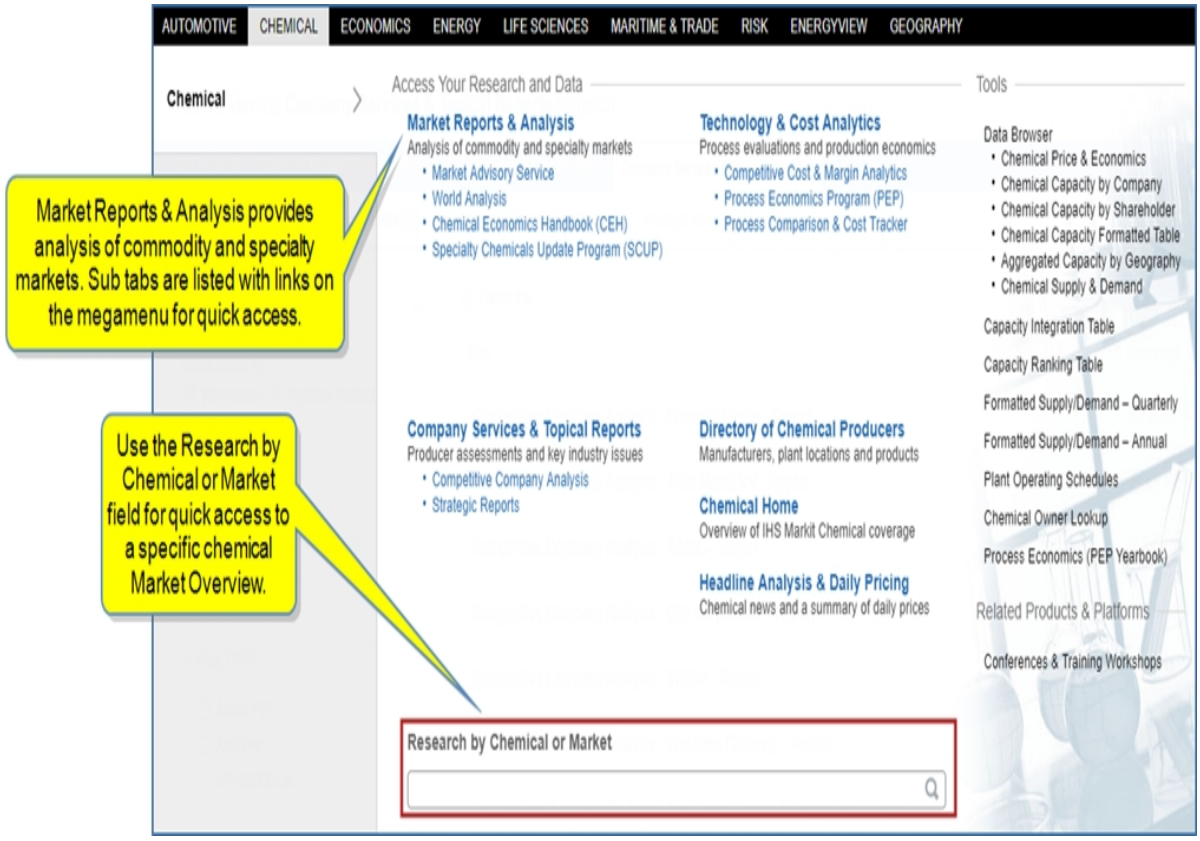
The reports page opens with **Chemical Market & Industry Reports** displayed.

Tabs are available for **All Chemical**, **Chemical Market & Industry Reports**, **Technology & Cost Analytics**, and **Company Services and Tropical Reports**. Sub tabs are available on each page as follows:

- ***All Chemical***—All Chemical reports are displayed
- ***Chemical Market and Industry Reports***—All Market Report and Analysis, Market Advisory Service, World Analysis, Chemical Economics Handbook (CEH), and Specialty Chemicals Update Program (SCUP)
- ***Technology and Cost Analytics***—All Technology and Cost Analytics, Competitive Cost and Margin Analytics, and Process Economics Program (PEP)
- ***Company Services and Topical Reports***—All Company Services and Topical Reports, Competitive Company Analysis, and Strategic Reports

You also can go directly to a sub page by selecting it from the megamenu.

For quick access to a specific chemical Market Overview, enter a chemical or market in the **Research by Chemical or Market** field on the megamenu. (You can also display a specific chemical Market Overview from the **Chemical Home** page.) For more information and examples, see Using Research by Chemical or Market.



Market Reports & Analysis displays reports from Market Advisory Service, World Analysis, Chemical Economics Handbook (CEH), and Specialty Chemical Update Program (SCUP) under the Market Report & Analysis research. These sub tabs allow you to filter the page by publication.

The left pane provides filter categories. The center pane displays the reports in chronological order and any attached files, and the right pane provides links for tools, research, methodology, headline analysis and daily pricing, and expert directory.

The following sections describe the features available on the Market Report & Analysis page:

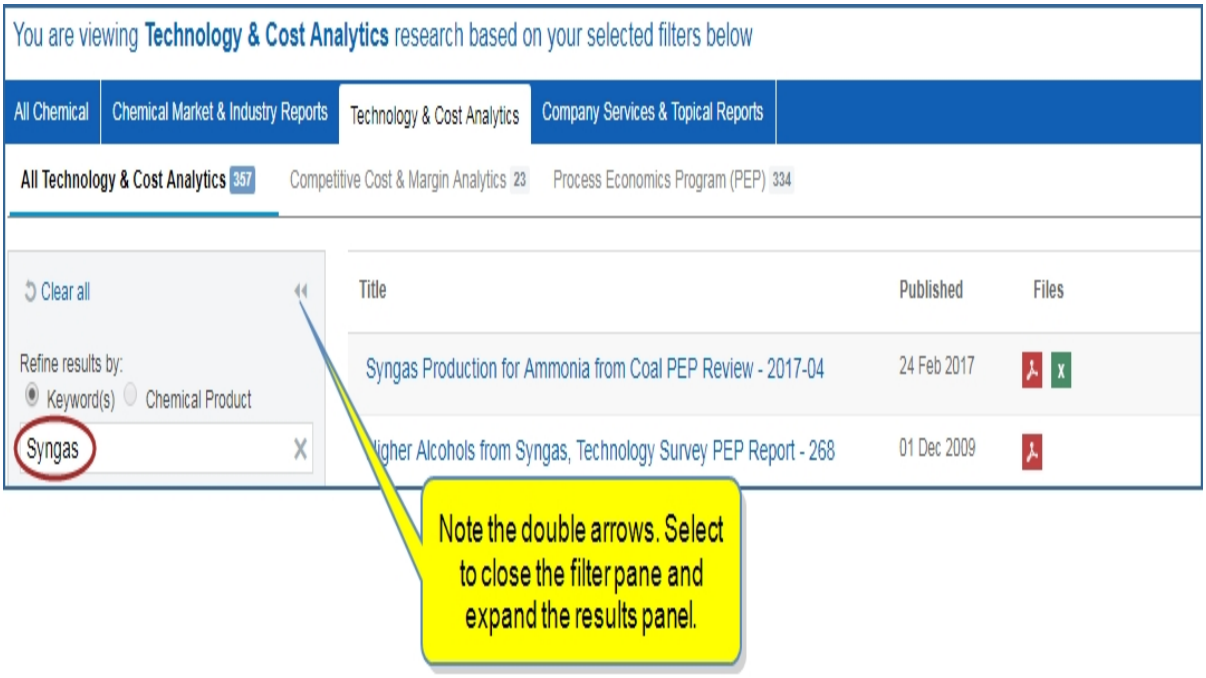
- Using the filter pane
- Viewing results
- Viewing results
- Purchasing from eCommerce

Using the filter pane

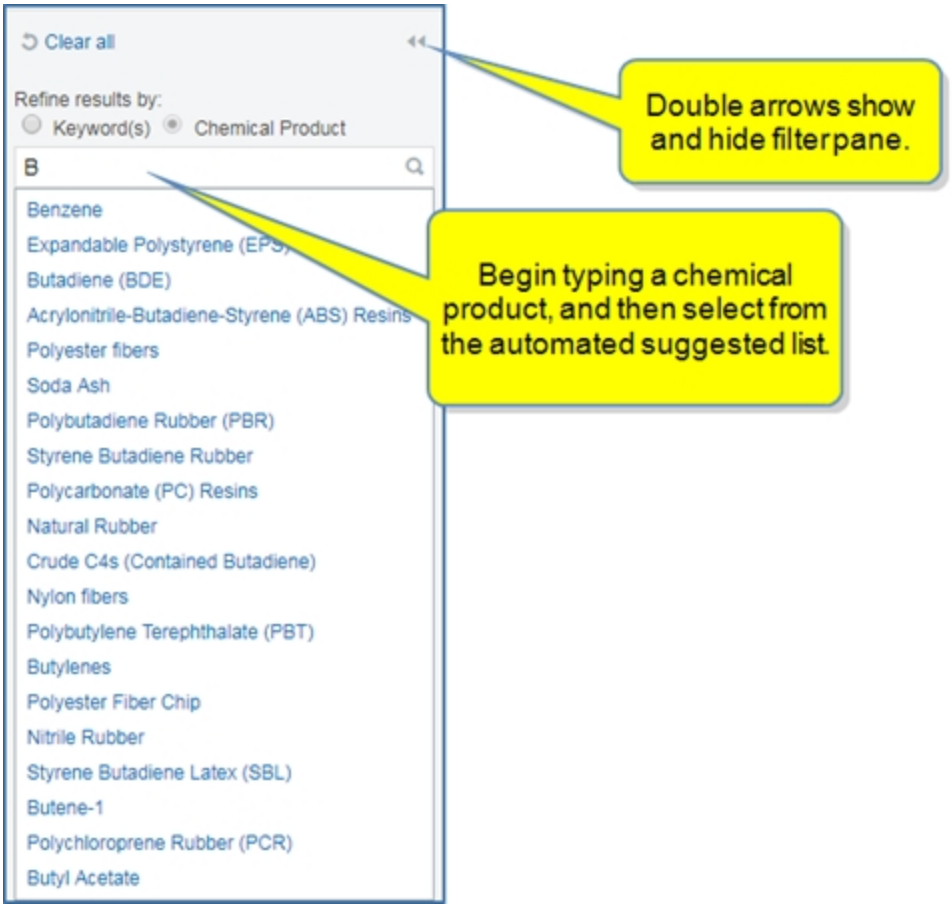
You can show or hide the filter pane by clicking the double arrows

By selecting the radio buttons, you can refine results using a **Keyword(s)** or a **Chemical Product**.

The following example shows results for the keyword "cosmetic." The results are global articles for the cosmetic chemical industry.

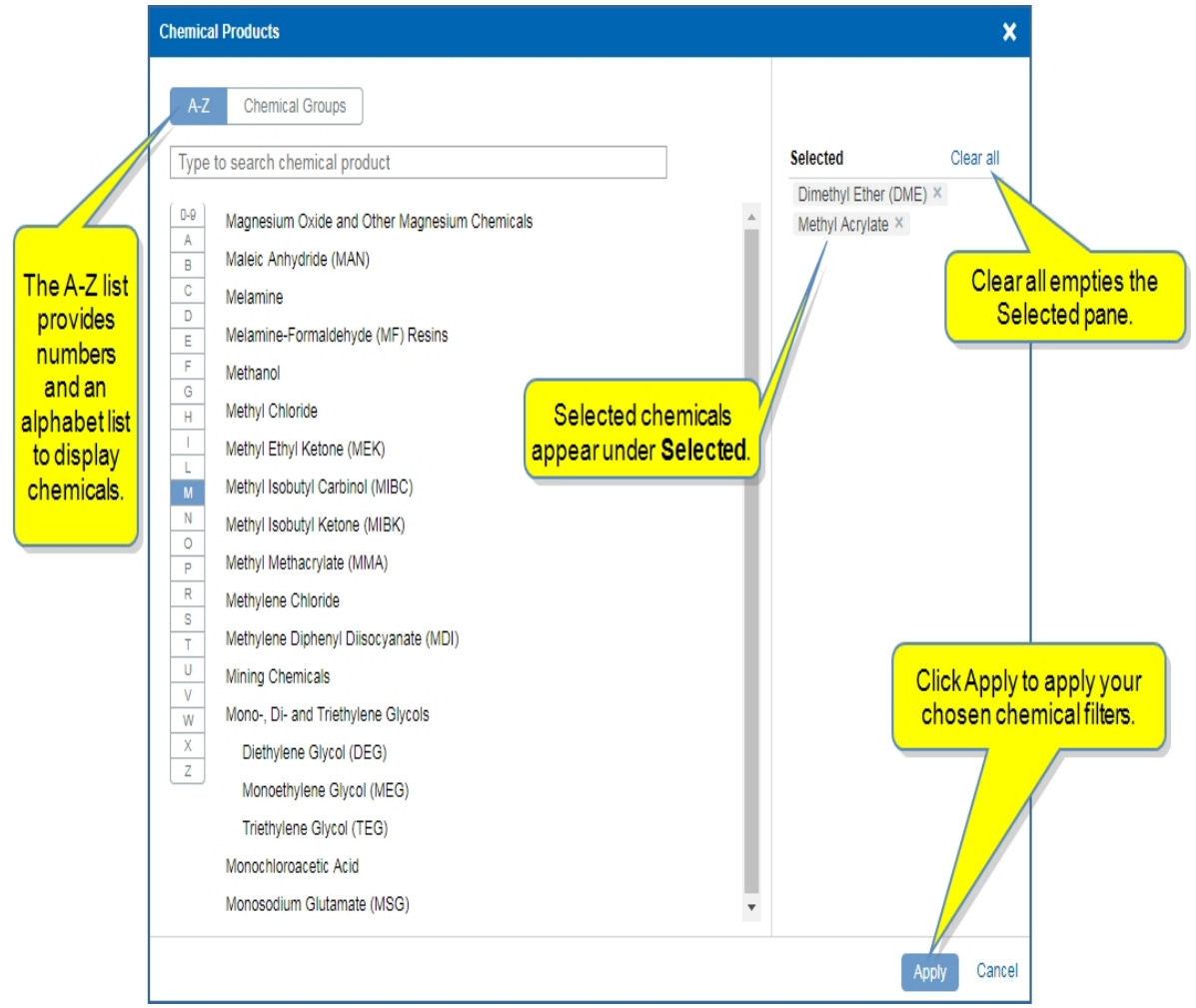


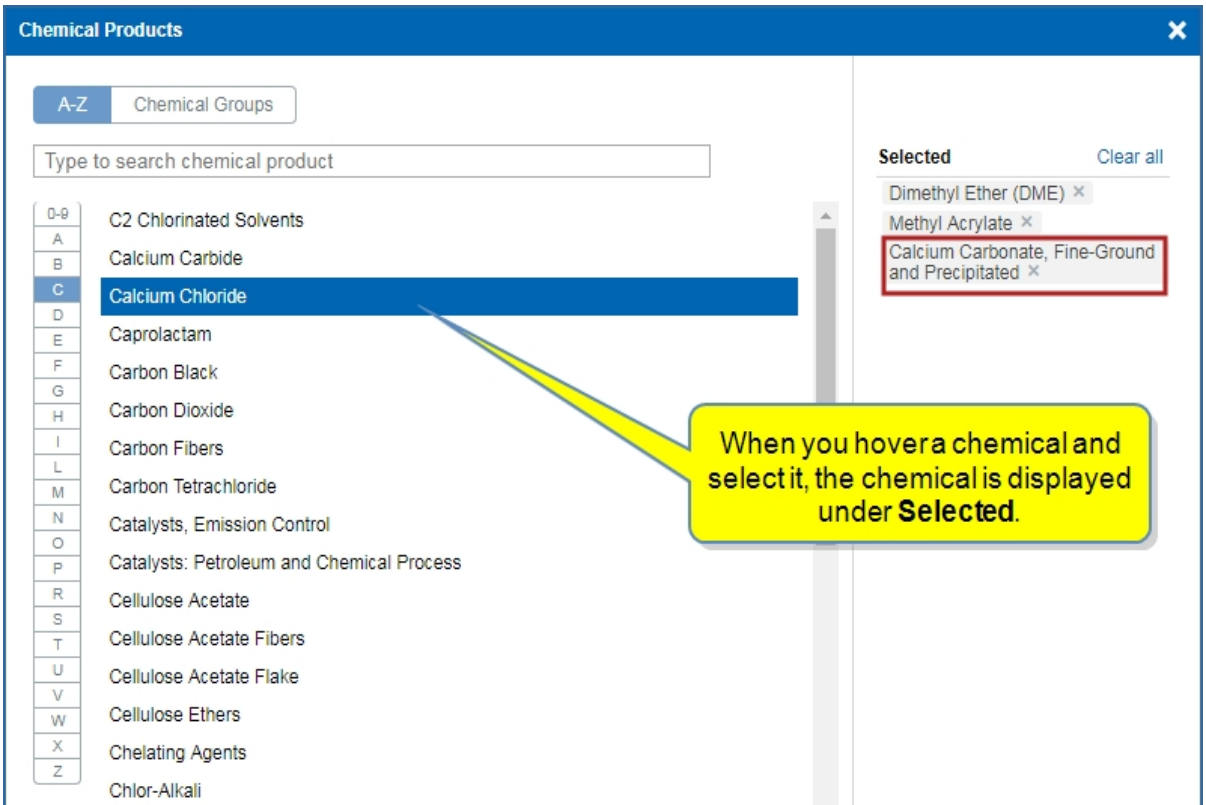
When you select **Chemical Product**, you can begin entering a chemical name in the search field and select from the auto generated suggestion list, or you can select the **Browse Full Chemical Product Directory** link.



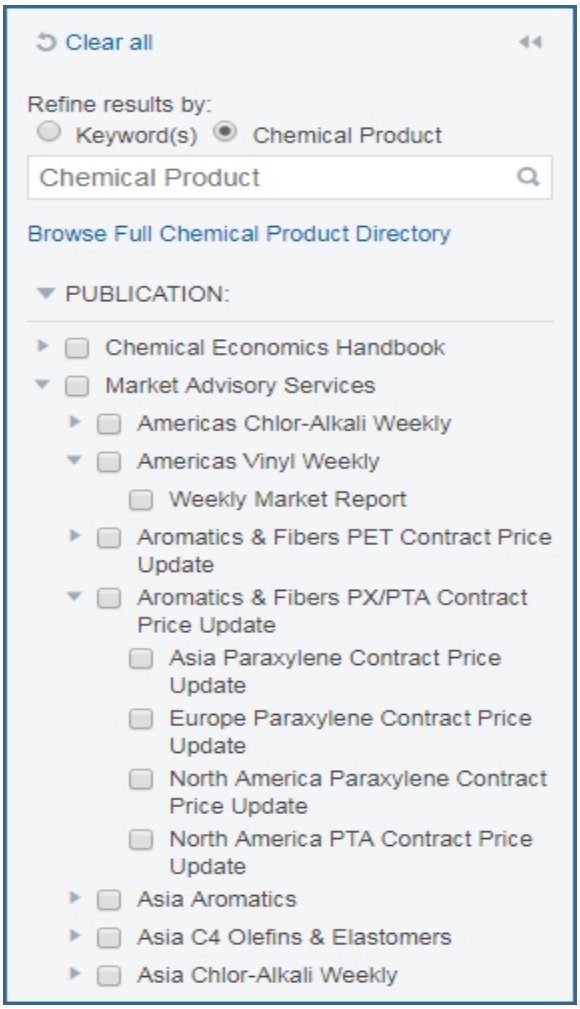
The **Chemical Product Directory** allows you to use numbers and the alphabet list to select filter items. Hover over an item and click it to add it to the **Selected** list.

Once your choices appear in the **Selected** list, you can **Apply** them. Use the **Clear all** feature to clear the selected list.



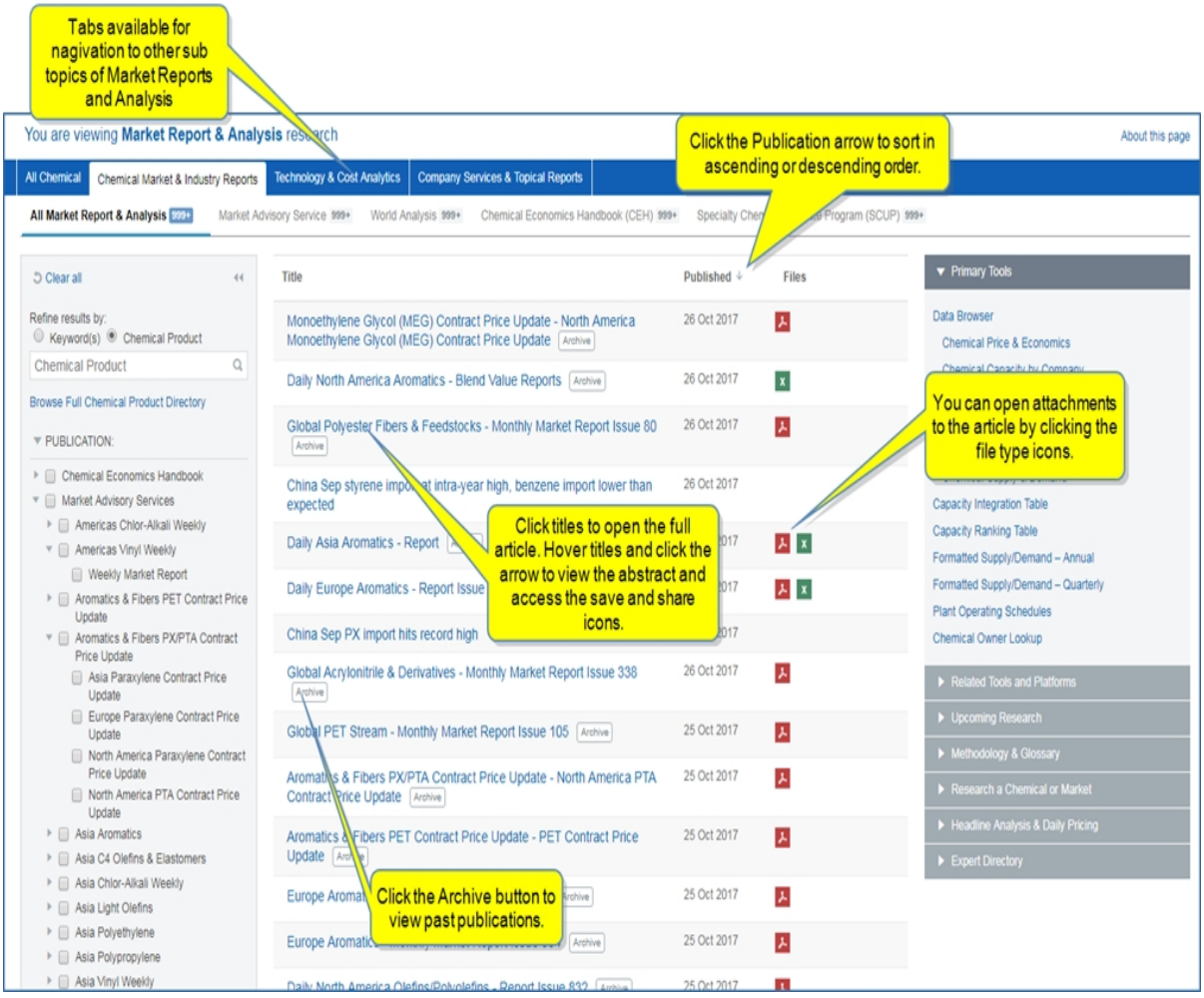


Other filter options include Publication, File Type, Publish Frequency, and Geography. Click arrows to expand lists and drill down to an item.

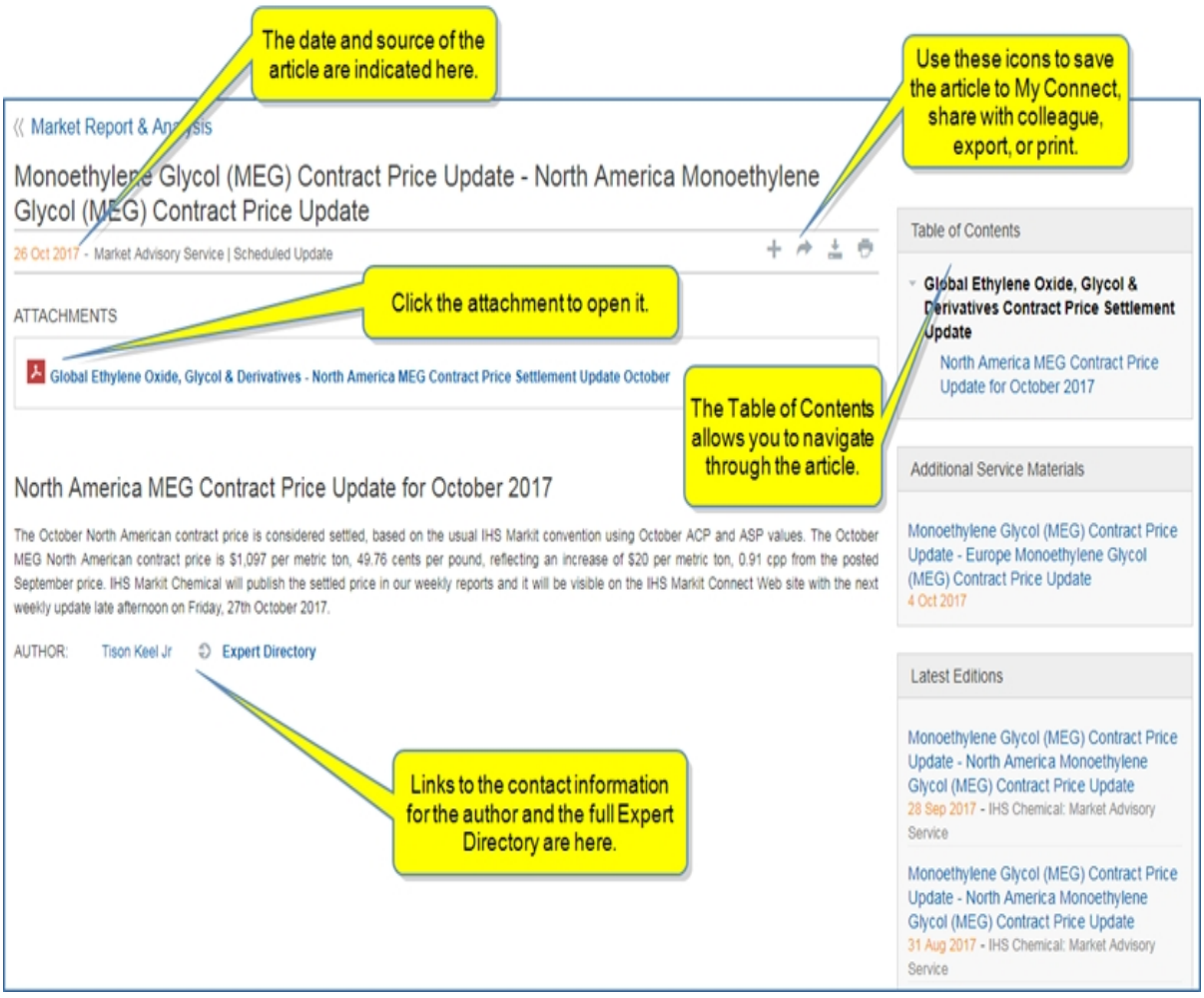


Viewing results

Results are displayed in the center pane for Market Reports & Analysis research. Tabs are available for **All Chemical**, **Technology & Cost Analytics**, and **Company Services & Tropical Reports**. (Note that links from the megamenu take you directly to each of these tabs as well.)



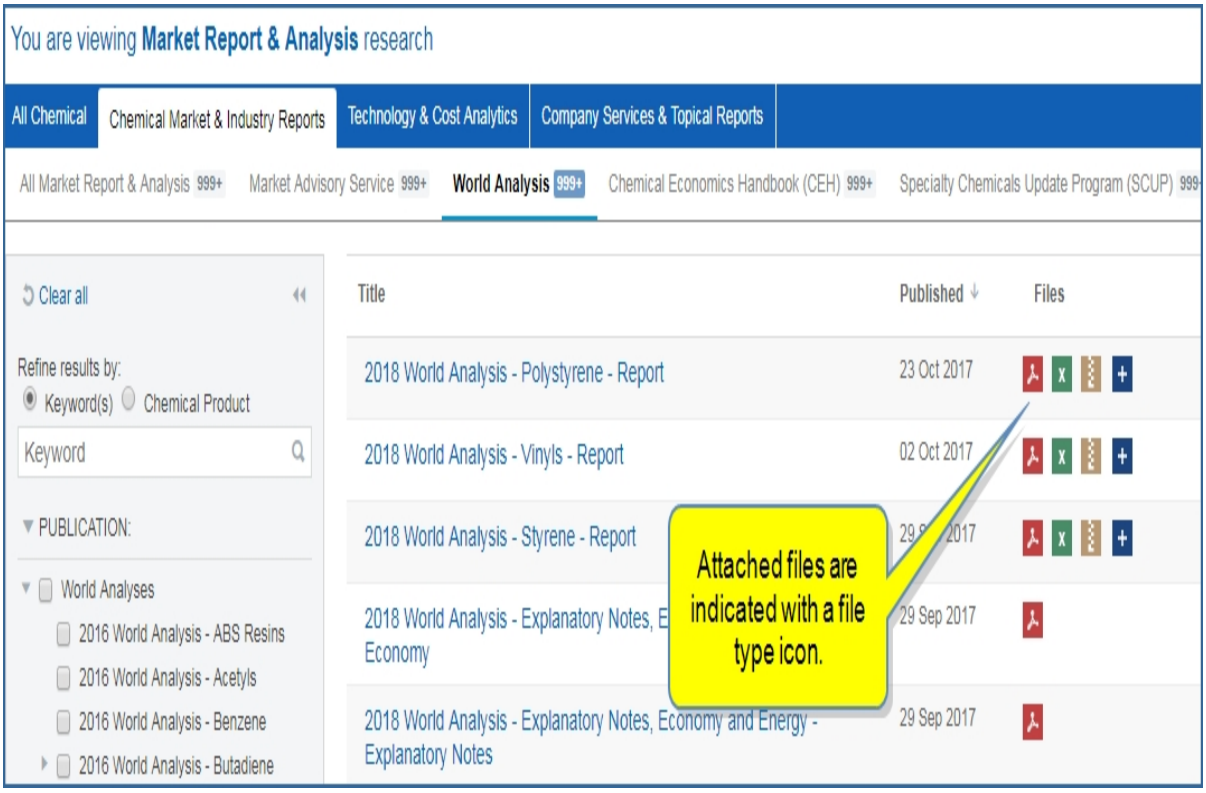
To view a full article, click the title.



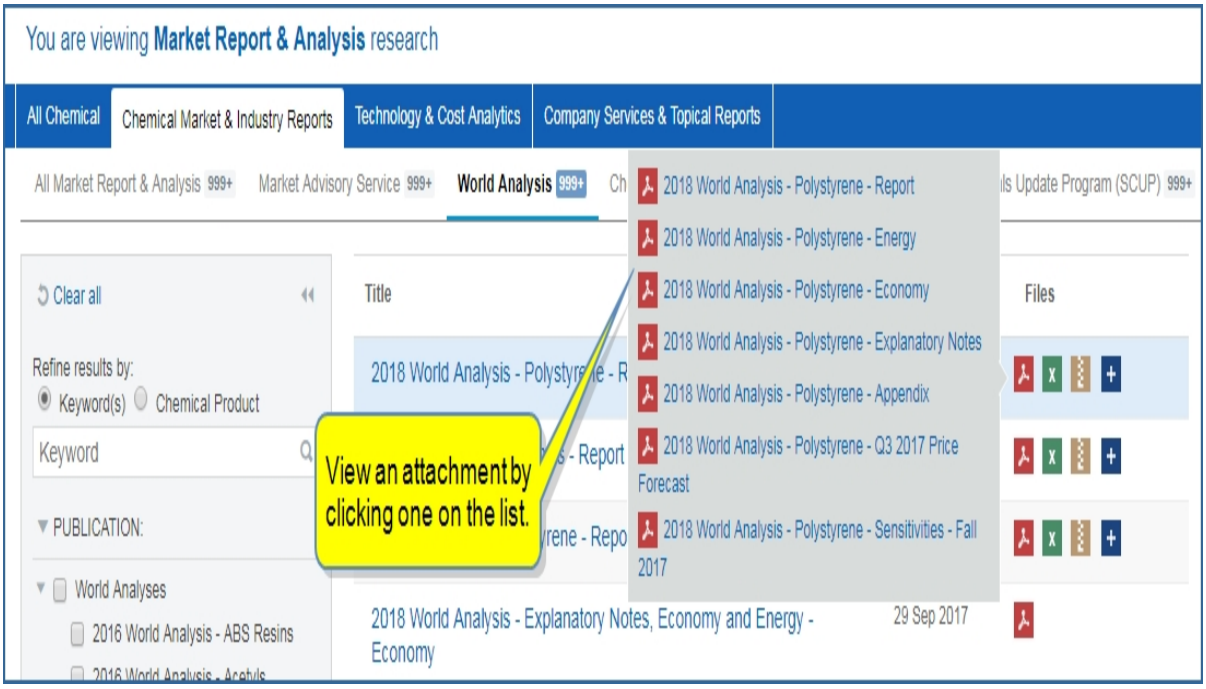
To read the abstract, save the article, or send the article to someone else, hover over the title, and then click the arrow.

Attached files are displayed with icons to the right of the title of a document for all publications. You can open an attached file from the results pane by clicking the icon.

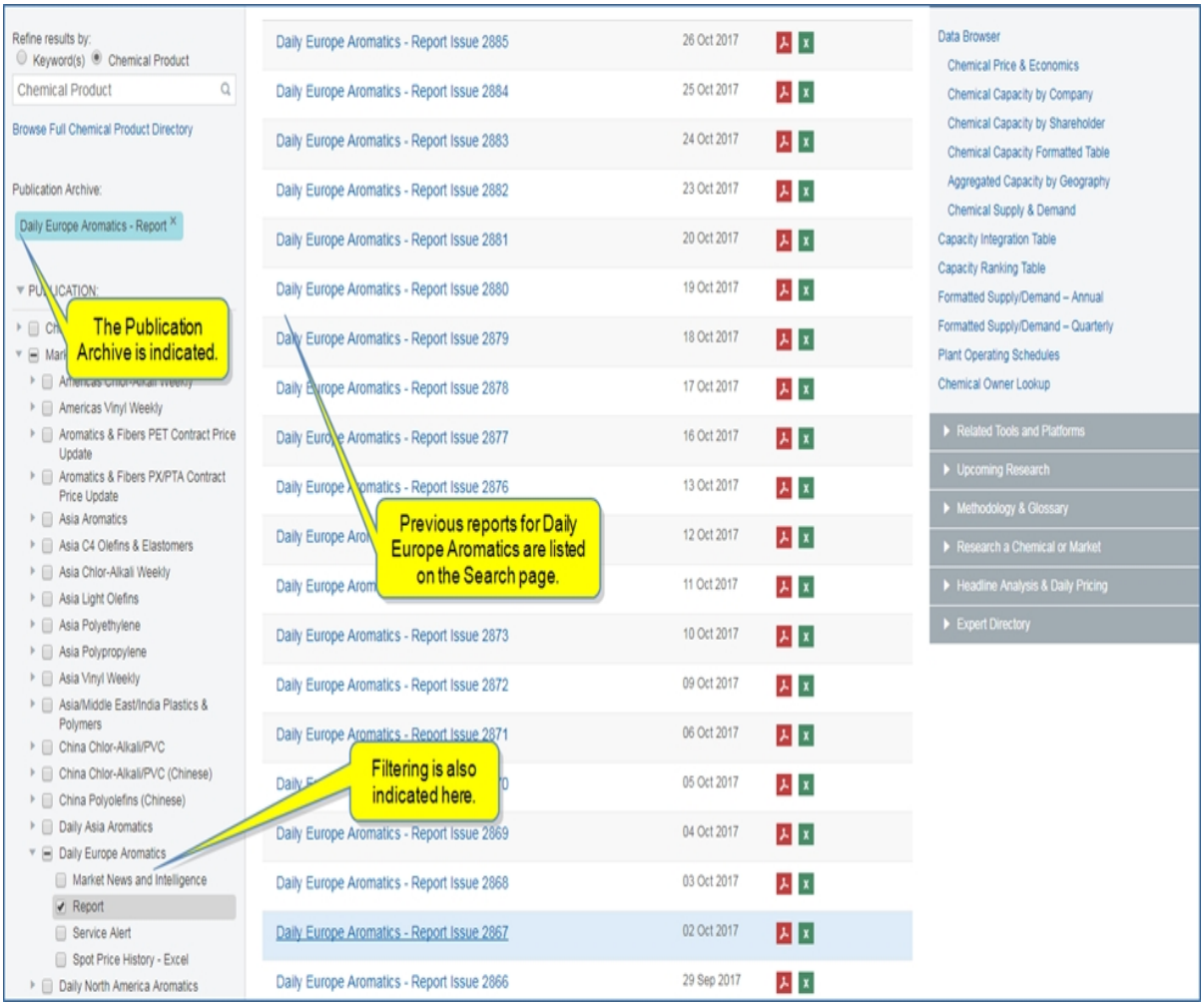
Under the **World Analysis** sub tab, you can view a list of files by clicking the icon.



Then select an attachment from the list to open it.

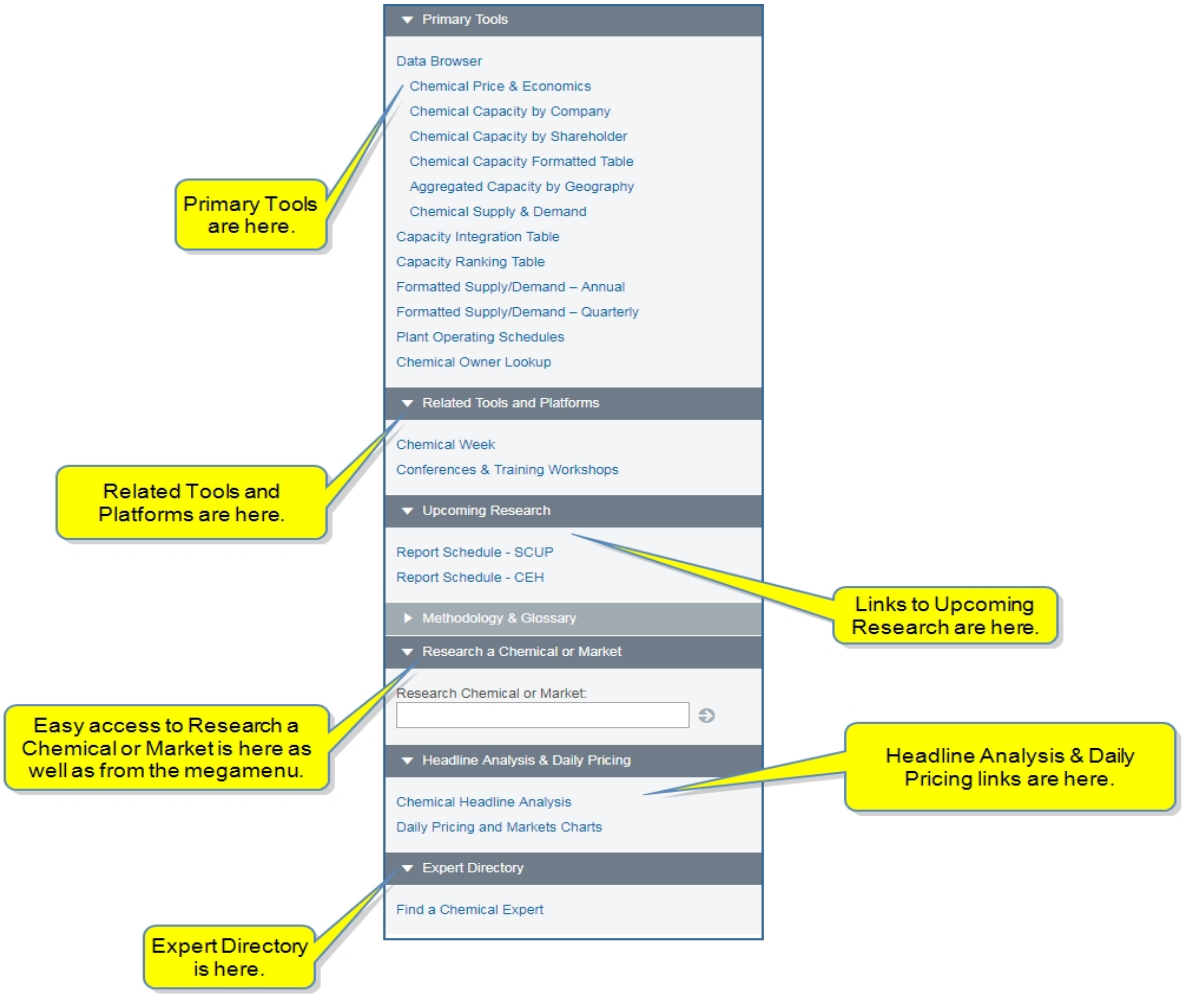


When you click the **Archive** button, prior publications are listed on the Search page.



Accessing tools

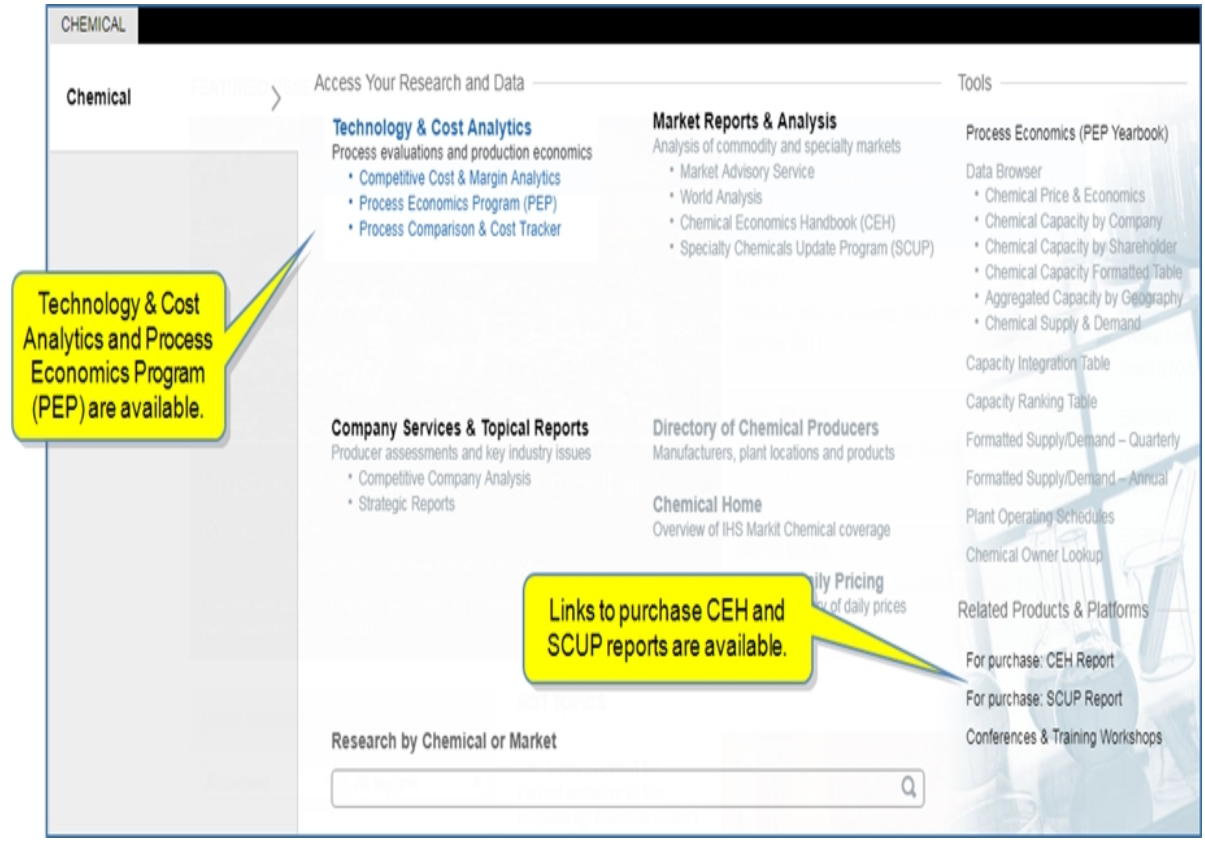
Tools, platforms, methodology, headline analysis and daily pricing, and more, are available in the expandable accordion bars on the right of the page. Links allow you to navigate to the items listed. Use the arrows in each bar to expand and contract.

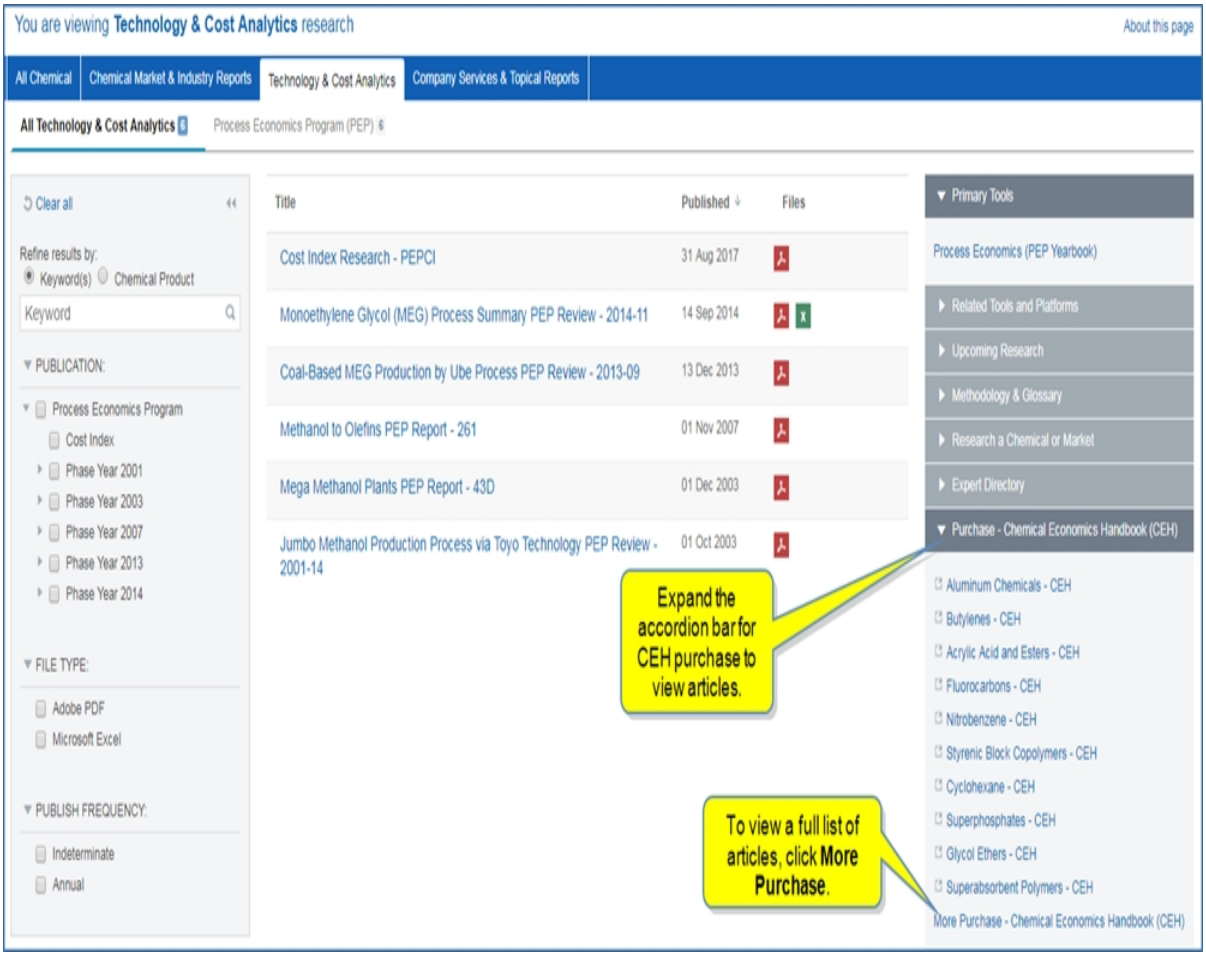


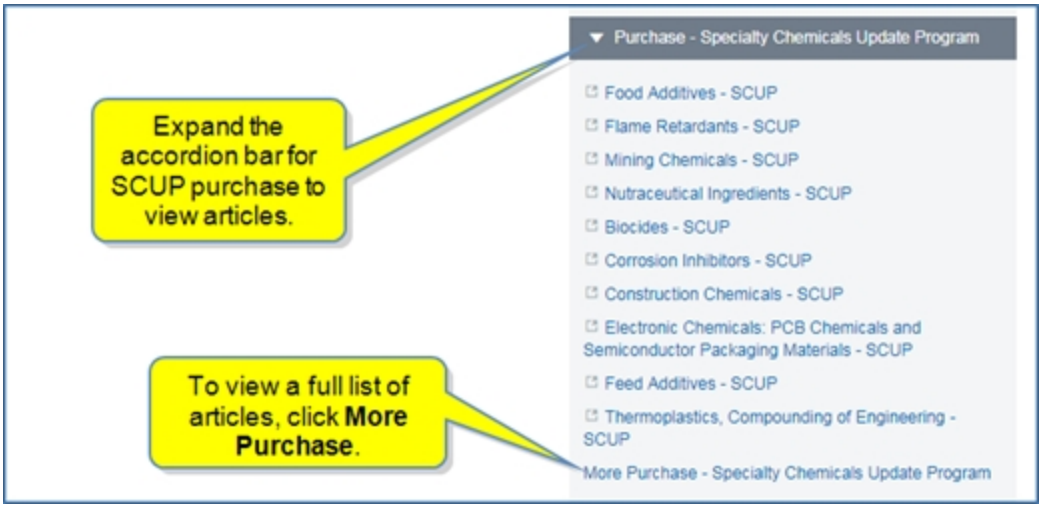
Purchasing from eCommerce

Articles from *Chemical Economics Handbook (CEH)* and *Specialty Chemicals Update Program (SCUP)* are not available for viewing to subscribers to *Process Economics Program (PEP)*, only. However, individual articles are available for purchase on IHS.com.

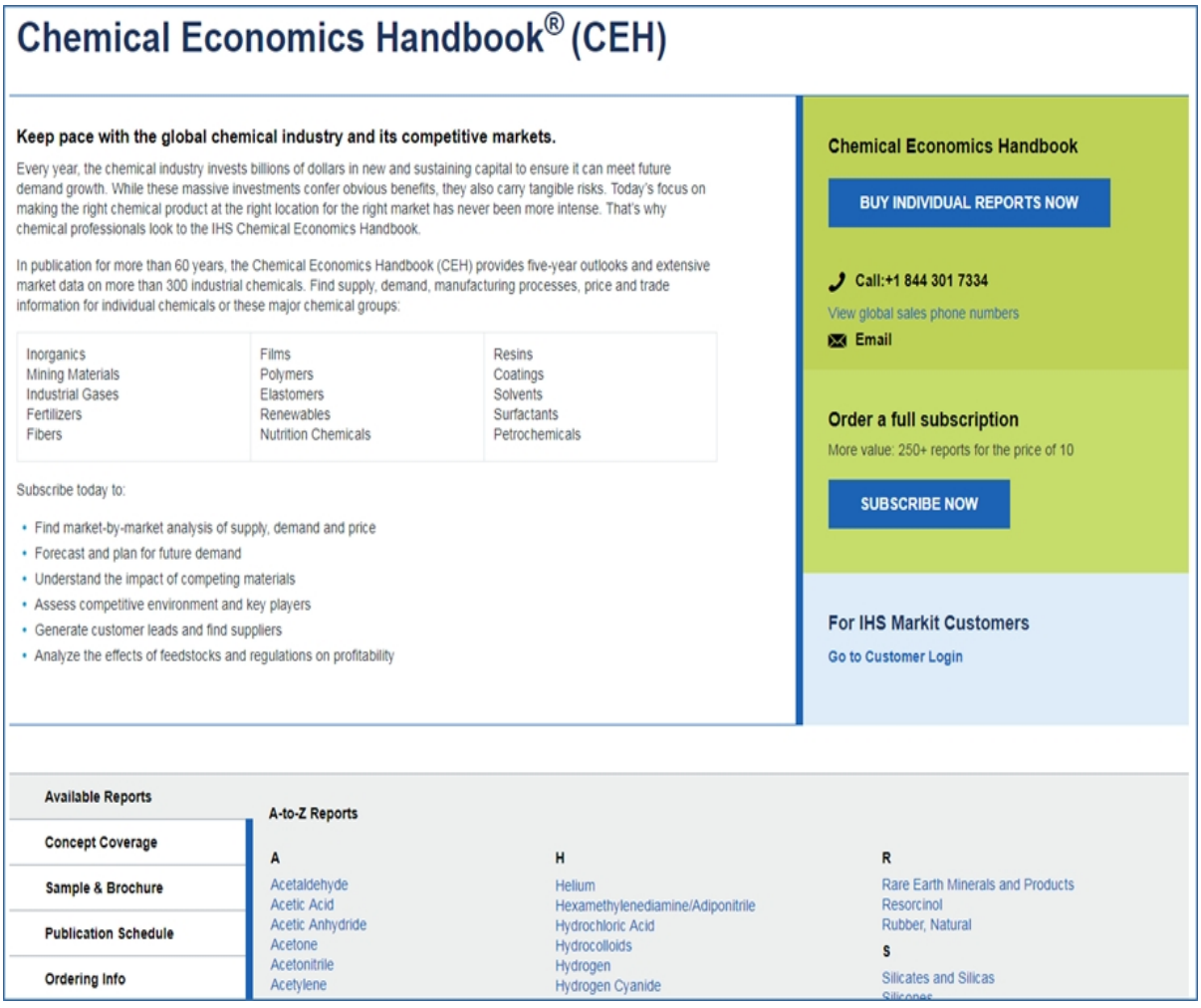
Links for purchasing CEH or SCUP articles are displayed on the megamenu page and in the tools pane of the Technology & Cost Analytics page. The 10 latest reports are listed in the tools pane.


CHEMICAL
Chemical
Access Your Research and Data
Technology & Cost Analytics
Process evaluations and production economics
• Competitive Cost & Margin Analytics
• Process Economics Program (PEP)
• Process Comparison & Cost Tracker
Market Reports & Analysis
Analysis of commodity and specialty markets
• Market Advisory Service
• World Analysis
• Chemical Economics Handbook (CEH)
• Specialty Chemicals Update Program (SCUP)
Tools
Process Economics (PEP Yearbook)
Data Browser
• Chemical Price & Economics
• Chemical Capacity by Company
• Chemical Capacity by Shareholder
• Chemical Capacity Formatted Table
• Aggregated Capacity by Geography
• Chemical Supply & Demand
Capacity Integration Table
Capacity Ranking Table
Formatted Supply/Demand – Quarterly
Formatted Supply/Demand – Annual
Plant Operating Schedules
Chemical Owner Lookup
Technology & Cost Analytics and Process Economics Program (PEP) are available.
Company Services & Topical Reports
Producer assessments and key industry issues
• Competitive Company Analysis
• Strategic Reports
Directory of Chemical Producers
Manufacturers, plant locations and products
Chemical Home
Overview of IHS Markit Chemical coverage
Links to purchase CEH and SCUP reports are available.
Related Products & Platforms
For purchase: CEH Report
For purchase: SCUP Report
Conferences & Training Workshops
Research by Chemical or Market

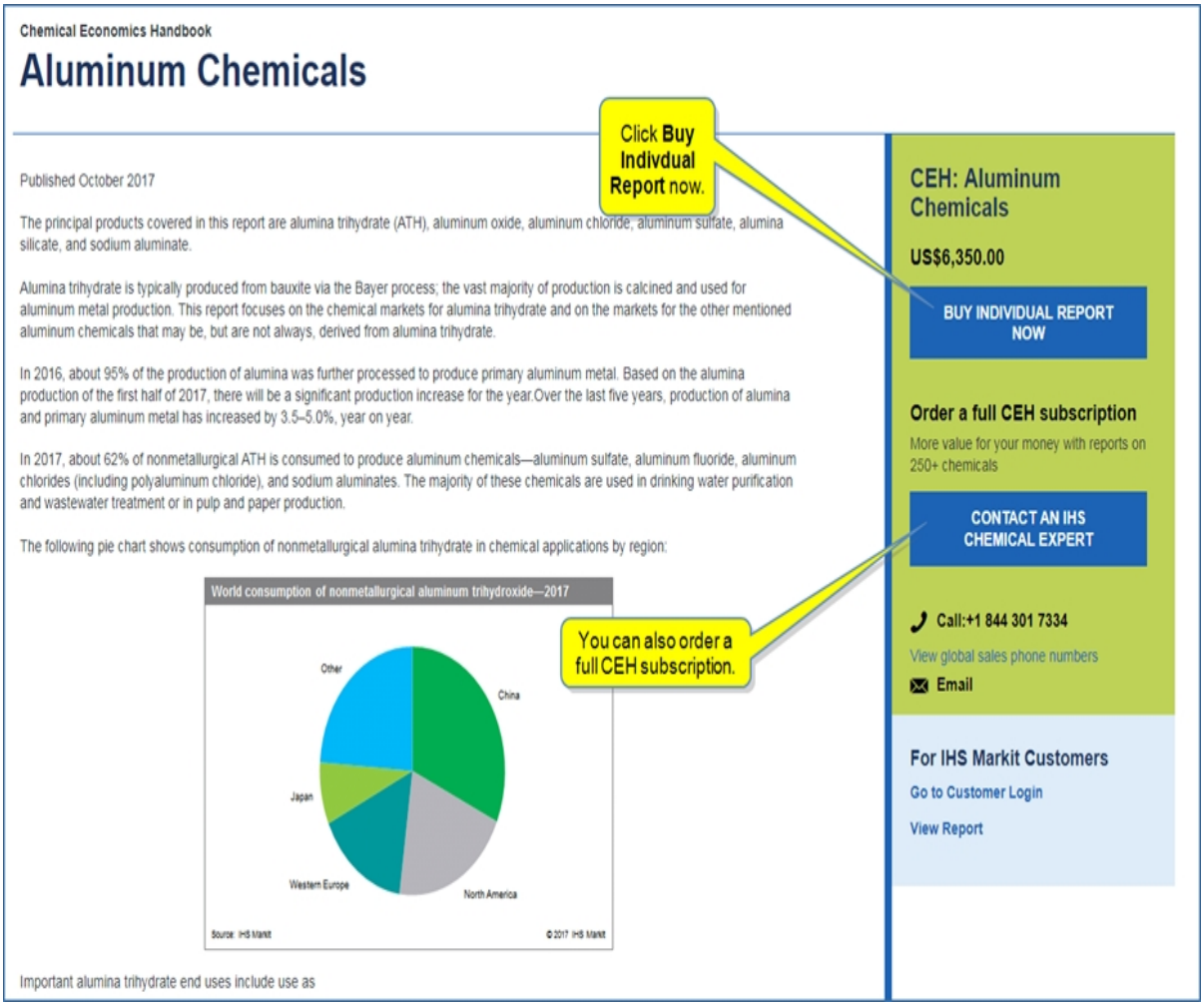

You are viewing Technology & Cost Analytics research
About this page
All Chemical
Chemical Market & Industry Reports
Technology & Cost Analytics
Company Services & Topical Reports
All Technology & Cost Analytics
Process Economics Program (PEP)
Clear all
Refine results by:
Keyword(s)
Chemical Product
Keyword
PUBLICATION:
Process Economics Program
Cost Index
Phase Year 2001
Phase Year 2003
Phase Year 2007
Phase Year 2013
Phase Year 2014
FILE TYPE:
Adobe PDF
Microsoft Excel
PUBLISH FREQUENCY:
Indeterminate
Annual
Title
Published
Files
Cost Index Research - PEPCI
31 Aug 2017
Monoethylene Glycol (MEG) Process Summary PEP Review - 2014-11
14 Sep 2014
Coal-Based MEG Production by Ube Process PEP Review - 2013-09
13 Dec 2013
Methanol to Olefins PEP Report - 261
01 Nov 2007
Mega Methanol Plants PEP Report - 43D
01 Dec 2003
Jumbo Methanol Production Process via Toyo Technology PEP Review - 2001-14
01 Oct 2003
Expand the accordion bar for CEH purchase to view articles.
To view a full list of articles, click More Purchase.
Primary Tools
Process Economics (PEP Yearbook)
Related Tools and Platforms
Upcoming Research
Methodology & Glossary
Research a Chemical or Market
Expert Directory
Purchase - Chemical Economics Handbook (CEH)
Aluminum Chemicals - CEH
Butylenes - CEH
Acrylic Acid and Esters - CEH
Fluorocarbons - CEH
Nitrobenzene - CEH
Styrenic Block Copolymers - CEH
Cyclohexane - CEH
Superphosphates - CEH
Glycol Ethers - CEH
Superabsorbent Polymers - CEH
More Purchase - Chemical Economics Handbook (CEH)



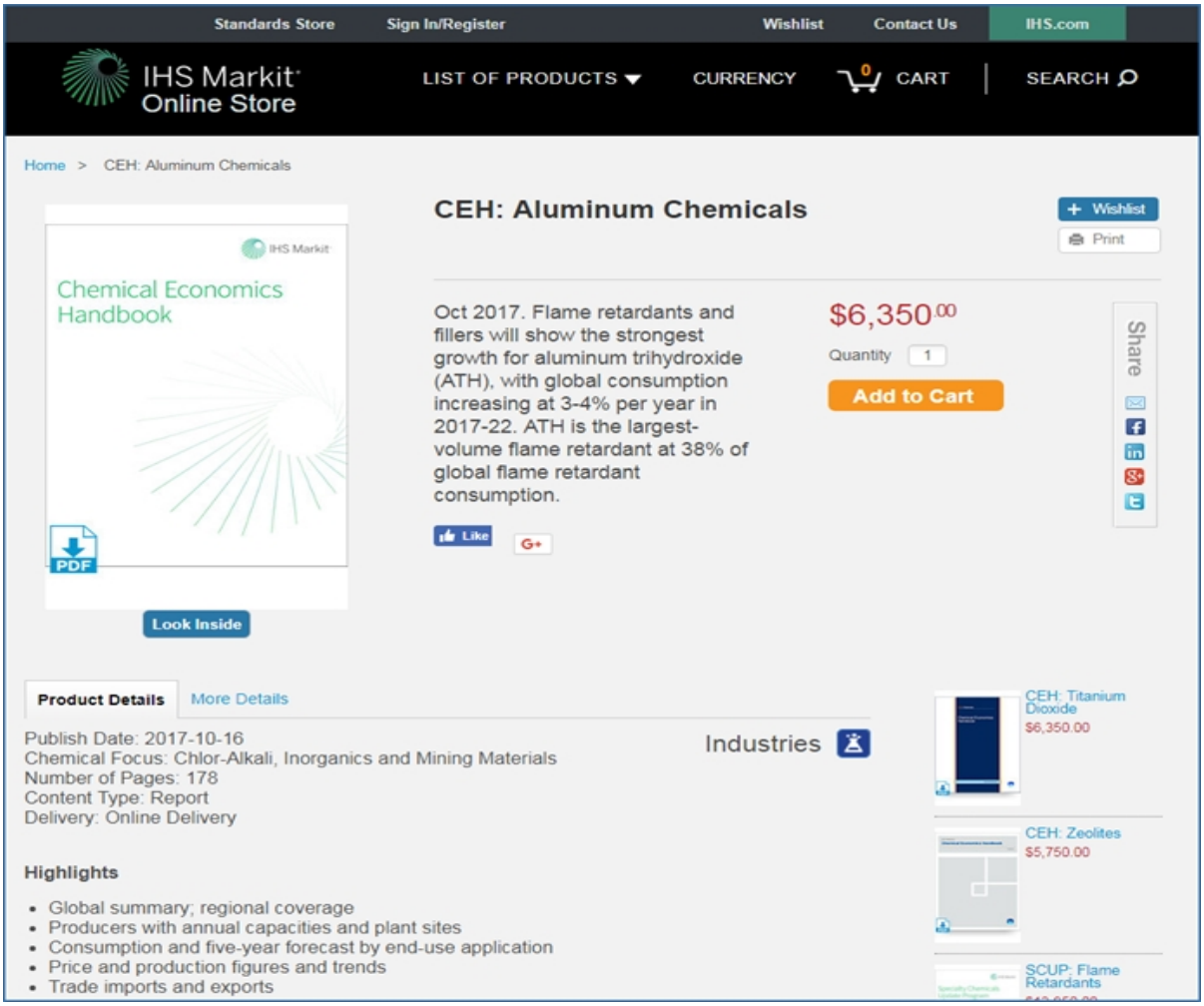
Selecting **More Purchase** opens a directory of all reports A-to-Z.



Select an article from the list to navigate to ihs.com for purchase.

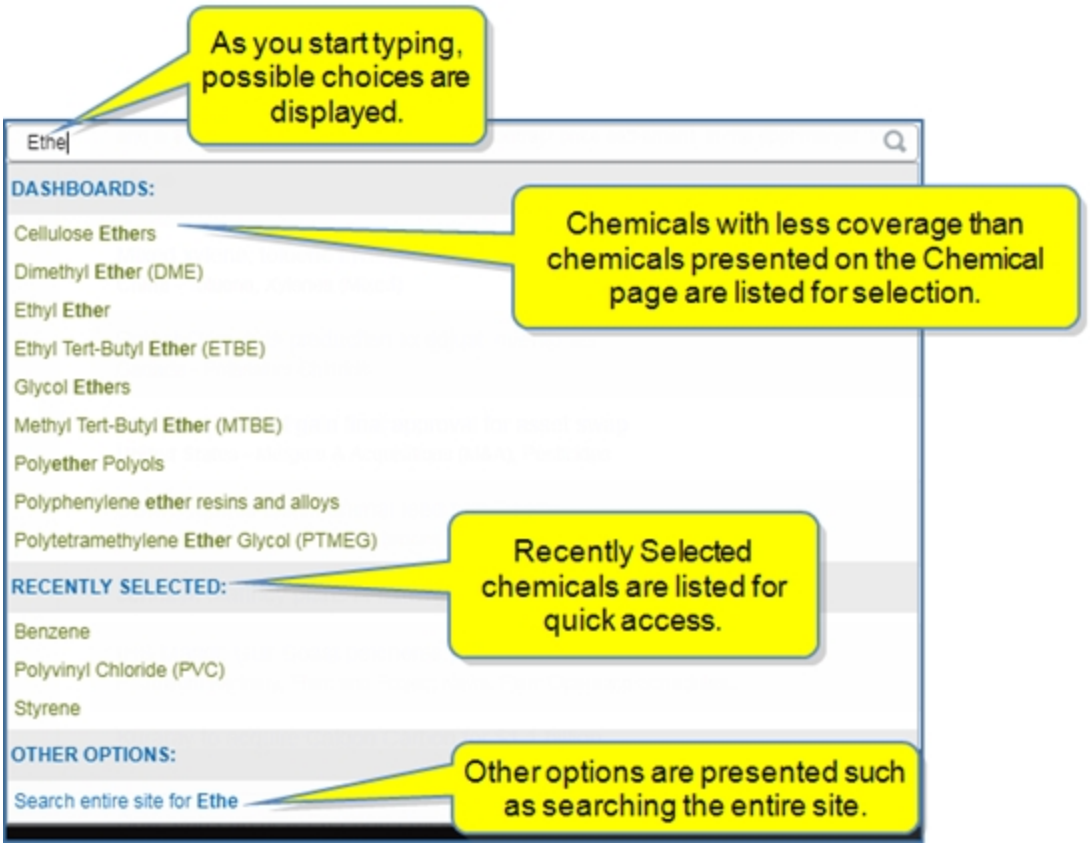


Click Buy Individual Report Now to open IHS Markit Online Store to purchase the report.



Using Research by Chemical or Market

Begin typing a chemical or market. Connect auto suggests possible choices, SEARCH ONLY choices, and RECENTLY SELECTED choices.



Chemicals with less coverage than chemicals presented on the Chemical Home page are displayed on a Search page. When you start to type a chemical and Connect suggests a possible list, the chemicals with less coverage are listed under OTHER OPTIONS. This means the information for that chemical will be presented on a pre-populated Search page that displays the research available on Connect for this chemical.

When you select a non-Search only chemical, you reach a full page dedicated to that chemical where information is broken down across a number of modules.

Technology and Cost Analytics

Technology and Cost Analytics provides process evaluations and production economics that include competitive cost and margin analytics and Process Economics Program (PEP).

The reports page opens with **Technology & Cost Analytics** displayed.

Tabs are available for **All Chemical**, **Chemical Market & Industry Reports**, **Technology & Cost Analytics**, and **Company Services and Tropical Reports**. Sub tabs are available on each page as follows:

- ***All Chemical***—All Chemical reports are displayed
- ***Chemical Market and Industry Reports***—All Market Report and Analysis, Market Advisory Service, World Analysis, Chemical Economics Handbook (CEH), and Specialty Chemicals Update Program (SCUP)
- ***Technology and Cost Analytics***—All Technology and Cost Analytics, Competitive Cost and Margin Analytics, and Process Economics Program (PEP)
- ***Company Services and Topical Reports***—All Company Services and Topical Reports, Competitive Company Analysis, and Strategic Reports

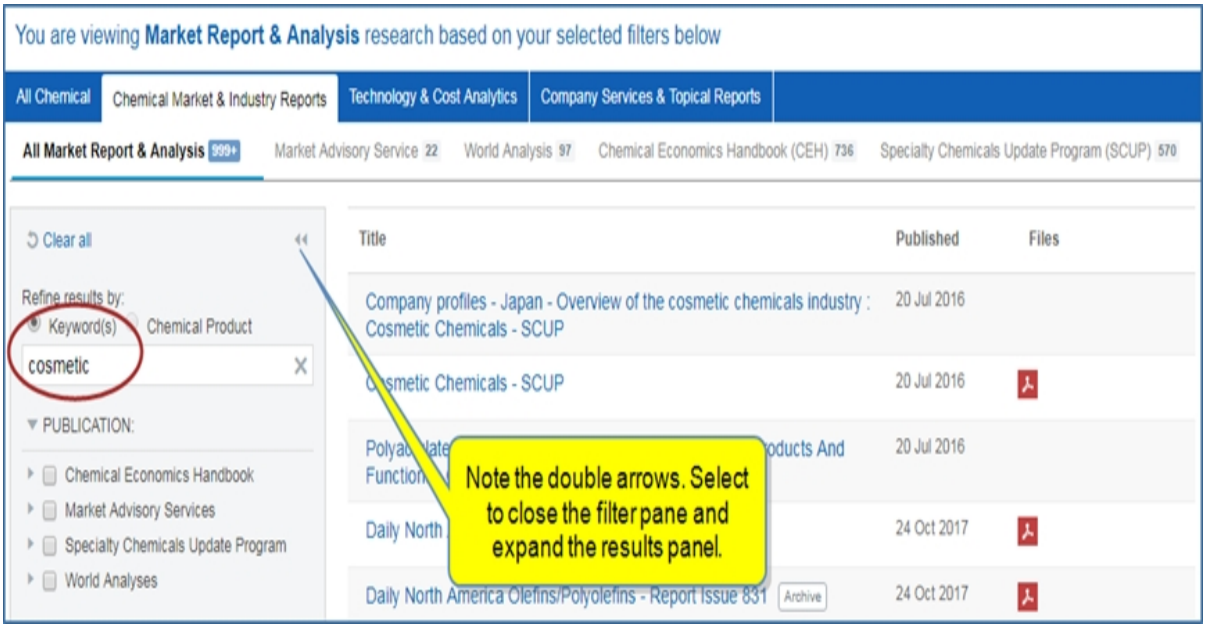
You also can go directly to a sub page by selecting it from the megamenu.

Using the filter pane

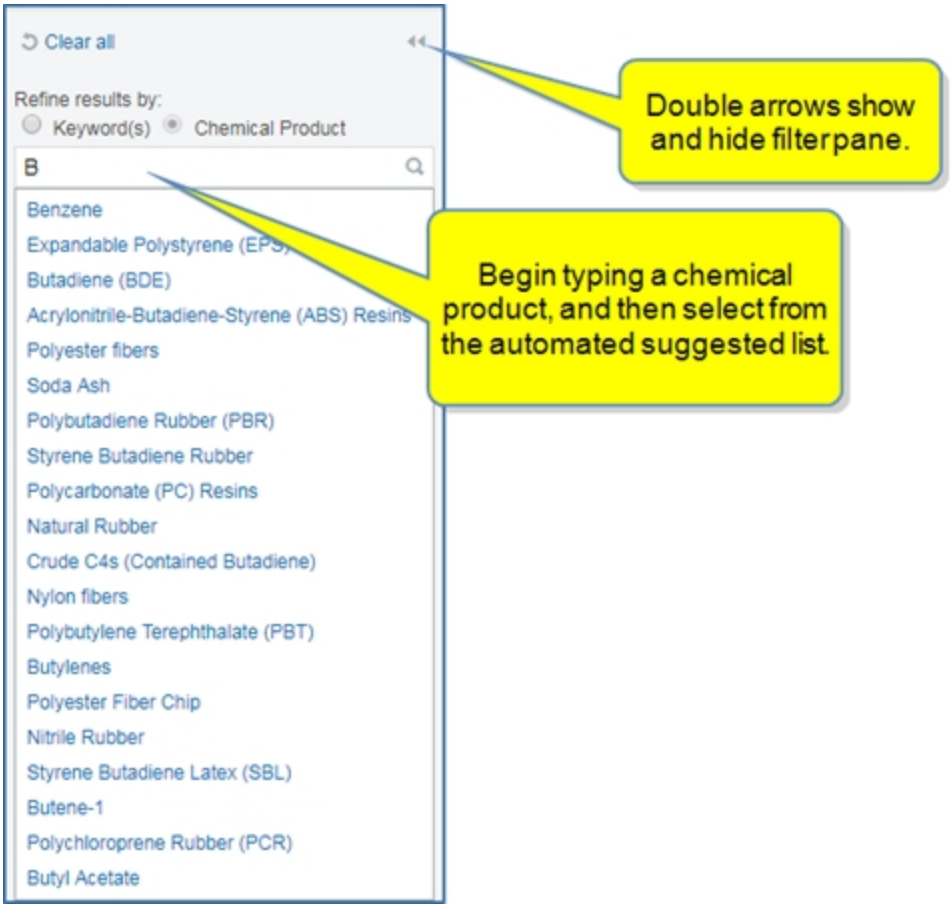
You can show or hide the filter pane by clicking the double arrows

By selecting the radio buttons, you can refine results using a **Keyword(s)** or a **Chemical Product**.

The following example shows results for the keyword "cosmetic." The results are global articles for the cosmetic chemical industry.

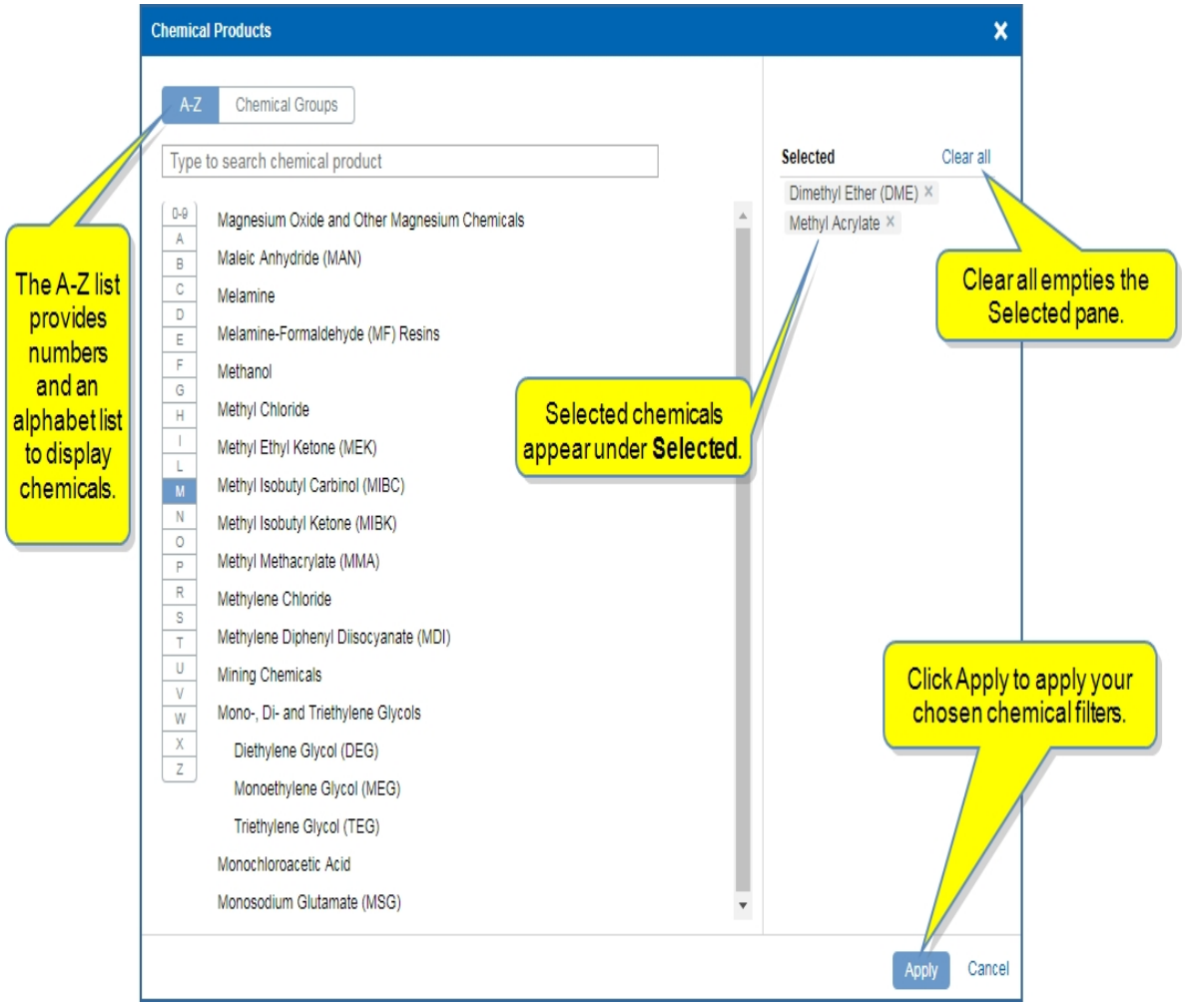


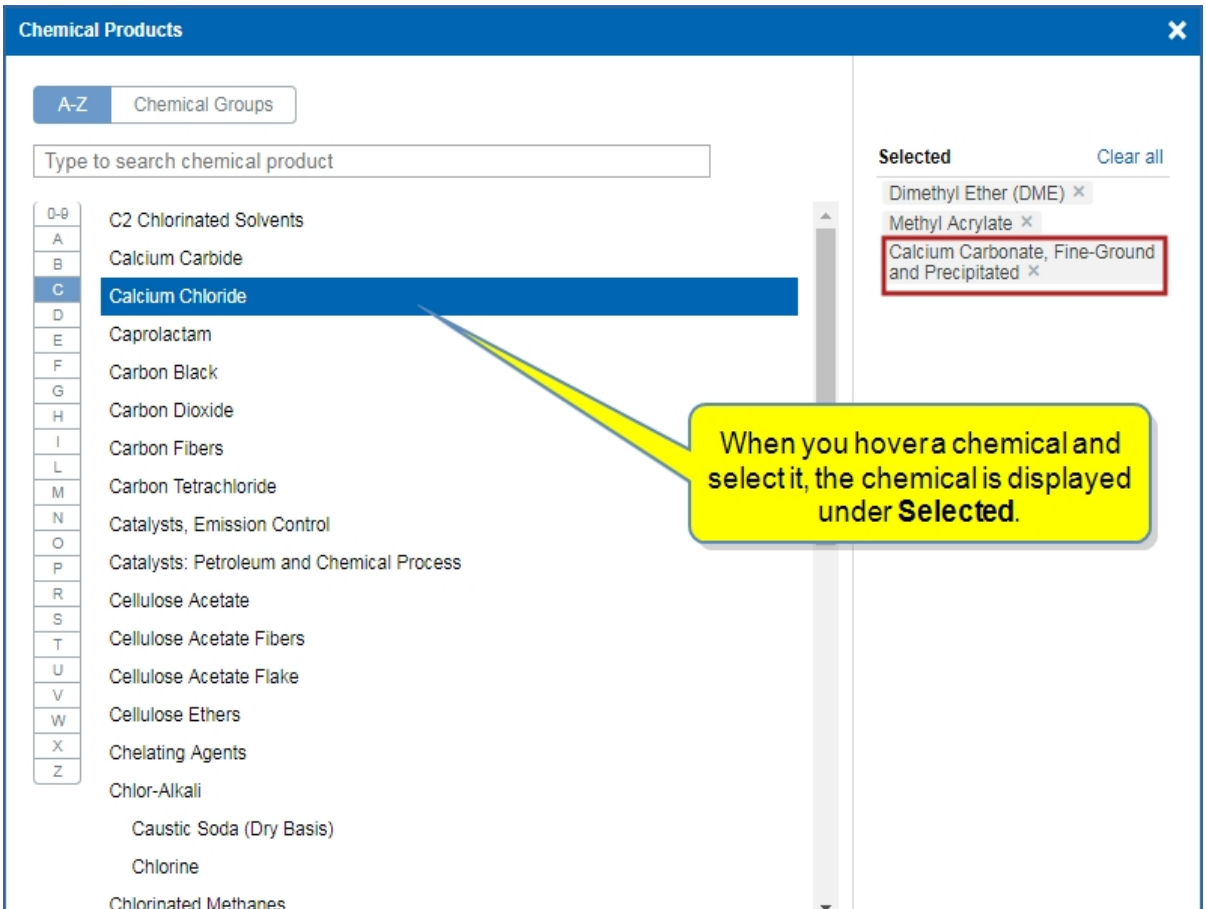
When you select **Chemical Product**, you can begin entering a chemical name in the search field and select from the auto generated suggestion list, or you can select the **Browse Full Chemical Product Directory** link.



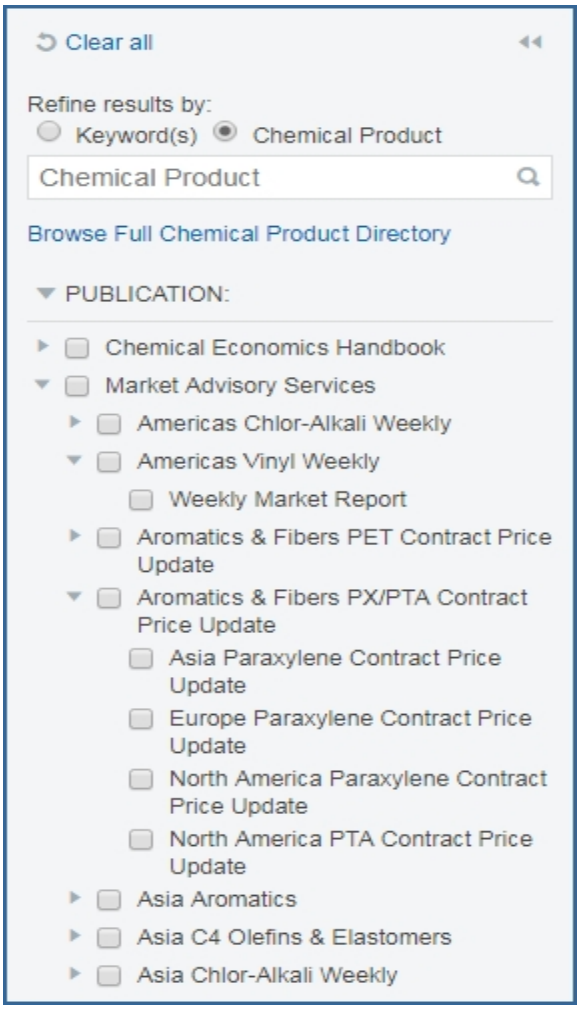
The **Chemical Product Directory** allows you to use numbers and the alphabet list to select filter items. Hover over an item and click it to add it to the **Selected** list.

Once your choices appear in the **Selected** list, you can **Apply** them. Use the **Clear all** feature to clear the selected list.


Chemical Products
A-Z
Chemical Groups
Type to search chemical product
0-9
A
B
C
D
E
F
G
H
I
L
M
N
O
P
R
S
T
U
V
W
X
Z
Magnesium Oxide and Other Magnesium Chemicals
Maleic Anhydride (MAN)
Melamine
Melamine-Formaldehyde (MF) Resins
Methanol
Methyl Chloride
Methyl Ethyl Ketone (MEK)
Methyl Isobutyl Carbinol (MIBC)
Methyl Isobutyl Ketone (MIBK)
Methyl Methacrylate (MMA)
Methylene Chloride
Methylene Diphenyl Diisocyanate (MDI)
Mining Chemicals
Mono-, Di- and Triethylene Glycols
Diethylene Glycol (DEG)
Monoethylene Glycol (MEG)
Triethylene Glycol (TEG)
Monochloroacetic Acid
Monosodium Glutamate (MSG)
Selected
Clear all
Dimethyl Ether (DME)
Methyl Acrylate
Apply
Cancel
The A-Z list provides numbers and an alphabet list to display chemicals.
Selected chemicals appear under Selected.
Clear all empties the Selected pane.
Click Apply to apply your chosen chemical filters.

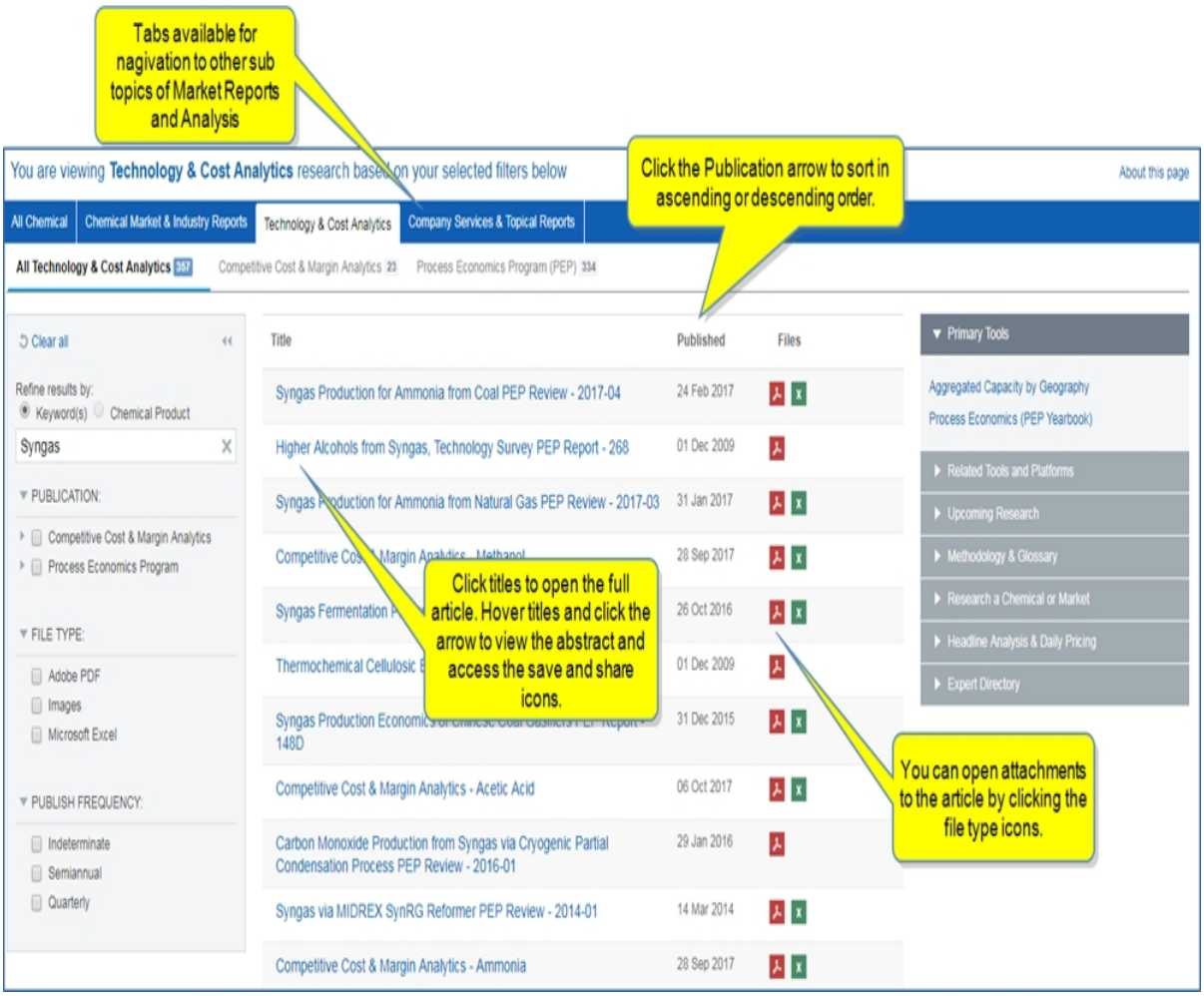

Chemical Products
A-Z
Chemical Groups
Type to search chemical product
0-9
A
B
C
D
E
F
G
H
I
L
M
N
O
P
R
S
T
U
V
W
X
Z
C2 Chlorinated Solvents
Calcium Carbide
Calcium Chloride
Caprolactam
Carbon Black
Carbon Dioxide
Carbon Fibers
Carbon Tetrachloride
Catalysts, Emission Control
Catalysts: Petroleum and Chemical Process
Cellulose Acetate
Cellulose Acetate Fibers
Cellulose Acetate Flake
Cellulose Ethers
Chelating Agents
Chlor-Alkali
Caustic Soda (Dry Basis)
Chlorine
Chlorinated Methanes
Selected
Clear all
Dimethyl Ether (DME)
Methyl Acrylate
Calcium Carbonate, Fine-Ground and Precipitated
When you hover a chemical and select it, the chemical is displayed under Selected.

Other filter options include Publication, File Type, Publish Frequency, and Geography. Click arrows to expand lists and drill down to an item.

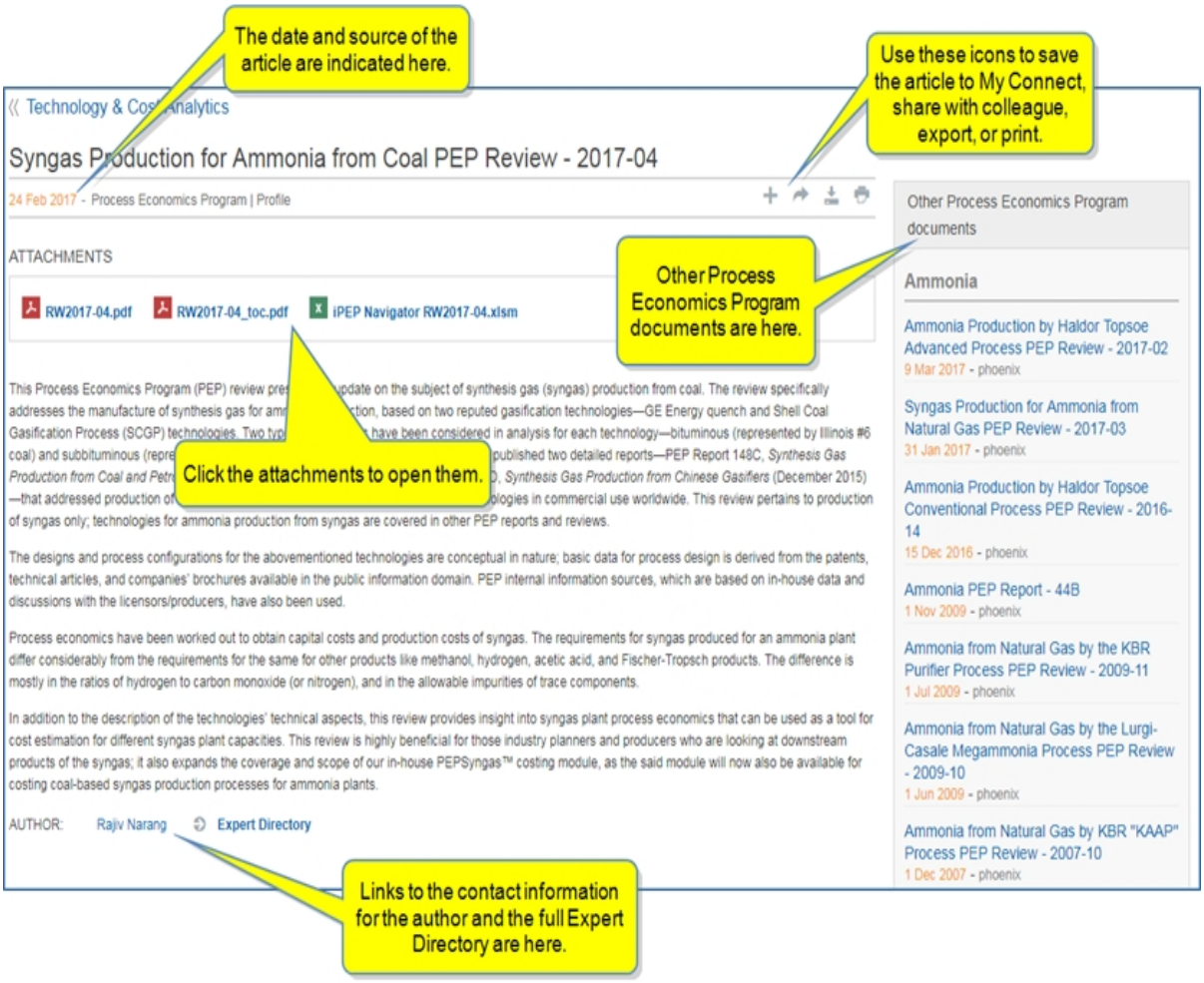


Viewing results

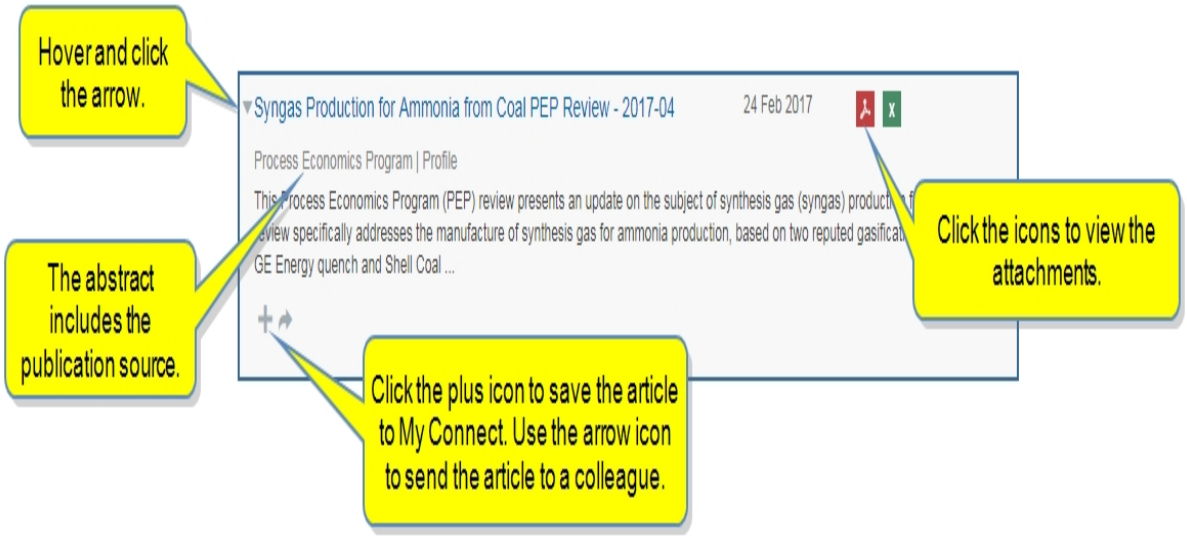
Results are displayed in the center pane for Technology and Cost Analytics research. Tabs are available for **All Chemical**, **Technology & Cost Analytics**, and **Company Services & Tropical Reports**. (Note that links from the megamenu take you directly to each of these tabs as well.)



To view a full article, click the title.



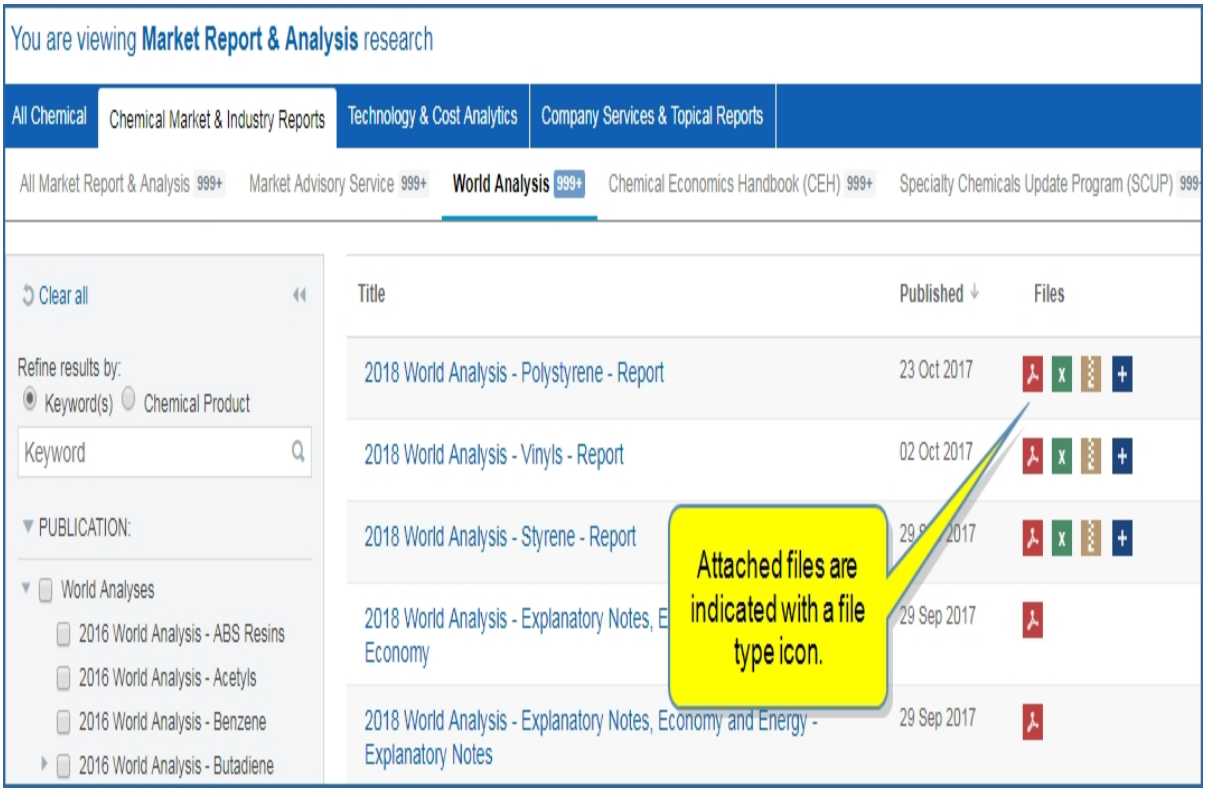
To read the abstract, save the article, or send the article to someone else, hover over the title, and then click the arrow.



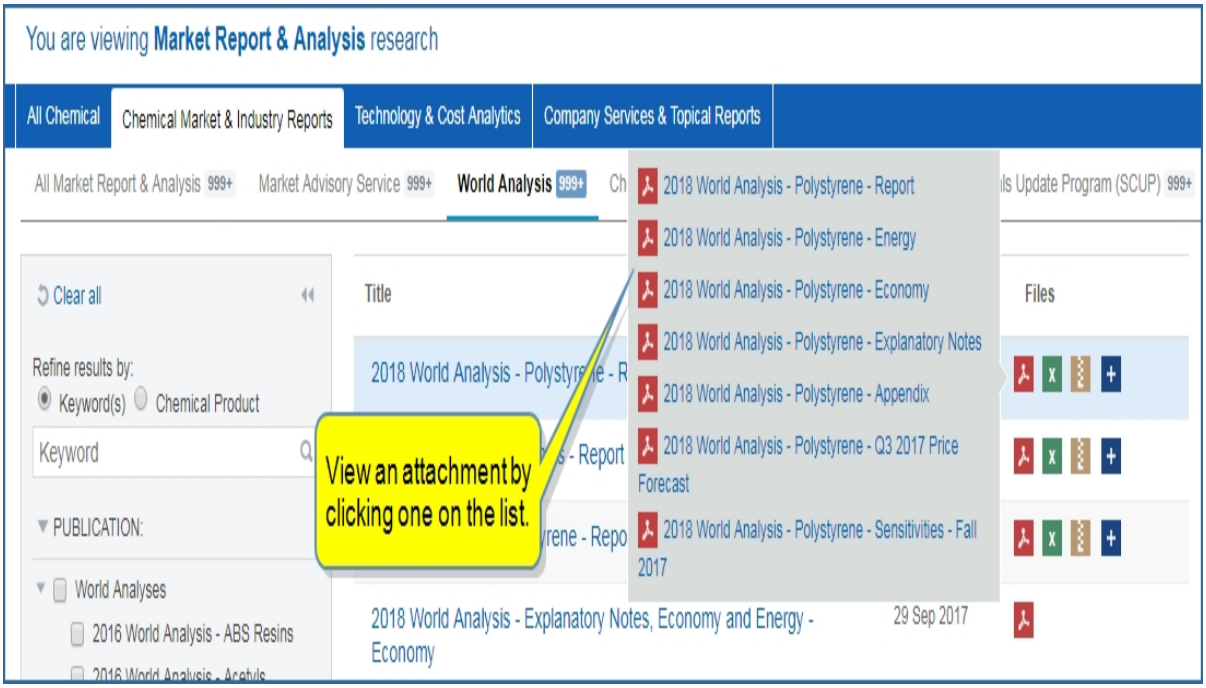
Attached files are displayed with icons to the right of the title of a document for all publications. You can open an attached file from the results pane by clicking the icon.

Under the **World Analysis** sub tab, attached files are also indicated with an icon.

In addition, you can view a list of files by clicking the icon.

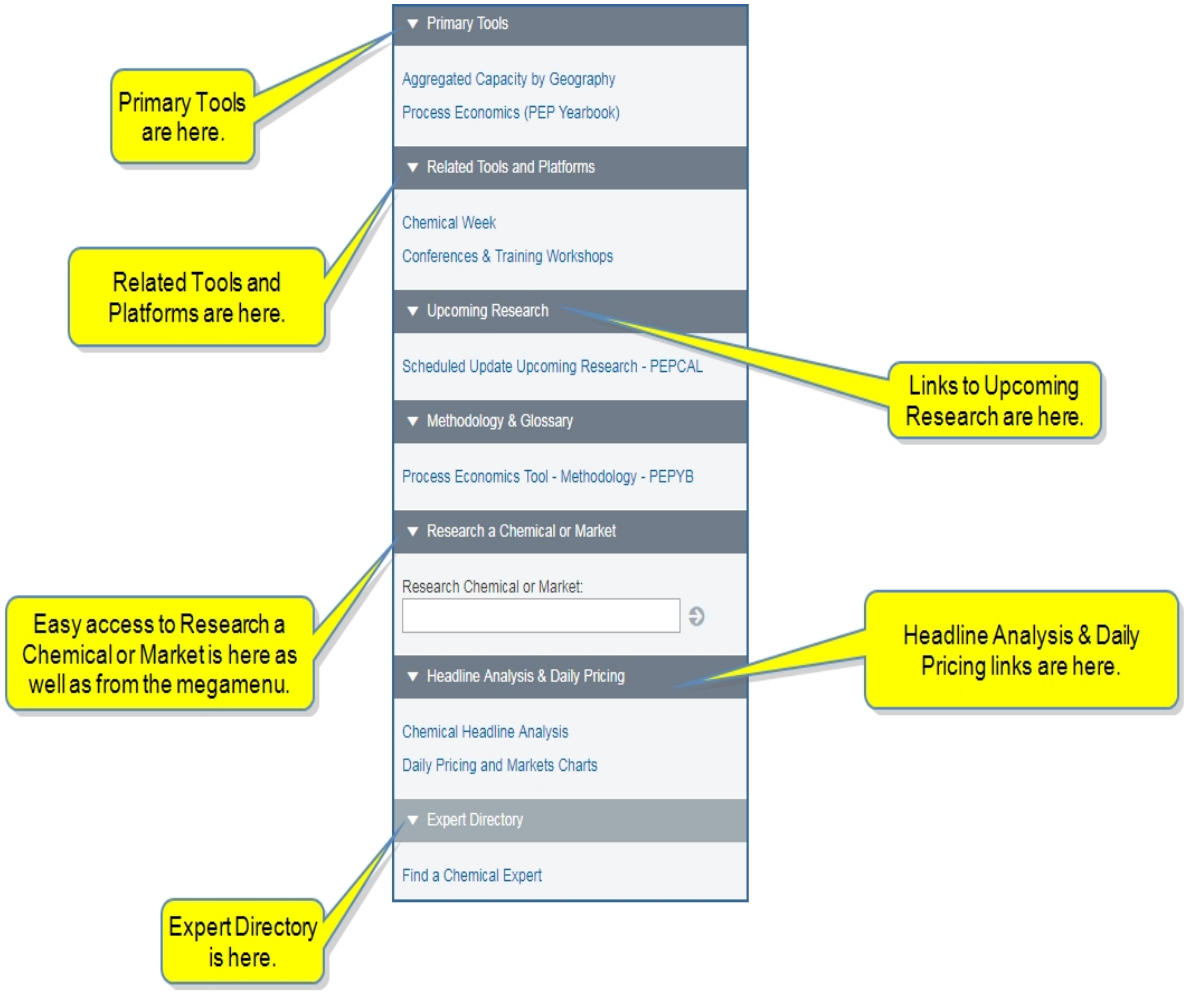


Then select an attachment from the list to open it.



Accessing tools

Tools, platforms, methodology, headline analysis and daily pricing, and more, are available in the expandable accordion bars on the right of the page. Links allow you to navigate to the items listed. Use the arrows in each bar to expand and contract.



Company Services and Topical Reports

Company Services and Topical Reports provides producer assessments and key industry issues that include competitive company analysis and strategic reports.

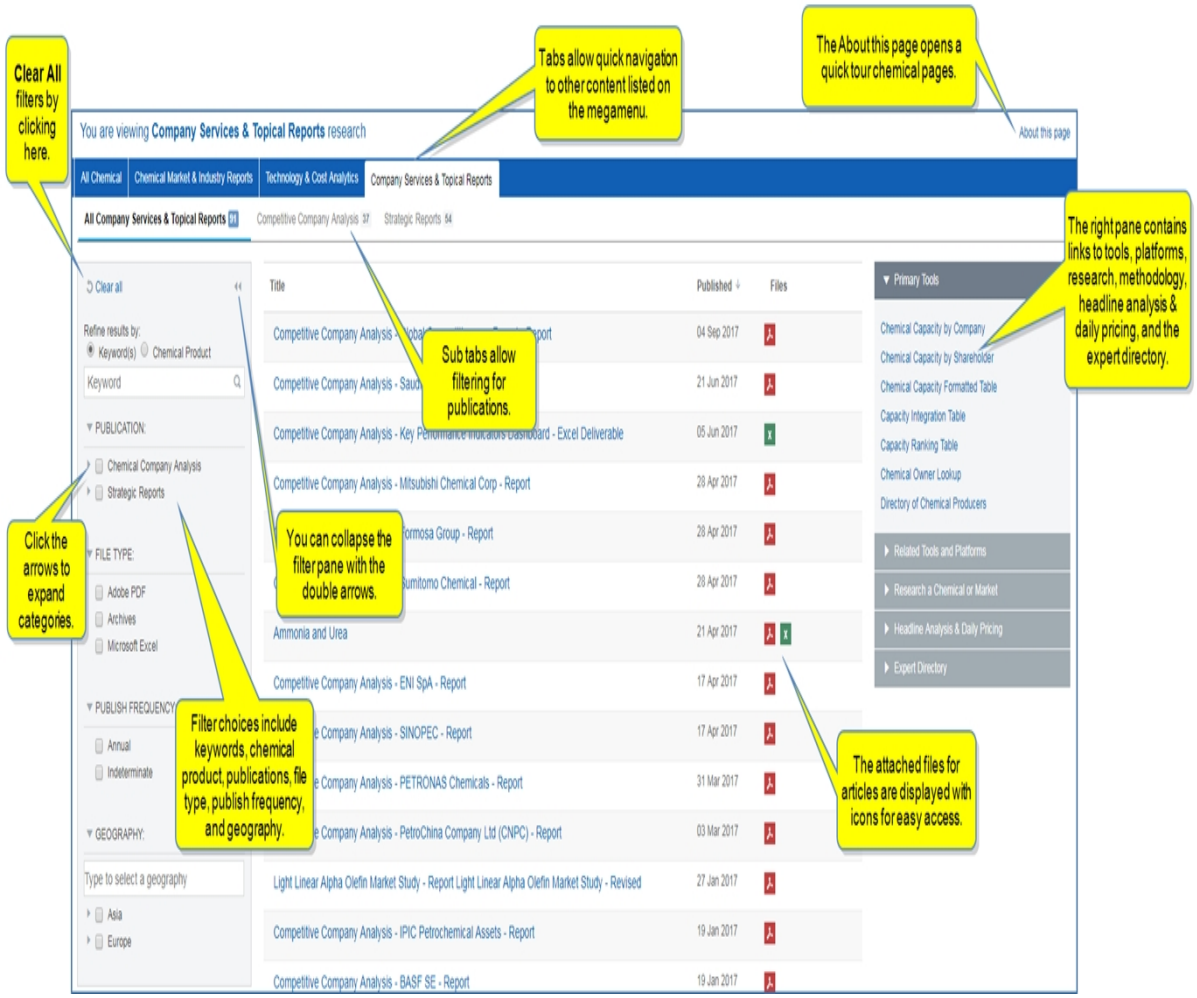
The reports page opens with **Company Services & Topical Reports** displayed.

Tabs are available for **All Chemical**, **Chemical Market & Industry Reports**, **Technology & Cost Analytics**, and **Company Services and Tropical Reports**. Sub tabs are available on each page as follows:

- ***All Chemical***—All Chemical reports are displayed

- ***Chemical Market and Industry Reports***—All Market Report and Analysis, Market Advisory Service, World Analysis, Chemical Economics Handbook (CEH), and Specialty Chemicals Update Program (SCUP)
- ***Technology and Cost Analytics***—All Technology and Cost Analytics, Competitive Cost and Margin Analytics, and Process Economics Program (PEP)
- ***Company Services and Topical Reports***—All Company Services and Topical Reports, Competitive Company Analysis, and Strategic Reports

You also can go directly to a sub page by selecting it from the megamenu.

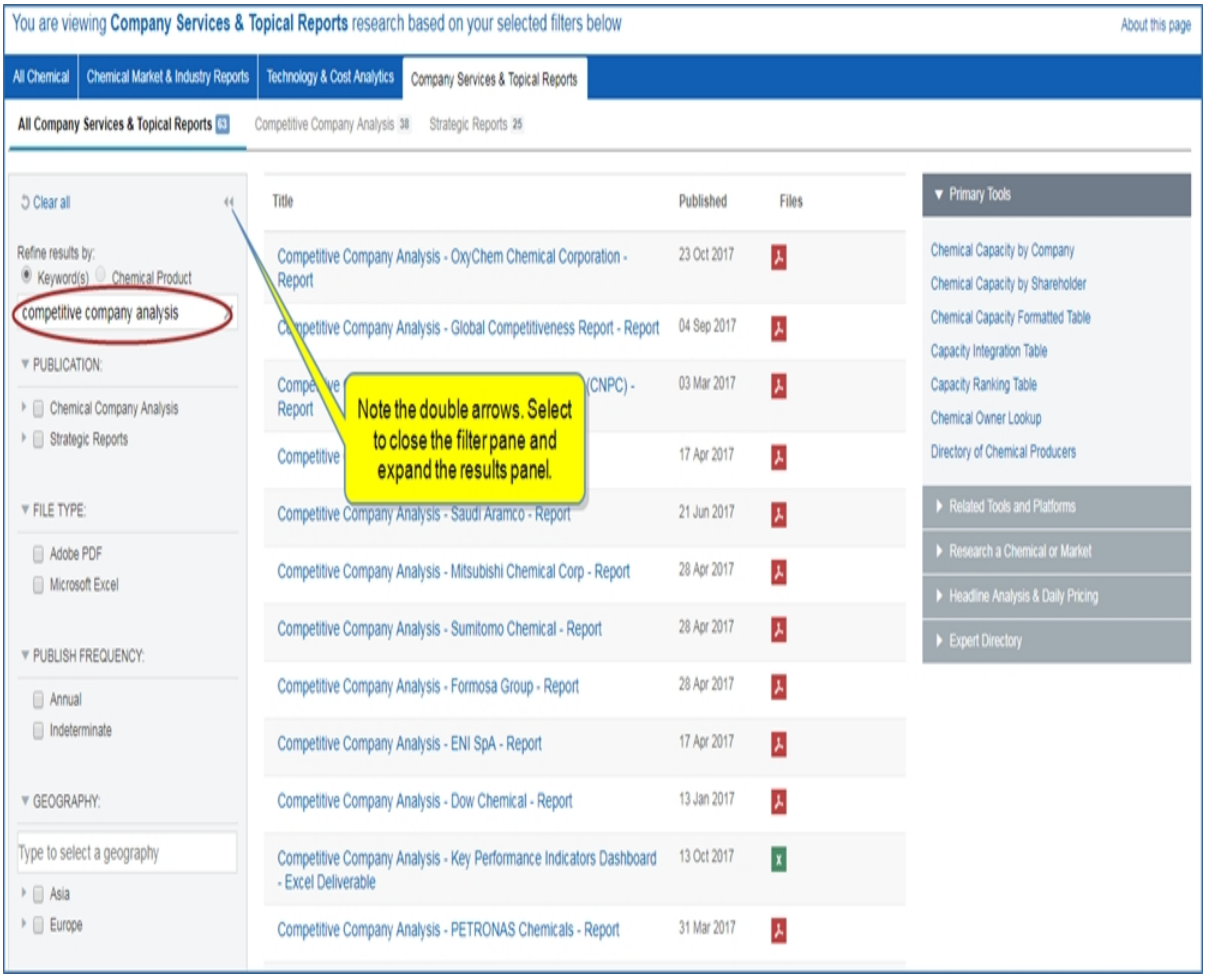


Using the filter pane

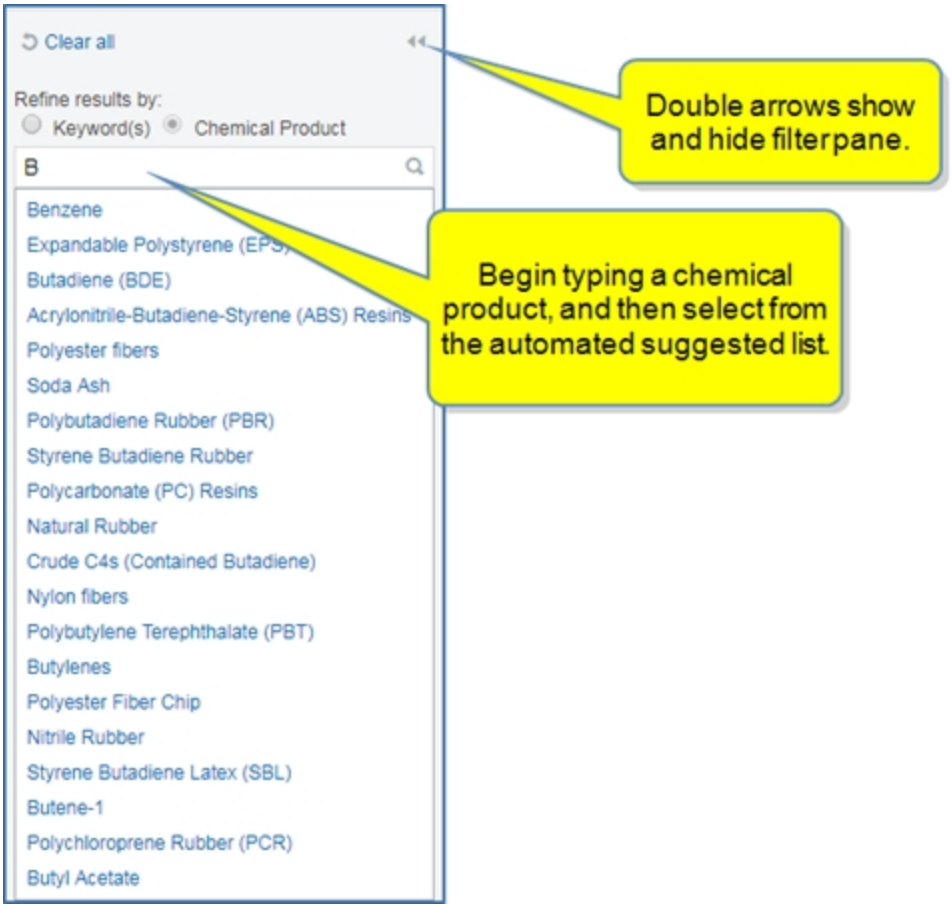
You can show or hide the filter pane by clicking the double arrows

By selecting the radio buttons, you can refine results using a **Keyword(s)** or a **Chemical Product**.

The following example shows results for the keywords "competitive company analysis." The results are global articles.

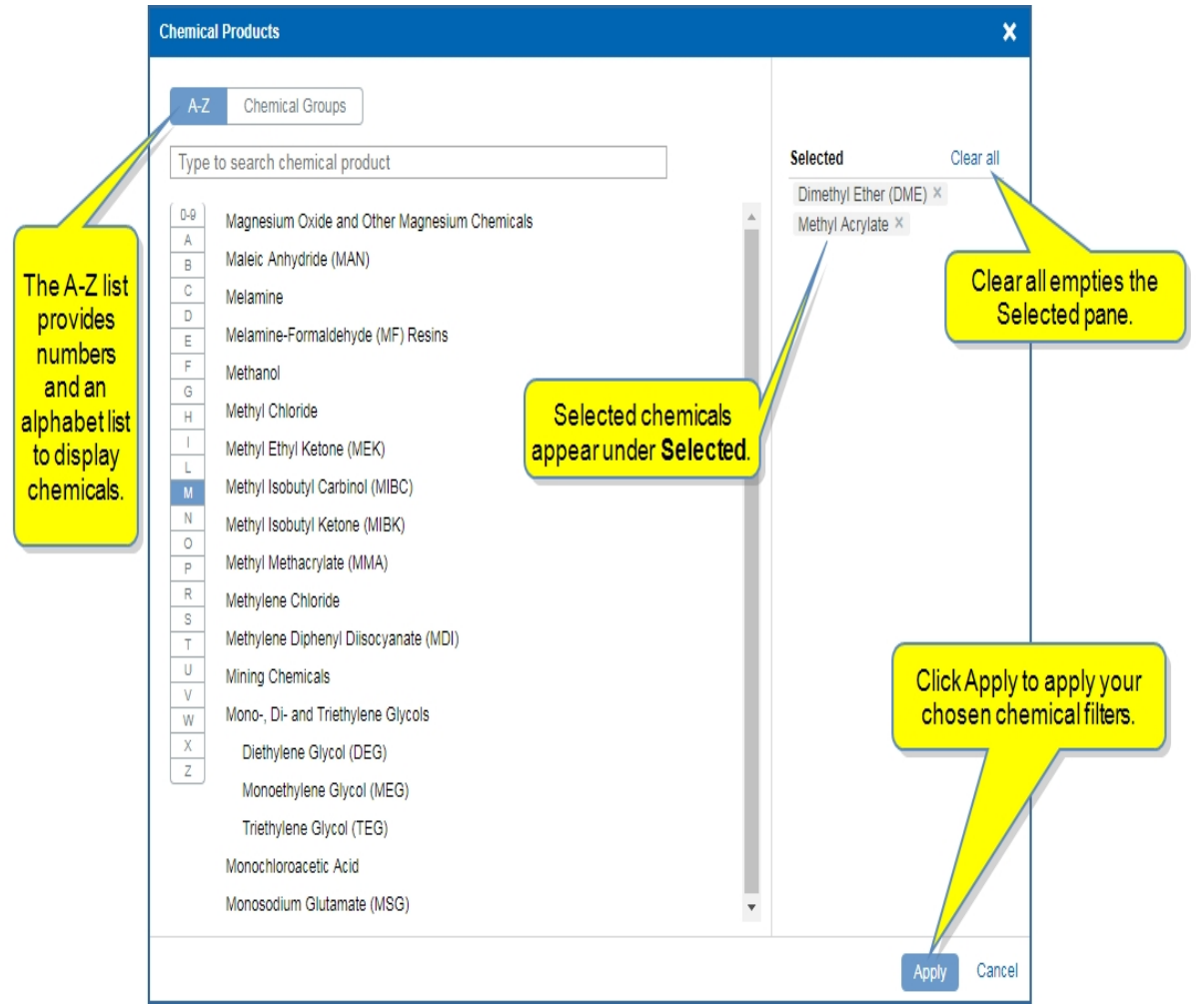


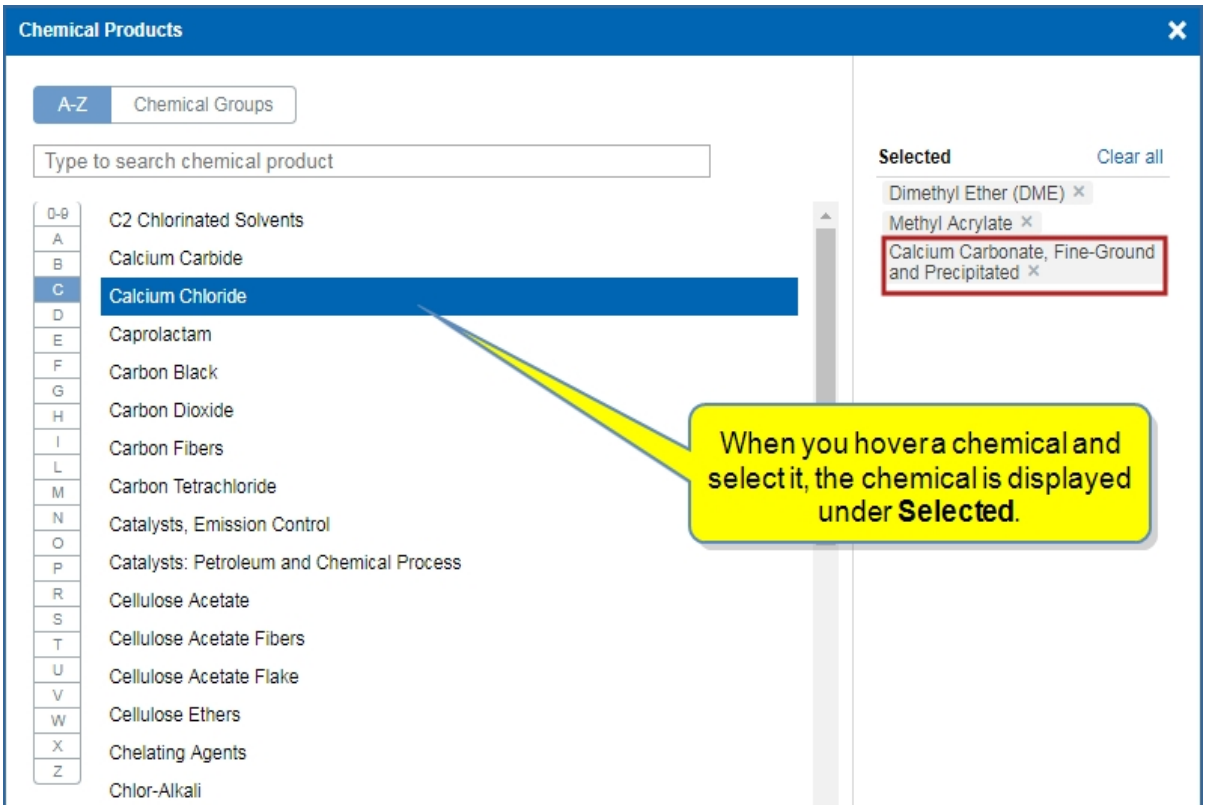
When you select **Chemical Product**, you can begin entering a chemical name in the search field and select from the auto generated suggestion list, or you can select the **Browse Full Chemical Product Directory** link.



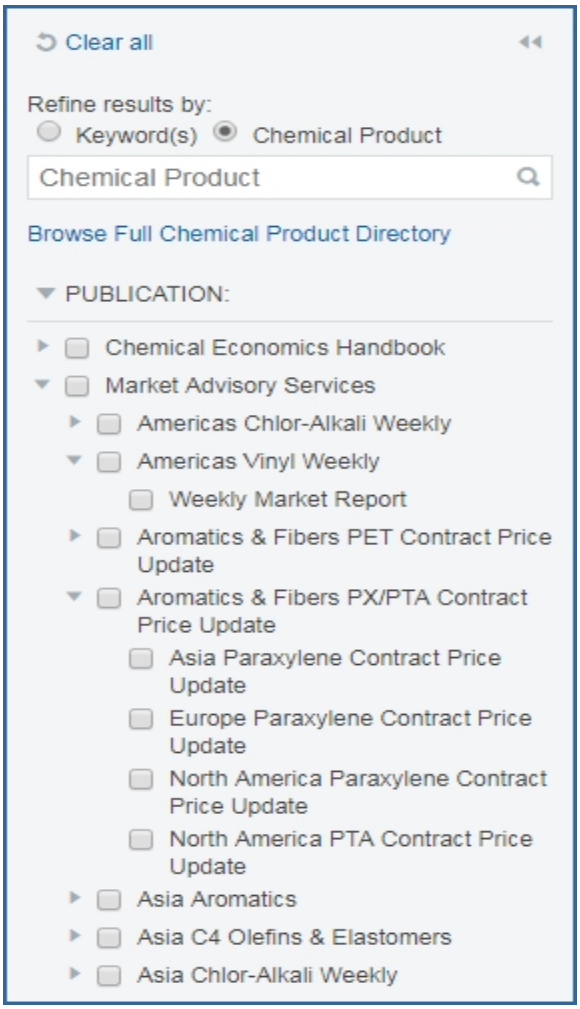
The **Chemical Product Directory** allows you to use numbers and the alphabet list to select filter items. Hover over an item and click it to add it to the **Selected** list.

Once your choices appear in the **Selected** list, you can **Apply** them. Use the **Clear all** feature to clear the selected list.



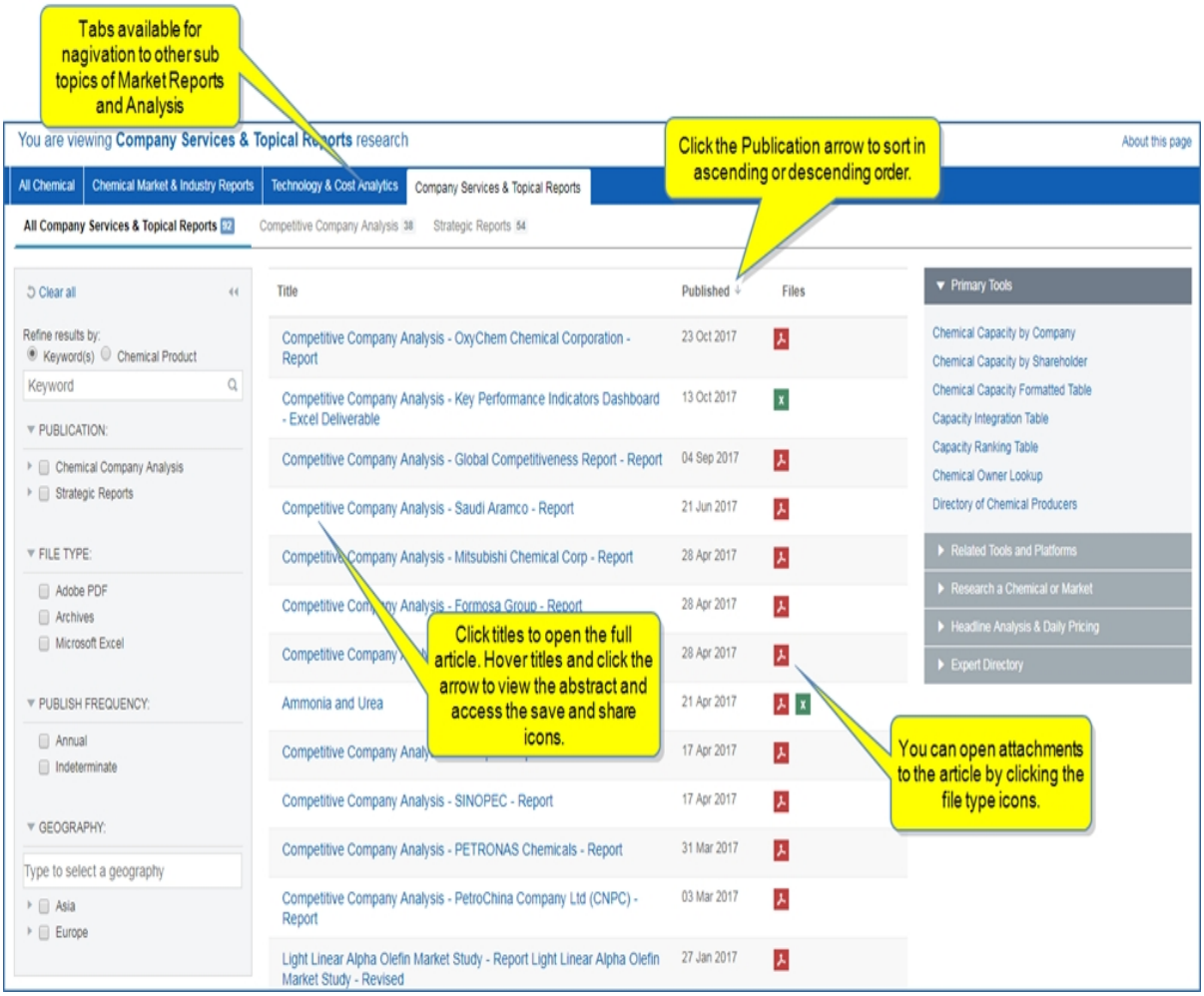


Other filter options include Publication, File Type, Publish Frequency, and Geography. Click arrows to expand lists and drill down to an item.

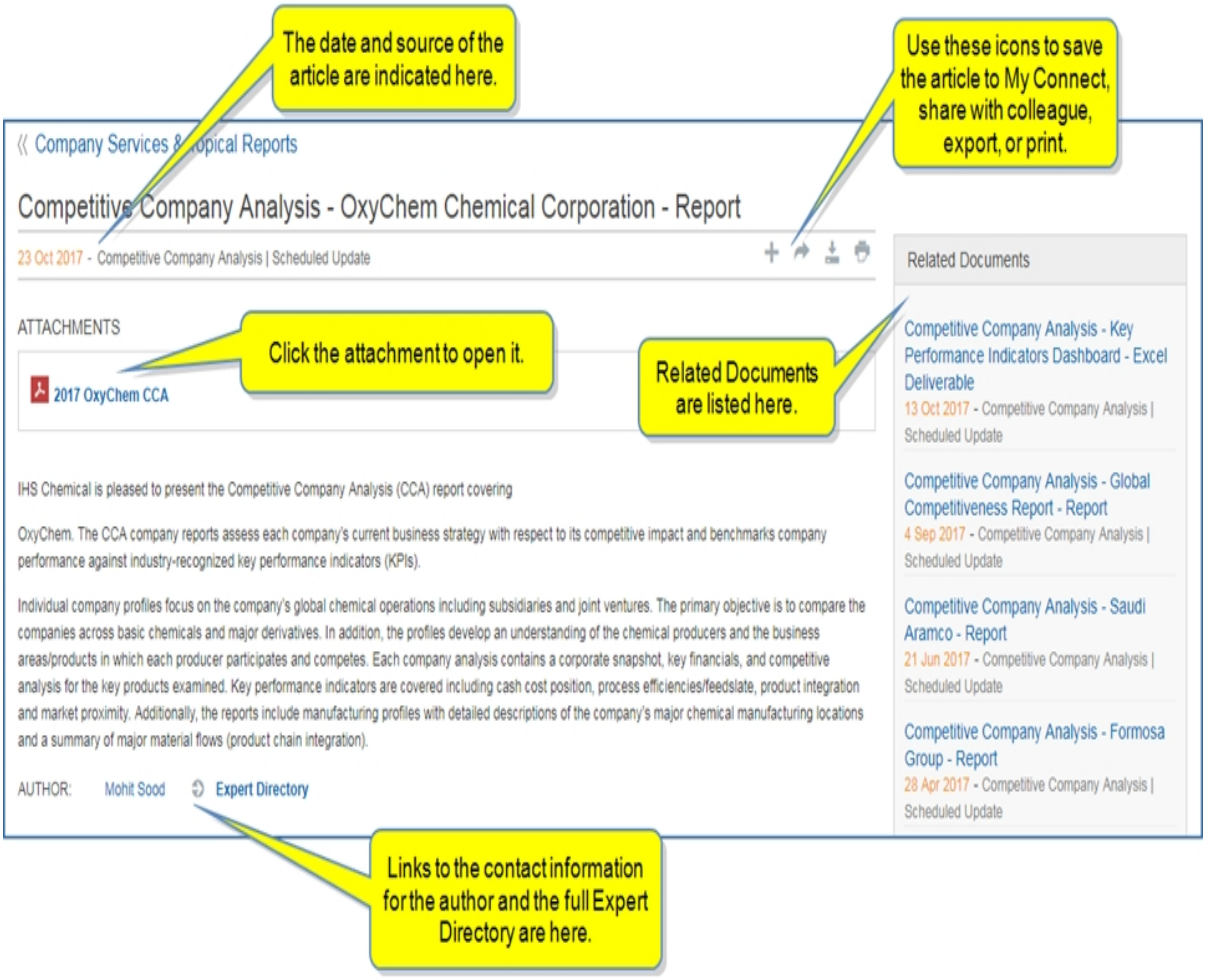


Viewing results

Results are displayed in the center pane for Company Services and Topical Reports. Tabs are available for **All Chemical**, **Technology & Cost Analytics**, and **Company Services & Tropical Reports**. (Note that links from the megamenu take you directly to each of these tabs as well.)



To view a full article, click the title.



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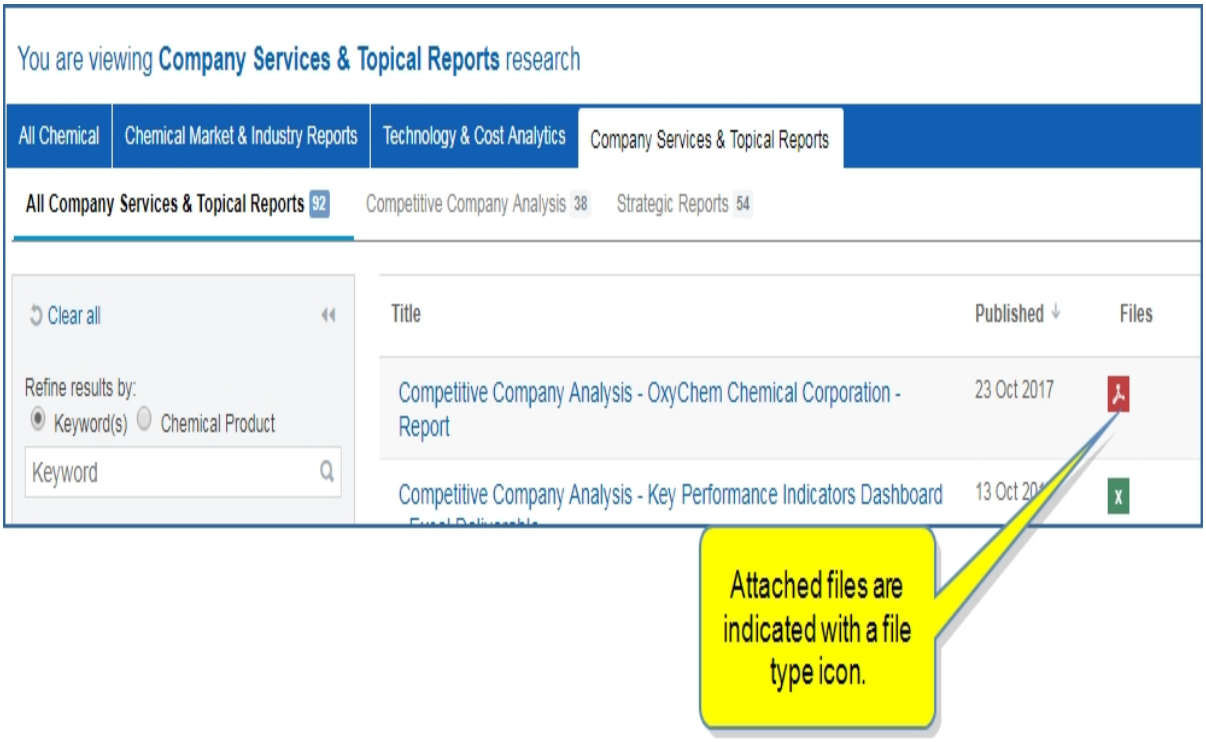

Accessing tools

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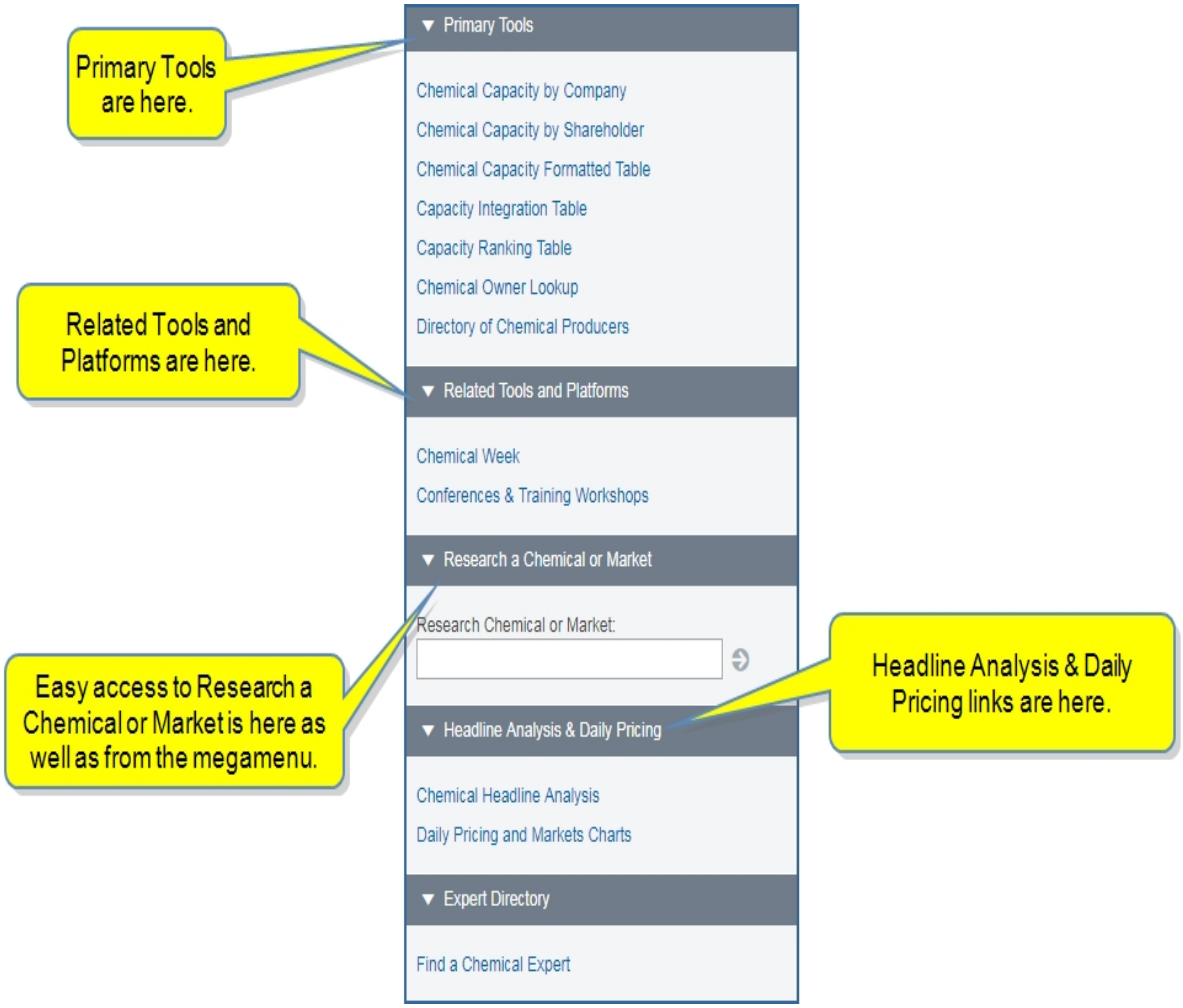
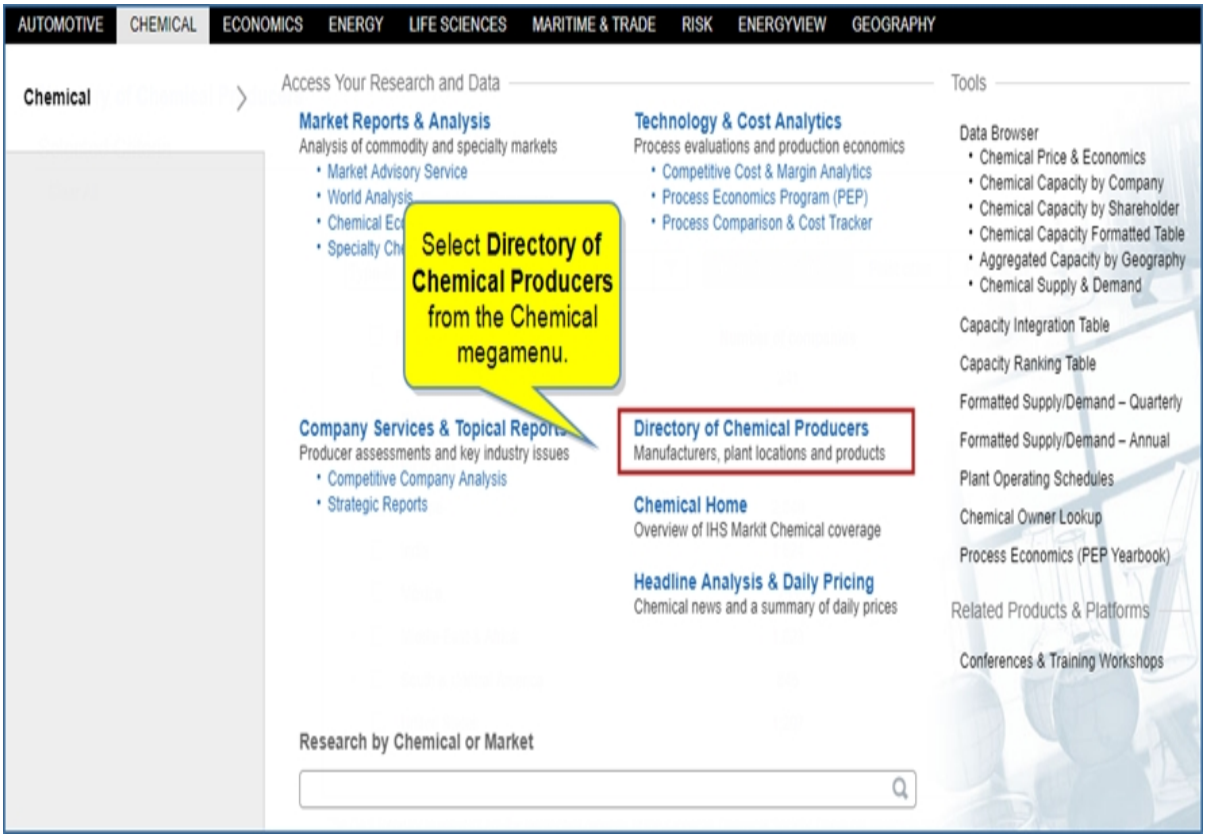
bar to expand and contract.



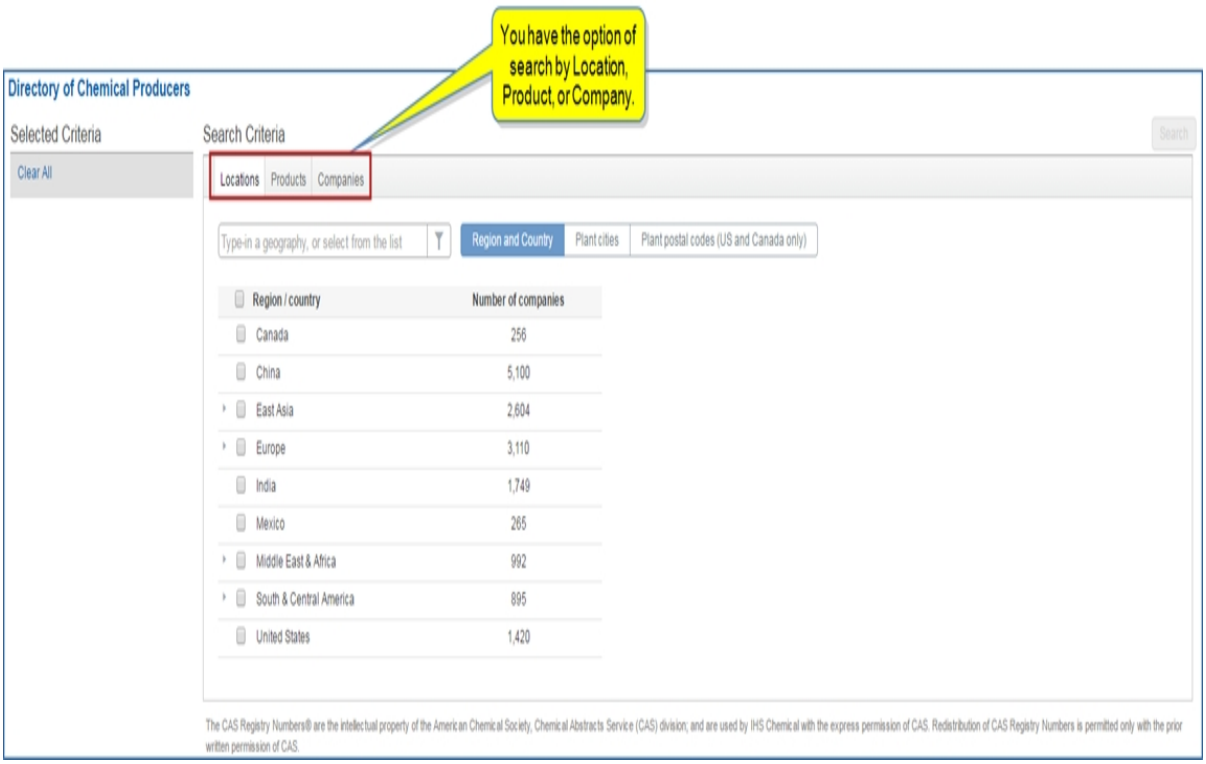
Directory of Chemical Producers

Search by location, product, or company in the Directory of Chemical Producers to find chemical plants and information about their manufactured products. The details for manufactured products include address, shareholders, subsidiaries, plants, owners, and product type. Once you have the results you need, you can export the article view of the search results to a Word document.

Enter the **Directory of Chemical Producers** database from the Chemical megamenu.



The home page displays three tabs for Search Criteria: **Locations**, **Products**, and **Companies**.



The following paragraphs cover search criteria for Locations, Products, and Companies.

- Searching by Location
  - Searching by region and country
  - Searching by plant cities
  - Searching by plant postal codes (US and Canada only)
- Searching by Product
  - Searching by product name
  - Searching by product number
  - Searching by product family
- Searching by Company
  - Searching with company name
  - Searching with company name and country
  - Searching with company name or country
  - Searching by owner

Searching by Location

When searching by location, you can search by region and country, by city, or by postal code. (The postal codes are only available for the U.S. and Canada.)

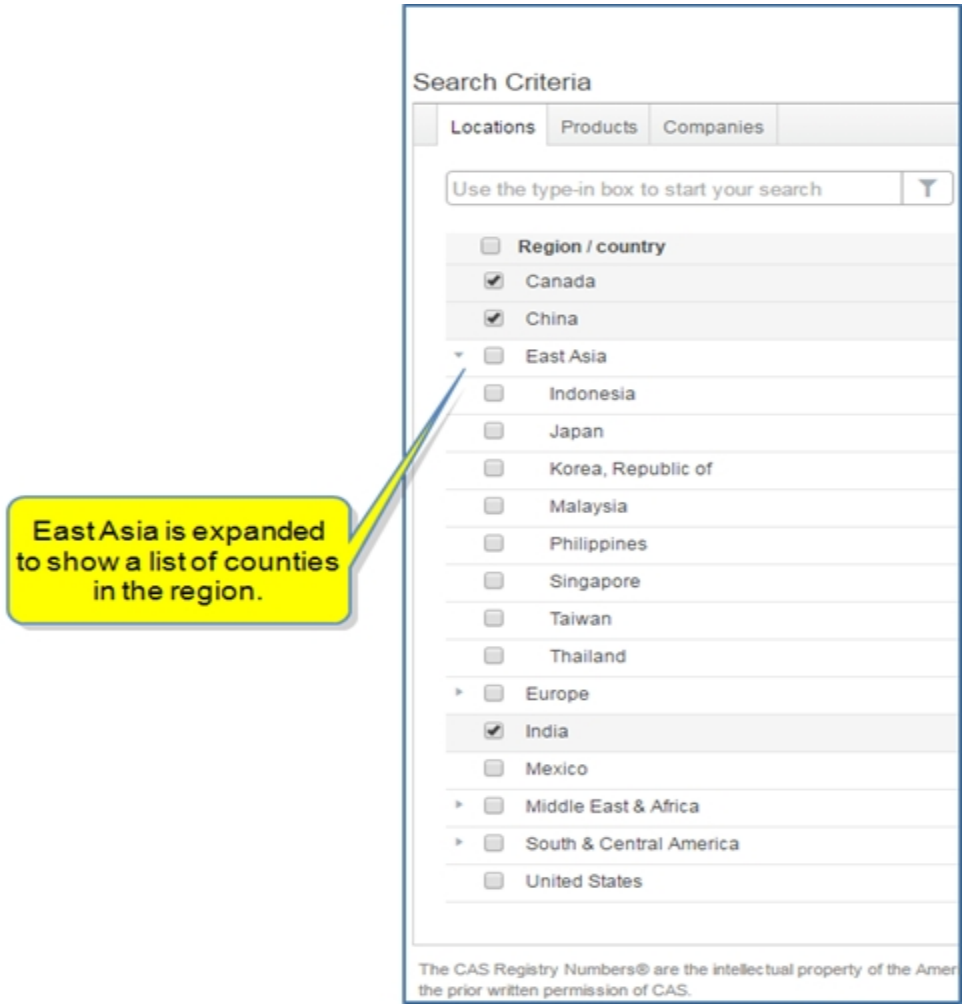
Note: Each time you begin a search, Clear All criteria and select the Directory of Chemical Producers heading in the breadcrumbs trail to begin. This ensures correct results for the new search.

Searching by region and country

With the **Region and Country** button highlighted, select one or more regions or countries from the list. The number of companies for a region / country is displayed to the right. Your criteria selections are displayed in the left pane under Selected Criteria. The regions and countries you see are subscription based, so you will only see what your subscription determines.

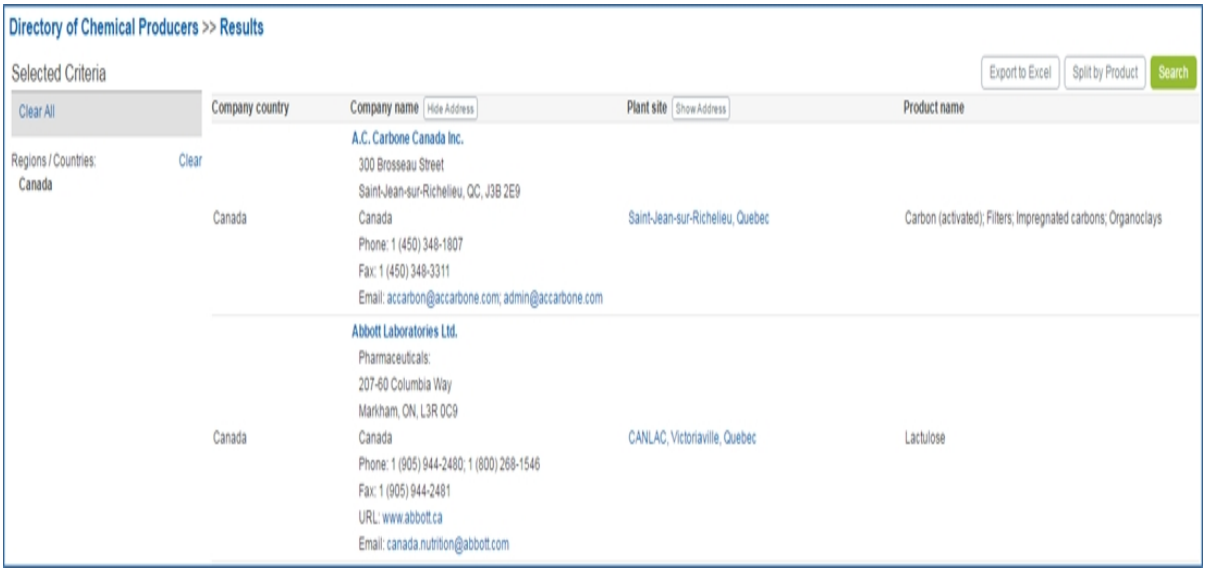
Note: You can also use the type-in box to start your search.

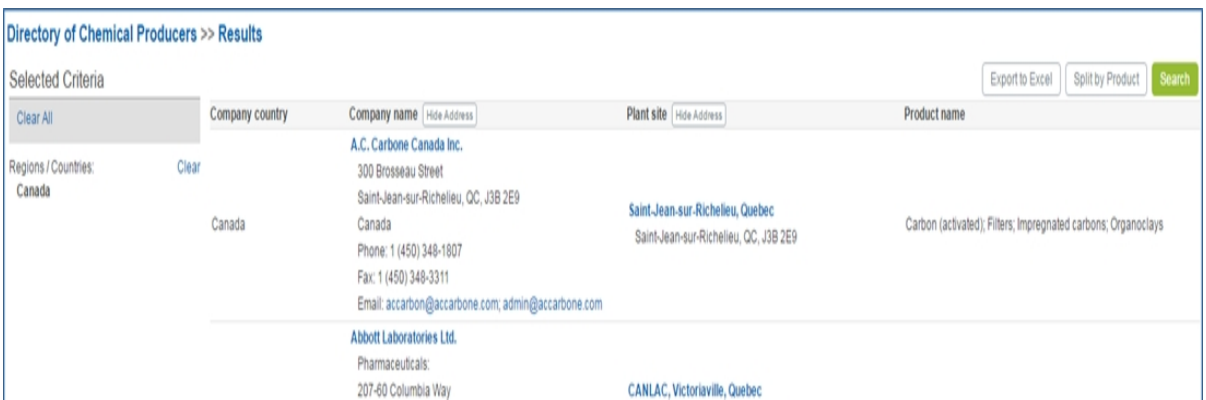
Use the arrows to expand regions.



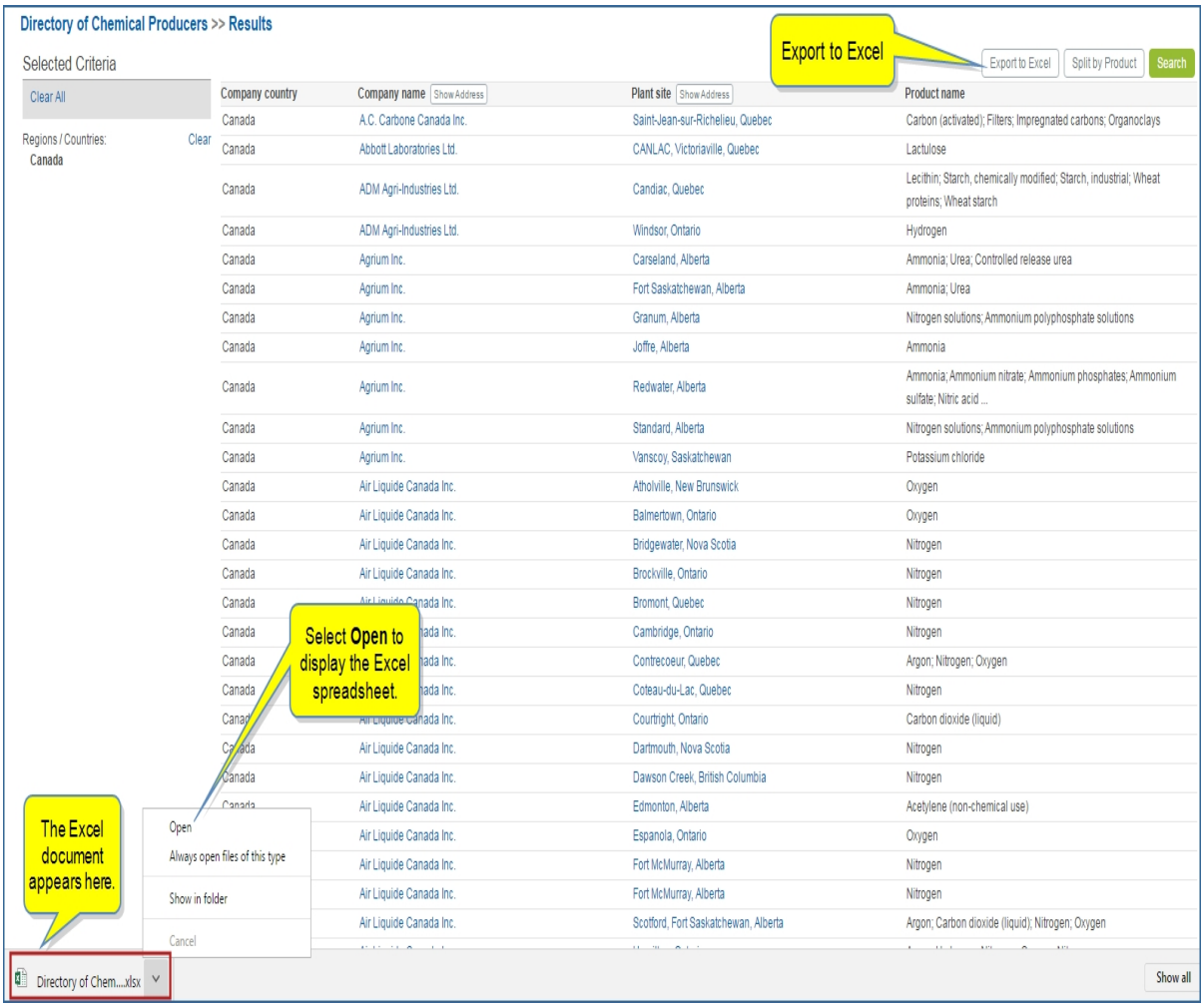
Once you select criteria and click **Search**, the results are displayed in a table. In the following example, we have chosen Canada.

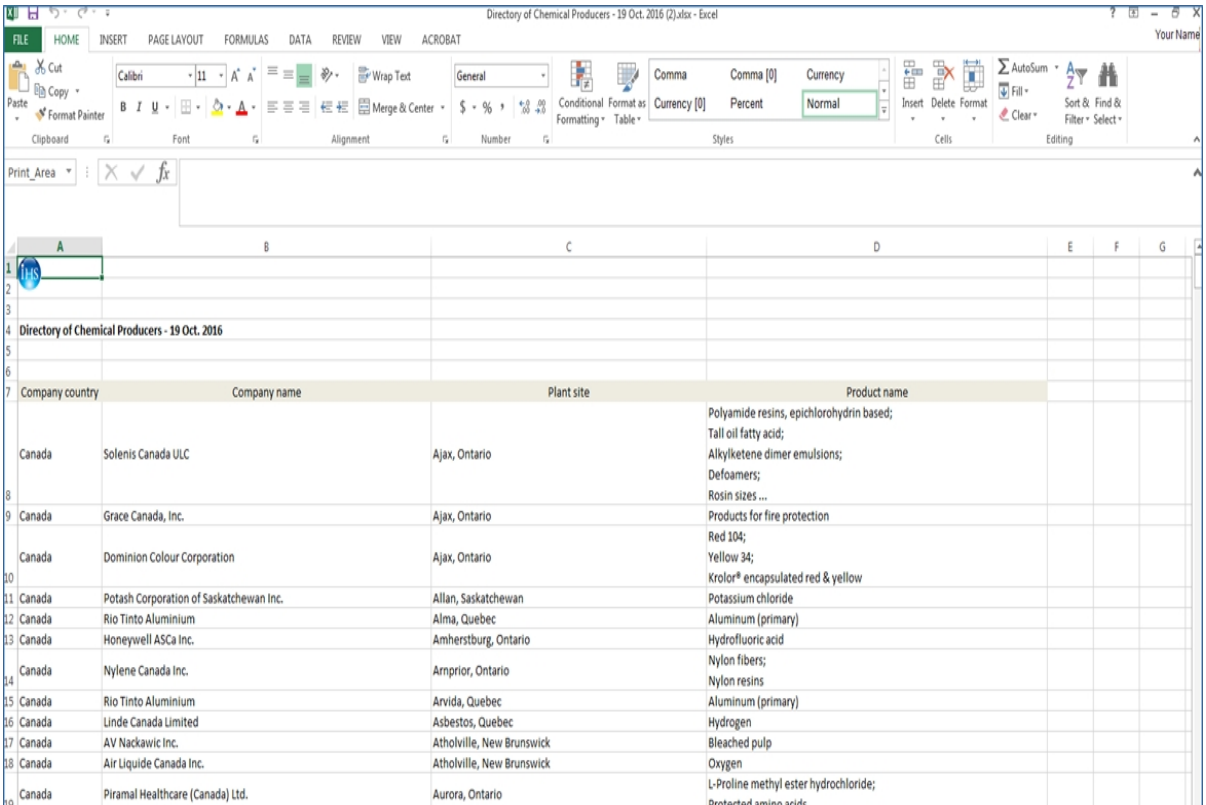
If you select **Show Address** for the Company name or Plant site, those details are displayed.



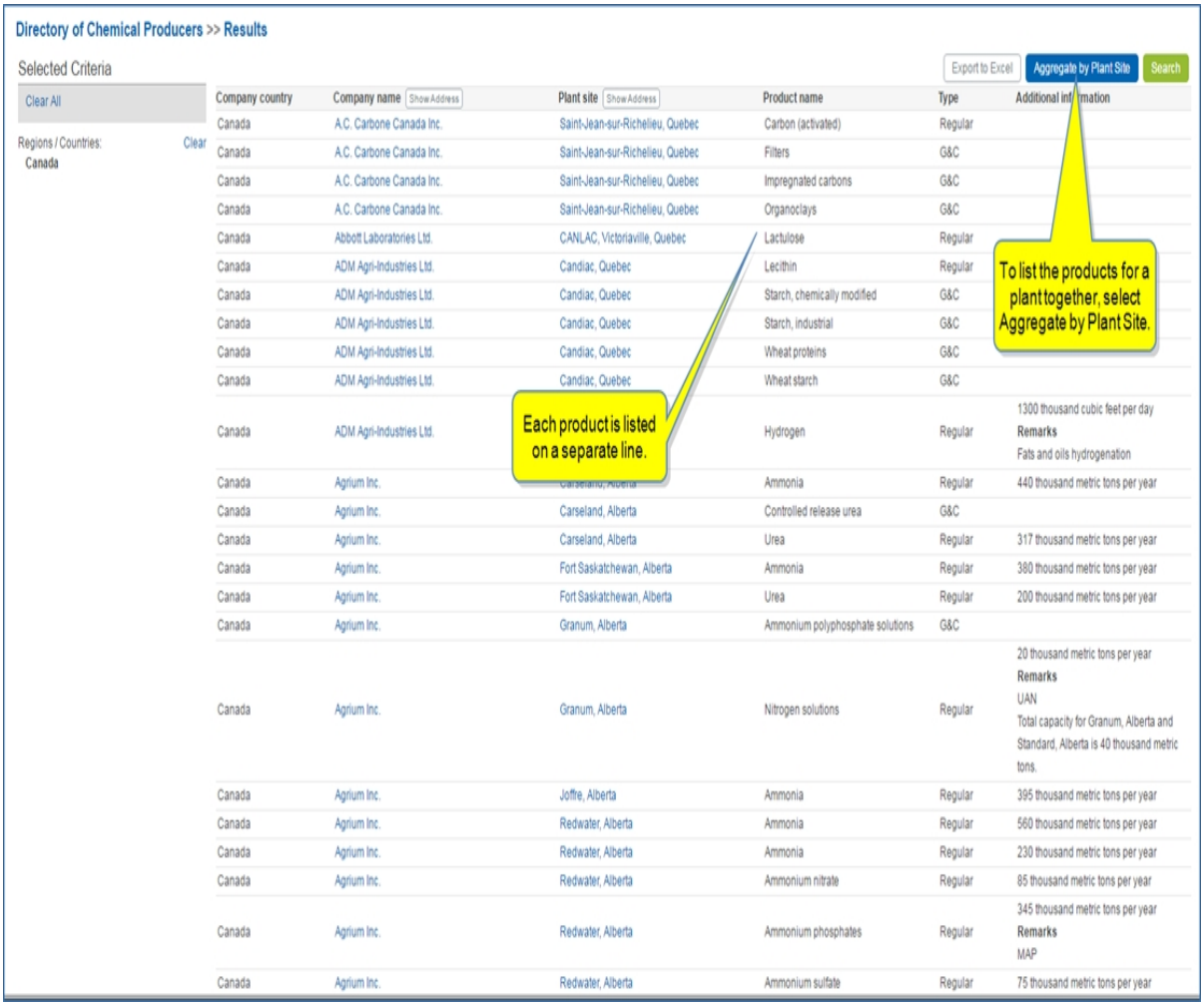


You can export the list with addresses shown or hidden to an Excel spreadsheet by selecting the **Export to Excel** button. The document appears in the left, lower corner. Select **Open** to display it.



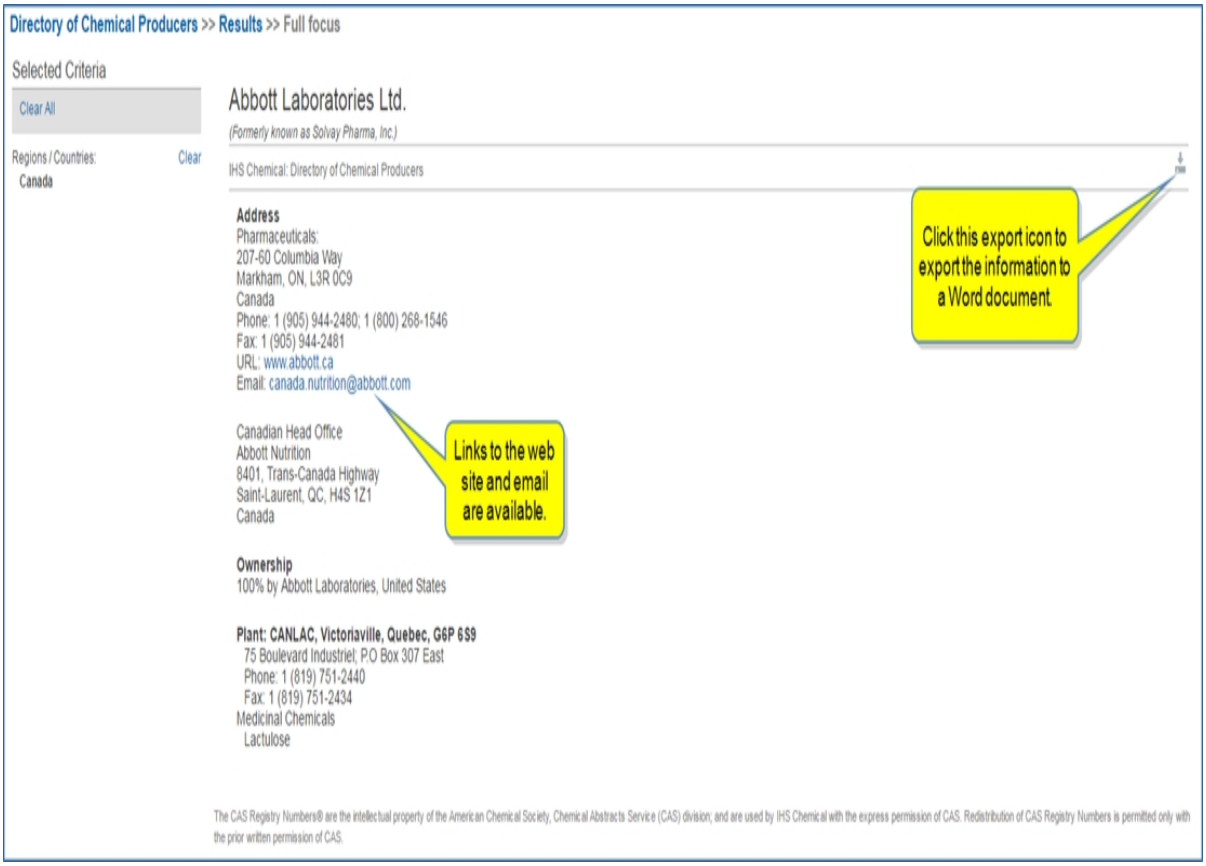


When you select the **Split by Product** button, each product is displayed on a separate line.

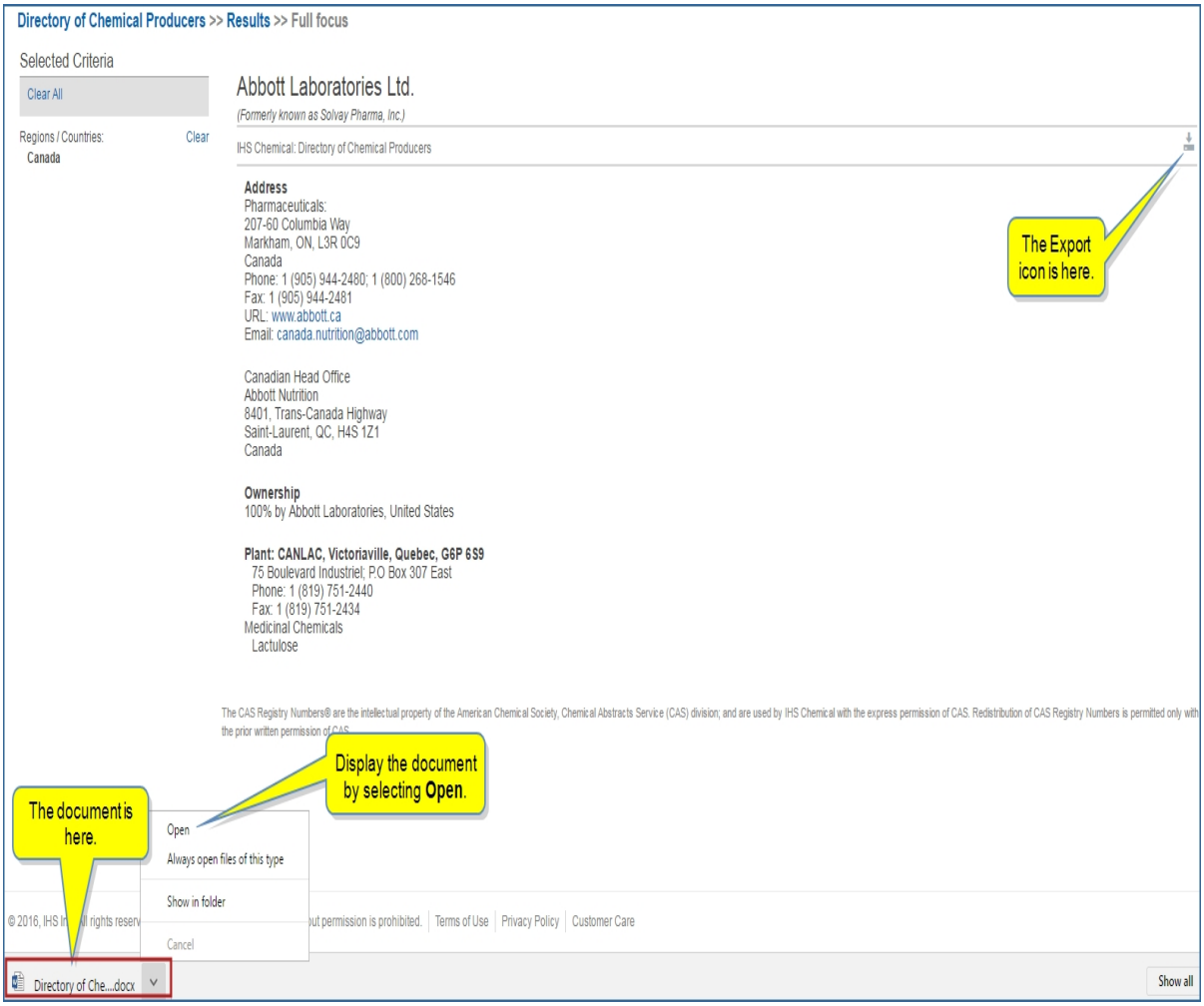


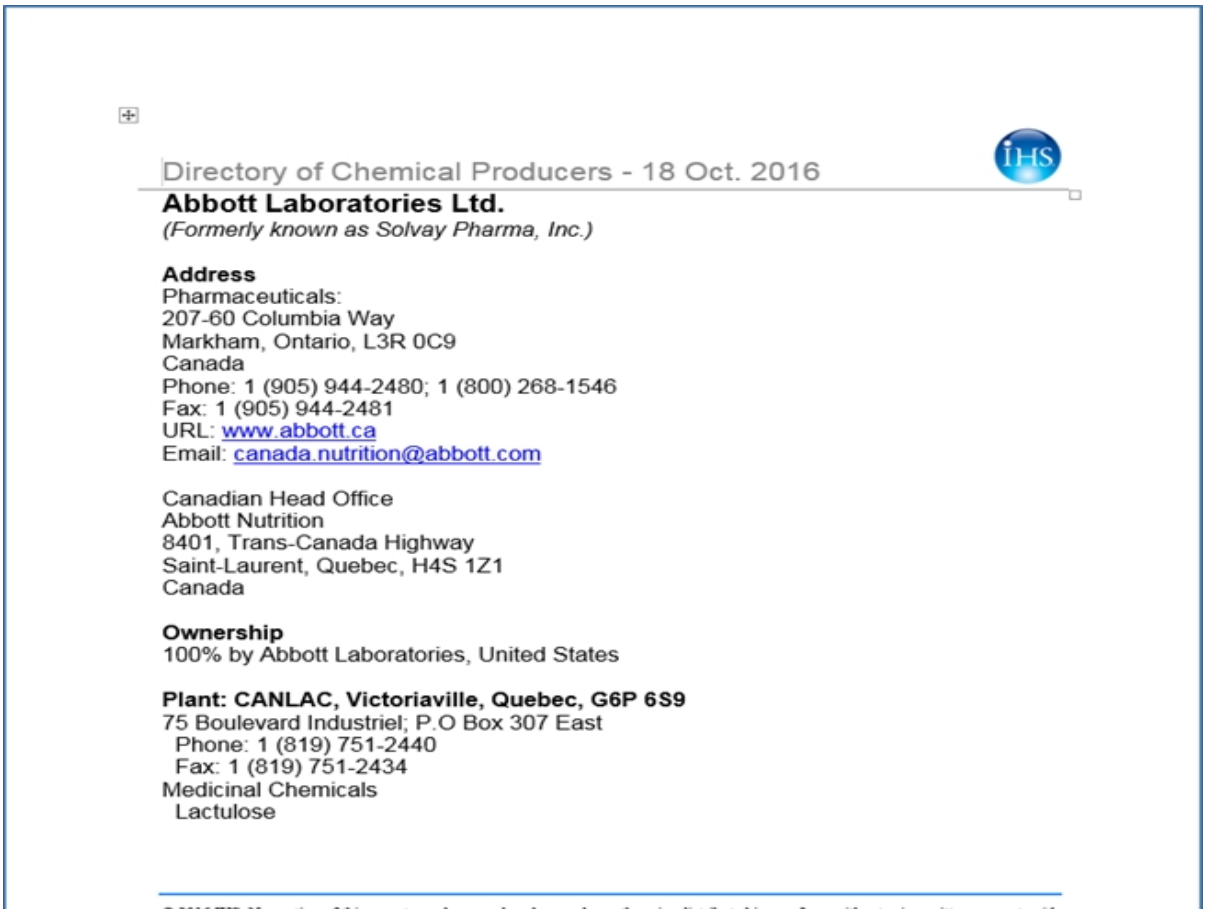
Company country	Company name	Plant site	Product name	Type	Additional information
Canada	A.C. Carbone Canada Inc.	Saint-Jean-sur-Richelieu, Quebec	Carbon (activated)	Regular	
Canada	A.C. Carbone Canada Inc.	Saint-Jean-sur-Richelieu, Quebec	Filters	G&C	
Canada	A.C. Carbone Canada Inc.	Saint-Jean-sur-Richelieu, Quebec	Impregnated carbons	G&C	
Canada	A.C. Carbone Canada Inc.	Saint-Jean-sur-Richelieu, Quebec	Organoclays	G&C	
Canada	Abbott Laboratories Ltd.	CANLAC, Victoriaville, Quebec	Lactulose	Regular	
Canada	ADM Agri-Industries Ltd.	Candiac, Quebec	Lecithin	Regular	
Canada	ADM Agri-Industries Ltd.	Candiac, Quebec	Starch, chemically modified	G&C	
Canada	ADM Agri-Industries Ltd.	Candiac, Quebec	Starch, industrial	G&C	
Canada	ADM Agri-Industries Ltd.	Candiac, Quebec	Wheat proteins	G&C	
Canada	ADM Agri-Industries Ltd.	Candiac, Quebec	Wheat starch	G&C	
Canada	ADM Agri-Industries Ltd.		Hydrogen	Regular	1300 thousand cubic feet per day **Remarks** Fats and oils hydrogenation
Canada	Agrium Inc.		Ammonia	Regular	440 thousand metric tons per year
Canada	Agrium Inc.	Carseland, Alberta	Controlled release urea	G&C	
Canada	Agrium Inc.	Carseland, Alberta	Urea	Regular	317 thousand metric tons per year
Canada	Agrium Inc.	Fort Saskatchewan, Alberta	Ammonia	Regular	380 thousand metric tons per year
Canada	Agrium Inc.	Fort Saskatchewan, Alberta	Urea	Regular	200 thousand metric tons per year
Canada	Agrium Inc.	Granum, Alberta	Ammonium polyphosphate solutions	G&C	
Canada	Agrium Inc.	Granum, Alberta	Nitrogen solutions	Regular	20 thousand metric tons per year **Remarks** UAN Total capacity for Granum, Alberta and Standard, Alberta is 40 thousand metric tons.
Canada	Agrium Inc.	Joffre, Alberta	Ammonia	Regular	395 thousand metric tons per year
Canada	Agrium Inc.	Redwater, Alberta	Ammonia	Regular	560 thousand metric tons per year
Canada	Agrium Inc.	Redwater, Alberta	Ammonia	Regular	230 thousand metric tons per year
Canada	Agrium Inc.	Redwater, Alberta	Ammonium nitrate	Regular	85 thousand metric tons per year
Canada	Agrium Inc.	Redwater, Alberta	Ammonium phosphates	Regular	345 thousand metric tons per year **Remarks** MAP
Canada	Agrium Inc.	Redwater, Alberta	Ammonium sulfate	Regular	75 thousand metric tons per year

When you click the name of a company, the address, ownership, and plant location are displayed. You can export this information to a Word document.



When you Export to a Word document, the document appears in the lower left. Select **Open** to display the Word document.





Directory of Chemical Producers - 18 Oct. 2016

Abbott Laboratories Ltd.

(Formerly known as Solvay Pharma, Inc.)

Address
Pharmaceuticals:
207-60 Columbia Way
Markham, Ontario, L3R 0C9
Canada
Phone: 1 (905) 944-2480; 1 (800) 268-1546
Fax: 1 (905) 944-2481
URL: www.abbott.ca
Email: canada.nutrition@abbott.com

Canadian Head Office
Abbott Nutrition
8401, Trans-Canada Highway
Saint-Laurent, Quebec, H4S 1Z1
Canada

Ownership
100% by Abbott Laboratories, United States

Plant: CANLAC, Victoriaville, Quebec, G6P 6S9
75 Boulevard Industriel; P.O Box 307 East
Phone: 1 (819) 751-2440
Fax: 1 (819) 751-2434
Medicinal Chemicals
Lactulose

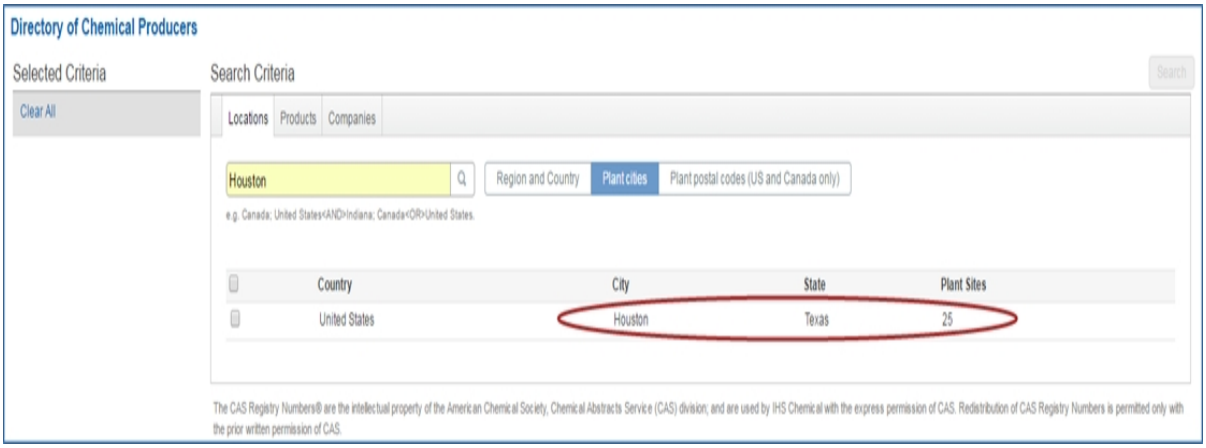
Note: When you return to the **Directory of Chemical Producers** home page for Locations, **Clear All** criteria in the left pane before starting a new search.

Searching by plant cities

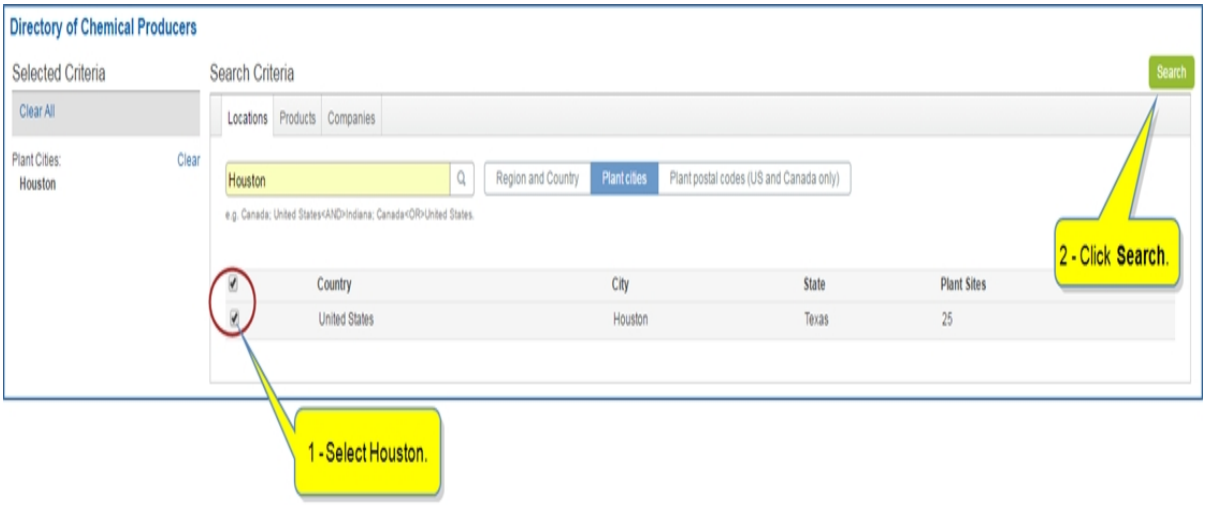
When you return to the **Directory of Chemical Producers** home page, click **Clear All** to completely clear your results before starting a new search using **Plant cities** for the location search criteria.

With the **Plant cities** button selected, type in a city in the type-in box. For our example, we want to find all the plants available in the Houston area, so we'll type in Houston. Your criteria selections are displayed in the left pane under Selected Criteria. The cities you see are subscription based, so you will only see what your subscription determines.

When we click the search magnifying glass icon, Houston, Texas appears on the search results list showing 25 Plant Sites.

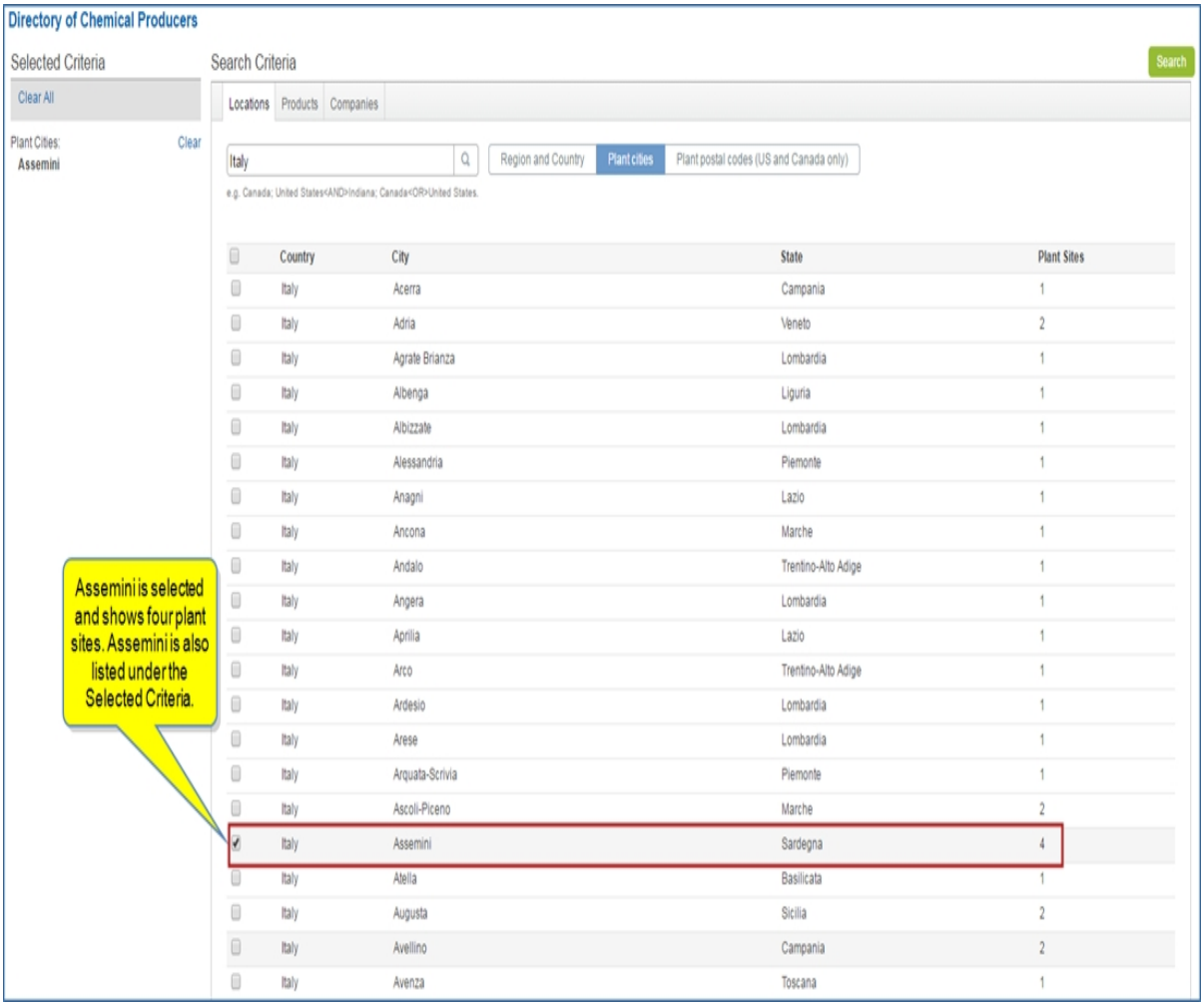


We'll select the check box, and then click **Search**.

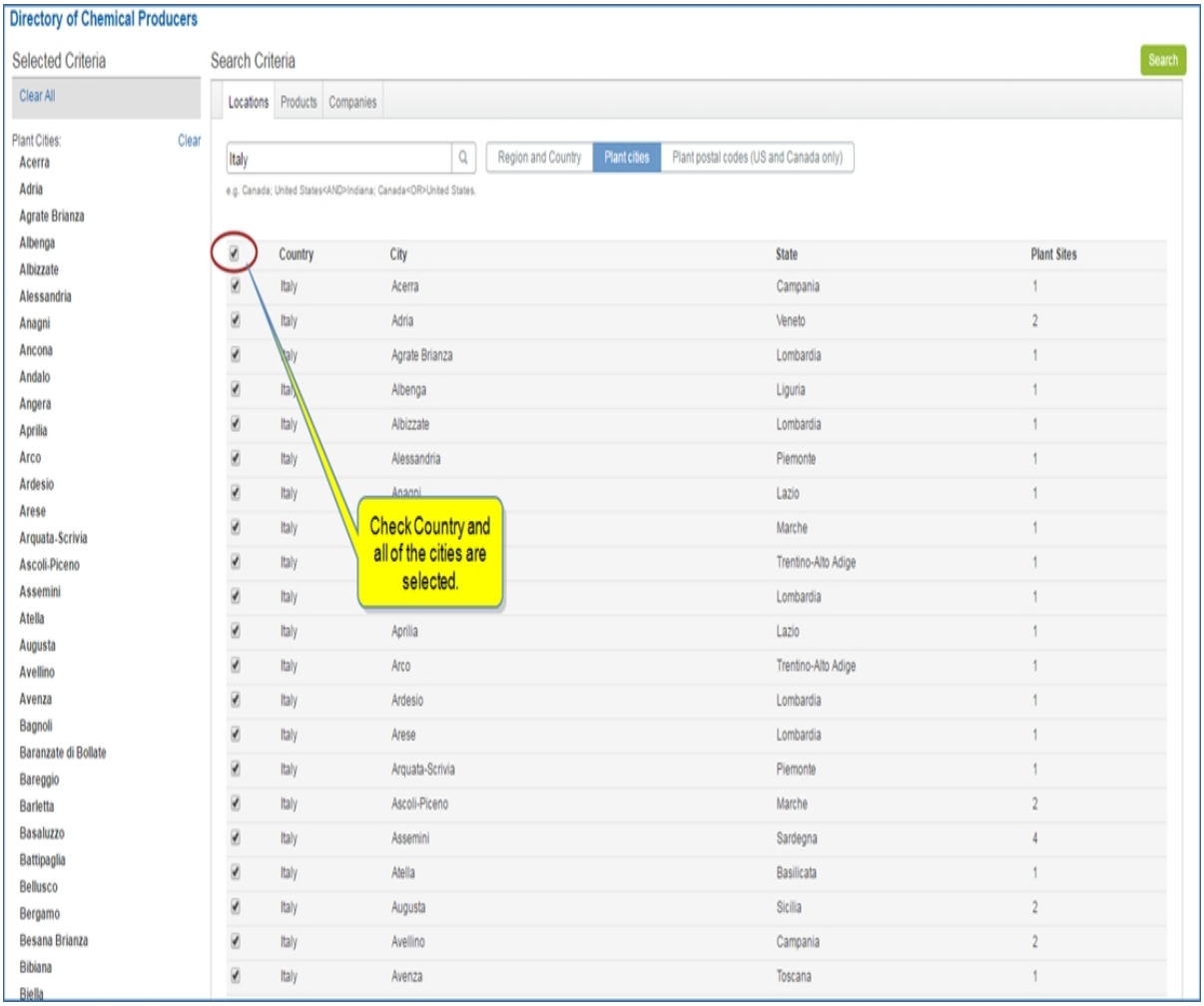


The search results show all the companies, their plant sites, and products in a table you can export to Excel. As with the search by region and company option, you can show or hide the address for companies and plant sites. You can select the **Split by Product** button to list single products on a line. You can click the name of a company or plant site for more details and export the details to a Word document. See Searching by region and country for examples.

If you want to view all the cities in a country that have plant sites, type in a country, and then click the search magnifying icon.



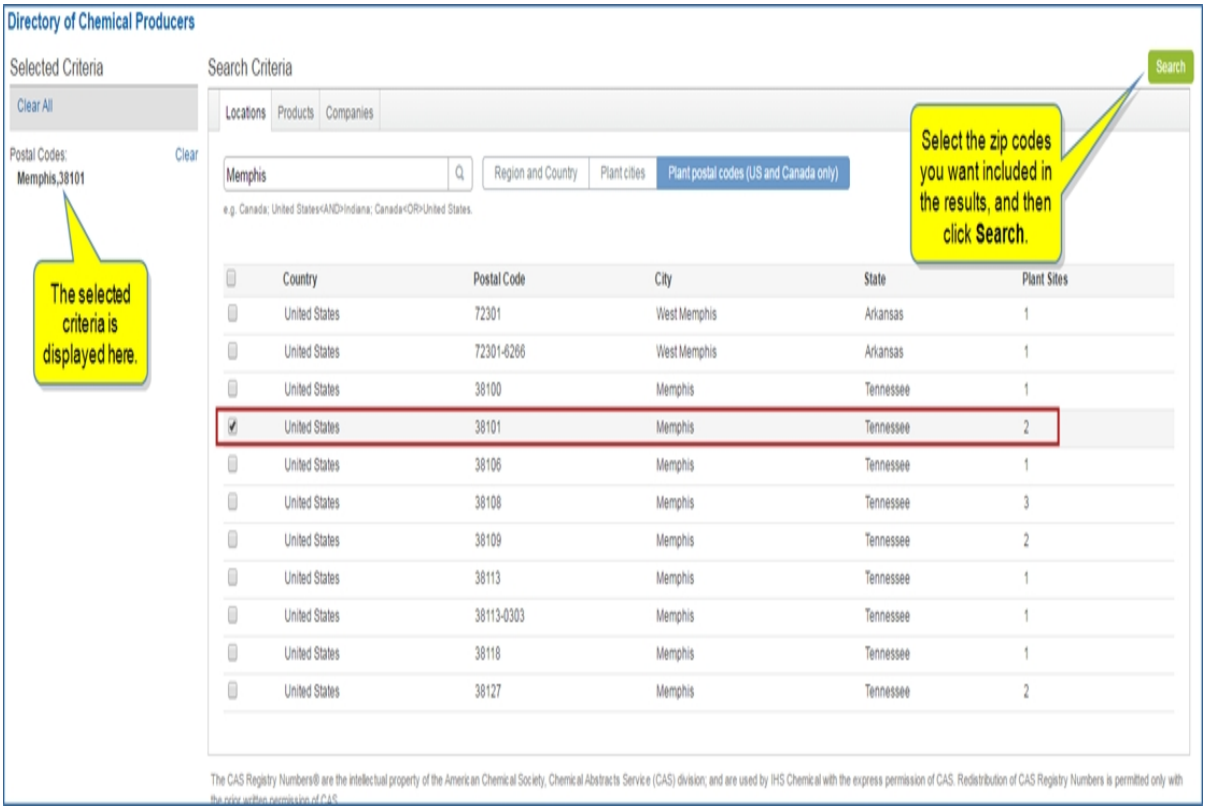
To search for all of the cities in Italy, check the box next to Country, and all of the cities are selected.



Searching by plant postal codes (US and Canada only)

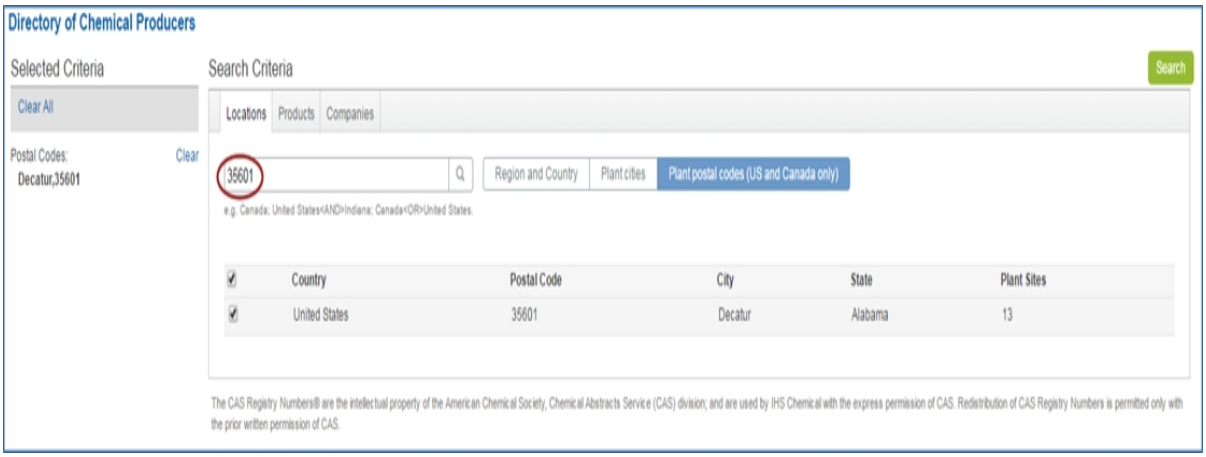
When you return to the **Directory of Chemical Producers** home page, click **Clear All** to completely clear your results before starting a new search using **Plant postal codes** for the location search criteria.

With the **Plant postal codes** button selected, type in a city or a postal code in the type-in box. For our example, we want to find all the plants available in Memphis, so we'll type in Memphis. Your criteria selections are displayed in the left pane under Selected Criteria. The zip code results you see are subscription based, so you only see what your subscription determines. In the following results, we've selected one zip code in Memphis Tennessee that has two plant sites.



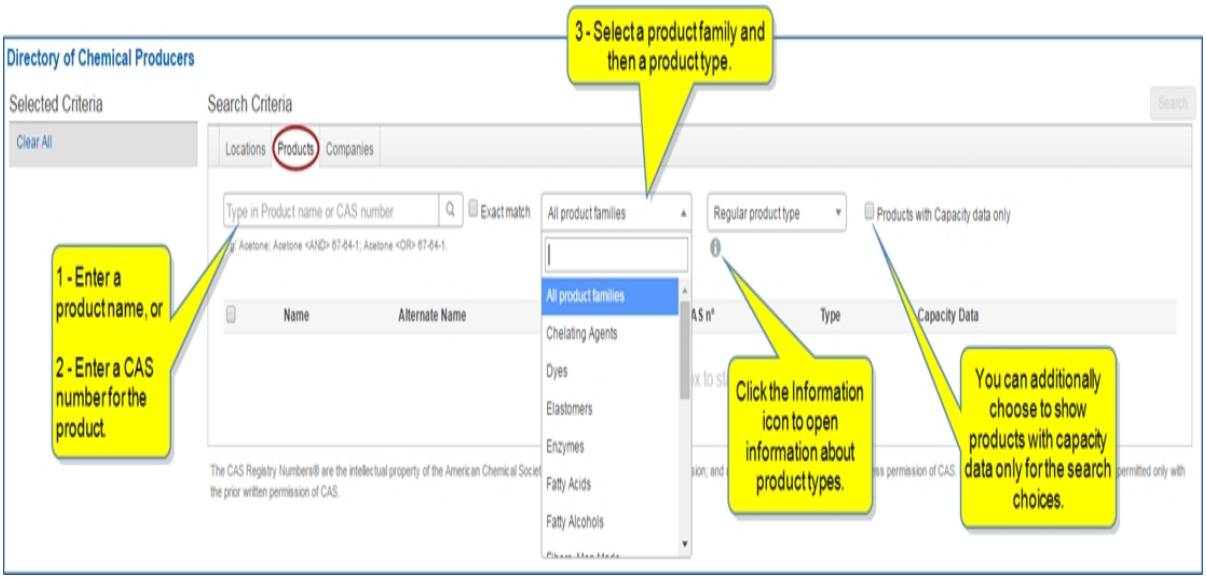
The search results list the two plants for this zip code in Memphis, Tennessee. As with the search by region and company option, you can show or hide the address for companies and plant sites. You can select the **Split by Product** button to list single products on a line. You can click the name of a company or plant site for more details and export the details to a Word document. See Searching by region and country for examples.

If you know the specific zip code you want to search, type it in the field, and then click the search magnifying icon. In the following example, we entered 35601 for the zip code, which brought up Decatur, Alabama, with 13 plant sites.

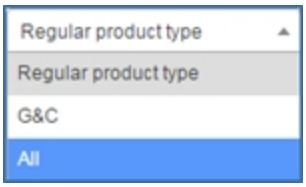


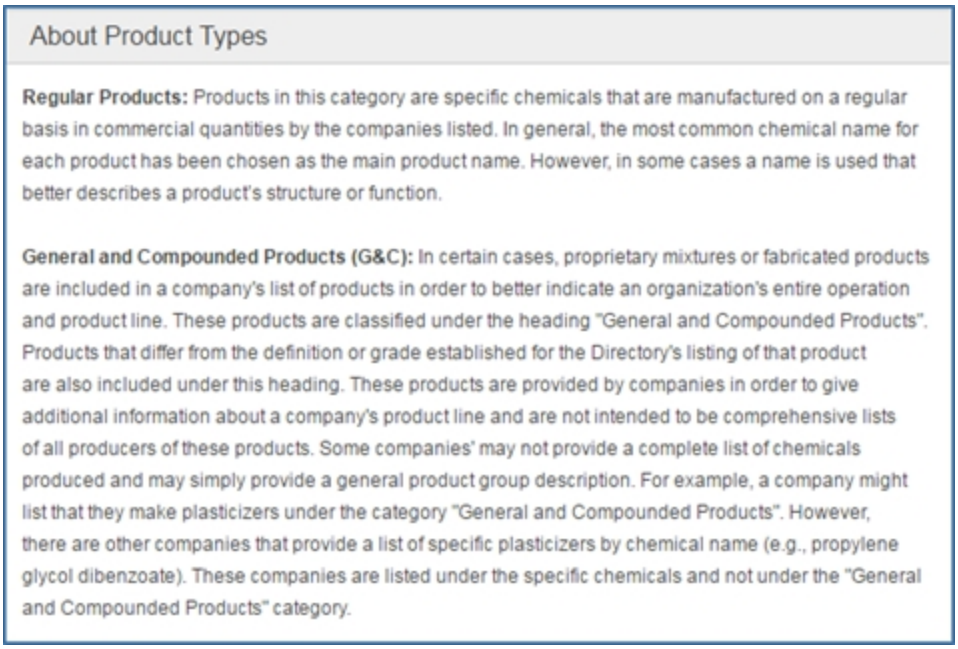
Searching by Product

On the Directory of Chemical Producers home page, select the **Products** tab. There are three ways to search for chemical producers when searching by the product—by product name, product number, or product family.

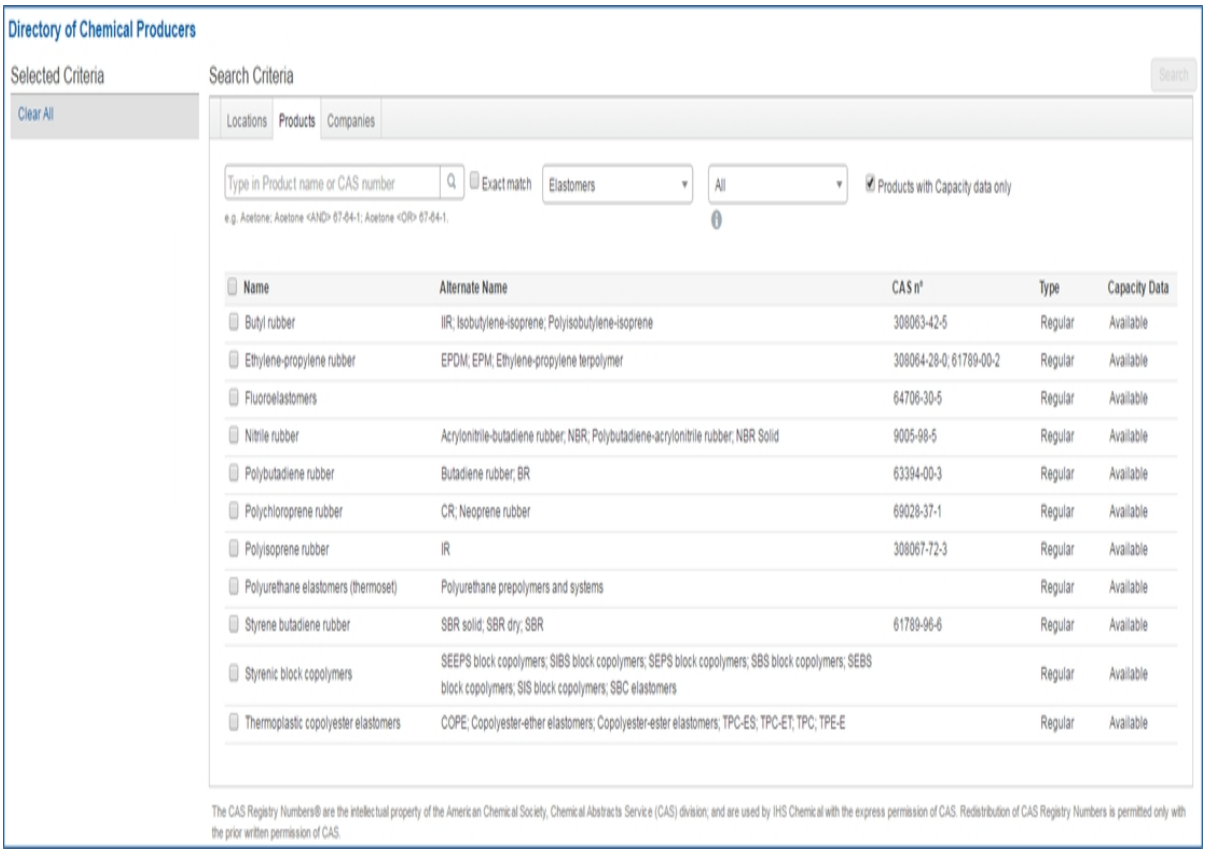


Product types choices are Regular product type, G&C, and All. The Information icon explains these choices when you click it.

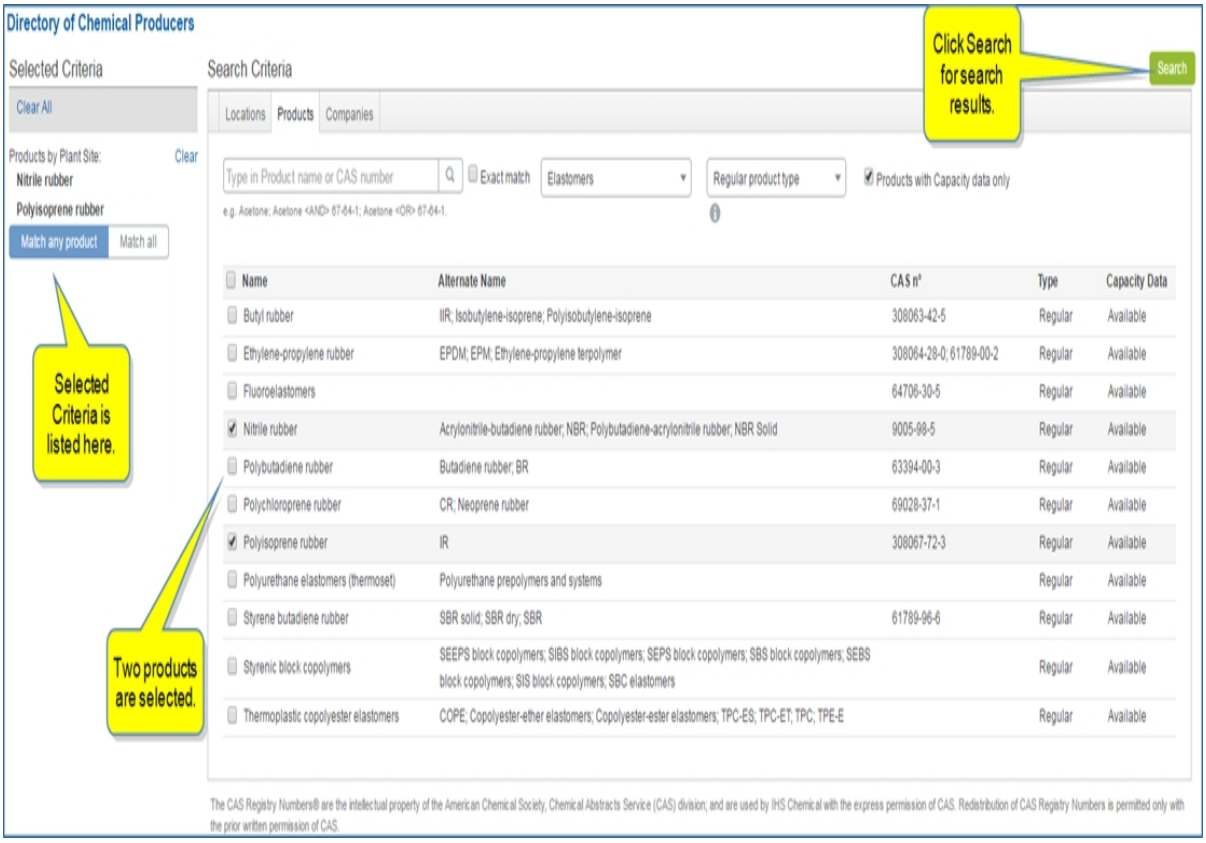




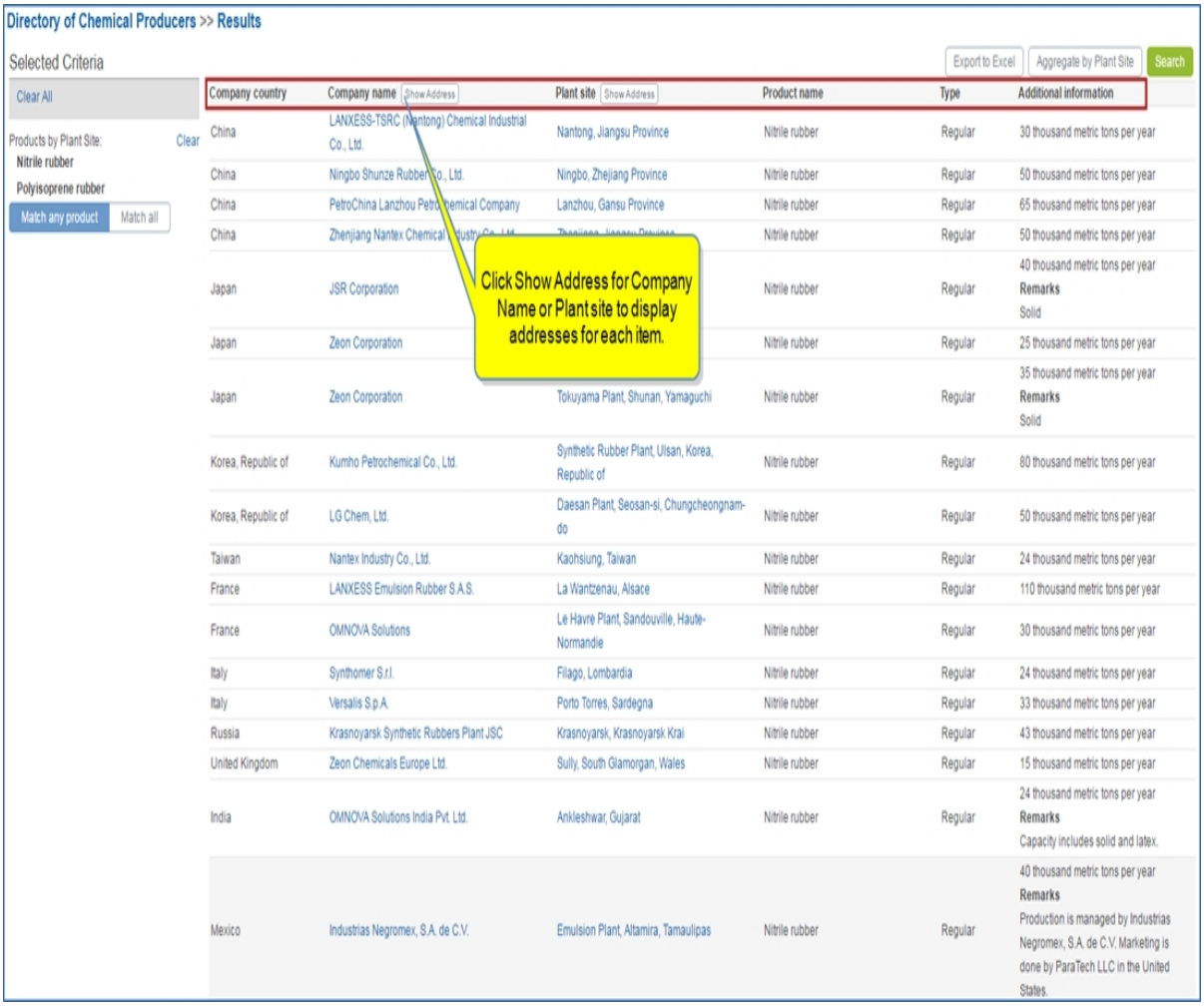
The following example shows the product family for **Elastomers**, product type **All**, and the filter for **Products with Capacity data only** applied.



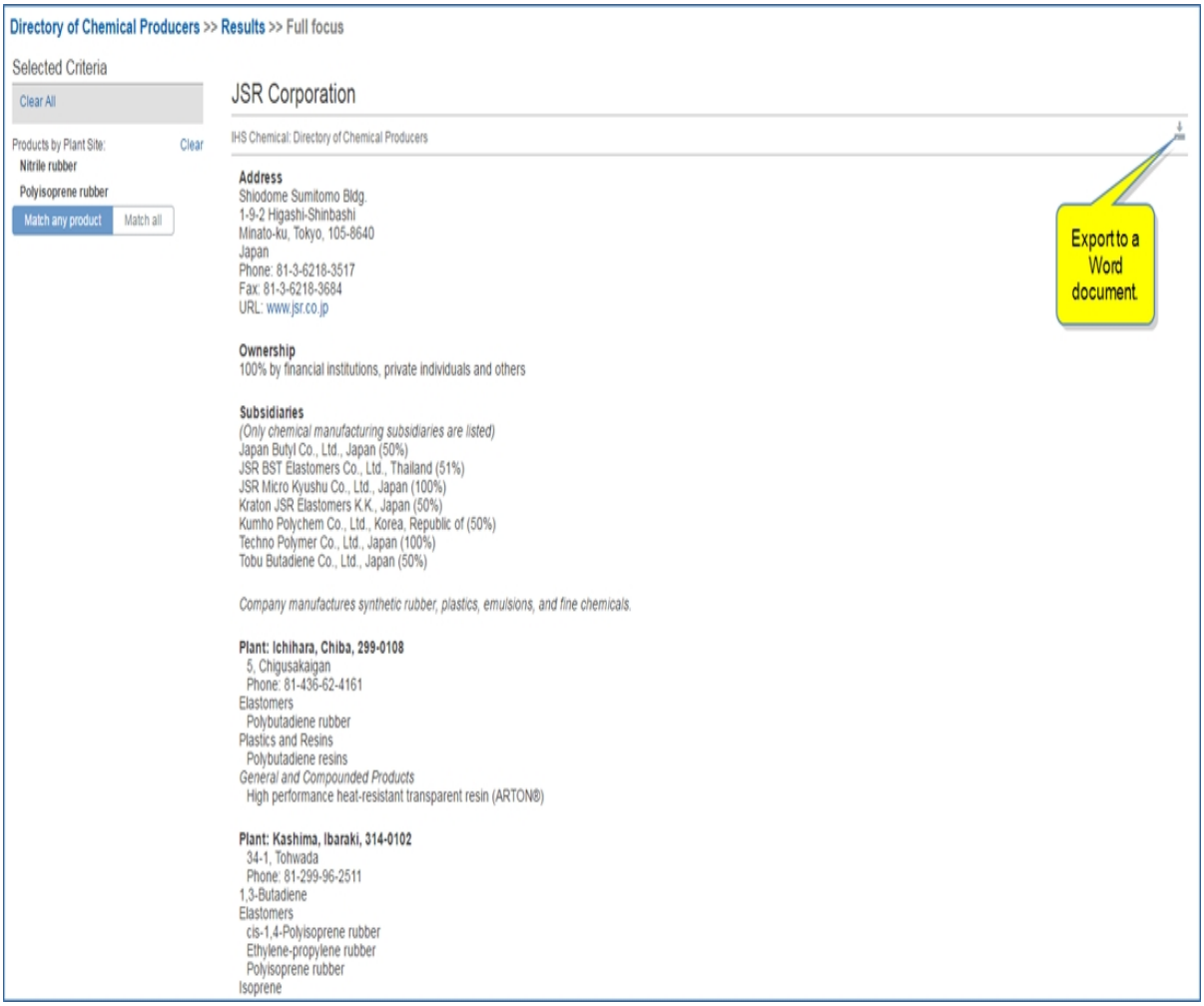
We can select all the items on the list by checking the box next to **Name**, or we can individually select the products we want to include in search results.



The search results display Company country, Company name, Plant site, Product name, Type, and Additional information.

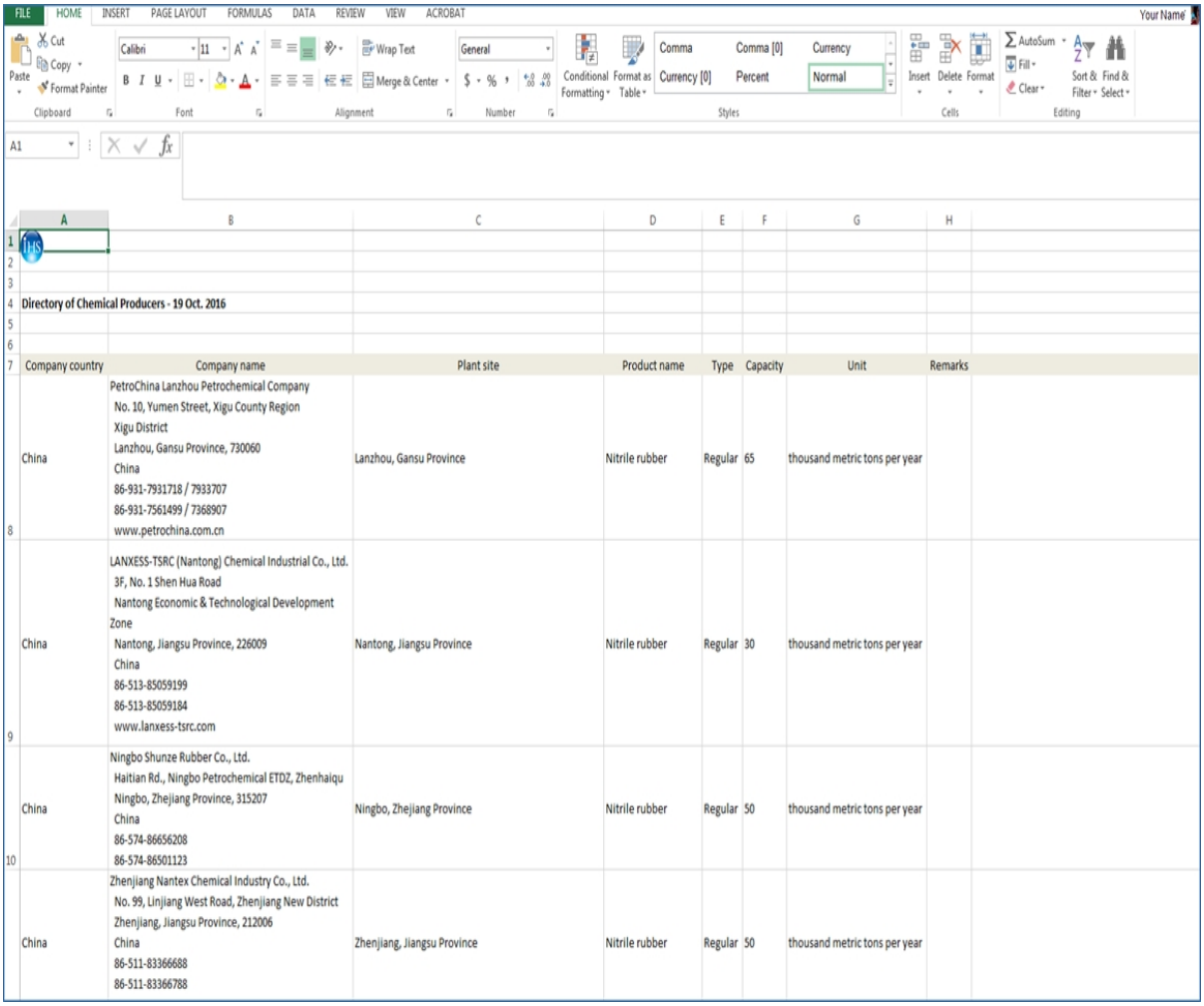


Select a Company name for details about the company.



Select a Plant site for details about a plant.

Export the list to Excel. You can also show the address for the companies and plant sites by selecting **Show Address** next to Company name and Plant site, and then Export to Excel.



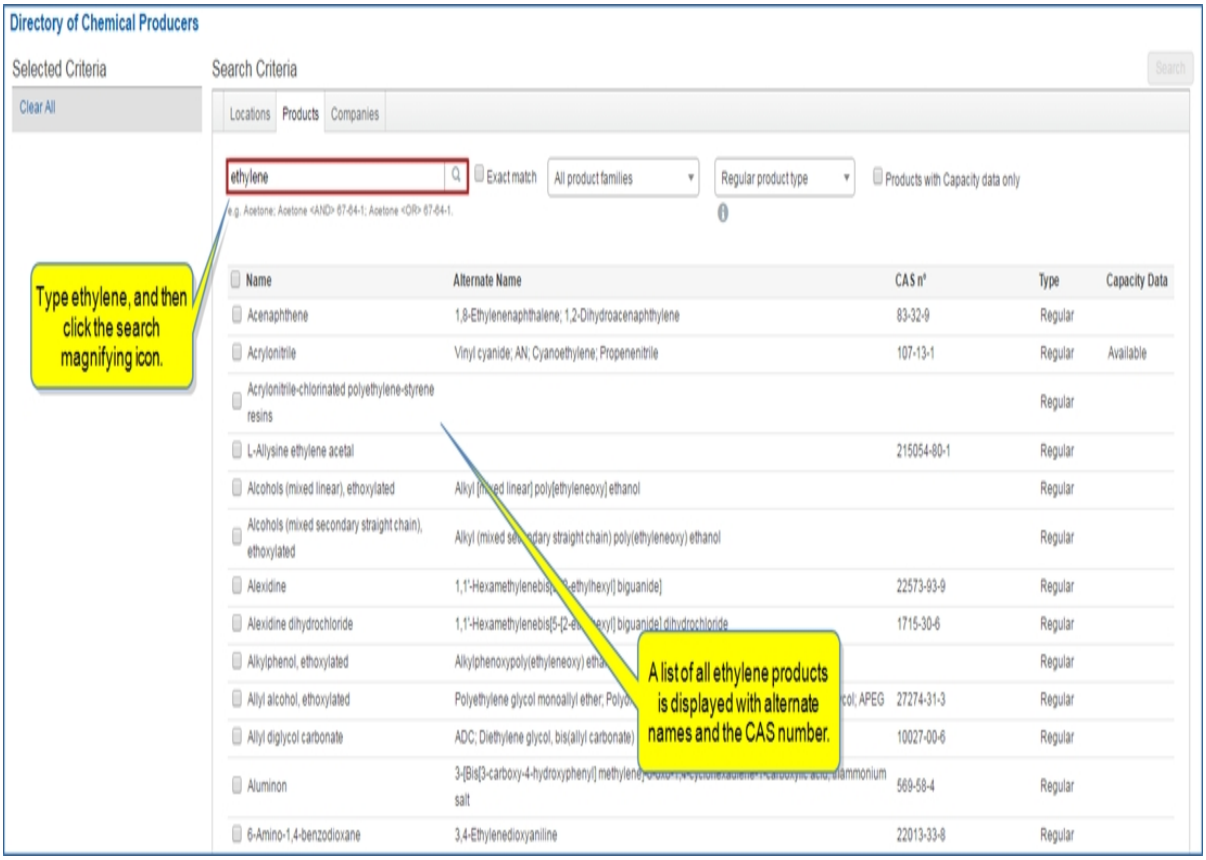
Directory of Chemical Producers - 19 Oct. 2016

Company country	Company name	Plant site	Product name	Type	Capacity	Unit	Remarks
China	PetroChina Lanzhou Petrochemical Company No. 10, Yumen Street, Xigu County Region Xigu District Lanzhou, Gansu Province, 730060 China 86-931-7931718 / 7933707 86-931-7561499 / 7368907 www.petrochina.com.cn	Lanzhou, Gansu Province	Nitrile rubber	Regular	65	thousand metric tons per year	
China	LANXESS-TSRC (Nantong) Chemical Industrial Co., Ltd. 3F, No. 1 Shen Hua Road Nantong Economic & Technological Development Zone Nantong, Jiangsu Province, 226009 China 86-513-85059199 86-513-85059184 www.lanxess-tsrc.com	Nantong, Jiangsu Province	Nitrile rubber	Regular	30	thousand metric tons per year	
China	Ningbo Shunze Rubber Co., Ltd. Haitian Rd., Ningbo Petrochemical ETDZ, Zhenhaiqu Ningbo, Zhejiang Province, 315207 China 86-574-86656208 86-574-86501123	Ningbo, Zhejiang Province	Nitrile rubber	Regular	50	thousand metric tons per year	
China	Zhenjiang Nantex Chemical Industry Co., Ltd. No. 99, Linjiang West Road, Zhenjiang New District Zhenjiang, Jiangsu Province, 212006 China 86-511-83366688 86-511-83366788	Zhenjiang, Jiangsu Province	Nitrile rubber	Regular	50	thousand metric tons per year	

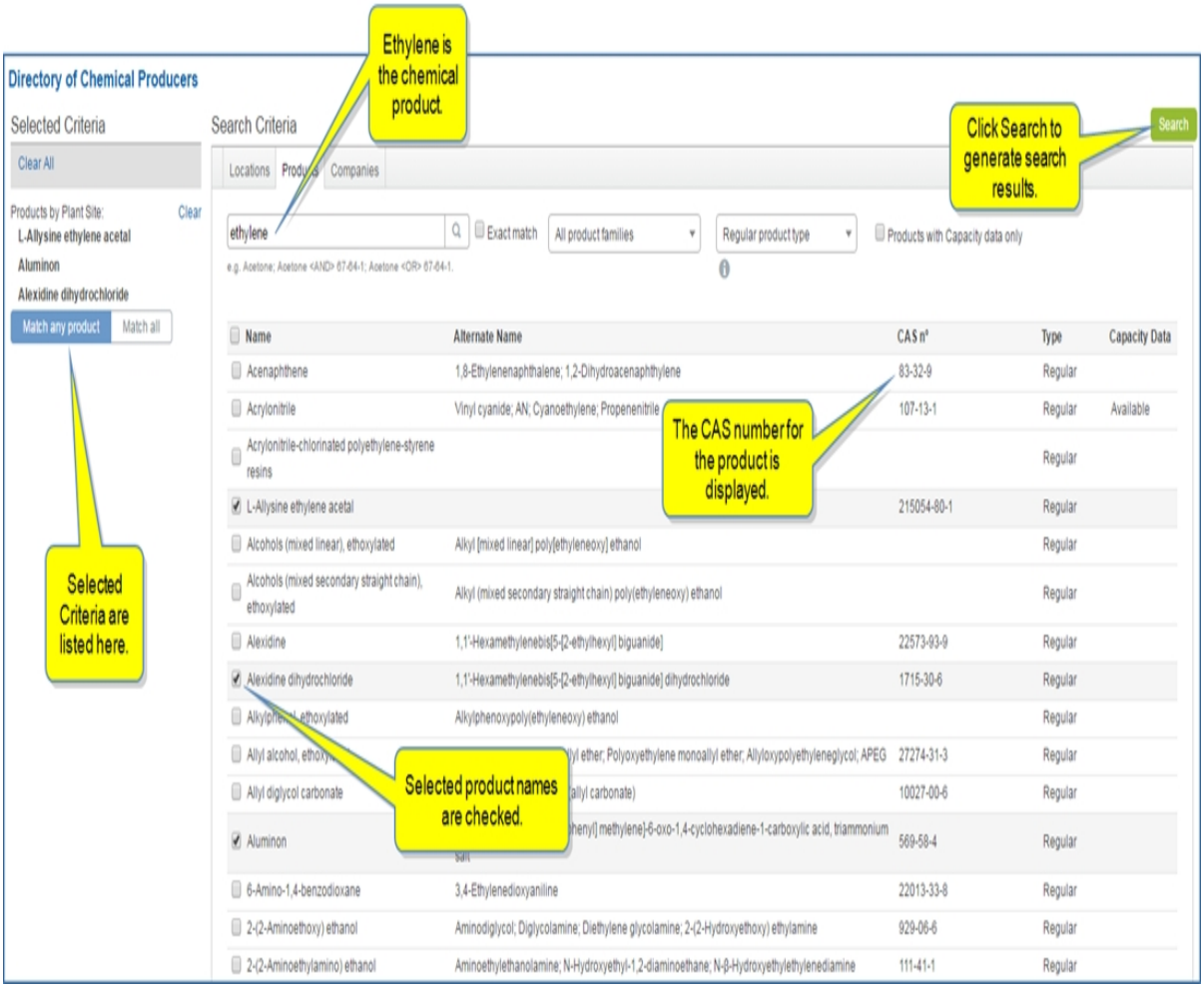
Searching by product name

To clear any previous searches, select the **Directory of Chemical Producers** heading in the breadcrumbs trail and **Clear All** criteria. You may need to delete any product names or numbers in the search field.

Enter a product name in the search field, and then click the search magnifying icon. We'll type **Ethelyne**. (You have the option of selecting **Exact match**.)



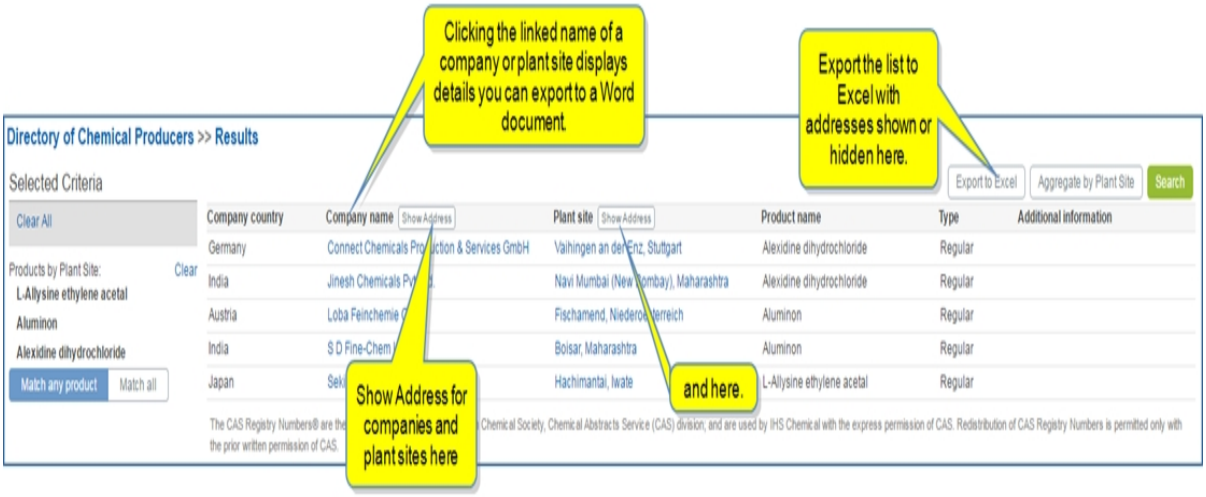
Select the items you want included in the search results, or select all by checking the box next to **Name**, and then choose **Search**.



Search results display the Company country, Company name, Plant site, Product name, Type, and Additional Information.

Click the title of a company or plant site for more detail that you can export to a Word document.

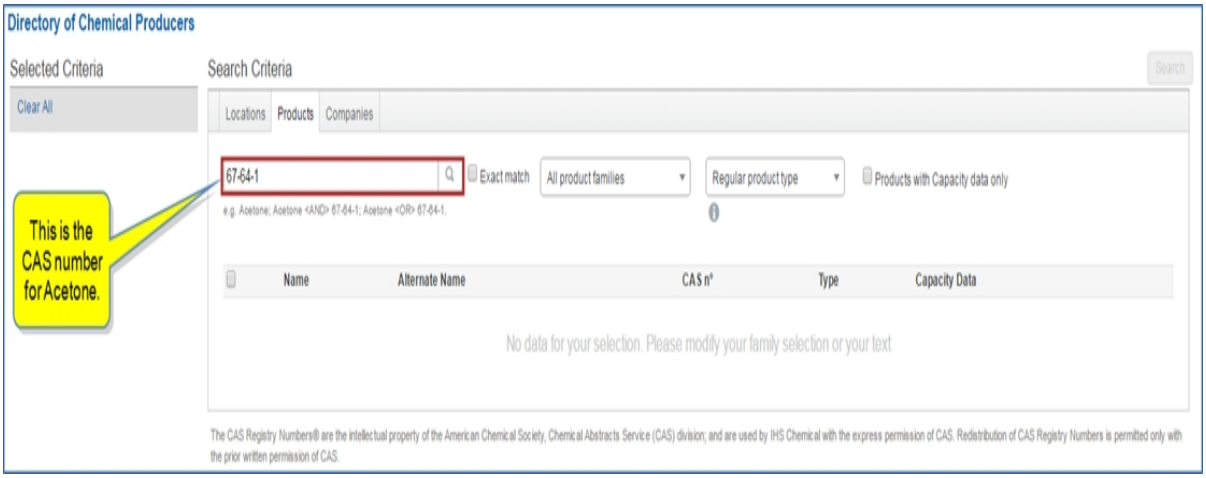
Export the results to Excel. If you want to display and export the address for companies or plant site, click **Show Address** and then **Export to Excel**.



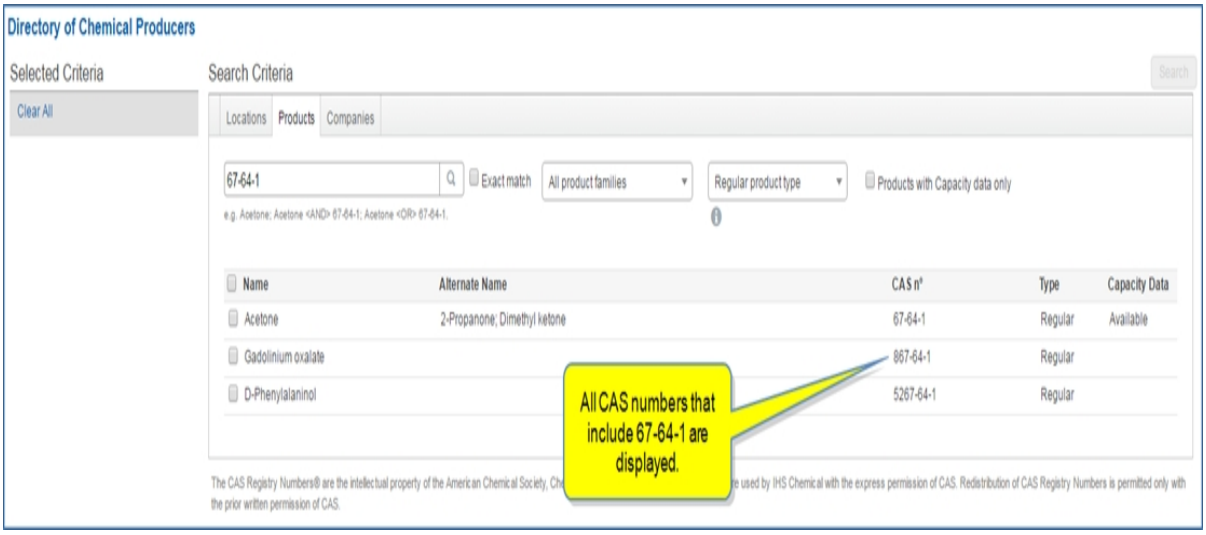
Searching by product number

To clear any previous searches, select the **Directory of Chemical Producers** heading in the breadcrumbs trail and **Clear All** criteria. You may need to delete any product names or numbers in the search field.

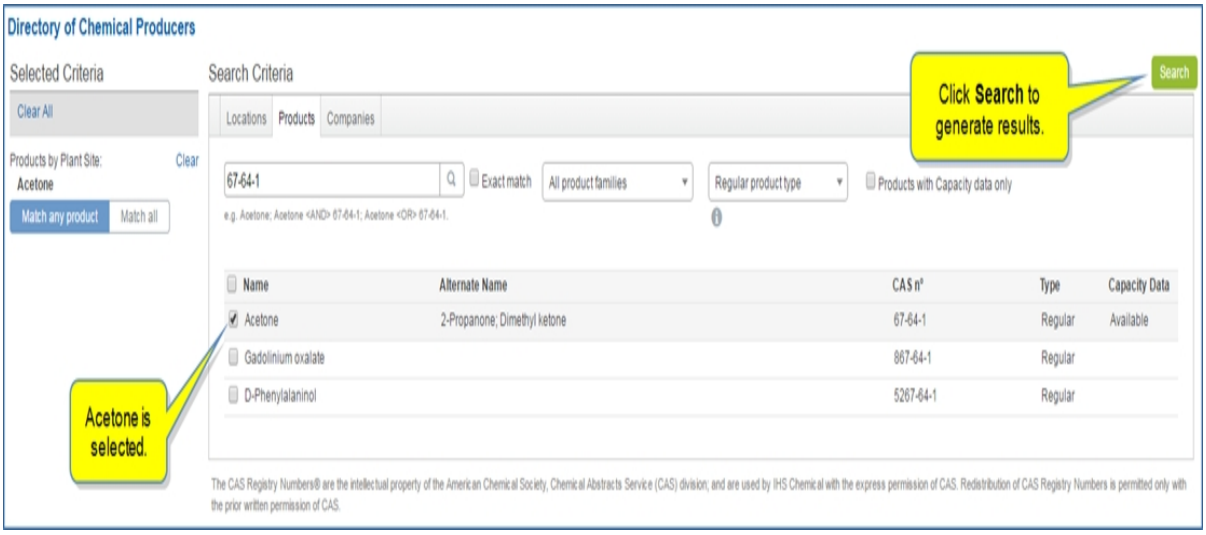
Enter a product number in the search field, and then click the search magnifying icon. We'll type **67-64-1**, the CAS number for Acetone.



When we select the search magnifying icon, the following list is displayed.



We'll select **Acetone** and then **Search**.

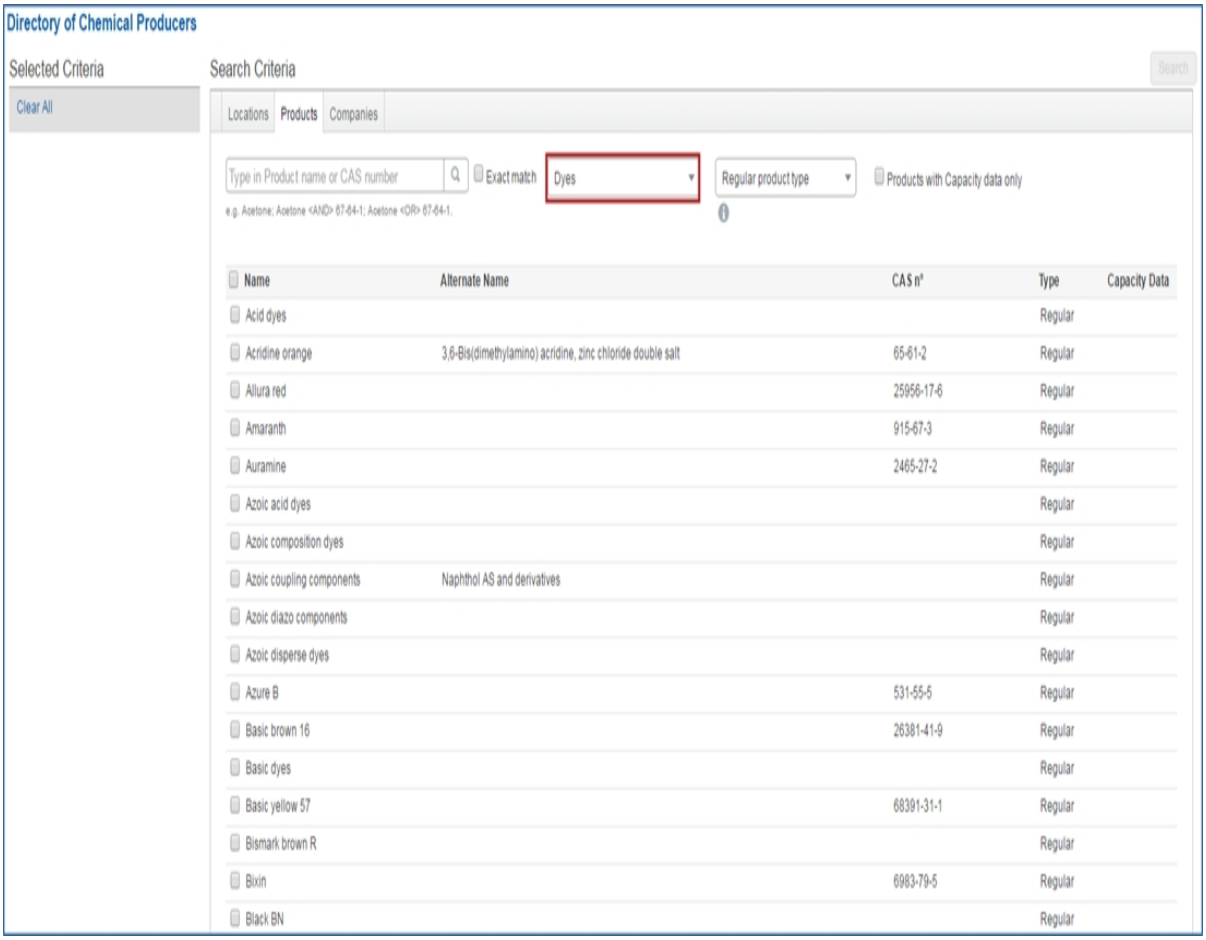


The search results list all companies and plant sites for the product name Acetone.

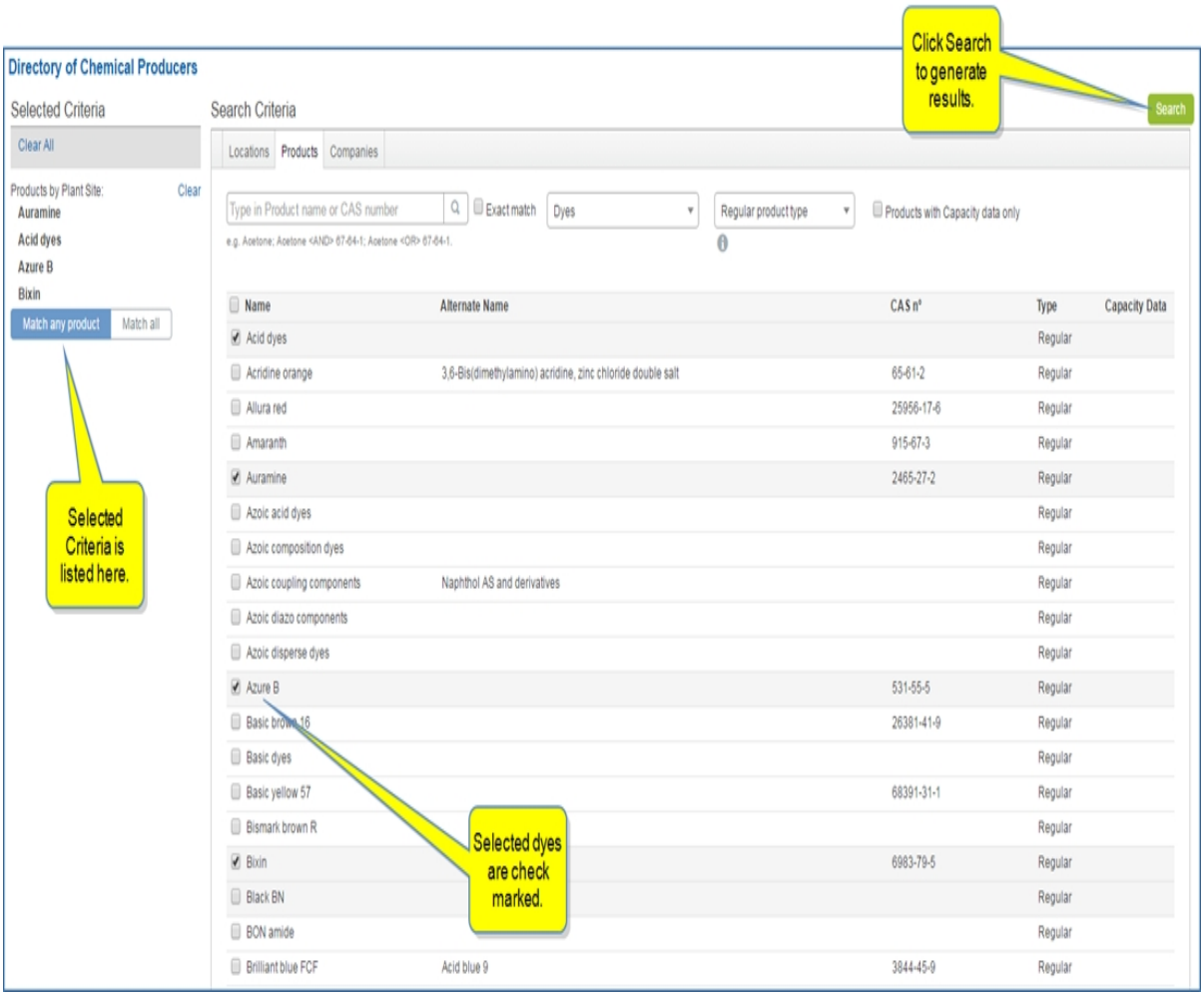
Searching by product family

To clear any previous searches, select the **Directory of Chemical Producers** heading in the breadcrumbs trail and **Clear All** criteria. You may need to delete any product names or numbers in the search field.

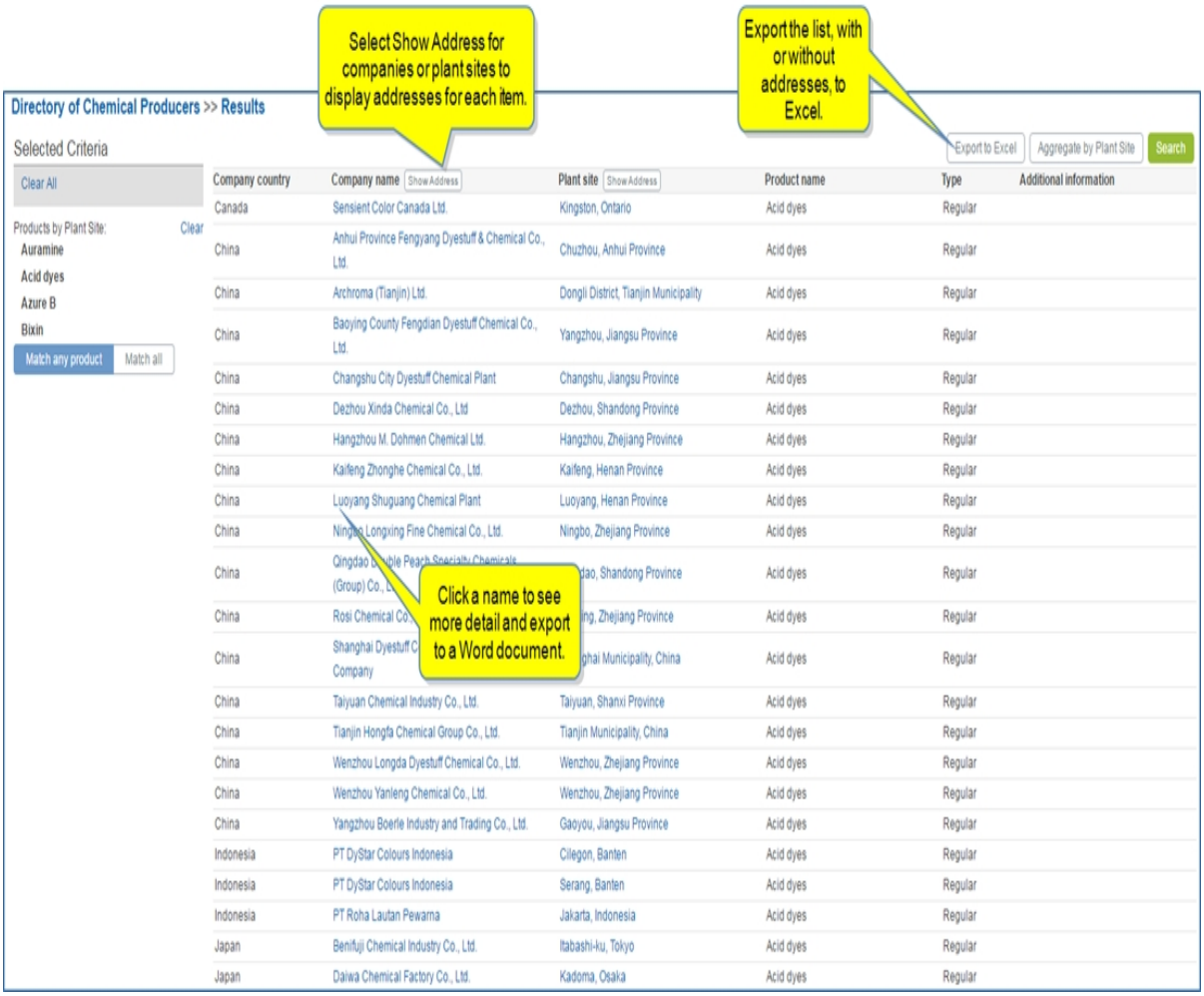
Other than All product families, you can select categorized products families from the drop-down list. In the following example, we've chosen **Dyes**. After selecting **Dyes** from the drop-down list, Directory of Chemical Producers displays a list of dyes, alternate names, CAS numbers, and type.



We'll select four dyes, and then click **Search**.



The results list the Company country, Company name, Plant site, Product name, Type, and Additional information. You can export the list to Excel, with or without addresses. You can also select the title of a company or plant site to view more detail that you can export to a Word document.



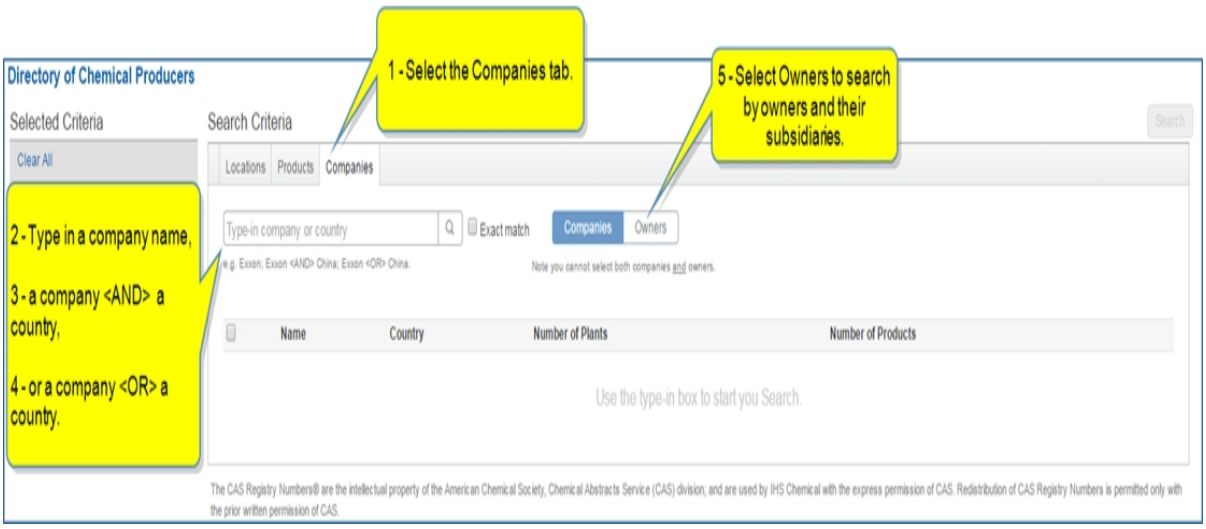
Searching by Company

To clear any previous searches, select the **Directory of Chemical Producers** heading in the breadcrumbs trail and **Clear All** criteria. You may need to delete any product names or numbers in the search field.

When you select **Chemical** from the menu bar and then **Directory for Chemical Producers**, the home page for Directory for Chemical Producers is displayed. Select the **Companies** tab.

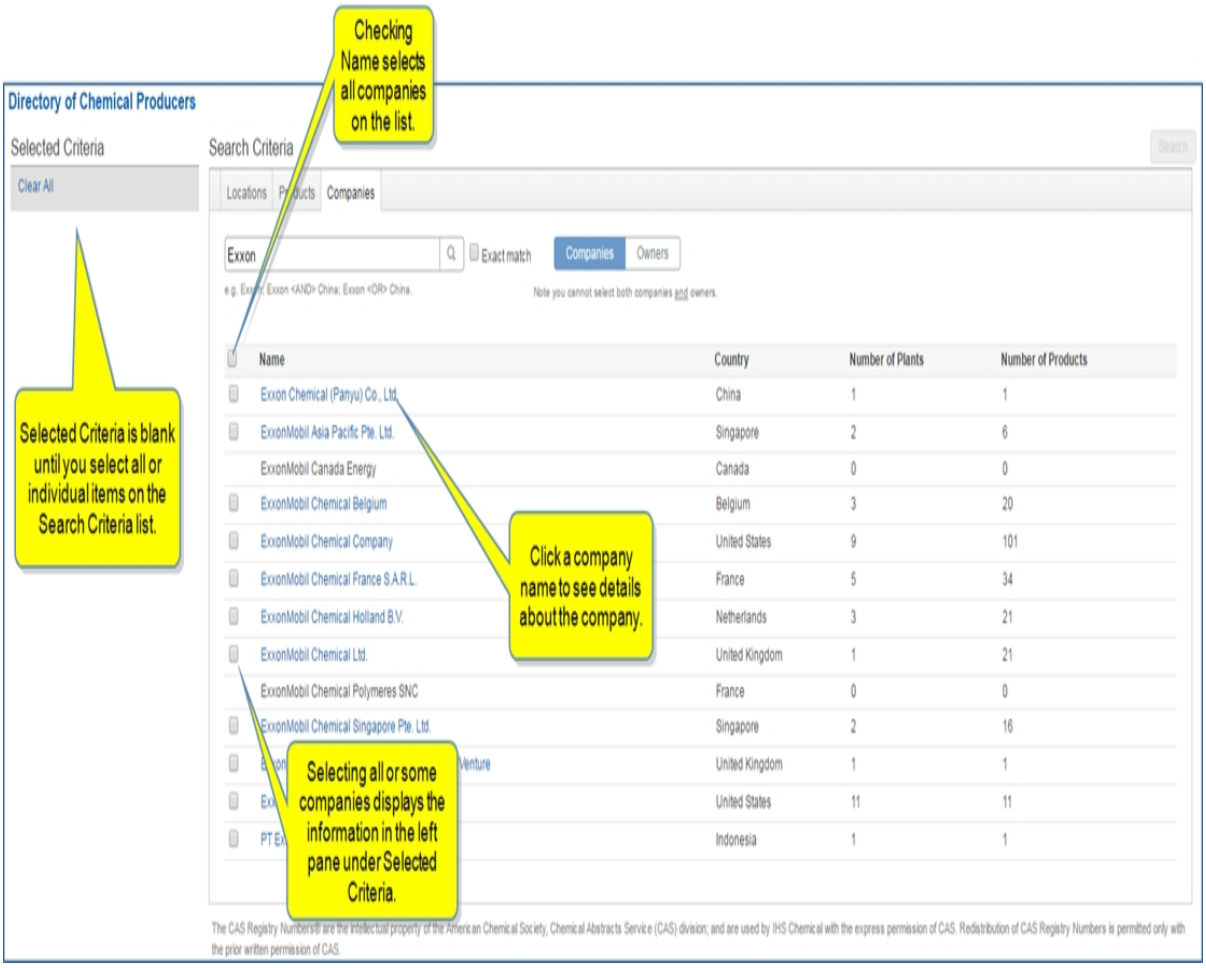
There are four ways to search the Directory of Chemicals database by company:

- Searching with company name
- Searching with a country
- Searching with company name and country
- Searching with company name or country
- Searching by owner

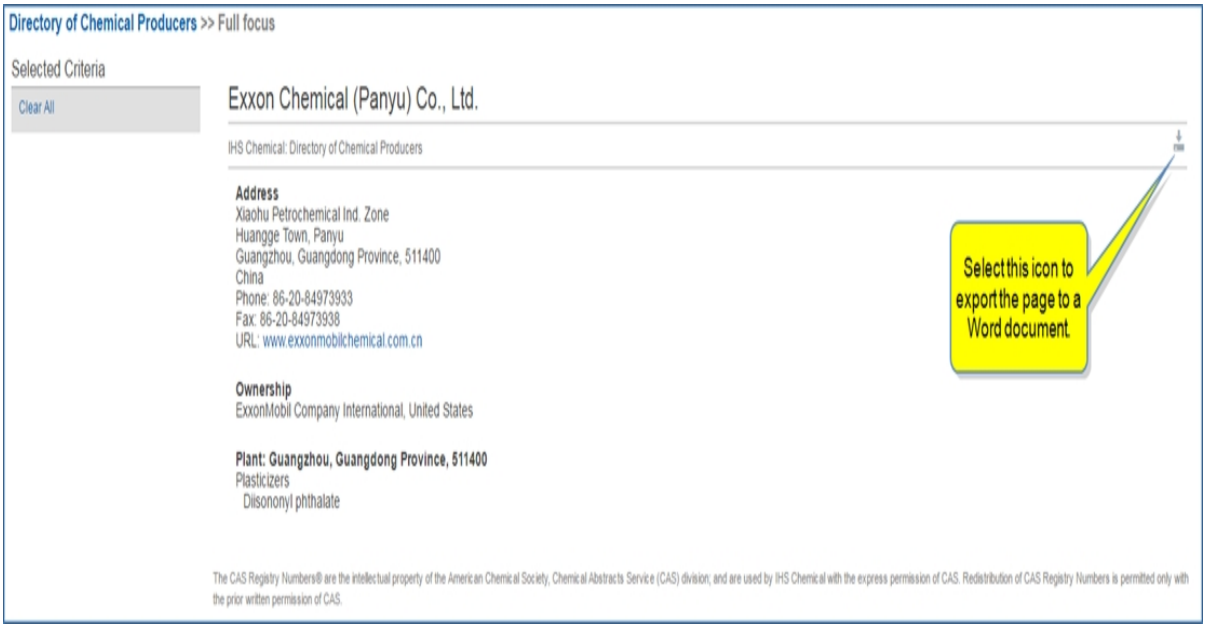


Searching with company name

When you enter a company name, like Exxon, a list of Exxon companies, the countries where they are located, the number of plants, and number of products are listed in the Search Criteria pane.



Clicking a company name displays the address, ownership, and plant information about the company.



You can export the information to a Word document.

Directory of Chemical Producers - 21 Oct. 2016

Exxon Chemical (Panyu) Co., Ltd.

Address
Xiaohu Petrochemical Ind. Zone
Huangge Town, Panyu
Guangzhou, Guangdong Province, 511400
China
Phone: 86-20-84973933
Fax: 86-20-84973938
URL: www.exxonmobilchemical.com.cn

Ownership
ExxonMobil Company International, United States

Plant: Guangzhou, Guangdong Province, 511400
Plasticizers
Diisononyl phthalate

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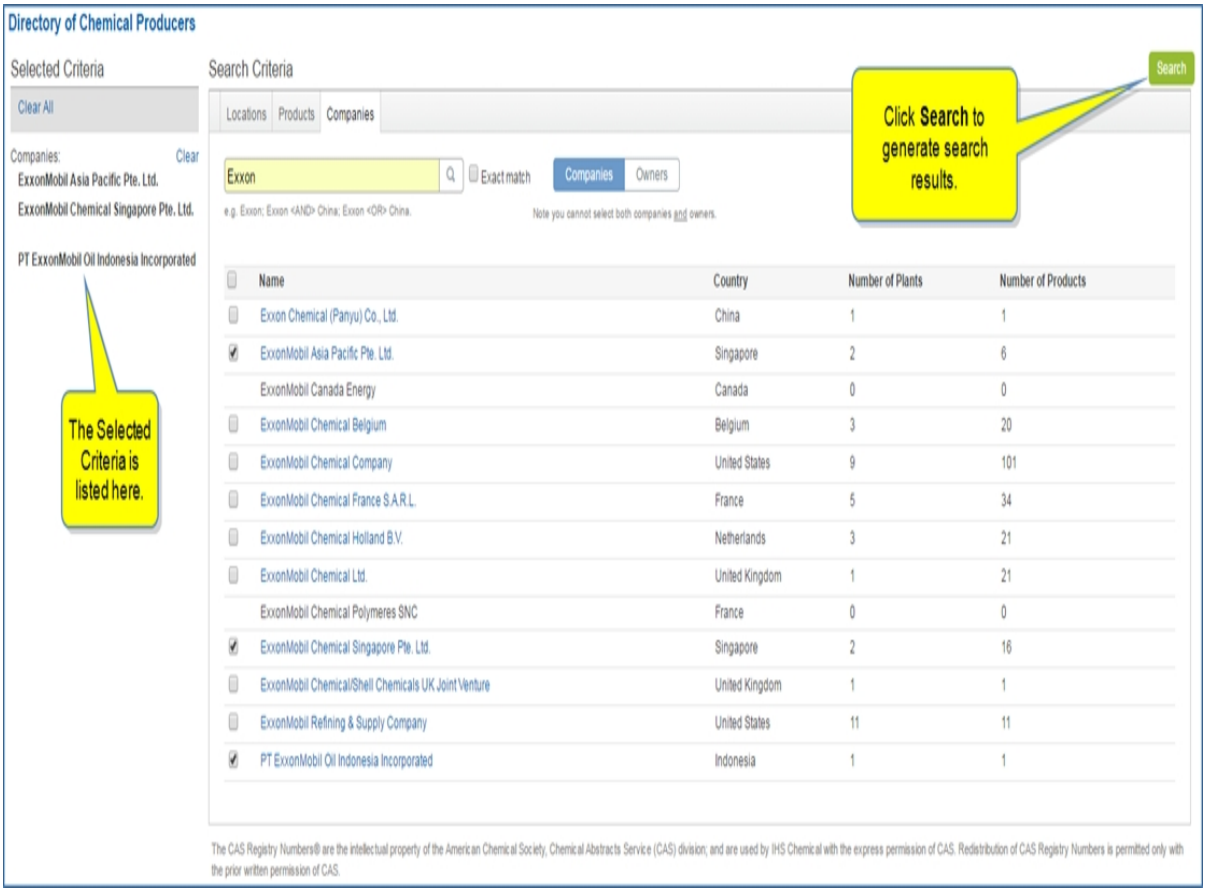
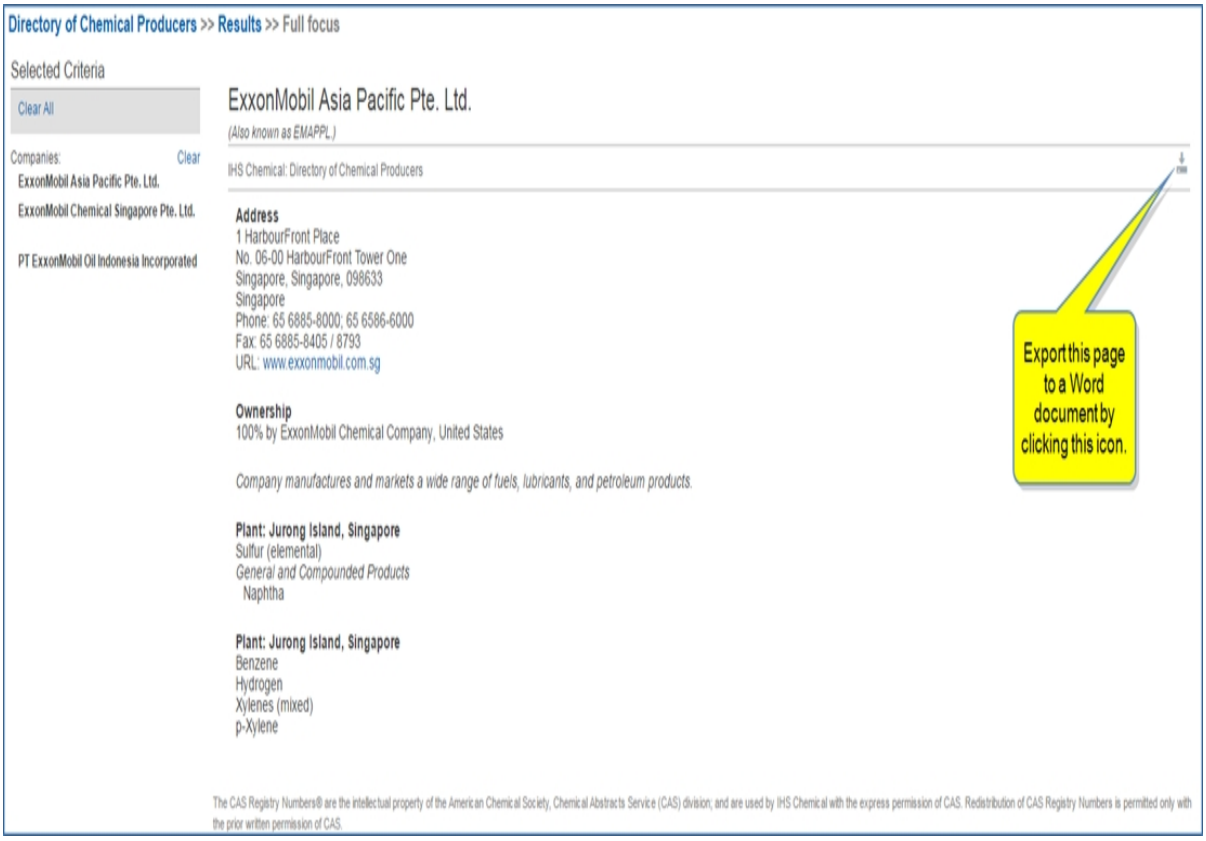
Select your criteria, and then click **Search** to generate search results.



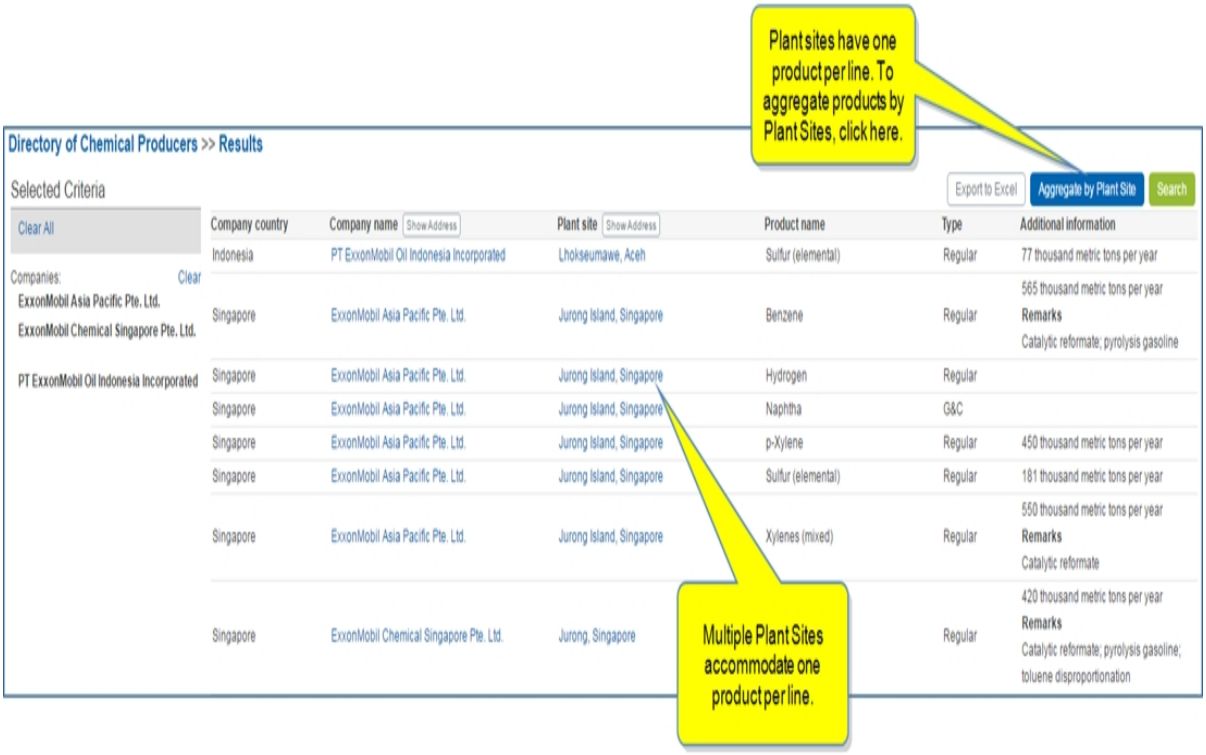
The results table displays the Selected Criteria, Company country, Company name, Plant site, and Product name for each item. You can export the list to Excel. If you select the **Show Address** button, all companies or plant sites are displayed with their address—you can export the full address list to Excel, as well.

Click a company or plant site to see more details. You can export the details to a Word document.



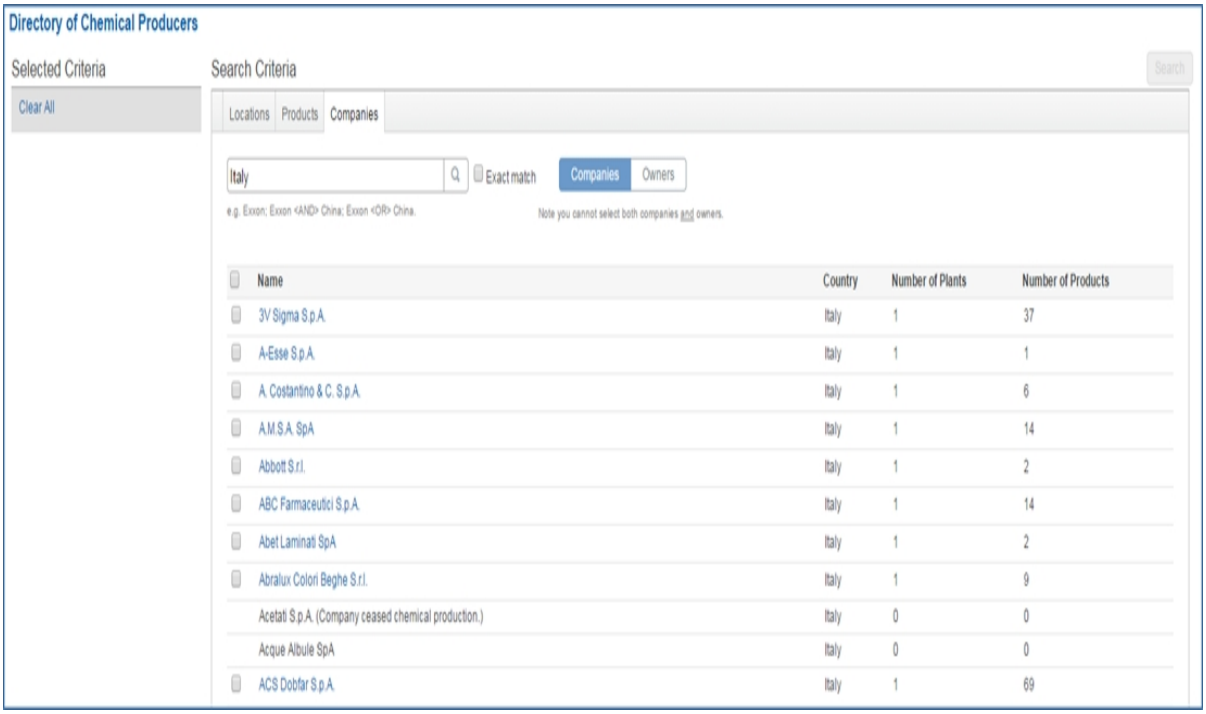
Search results display more than one product on a line for a Plant site in the default view.

Select **Split by Product** to view each product on its own line.



Searching with a country

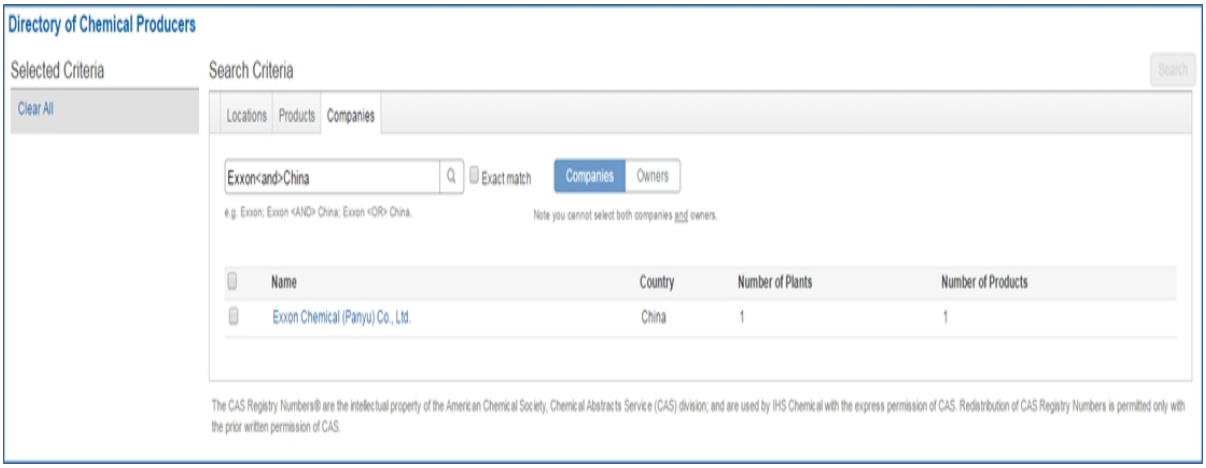
When you enter a country in the search field, all the companies in the country are listed. The number of plants and products are indicated.



See ***Searching with company name*** to review other features and steps for the search.

Searching with company name and country

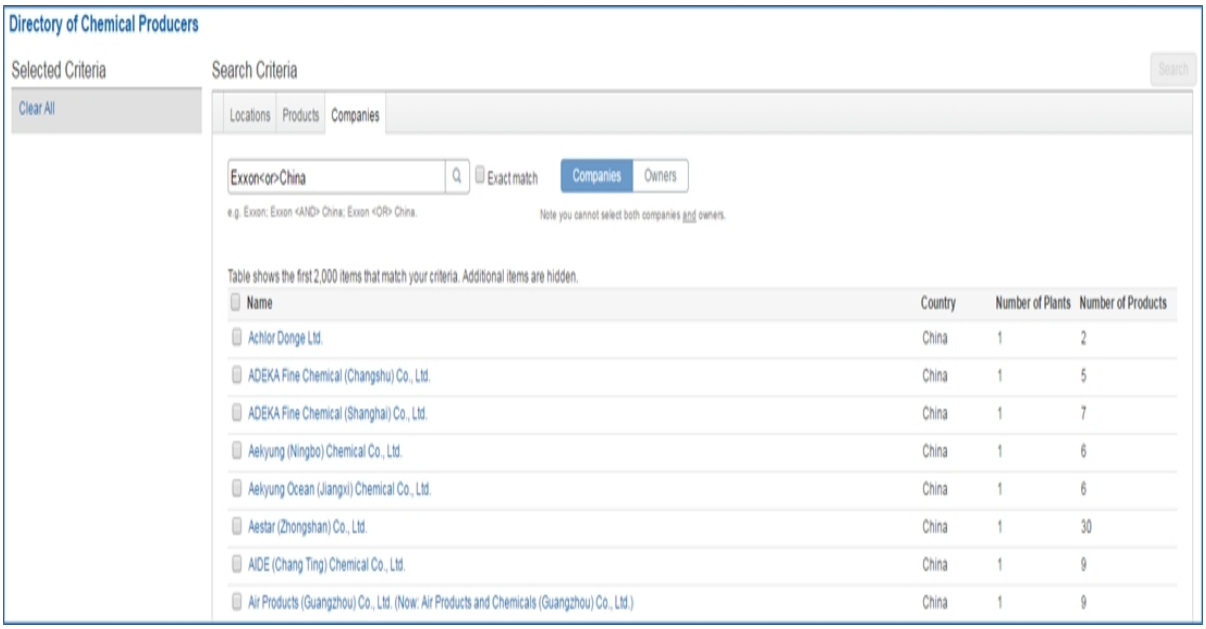
Searching with a company name **AND** country brings back results for the company in that country. For example, **Exxon<and>China** displays Exxon in China with one plant and product.

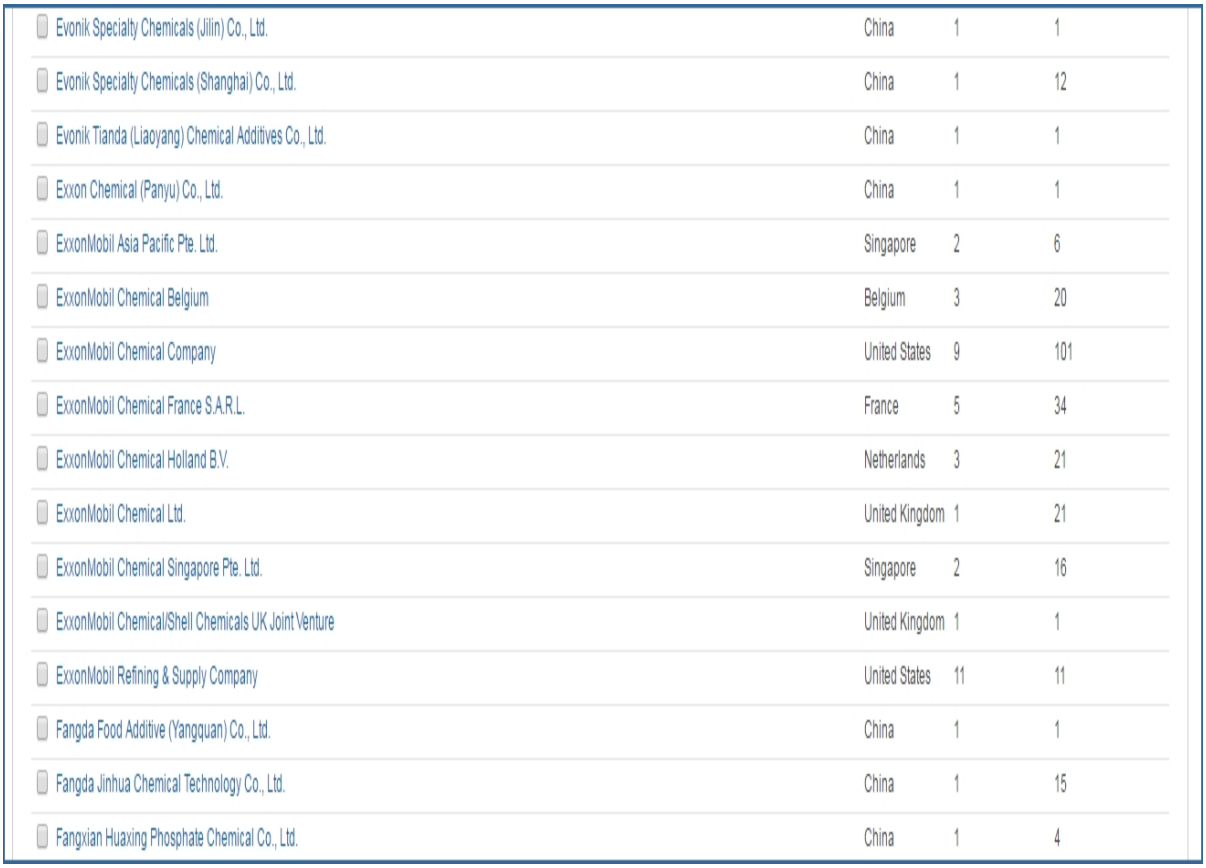


See ***Searching with company name*** to review other features and steps for the search.

Searching with company name or country

Searching with a company name **OR** country displays both results for the company and country. For example, **Exxon<or>China** displays everything for Exxon and all chemical producers in China.



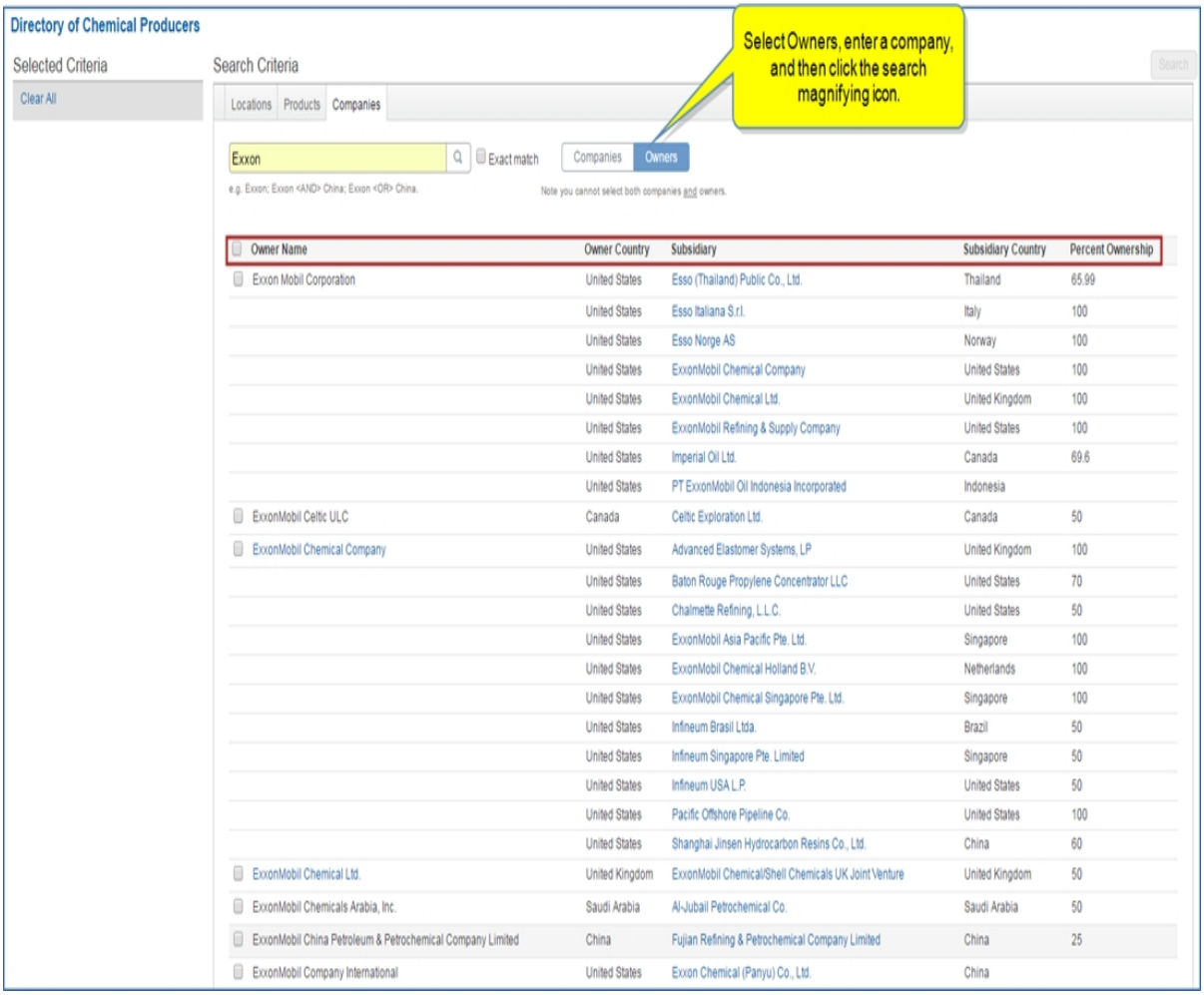


Evonik Specialty Chemicals (Jilin) Co., Ltd.	China	1	1
Evonik Specialty Chemicals (Shanghai) Co., Ltd.	China	1	12
Evonik Tianda (Liaoyang) Chemical Additives Co., Ltd.	China	1	1
Exxon Chemical (Panyu) Co., Ltd.	China	1	1
ExxonMobil Asia Pacific Pte. Ltd.	Singapore	2	6
ExxonMobil Chemical Belgium	Belgium	3	20
ExxonMobil Chemical Company	United States	9	101
ExxonMobil Chemical France S.A.R.L.	France	5	34
ExxonMobil Chemical Holland B.V.	Netherlands	3	21
ExxonMobil Chemical Ltd.	United Kingdom	1	21
ExxonMobil Chemical Singapore Pte. Ltd.	Singapore	2	16
ExxonMobil Chemical/Shell Chemicals UK Joint Venture	United Kingdom	1	1
ExxonMobil Refining & Supply Company	United States	11	11
Fangda Food Additive (Yangquan) Co., Ltd.	China	1	1
Fangda Jinhua Chemical Technology Co., Ltd.	China	1	15
Fangxian Huaxing Phosphate Chemical Co., Ltd.	China	1	4

See ***Searching with company name*** to review other features and steps for the search.

Searching by owner

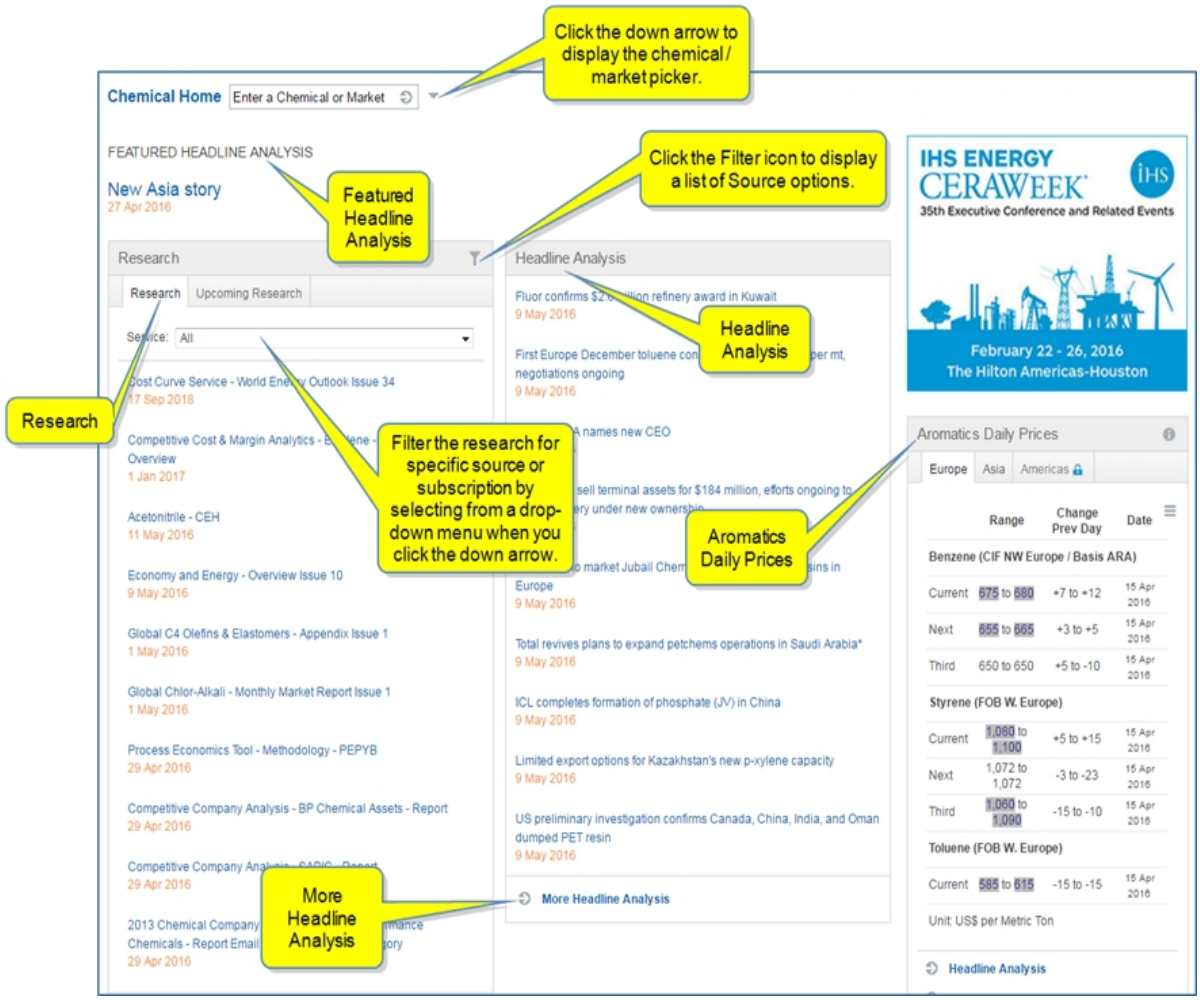
When you select Owner, you can search for a company and view all owners and subsidiaries. The Owner name, Owner Country, Subsidiary, Subsidiary Country, and Percent Ownership are displayed.



See ***Searching with company name*** to review other features and steps for the search.

Chemical Home

Chemical Home gives you an overview of Chemical coverage. The overview for all chemicals includes a Featured Headline Analysis and modules for Research, Headline Analysis, Aromatics Daily Prices, Olefins & Polymers Daily Prices, Quarterly Balance Table, and Operating Schedule. You can also enter a chemical or market in the search field, or select from the chemical / market picker to focus on a particular item.



Modules on the Chemical Home page

The modules on the Chemical Home page include Research, Headline Analysis, Aromatics Daily Prices, Olefins & Polymers Daily Prices, Quarterly Balance Table, and Operating Schedule. Content available on the Chemical Home page is dependent upon your subscription. A padlock displayed next to an article indicates that your subscription does not include access.

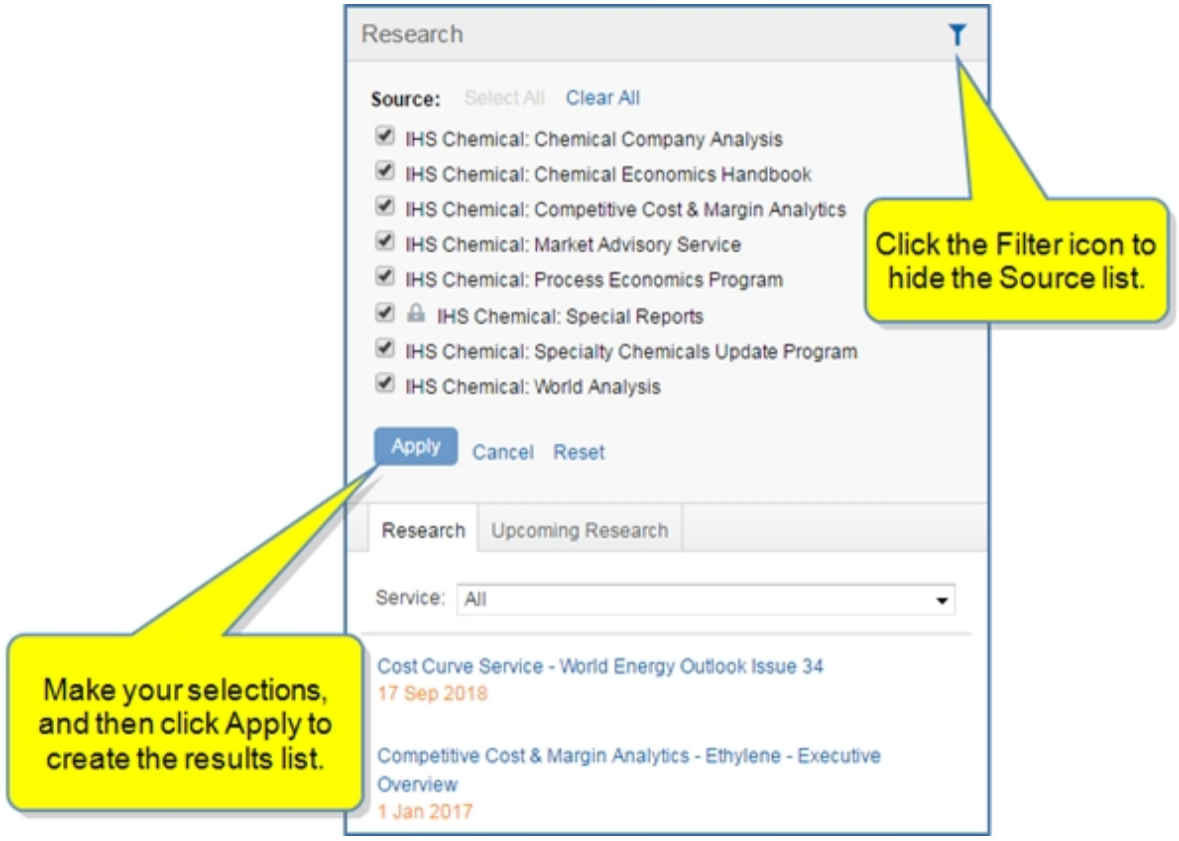
Featured Headline Analysis

The featured article appears at the top of the page.

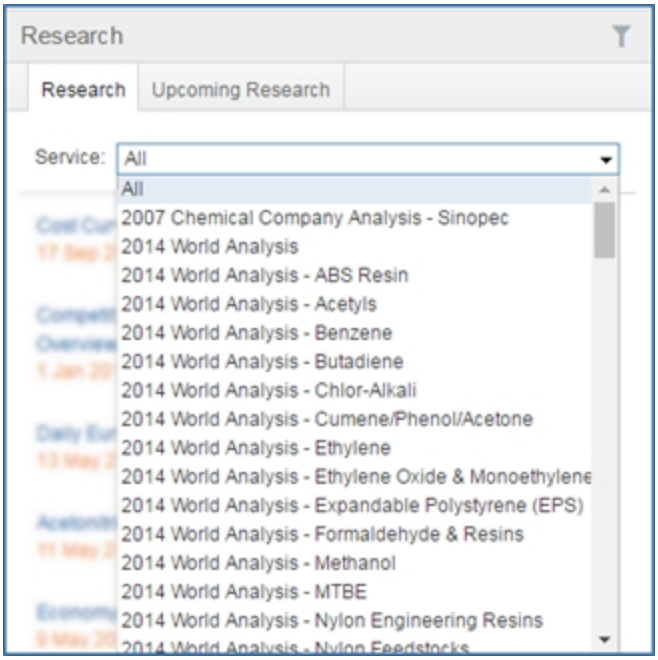
Research

Research contains tabs for **Research** and **Upcoming Research**. When you select the Filter icon, the Source options are displayed. You can select one or more sources, all sources, or **Clear All**. You can also **Cancel** or **Reset**, but when you select **Apply**, your choices are applied to the search results.

A padlock on a source indicates that you do not have access to that resource.

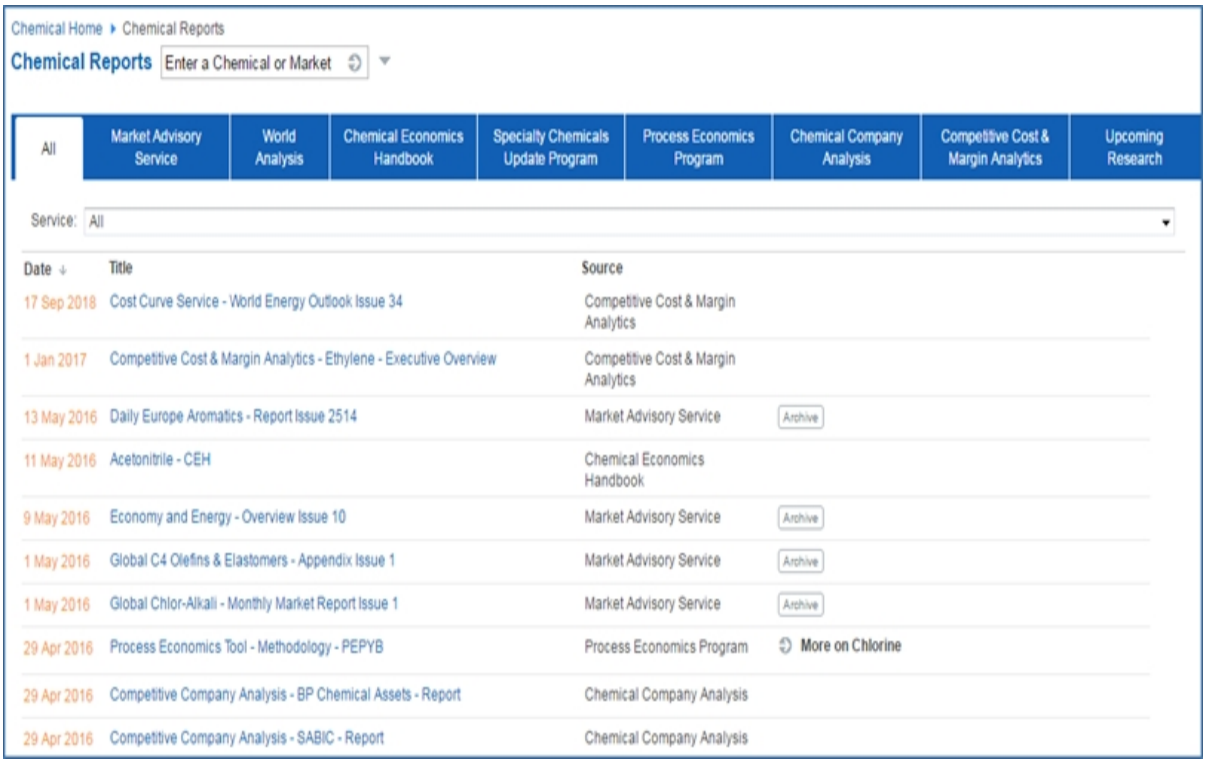


When you click the Service drop-down arrow, you can scroll through the list of sources and subscriptions to narrow results according to your preference.



The link for

takes you to the page. All of the chemical reports are listed or archived, and you have the option to filter by source by clicking the corresponding tab.



Headline Analysis

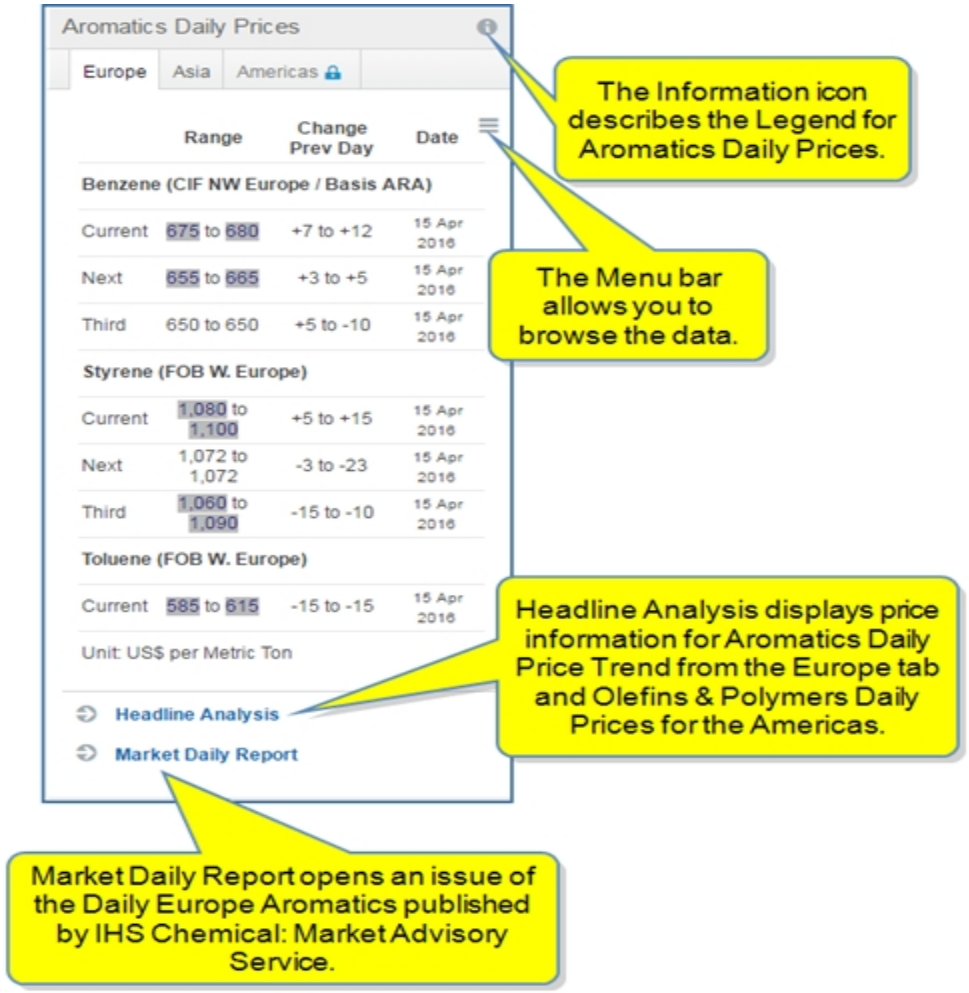
Headline Analysis on the Chemical Home page focuses on recent headlines covering all chemicals.

The link for **More Headline Analysis** takes you to the Headline Analysis world page focused on Chemical.

For more information on Headline Analysis, see Headline Analysis and Daily Pricing.

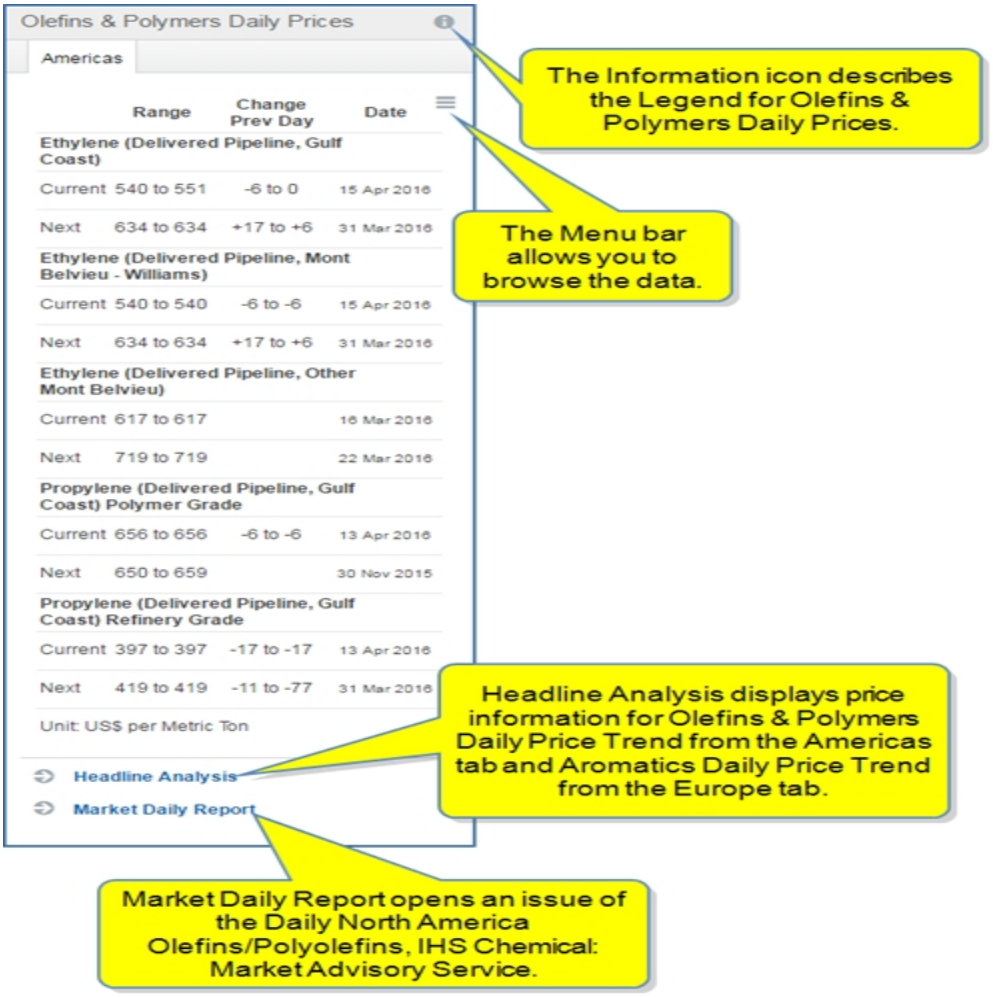
Aromatics Daily Prices

Aromatics Daily Prices displays daily pricing data for Europe, Asia, and Americas. The chemicals included are Benzene, Xylenes (Mixed), Paraxylene, Styrene, and Toluene. The values are displayed in US$ per Metric ton.



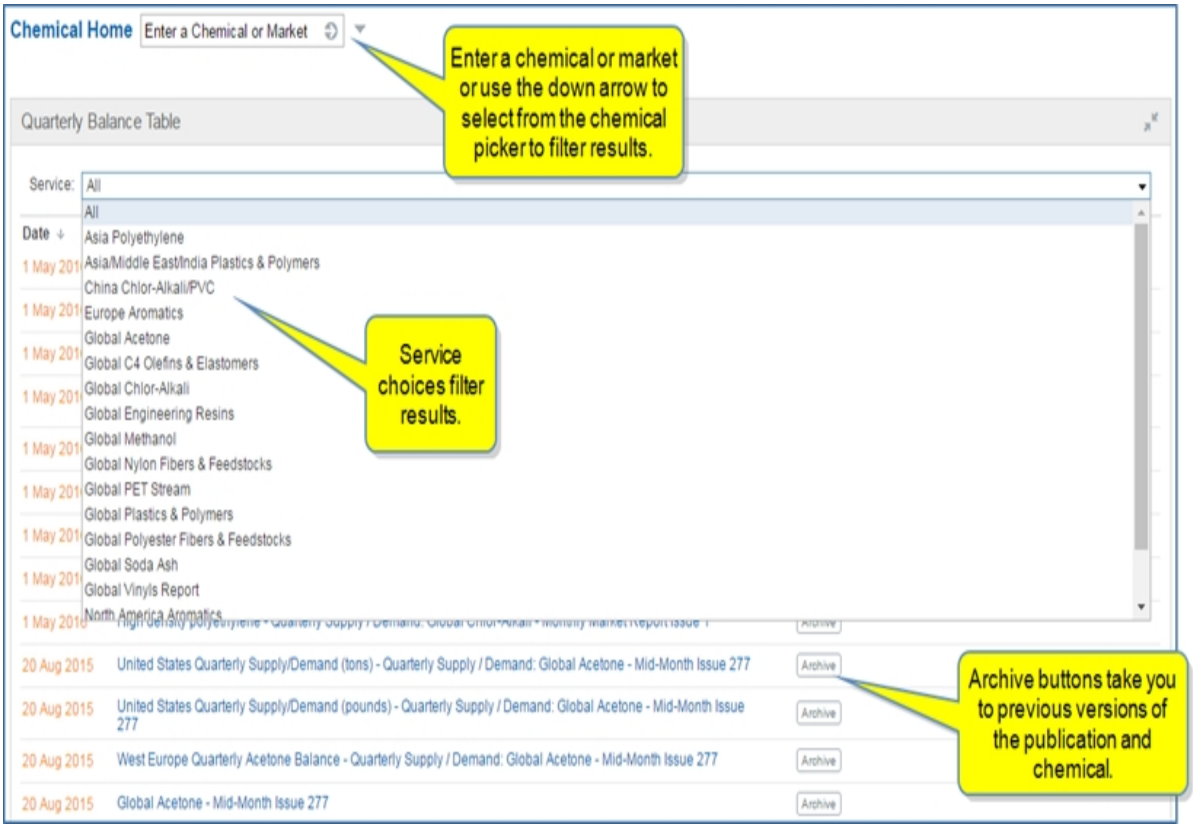
Olefins & Polymers Daily Prices

Olefins & Polymers Daily Prices provide Americas daily price data. The chemicals included are Ethylene and Propylene. The values are displayed in US$ per Metric ton.



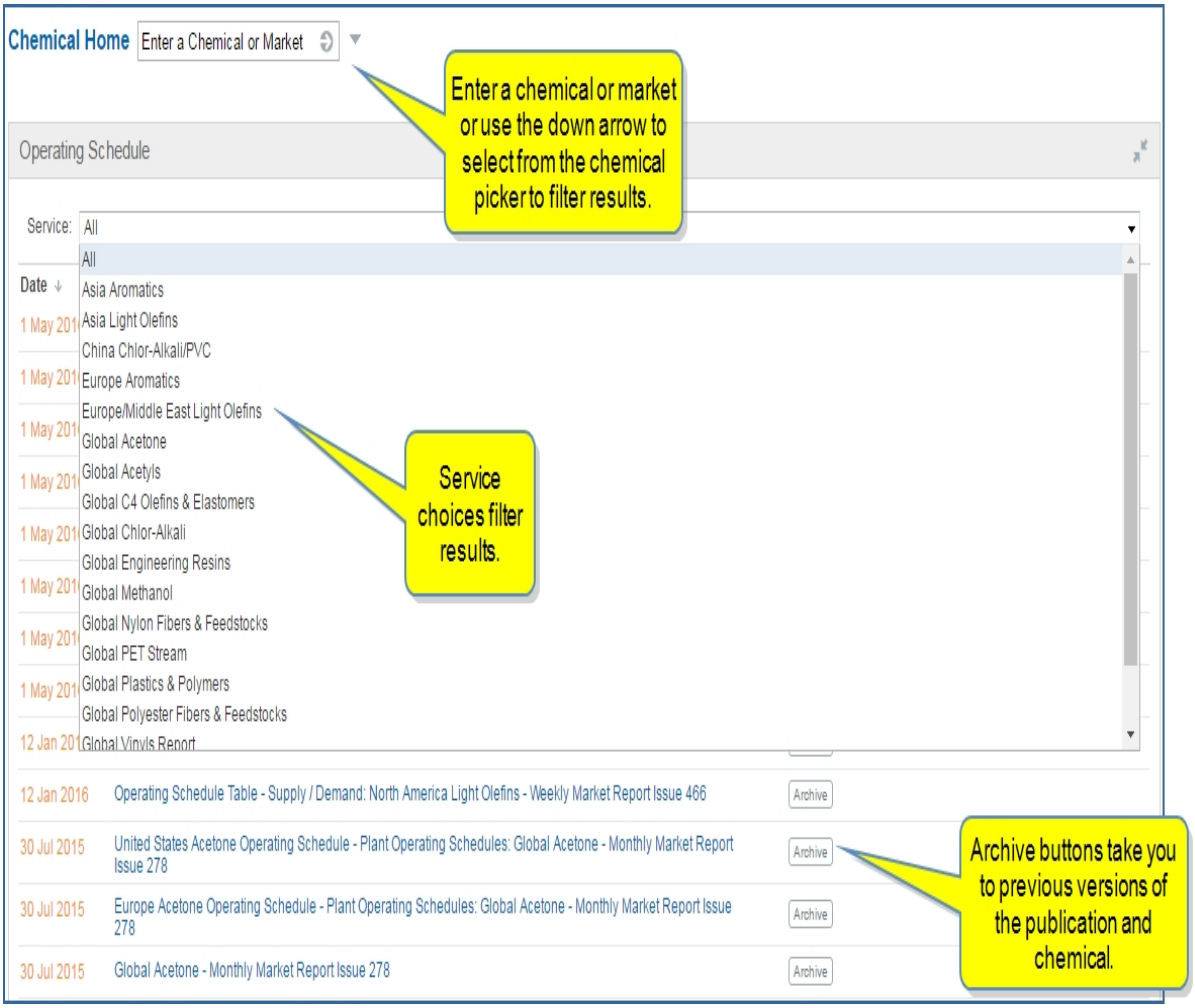
Quarterly Balance Table

Quarterly Balance Tables help you quickly assess supply and demand forecast data. The tab provides direct access to Quarterly Supply Demand Balances supplemental files. You can maximize the module, which allows you to filter results by a chemical or market and view archived issues of a publication, as well as filter by service.



Operating Schedule

Operating Schedule provides a Service drop-down list so you can filter with a specific service and then view plant operating schedules for regions and chemicals. You can maximize the module for a larger view that includes Archive buttons to view previous publication issues.



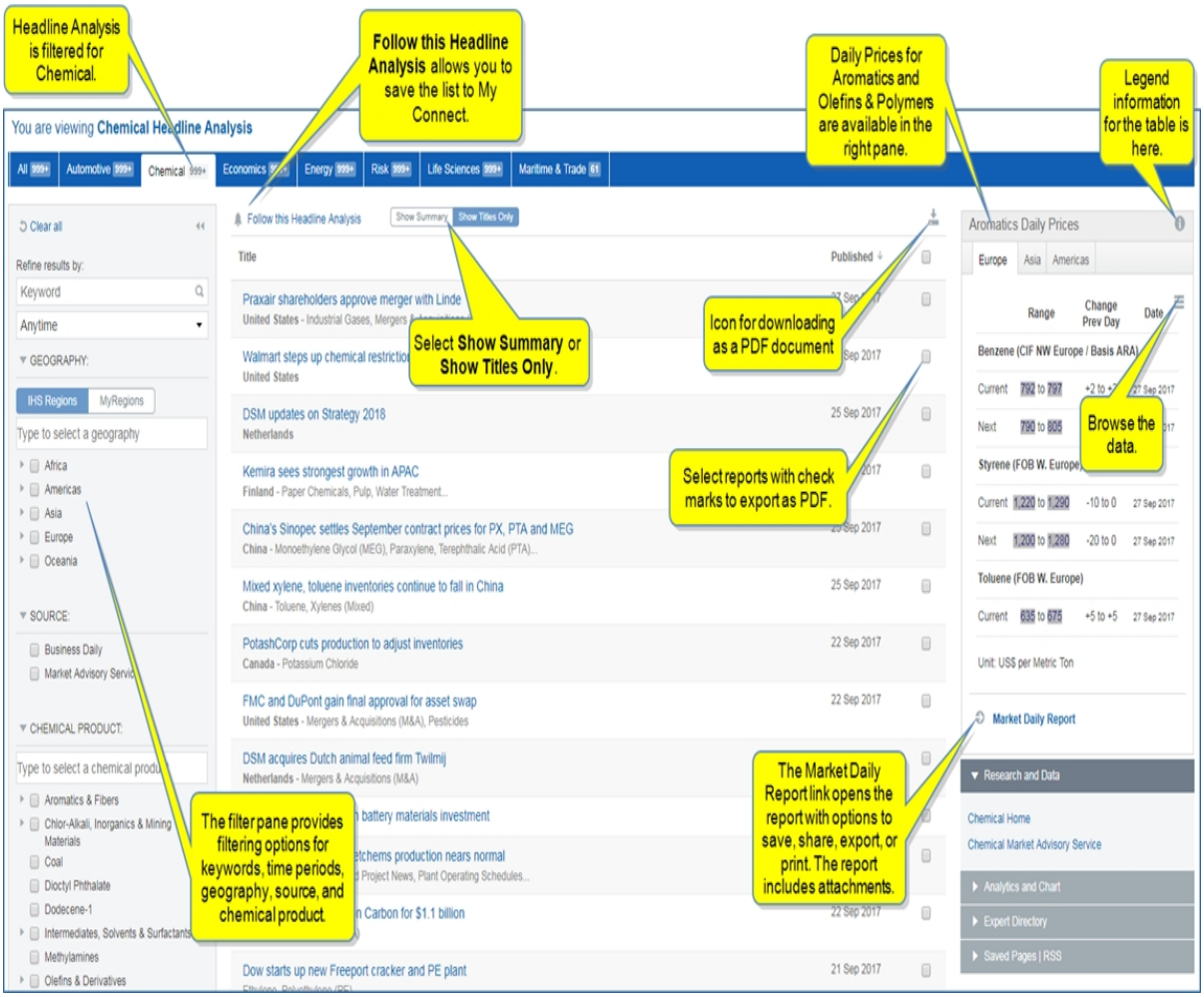
Headline Analysis and Daily Pricing

The Headline Analysis and Daily Price capability page opens the Chemical Headline Analysis World page with daily price information. Filters are available in the left pane, articles are listed in the center pane, and daily price tables for Aromatics and Olefins & Polymers are displayed in the right pane. Also included in the right pane are accordion drawers containing links for Research and Data, Analytics and Chart, and Saved Pages | RSS.

The geography default is the World, but you can select a specific geography under the Geography filter in the left pane. By default, the time selection is "Anytime." However, you can adjust the time frame in the drop-down menu. If you select a region that does not have data for the time frame you have selected, Connect takes the calendar to the most recent date when data is available. In some cases, you may receive a message telling you there is no current data available. If you select a country, headlines are simply displayed in reverse chronological order, and you cannot filter for a specific time period.

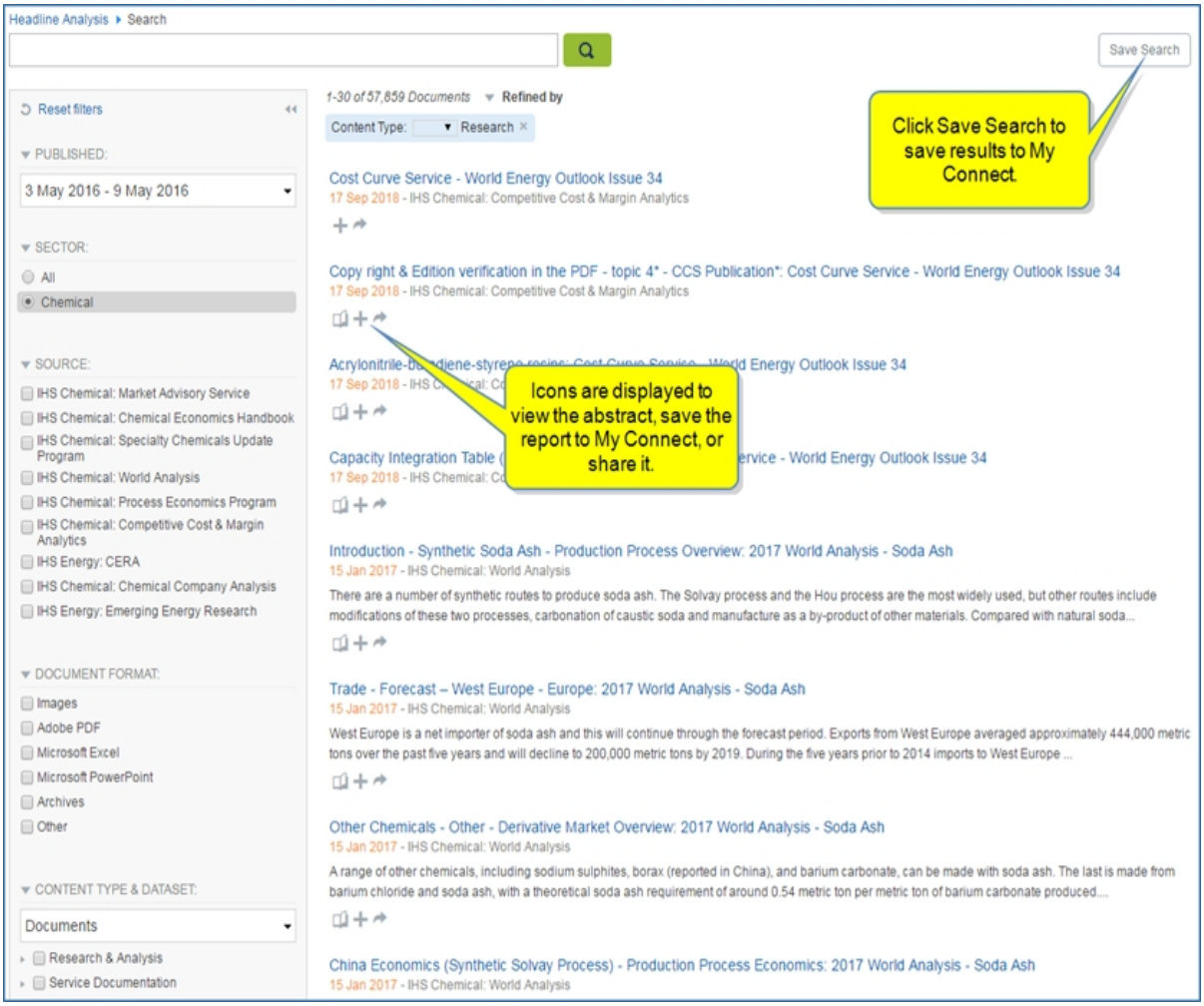
Clicking the **Headline Analysis and Daily Pricing** link on the Chemical megamenu takes you directly to Headline Analysis for the world filtered for Chemical. The focus is Chemical; however, you can select All to view research on Chemical, Economics Energy, and Risk, or you can select these domains individually. The

number of articles available are displayed on the tab headings. These numbers change as you refine results using the filters in the filter pane. See ***Filter pane*** below.



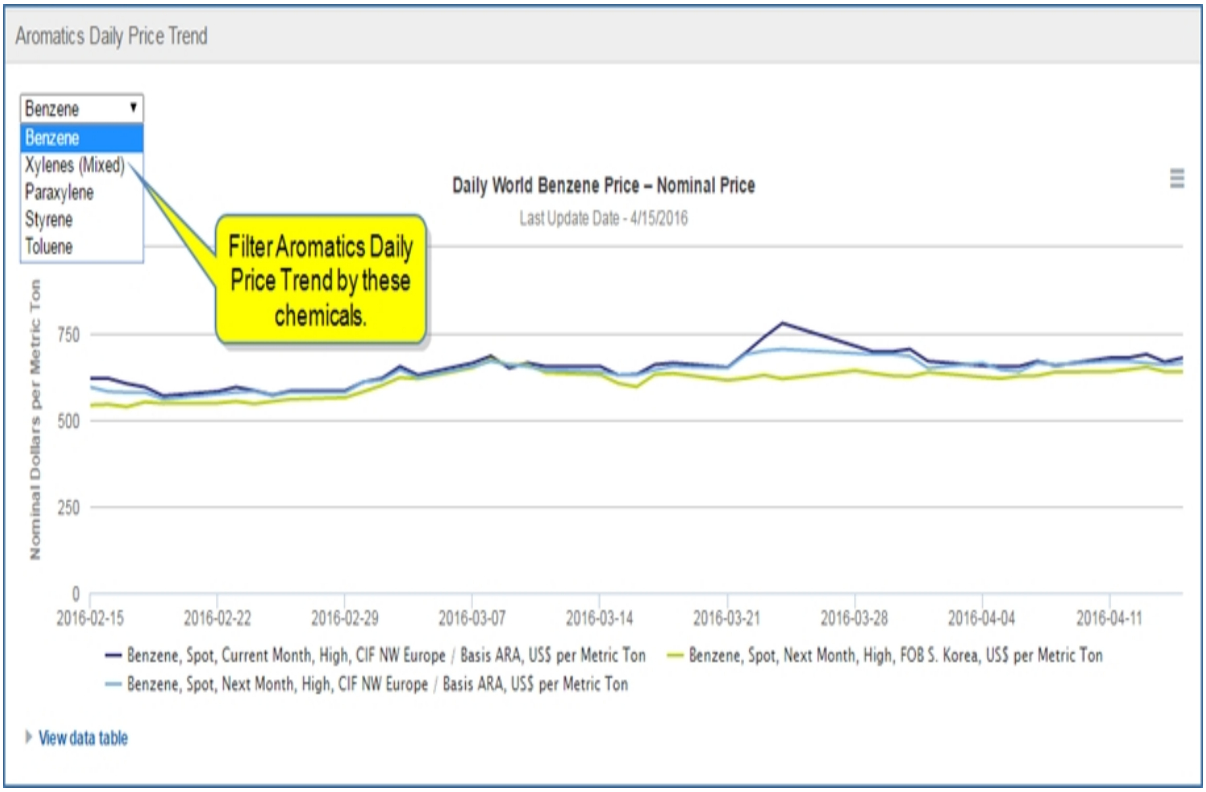
Select one or more articles or check **Published** to select all articles. When you are satisfied with your selections, click the **Download** icon to create a PDF document.

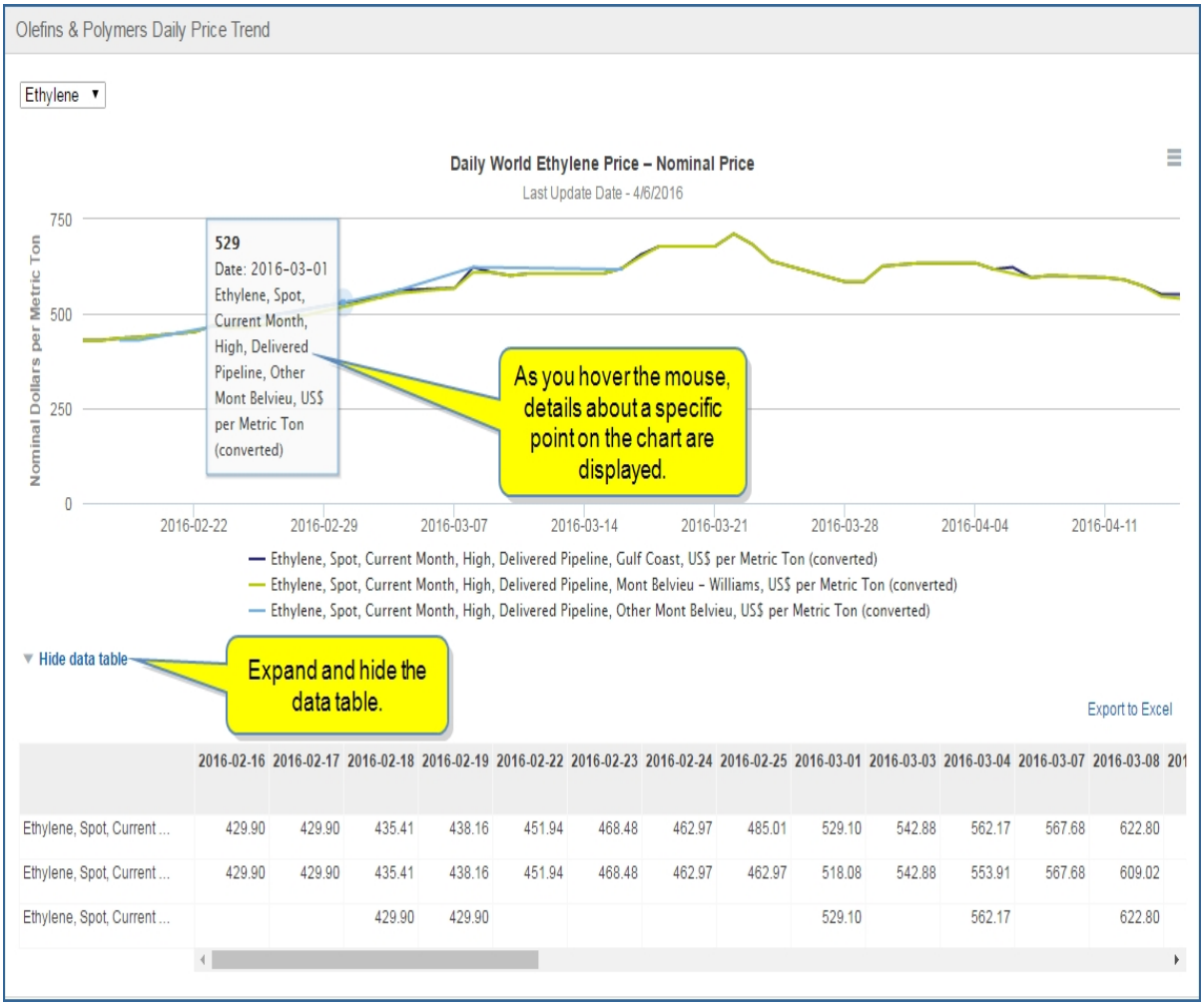
Click the title of a report to open the full report.



Two modules in the right pane of the Headline Analysis list are Aromatics Daily Price Trend and Olefins & Polymers Daily Price Trend. You can filter Aromatics Daily Price Trend for Benzene, Xylenes (Mixed), Paraxylene, Styrene, and Toluene. You can filter Olefins & Polymers Daily Price Trend for Ethylene and Propylene.

When you hover over the charts for each module, detailed information is displayed for a specific placement on the chart. In addition, you can expand the data table and use the horizontal scroll bar to move forward in time to view data.

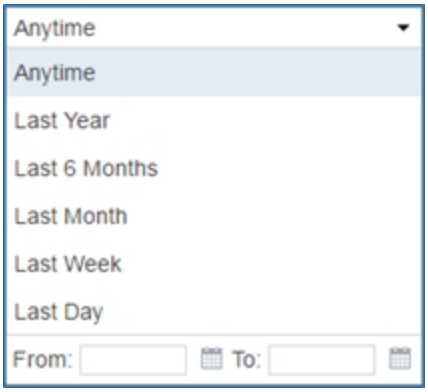

Aromatics Daily Price Trend
Benzene
Benzene
Xylenes (Mixed)
Paraxylene
Styrene
Toluene
Filter Aromatics Daily Price Trend by these chemicals.
Daily World Benzene Price – Nominal Price
Last Update Date - 4/15/2016
Nominal Dollars per Metric Ton
750
500
250
0
2016-02-15
2016-02-22
2016-02-29
2016-03-07
2016-03-14
2016-03-21
2016-03-28
2016-04-04
2016-04-11
Benzene, Spot, Current Month, High, CIF NW Europe / Basis ARA, US$ per Metric Ton
Benzene, Spot, Next Month, High, FOB S. Korea, US$ per Metric Ton
Benzene, Spot, Next Month, High, CIF NW Europe / Basis ARA, US$ per Metric Ton
View data table


Olefins & Polymers Daily Price Trend
Ethylene
Daily World Ethylene Price – Nominal Price
Last Update Date - 4/6/2016
Nominal Dollars per Metric Ton
750
500
250
0
529
Date: 2016-03-01
Ethylene, Spot, Current Month, High, Delivered Pipeline, Other Mont Belvieu, US$ per Metric Ton (converted)
As you hover the mouse, details about a specific point on the chart are displayed.
2016-02-22
2016-02-29
2016-03-07
2016-03-14
2016-03-21
2016-03-28
2016-04-04
2016-04-11
Ethylene, Spot, Current Month, High, Delivered Pipeline, Gulf Coast, US$ per Metric Ton (converted)
Ethylene, Spot, Current Month, High, Delivered Pipeline, Mont Belvieu – Williams, US$ per Metric Ton (converted)
Ethylene, Spot, Current Month, High, Delivered Pipeline, Other Mont Belvieu, US$ per Metric Ton (converted)
Hide data table
Expand and hide the data table.
Export to Excel
2016-02-16 2016-02-17 2016-02-18 2016-02-19 2016-02-22 2016-02-23 2016-02-24 2016-02-25 2016-03-01 2016-03-03 2016-03-04 2016-03-07 2016-03-08
Ethylene, Spot, Current ... 429.90 429.90 435.41 438.16 451.94 468.48 462.97 485.01 529.10 542.88 562.17 567.68 622.80
Ethylene, Spot, Current ... 429.90 429.90 435.41 438.16 451.94 468.48 462.97 462.97 518.08 542.88 553.91 567.68 609.02
Ethylene, Spot, Current ... 429.90 429.90 529.10 562.17 622.80

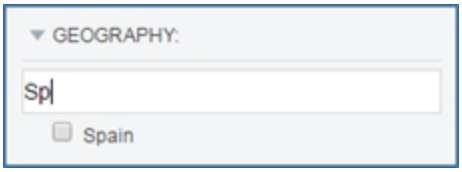
Filter pane

The left Filter pane allows you to refine results by a keyword search, time period, geography, source or chemical product. Down and right-facing arrows expand to give you more options.

The default time period is **Anytime**. Included in the drop-down list are **Last Year**, **Last 6 Months**, **Last Month**, **Last Week**, **Last Day**, and calendar icons for **From** and **To** that allow you to customize a time period.

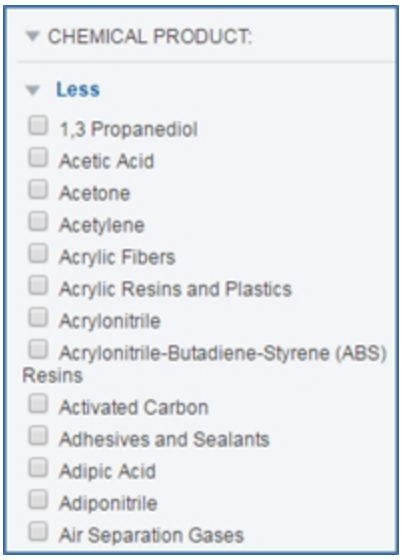


You can type in a geography or select a country by expanding the arrow for a region.

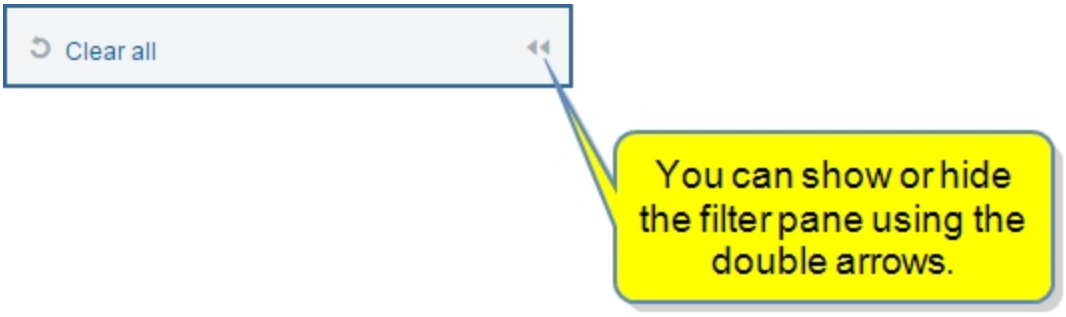


Source for the Chemical filter allows you to filter by Business Daily, Chemical Week, or Market Advisory Service.

Clicking **More** for Chemical Product displays all searchable chemicals.



To refresh the filters by clearing all selections, click **Clear all**.

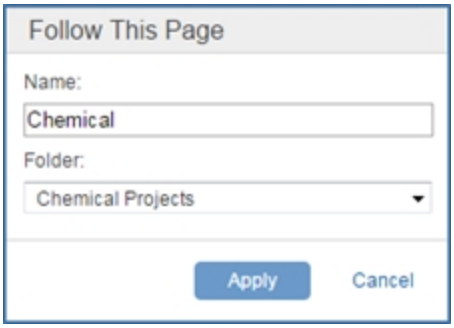


Click the double arrows to show or hide the filter pane.

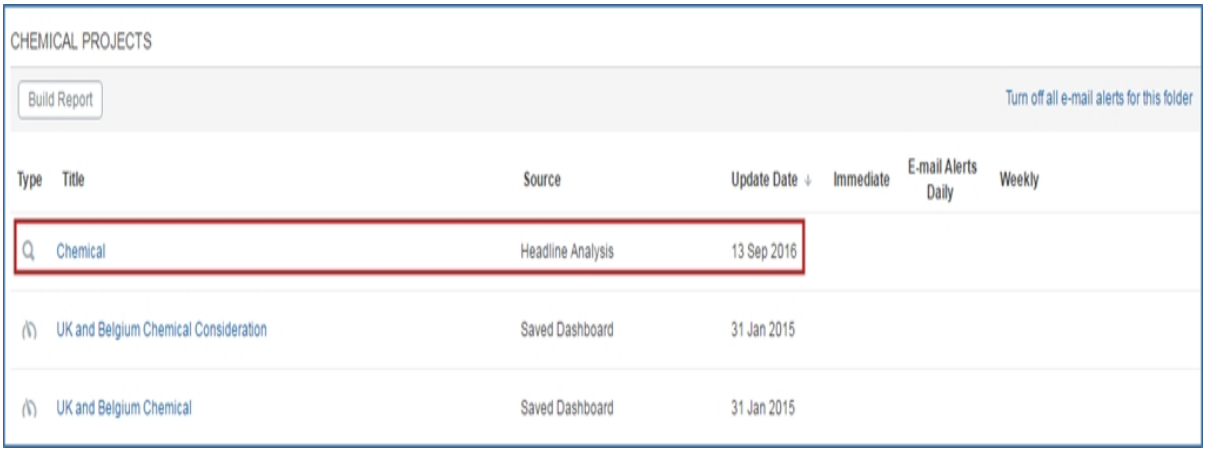
Follow this Headline Analysis

Follow this Headline Analysis appears with a bell icon above the results list.

When you click **Follow this Headline Analysis**, a ***Follow This Page*** dialog box is displayed that allows you to name the Headline Analysis list and save it to a folder on My Connect.



When you click **Apply**, the Chemical Headline Analysis page is saved on My Connect with the Source identified as Headline Analysis.

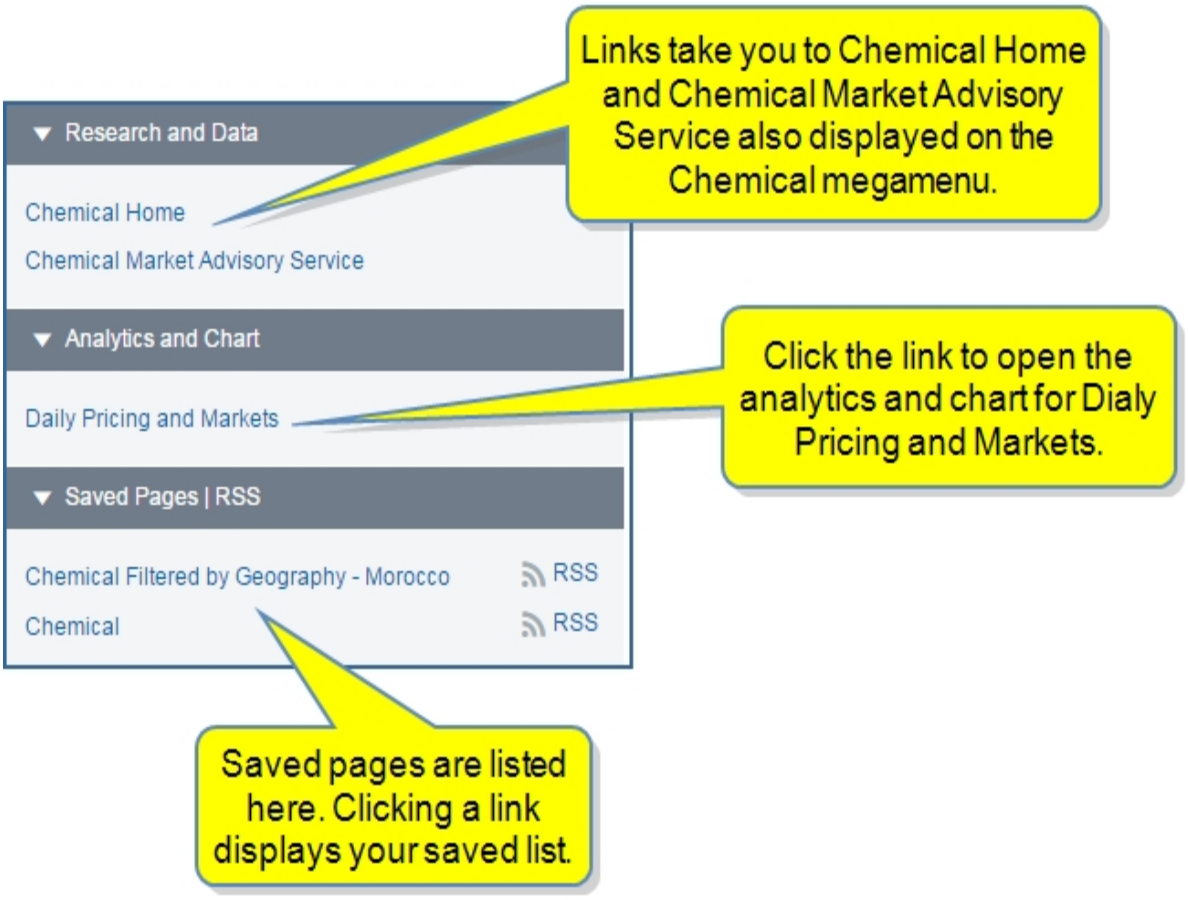


When you click **Chemical** on the My Connect Page, the saved Headline Analysis list is displayed in the Headline Analysis world page.

Note: Any filters you applied to the Headline Analysis list are saved and then selected when you open the saved list.

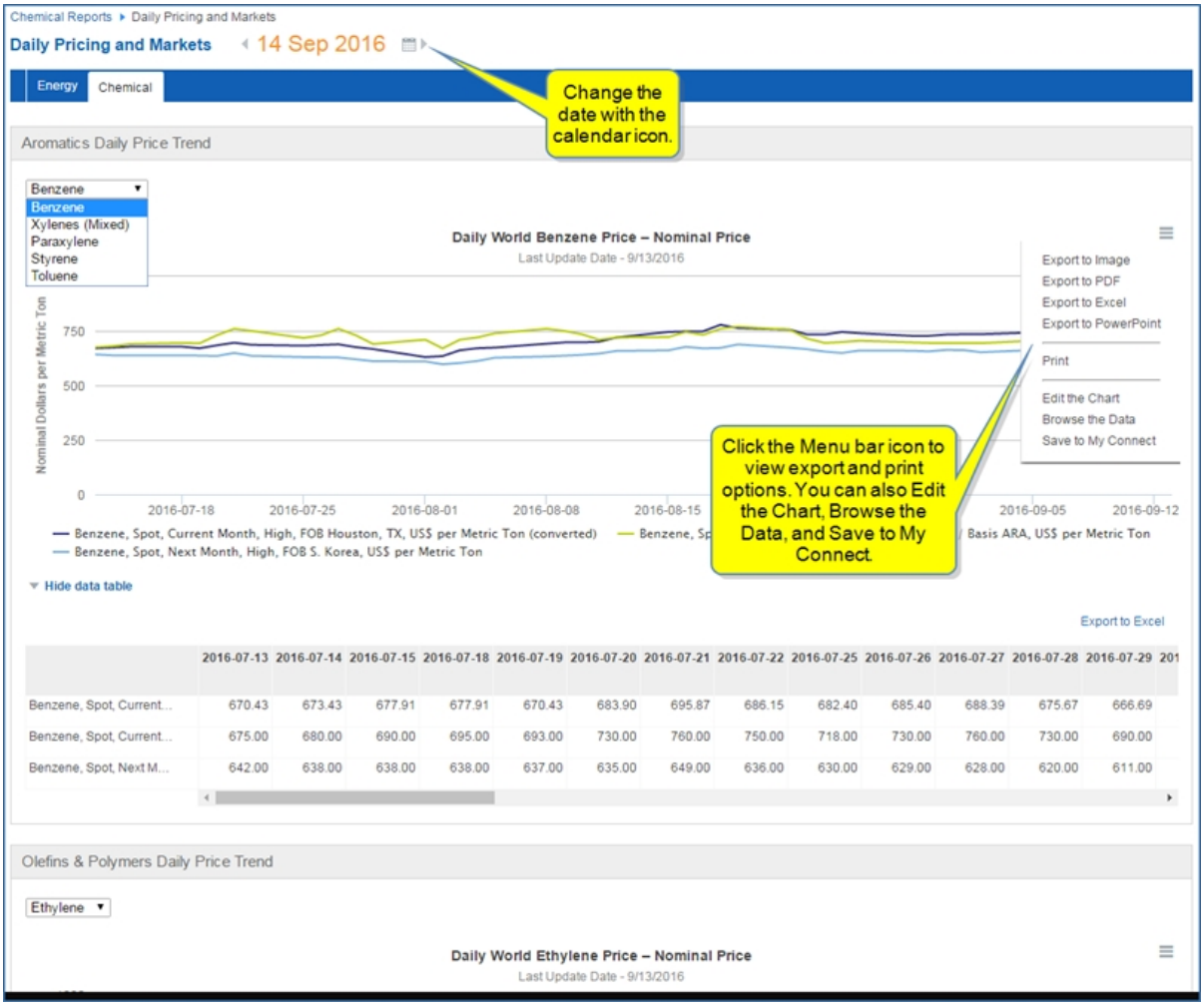
Accordion bars and drawers

The Accordion bars and drawers under the price tables in the right pane display links to related information for Research and Data, Analytics an Chart, and Saved Pages.



Research and Data links take you to other Chemical capability pages also listed on the megamenu.

Daily Pricing and Markets opens the chart and analytics page.

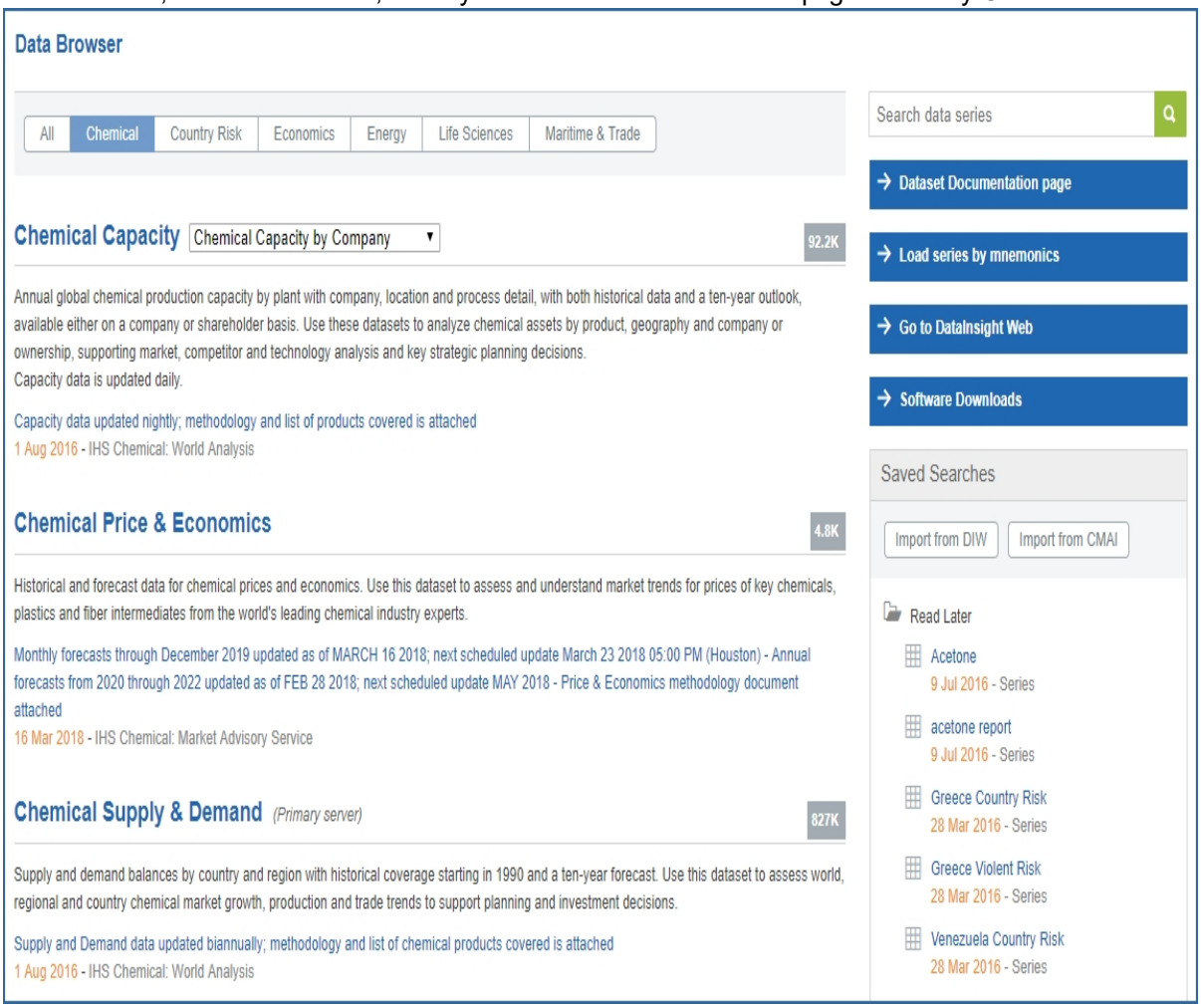


Saved Pages provides the links to saved Headline Analysis pages and the RSS feed.

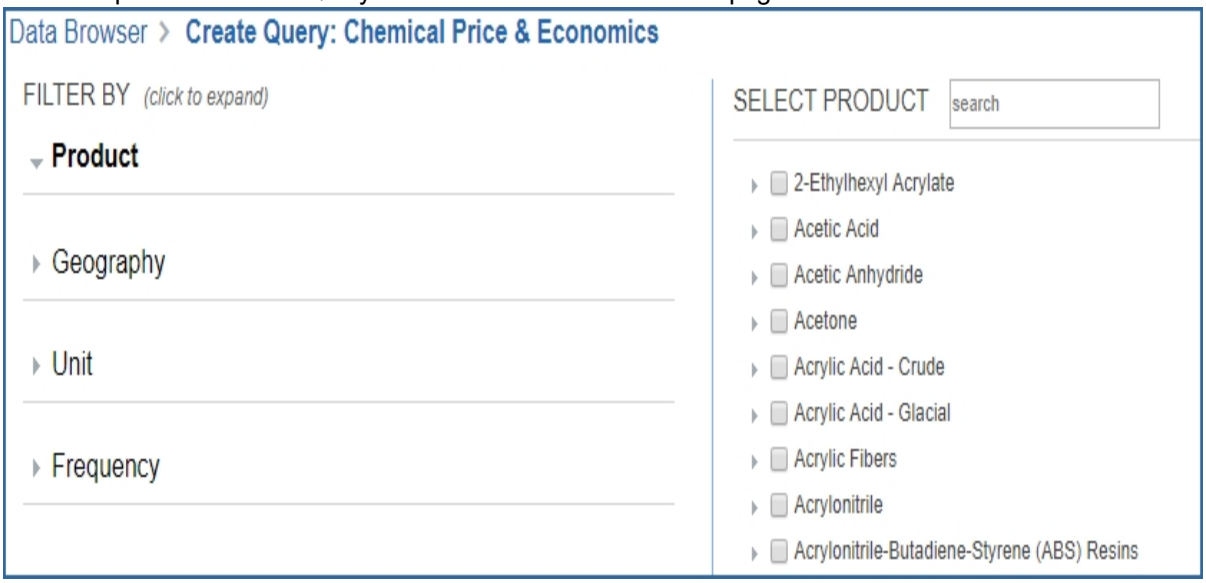
Chemical megamenu tools

Tools bring in additional aids to further research chemicals. Many Tools are in Connect although some links to tools take you to a different platform where you must enter a user name and password.

Data Browser, listed under Tools, takes you to the main Data Browser page filtered by Chemical.



The Chemical sub items take you to the query page for each dataset. For example, **Chemical Price & Economics** opens the Create Query: Chemical Price & Economics page in Data Browser.

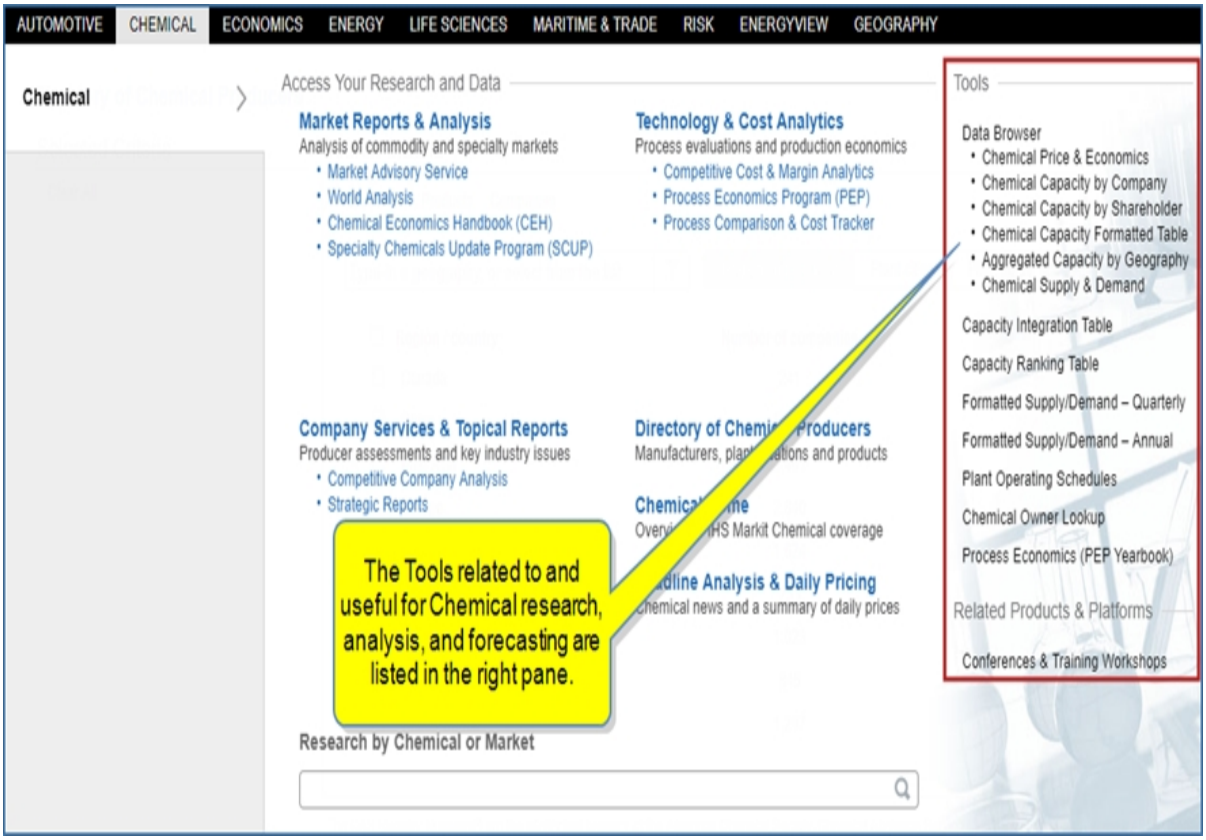


Clicking the links for **Capacity Integration Table**, **Capacity Ranking Table**, **Formatted Supply/Demand - Quarterly**, **Formatted Supply/Demand - Annual**, and **Plant Operating Schedules** take you to those tools.

For more information about Chemical Owner Lookup, review the topic in the Tools chapter of the online help or PDF help.

For more information about Process Economics, review the topic Process Economics Program topic in the Tools chapter of the online help or PDF help.

Review further information about finding and accessing Tools below under Accessing information about tools.



Accessing information about tools

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

Economics

Economics megamenu overview

Economic segment pages cover research and data for Global Economics, Regional Economics, Sector Economics, and Costs and Prices. By navigating through these segments, research and data pages, and associated Tools—Related Products & Platforms, and IHS Events—you can view all valuable information about economics from a single megamenu.

Read more information about the **Data Browser** tool and access links to help topics for **Data Browser** by clicking Economics megamenu overview here.

The left panel of the megamenu displays the Global Economics, Regional Economics, Sector Economics, and Costs and Prices segments. Within the topic links under Access Your Research and Data, you can view content by risk type and region using contextual maps and filtering. The **Research a Country** field at the bottom of the Access Your Research and Data panel for the Global Economics segment takes you to a country profile when you enter and select a country.

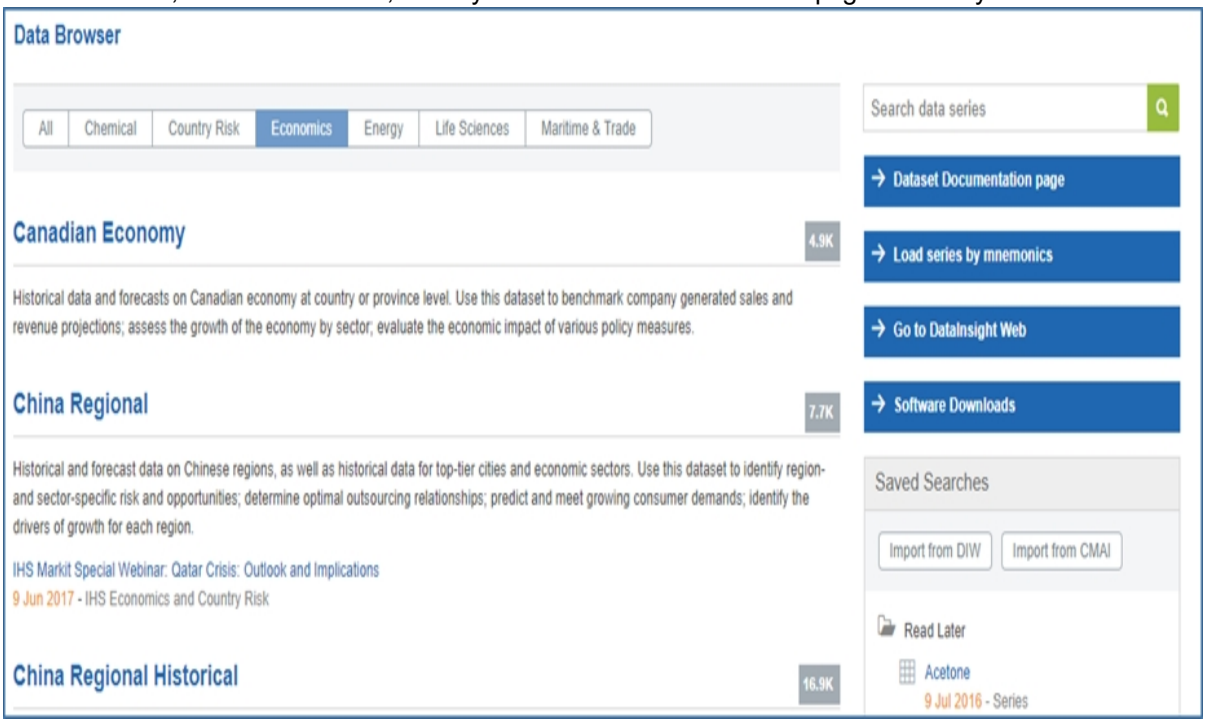
Access economic pages for each segment from the center panel. Content titles are linked to pages that address important perspectives to the economics segment selected. The Tools, Related Products & Platforms, and IHS Events in the right panel take you to analytical and forecasting aids. Note that in some instances, you may need to enter a user name and password to access a platform located outside of Connect.

The following links take you to the economic pages on the megamenu for each segment:

- Global Economics
- Regional Economics
- Sector Economics
- Costs and Prices
- Data Browser

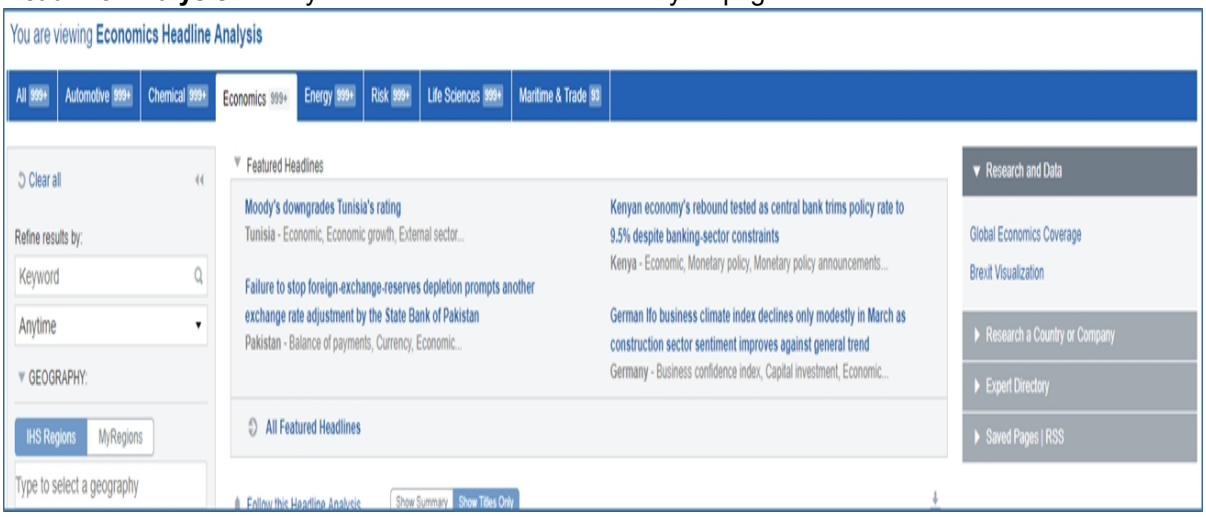
Selecting Economic tools

Data Browser, listed under Tools, takes you to the main Data Browser page filtered by Economics.

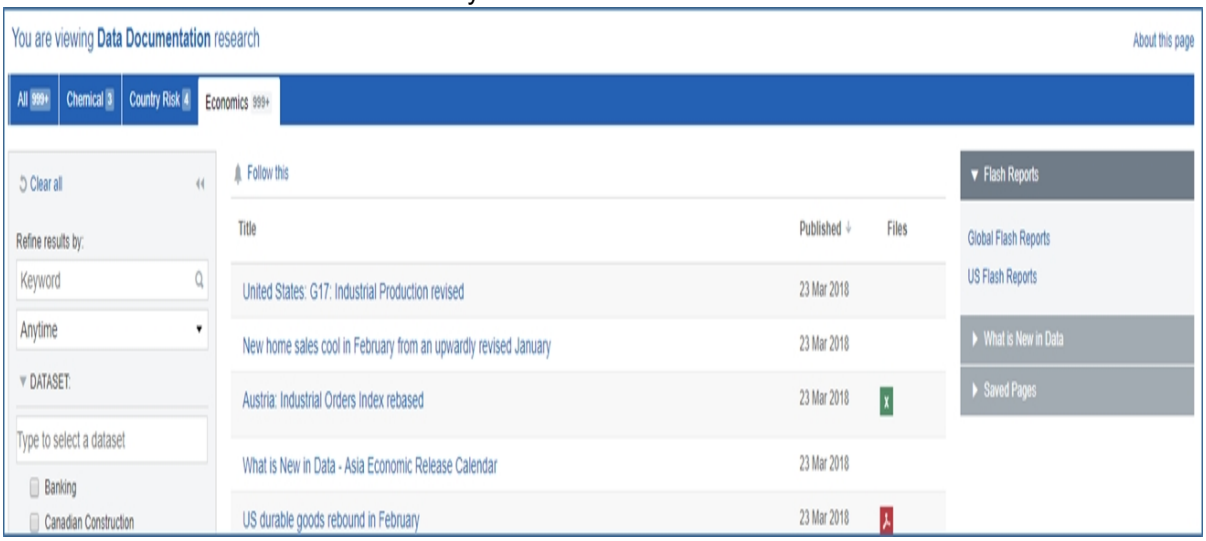


The Economic sub items take you to the query page for each dataset. For example, **Country Risk Ratings** opens the **Create Query: Country Risk Ratings** in Data Browser.

Headline Analysis takes you to the master Headline Analysis page filtered for Economics.



Economic Data Documentation takes you to the Data Documentation research filtered for **Economics**.



For more information about **Cost Analyzer**, click this link to About Cost Analyzer and review the topic in the Tools chapter of the online help or PDF help.

Review further information about finding and accessing Tools below under Accessing information about tools.

Accessing information about tools

Data Browser — The Data Browser tool gives you the ability to select, view, manipulate, and save data series from the datasets to which you have subscribed. You can view the series in a Data Table and in the associated Chart, apply functions to the data, set date ranges, save the queries and the data series, export to Excel as a static file or refreshable file, refresh an Excel document, modify the chart, export the chart, or customize it in the Chart Editor. The tool gives you the ability to review cost and price data. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

For more information about Data Browser, see About Data Browser, Exporting a Static file or Refreshable file, Querying a dataset, and Viewing Data Series in the Data Table and Preview Chart.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

Global Economics

From the Global Economics segment on the Economics megamenu access the following pages. Read more information about the **Data Browser** tool and access links to help topics for **Data Browser** by clicking Global Economics here.

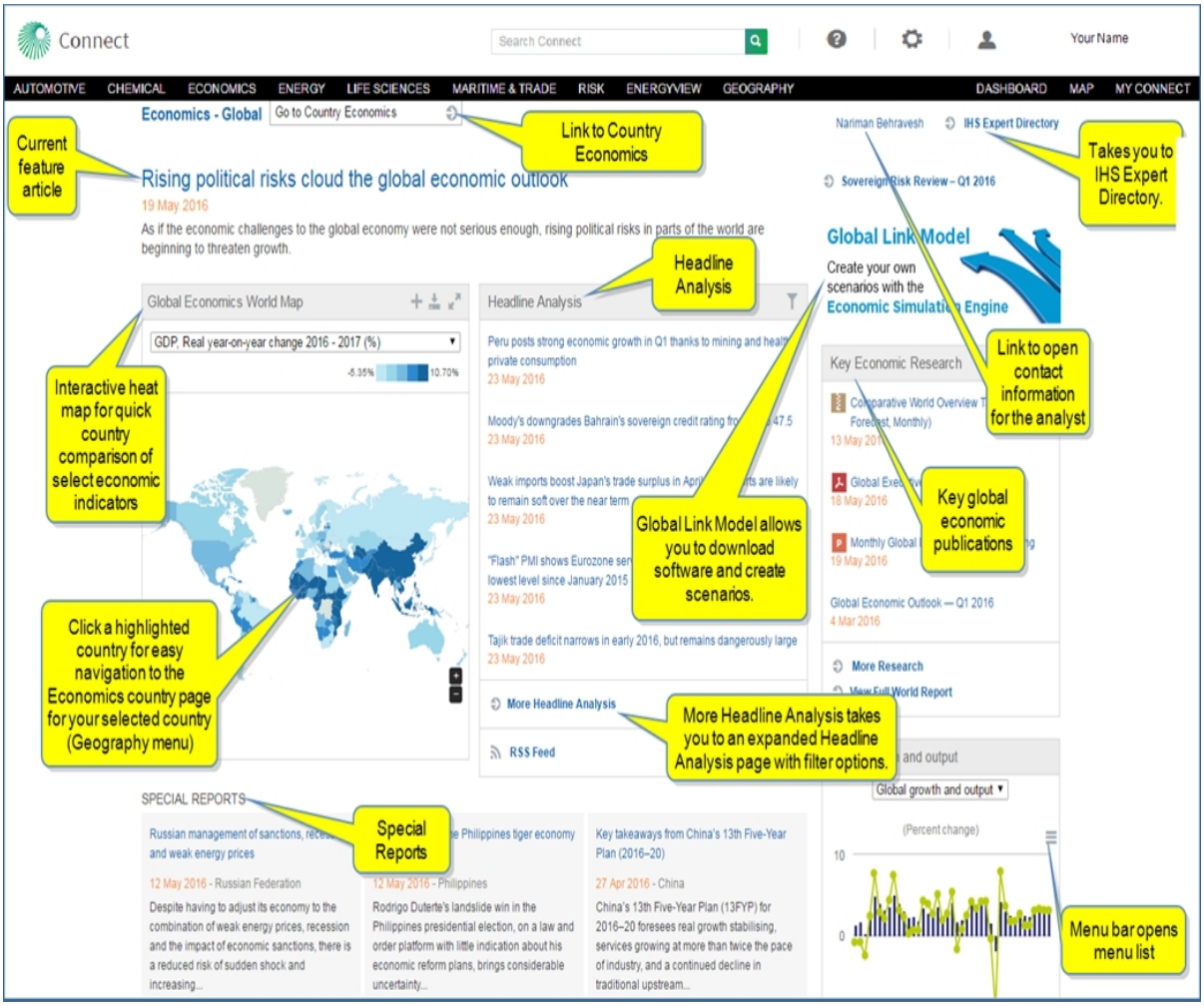
- Global Coverage
- Headline Analysis
- Global Consumer Markets
- Data Browser - Global Economy
- Global Construction
- PMI Reports
- PMI Global Coverage
- Research a Country
- Tools
- Related Products & Platforms
- IHS Events

Global Coverage

Information for Global Coverage renders the Economics - Global page. This page provides access to the latest forecasts and analysis for the world economy.

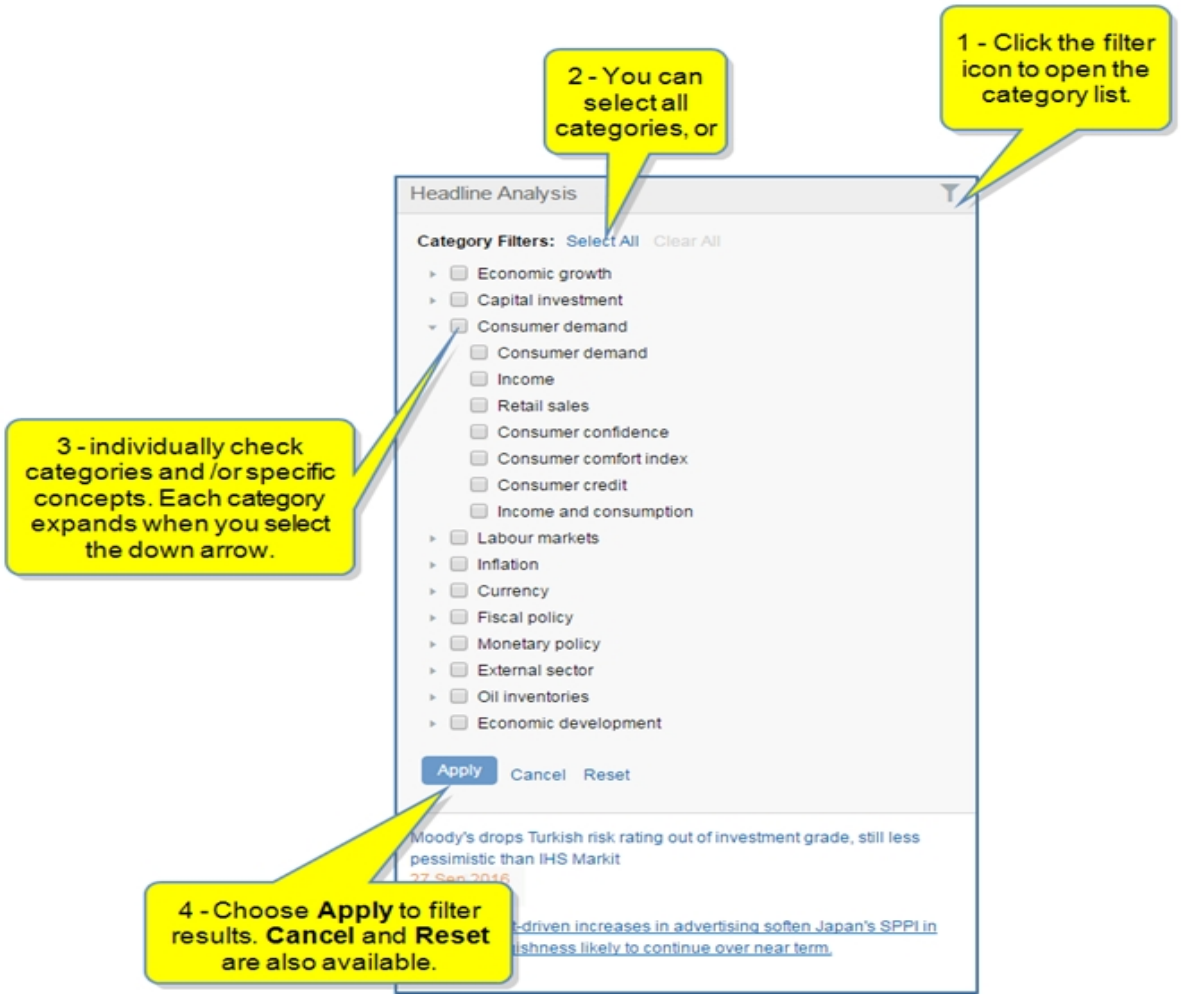
The Economics Global page displays an interactive map and modules for the following content areas:

- Featured Headline
- Global Economics World Map
- Headline Analysis
- Key Economic Research
- Special Reports
- Global growth and output
- Service Bulletins
- IHS Events
- Country Ranking
- Methodology & Glossary



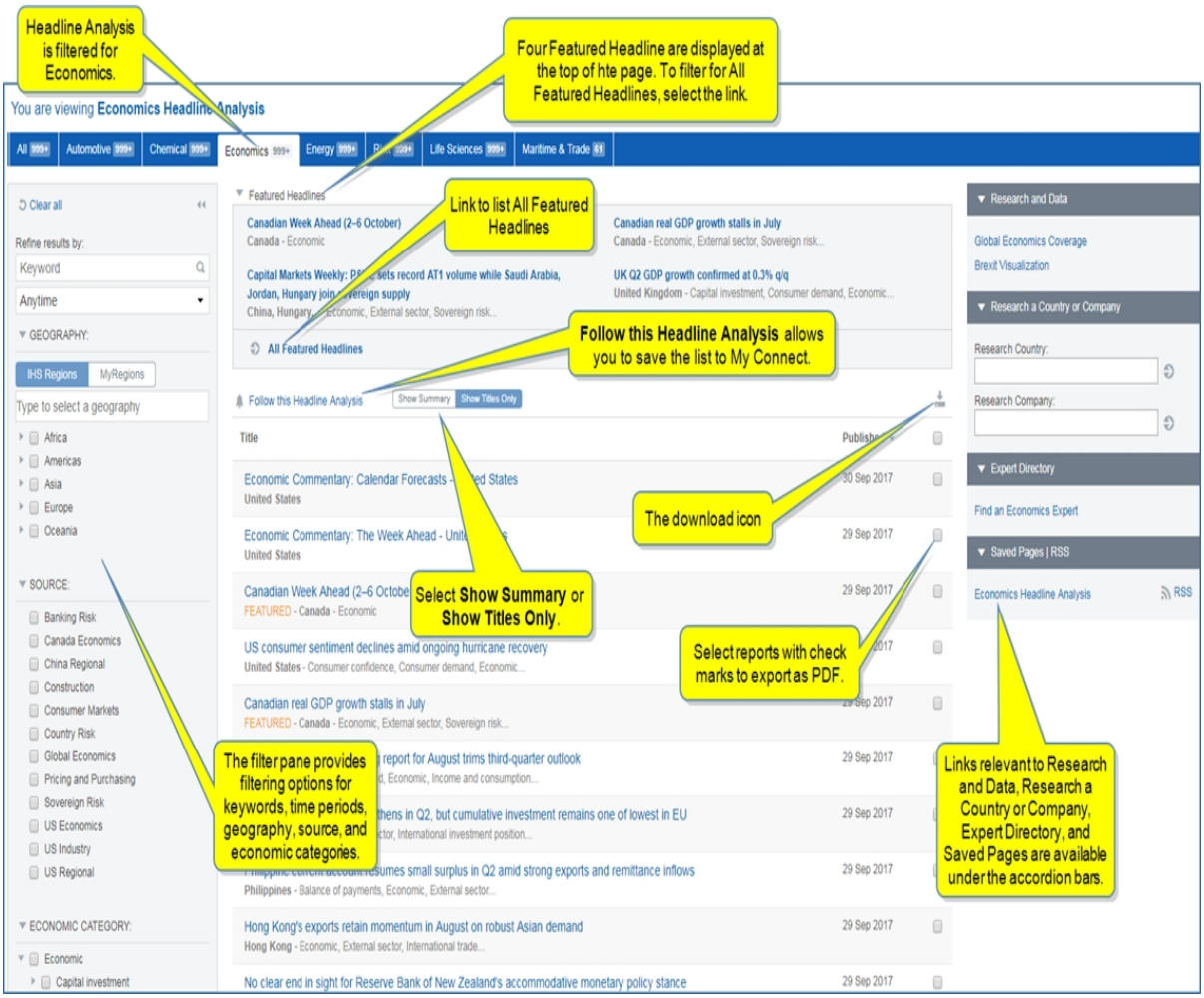
Headline Analysis

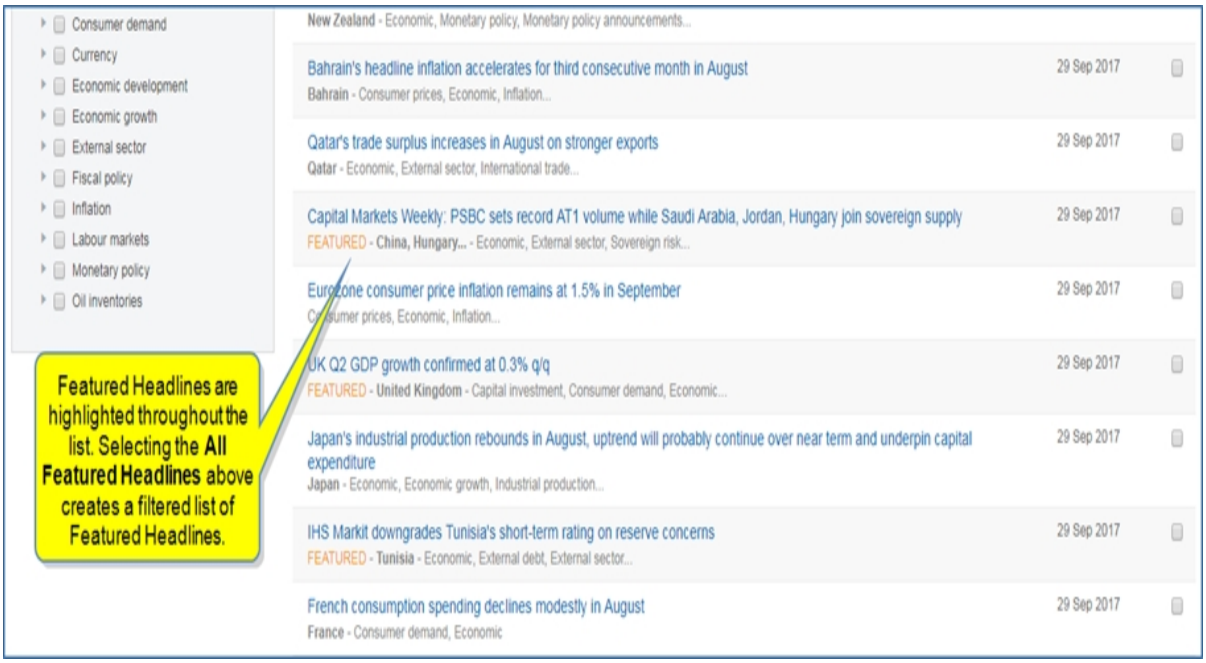
Headline Analysis provides daily data release commentary and analysis of economic developments, which you can filter by risk category.



When you select the

link, IHS Connect opens the full Headline Analysis page filtered for Economics.

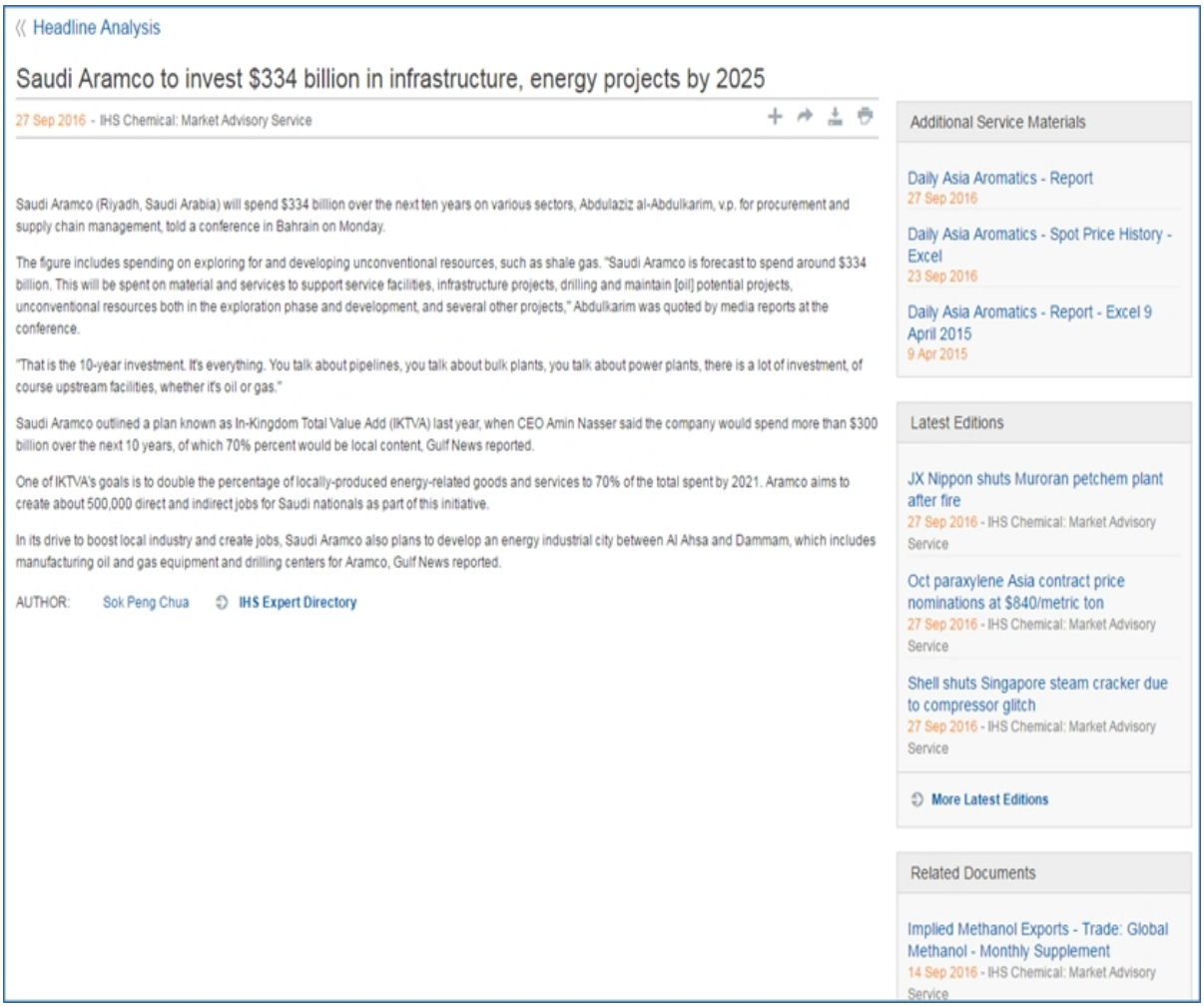

Headline Analysis is filtered for Economics.
Four Featured Headline are displayed at the top of hte page. To filter for All Featured Headlines, select the link.
You are viewing Economics Headline Analysis
Link to list All Featured Headlines
Follow this Headline Analysis allows you to save the list to My Connect.
The download icon
Select Show Summary or Show Titles Only.
Select reports with check marks to export as PDF.
The filter pane provides filtering options for keywords, time periods, geography, source, and economic categories.
Links relevant to Research and Data, Research a Country or Company, Expert Directory, and Saved Pages are available under the accordion bars.


Featured Headlines are highlighted throughout the list. Selecting the All Featured Headlines above creates a filtered list of Featured Headlines.

The **Download** icon allows you to customize a download of articles by selecting all articles or unselecting all articles. When all articles are unselected, you can choose particular articles with a check mark. When you are satisfied with your selections, click the **Download** icon to create a PDF document.

Hover the title to view the abstract and display icons for savings to My Connect, or sharing the article.

Click the title of a report to open the full report.



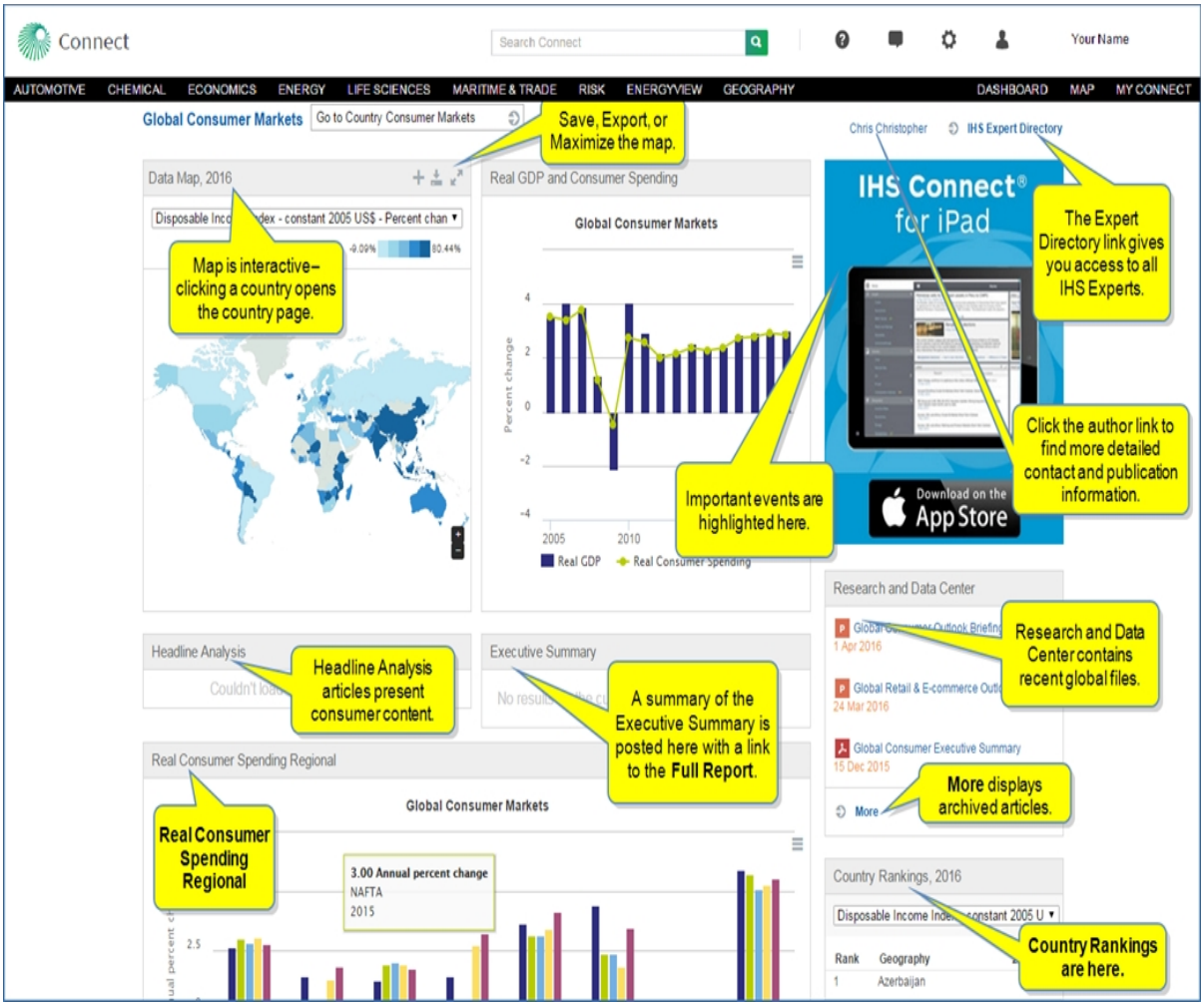
Global Consumer Markets

Global Consumer Markets highlights consumer spending, demographic trends, socioeconomic patterns, average income, and other relevant consumer indices for existing consumers across 104 countries. The global

information is presented visually through an interactive map as well as through Headline Analysis, Executive Summary, and pertinent documents in the Research and Data Center module.

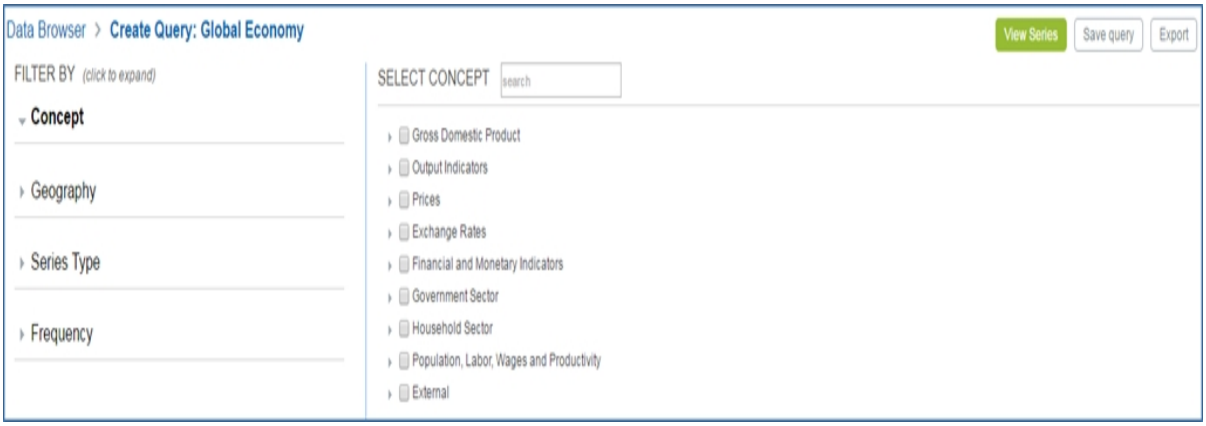
The Global Consumer Markets page displays an interactive map and modules for the following content areas:

- Data Map
- Real GDP and Consumer Spending
- Headline Analysis
- Executive Summary
- Research and Data Center
- Real Consumer Spending Regional
- Country Rankings
- Methodology & Glossary
- IHS Events
- Service Bulletins



Data Browser - Global Economy

Clicking Data Browser - Global Economy opens the query page of Data Browser for Global Economy.



For more information about Data Browser, see About Data Browser, Querying a dataset, and Viewing Data Series in the Data Table and Preview Chart.

Global Construction

Global Construction provides detailed analysis and forecasts of construction spending trends across 74 countries. The trends include residential, commercial, and infrastructure construction.

The Global Construction page displays an interactive map, charts, and research modules for the following content areas:

- Global Overview Report
- Data Map
- Opportunity vs Risk Tool
- Research and Data Center
- Total Construction by Category
- Headline Analysis
- Construction Ranking
- Special Reports
- Methodology & Glossary
- IHS Events
- Service Bulletins

Modules on the Global Construction page

The modules on the Global Construction page include Global Overview Report, Data Map, Opportunity vs Risk Tool, Research and Data Center, Total Construction by Category, Headline Analysis, Construction Ranking Special Reports, Methodology & Glossary, IHS Events, Construction Spending, US dollar billions, and Service Bulletins.

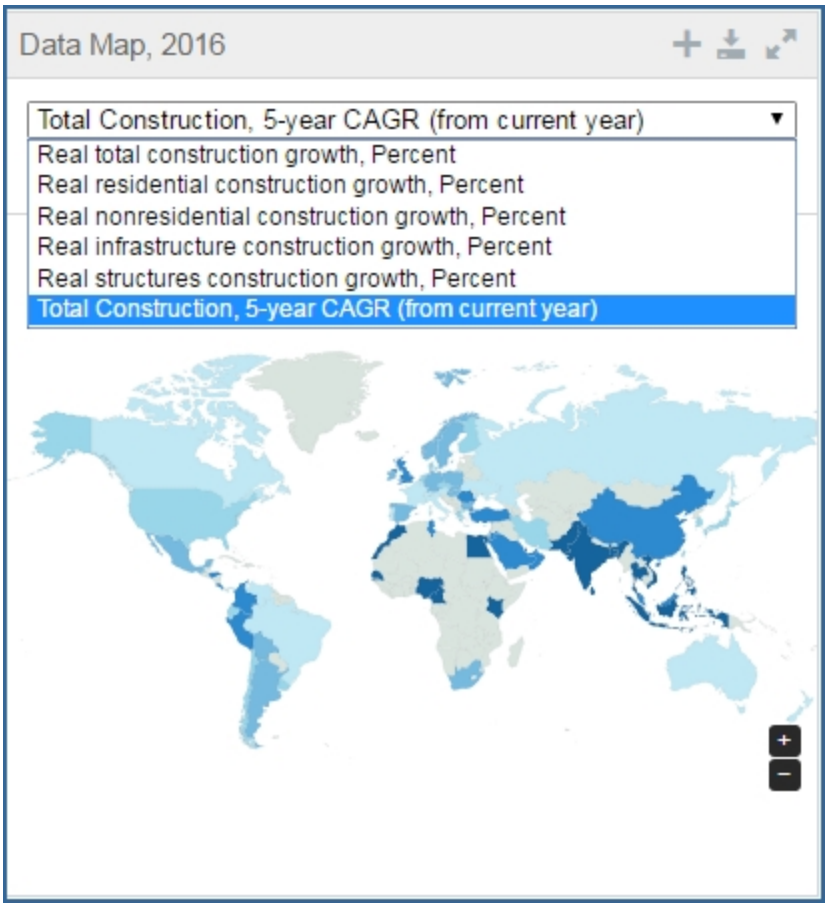
Global Overview Report

When available, Global Overview Report, provides a summary overview of construction events and trends in the industry.

Data Map

The Data Map provides information based on concepts you select from the drop-down menu. Hover a country to see percentage data. Zoom in and out of the map using the plus and minus signs. Click a country on the map to go to the country profile. Save, export, or maximize the map using the corresponding icons.

Save, export or maximize the map.
Data Map, 2016
Total Construction, 5-year CAGR (from current year)
Concept drop-down list
9.65%
Canada: 1.18%
Zoom in and out of the map.
Hover a country for percentage data.
Click map for Country Profile
Click a country on the map to open the Country Profile.


Data Map, 2016
Total Construction, 5-year CAGR (from current year)
Real total construction growth, Percent
Real residential construction growth, Percent
Real nonresidential construction growth, Percent
Real infrastructure construction growth, Percent
Real structures construction growth, Percent
Total Construction, 5-year CAGR (from current year)

Concepts available on the drop-down list include the following:

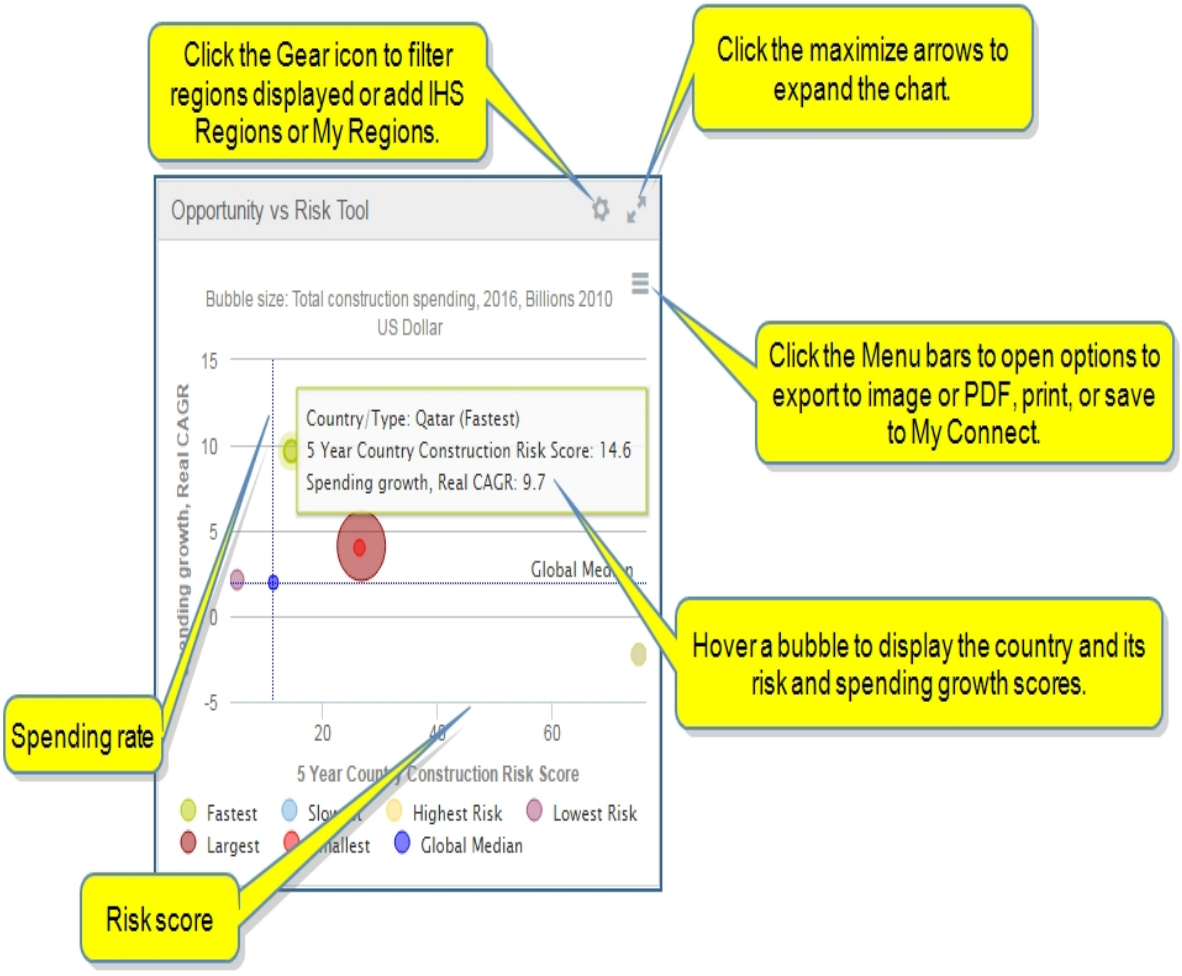
- Real total construction growth, Percent
- Real residential construction growth, Percent
- Real nonresidential construction growth, Percent
- Real infrastructure construction growth, Percent
- Real structures construction growth, Percent
- Total Construction, 5-year CAGR (from current year)

Opportunity vs Risk Tool

The calculations inherent in the Opportunity vs Risk Tool build global country risk scores that are specifically relevant to the construction industry.

The growth rate is registered on the vertical line of the chart. The risk rate is registered on the horizontal line. The larger the bubble, the greater the total construction spending.

The legend indicates standard bubble placements for countries on the graph regarding growth rate and country risk over a 5-year forecast. Hover over a bubble to view the country, risk score, and spending growth. Using IHS Regions or My Regions, you can add counties to the chart to obtain growth and risk scores.



When you select the Gear icon, the filter options are displayed. You can select IHS Regions, specific countries in a region, or countries and regions from your customized list in **My Regions**. You can also create a new region in the ***Set My Regions*** dialog box by clicking the Gear icon next to My Regions.

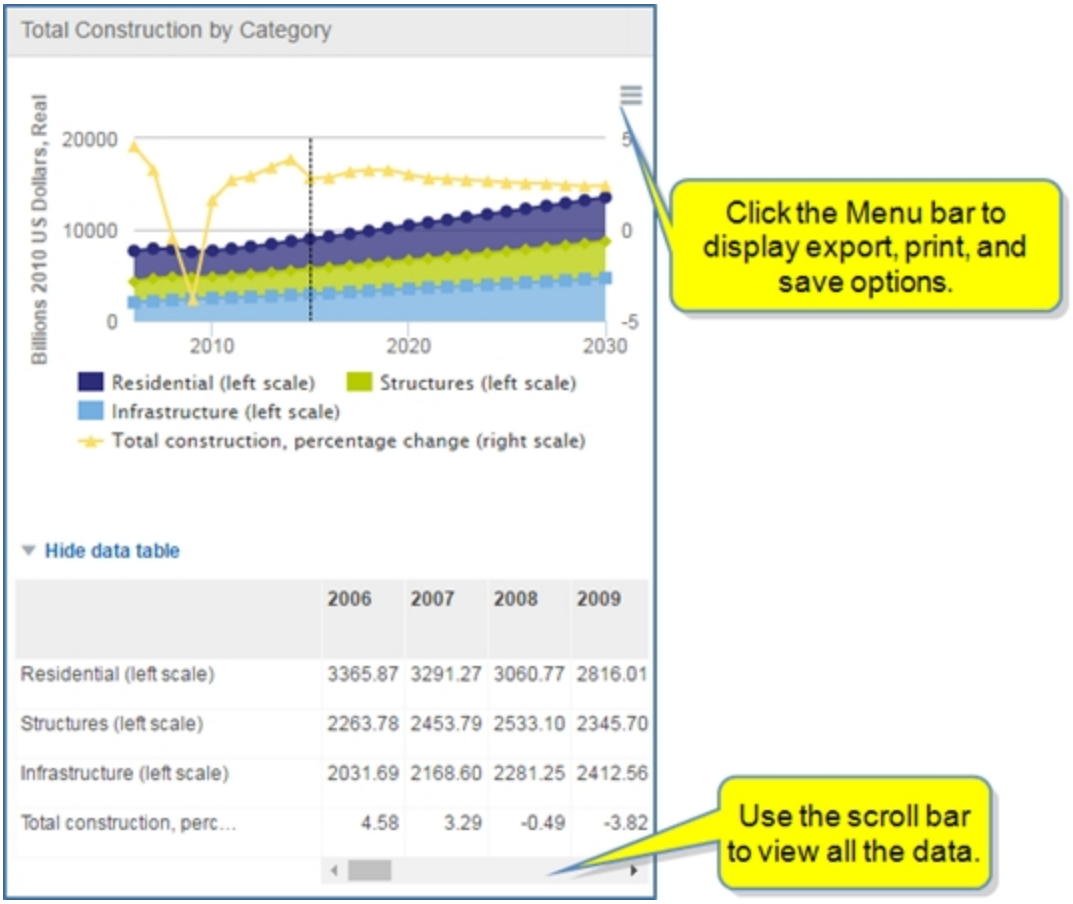
In the following example, Africa and Europe are selected from Regions, and the chart is maximized. More bubbles are on the chart, and Russia is selected with a hover showing a risk score of 56.3 and spending growth rate of 0.3.

Research and Data Center

The Research and Data Center contains standard documents and tables focused on construction.

Total Construction by Category

This chart displayed construction broken down into the categories of residential, structures, and infrastructure contrasted to total construction. Options for export, print, and save are displayed when you select the Menus bar. You also have the option of viewing or hiding the data table.

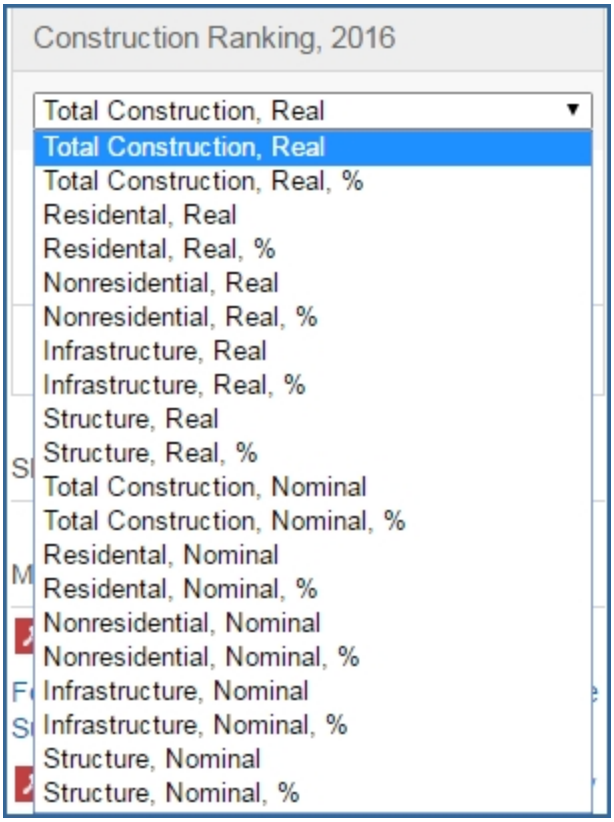


Headline Analysis

Headline Analysis and **More Headline Analysis on Construction** display recent research articles focused on construction.

Construction Ranking

Select a concept from the drop-down list to focus results on construction ranking.



Special Reports

Special Reports highlights construction research and trends.

Methodology & Glossary

Methodology and Glossary provides links to documentation that supports the research for Global Construction.

IHS Events

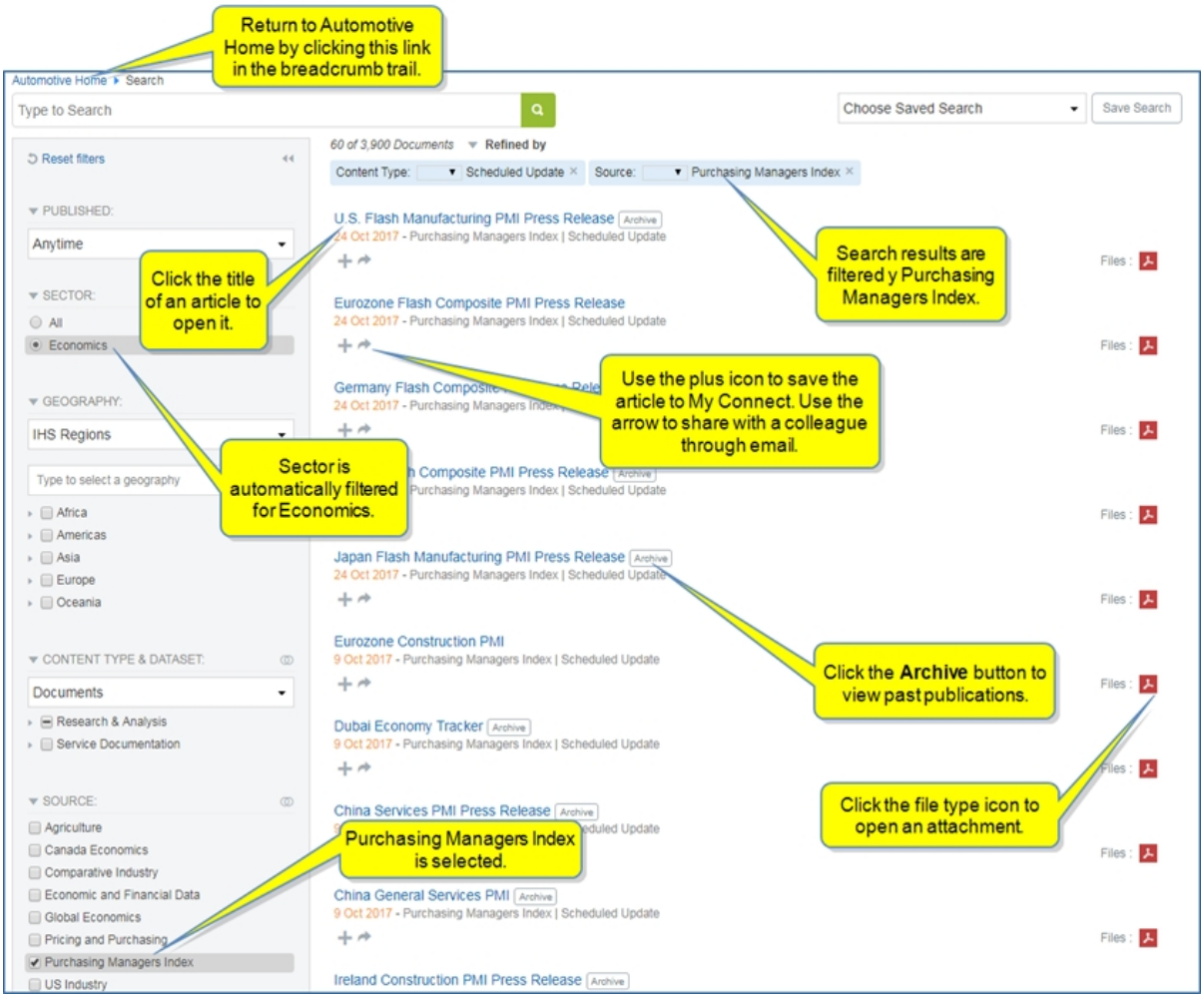
Upcoming IHS events are posted here.

Service Bulletins

Service Bulletins alert you to actions or events that affect the construction industry.

PMI Reports

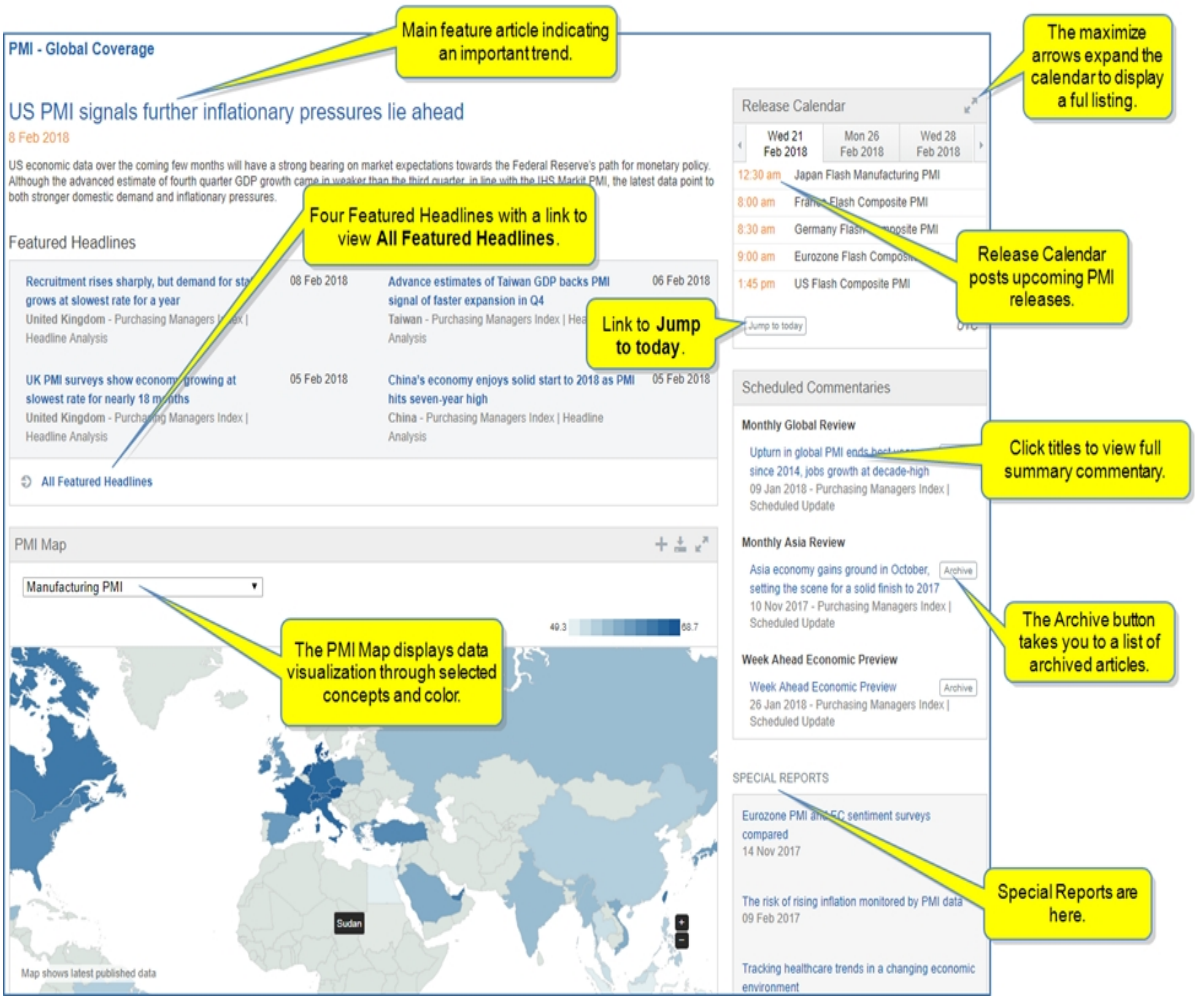
PMI Reports is collection of premium Purchasing Managers Index commentaries. When you select PMI Reports from the megamenu, the search page opens filtered for Purchasing Managers Index.



PMI Global Coverage

The Purchasing Managers Index (PMI) product gives Global Coverage about the latest PMI Surveys. Data commentary, press releases, pdf reports, and raw data through the Data Browser tool are available in Connect on this page.

Components on the page include a prominent feature headline indicating trends, four additional featured headlines with a link to All Featured Headlines, a Release Calendar showing future PMI Survey releases, data visualization through the PMI Map, an interactive geo heatmap and trend line chart, Scheduled Commentaries, Special Reports, Latest PMI Releases, interactive trend charts, events notification, service bulletins, and methodology.

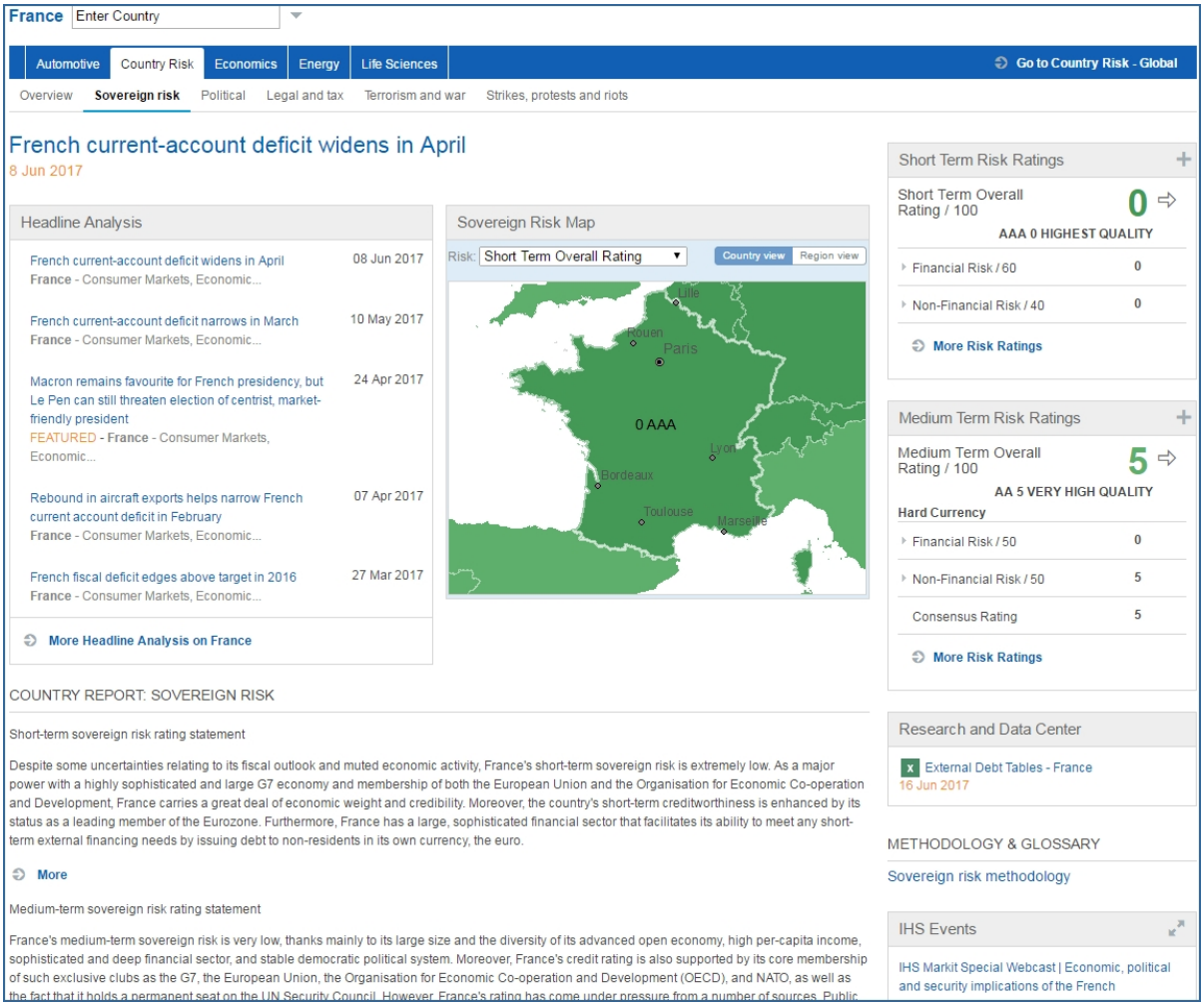

Main feature article indicating an important trend.
The maximize arrows expand the calendar to display a ful listing.
PMI - Global Coverage
US PMI signals further inflationary pressures lie ahead
8 Feb 2018
US economic data over the coming few months will have a strong bearing on market expectations towards the Federal Reserve's path for monetary policy. Although the advanced estimate of fourth quarter GDP growth came in weaker than the third quarter, in line with the IHS Markit PMI, the latest data point to both stronger domestic demand and inflationary pressures.
Four Featured Headlines with a link to view All Featured Headlines.
Featured Headlines
Recruitment rises sharply, but demand for staff grows at slowest rate for a year
08 Feb 2018
United Kingdom - Purchasing Managers Index | Headline Analysis
Advance estimates of Taiwan GDP backs PMI signal of faster expansion in Q4
06 Feb 2018
Taiwan - Purchasing Managers Index | Headline Analysis
UK PMI surveys show economy growing at slowest rate for nearly 18 months
05 Feb 2018
United Kingdom - Purchasing Managers Index | Headline Analysis
China's economy enjoys solid start to 2018 as PMI hits seven-year high
05 Feb 2018
China - Purchasing Managers Index | Headline Analysis
All Featured Headlines
Release Calendar
Wed 21 Feb 2018
Mon 26 Feb 2018
Wed 28 Feb 2018
12:30 am Japan Flash Manufacturing PMI
8:00 am France Flash Composite PMI
8:30 am Germany Flash Composite PMI
9:00 am Eurozone Flash Composite PMI
1:45 pm US Flash Composite PMI
Release Calendar posts upcoming PMI releases.
Link to Jump to today.
Jump to today
Scheduled Commentaries
Monthly Global Review
Upturn in global PMI ends best year since 2014, jobs growth at decade-high
09 Jan 2018 - Purchasing Managers Index | Scheduled Update
Click titles to view full summary commentary.
Monthly Asia Review
Asia economy gains ground in October, setting the scene for a solid finish to 2017
Archive
10 Nov 2017 - Purchasing Managers Index | Scheduled Update
The Archive button takes you to a list of archived articles.
Week Ahead Economic Preview
Week Ahead Economic Preview
Archive
26 Jan 2018 - Purchasing Managers Index | Scheduled Update
PMI Map
Manufacturing PMI
The PMI Map displays data visualization through selected concepts and color.
49.3
55.7
Sudan
Map shows latest published data
SPECIAL REPORTS
Eurozone PMI and EC sentiment surveys compared
14 Nov 2017
The risk of rising inflation monitored by PMI data
09 Feb 2017
Tracking healthcare trends in a changing economic environment
Special Reports are here.

Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



Tools

Linked tools are available in the right pane of Global Economics megamenu.

Selecting **Data Browser** under Tools on the megamenu opens the main **Data Browser** tool. Selecting **Country Risk Ratings**, **Global Consumer Markets**, **Global Construction**, **Global Economy**, **World Market Monitor**, or **PMI by IHS Markit** takes you to the query page for these datasets in Data Browser.

The **Data Browser** tool gives you the ability to select, view, manipulate, and save data series from the datasets to which you have subscribed. You can view the series in a Data Table and in the associated Chart, apply functions to the data, set date ranges, save the queries and the data series, export to Excel as a static file or refreshable file, refresh an Excel document, modify the chart, export the chart, or customize it in the Chart Editor. The tool gives you the ability to review cost and price data. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

For more information about Data Browser, see About Data Browser, Exporting a Static file or Refreshable file, Querying a dataset, and Viewing Data Series in the Data Table and Preview Chart.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

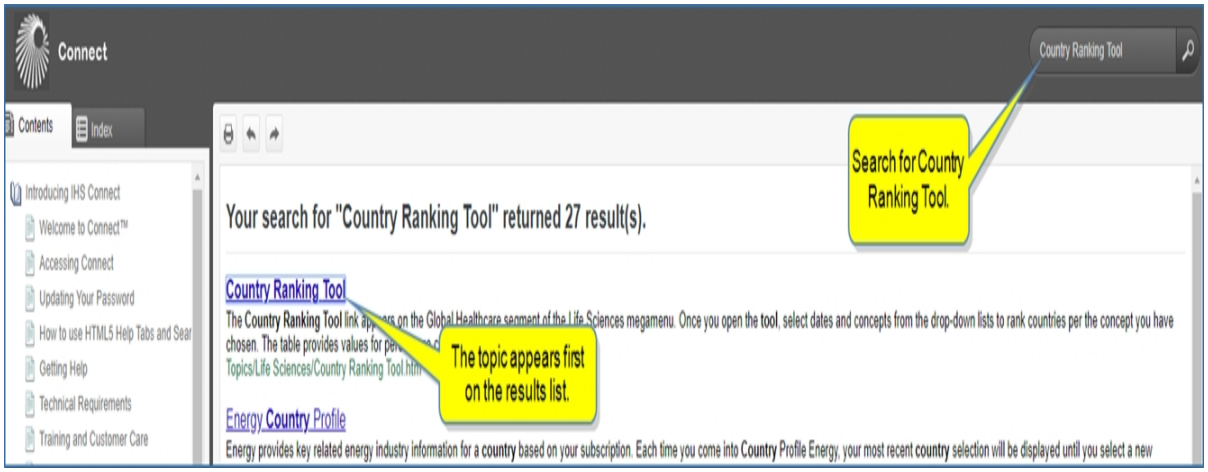
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

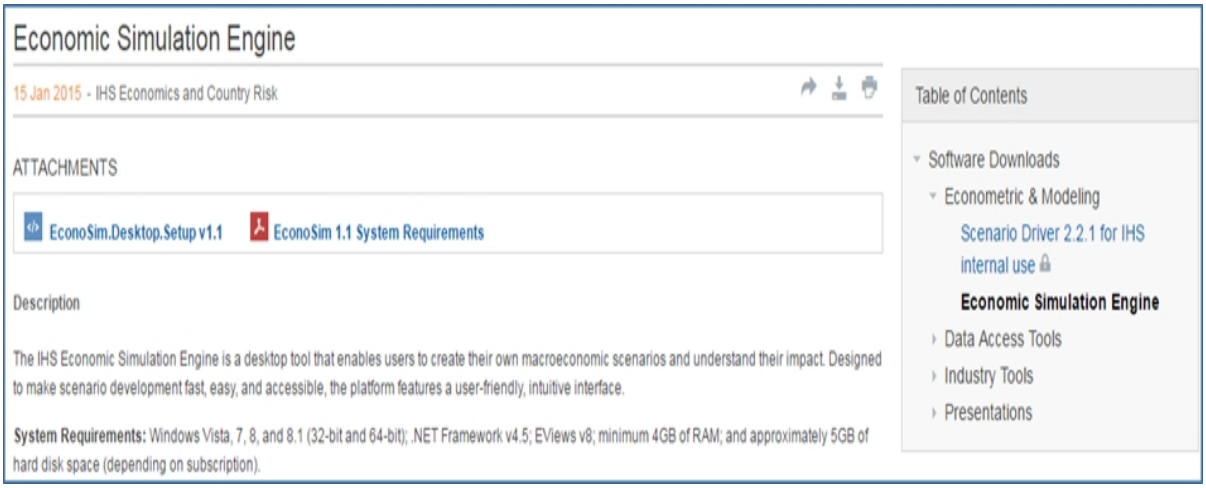
You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



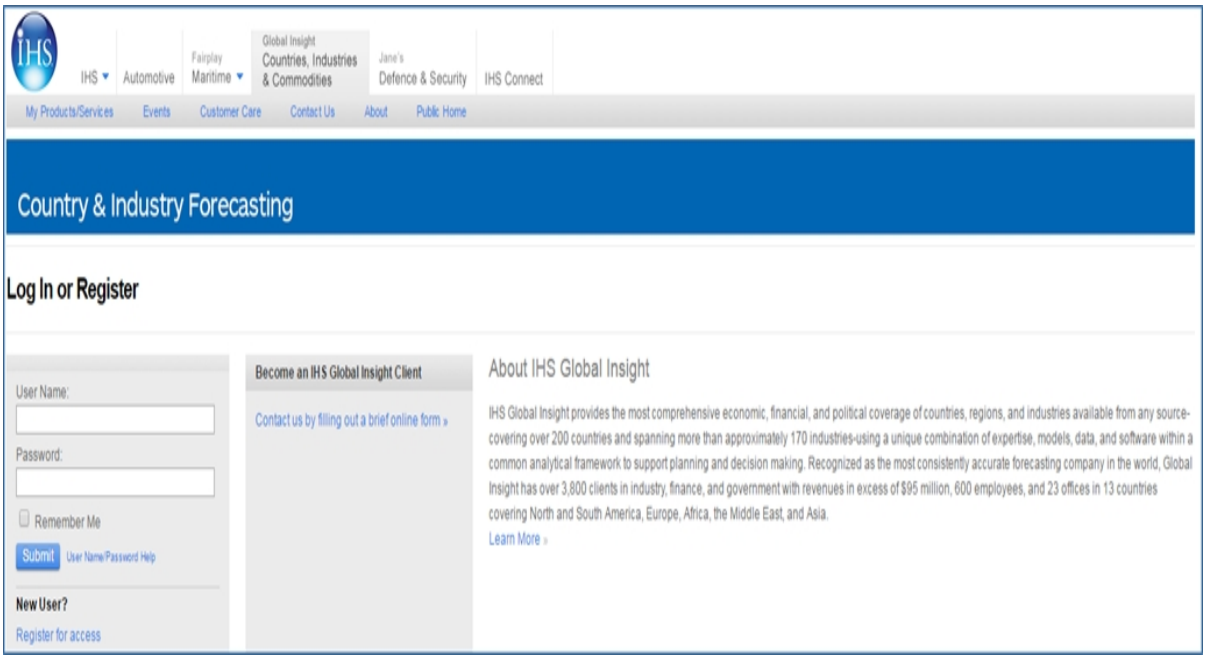
Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of IHS Connect.

Global Link Model is an application you can download for Econometric & Modeling



Data Insight Web takes you to a Global Insight tool for Country & Industry Forecasting. You need a User Name and Password for this application.



Country Risk takes you to the Country Risk - Global page.

Comparative Industry takes you to the Comparative Industry page.

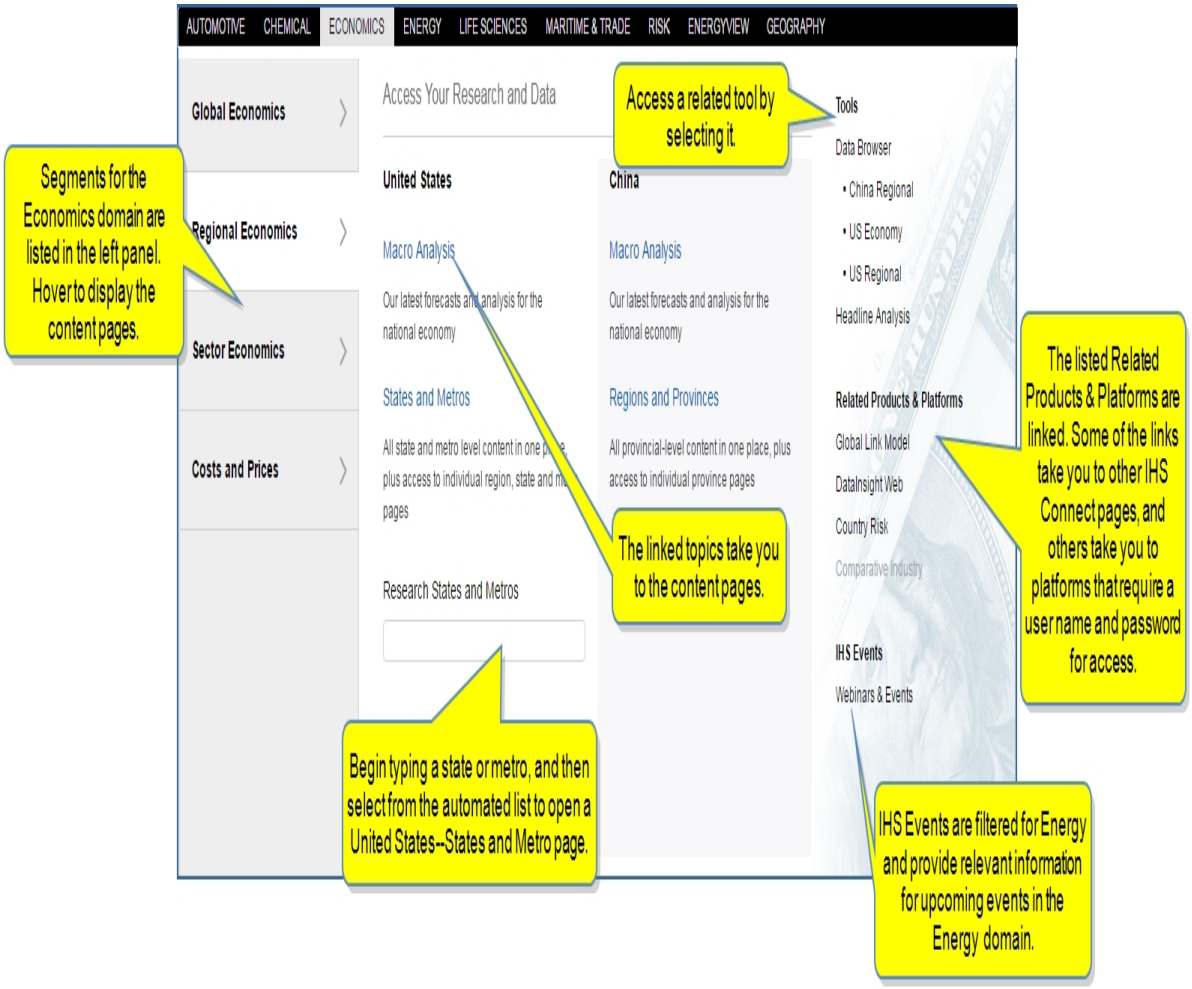
IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to Global Economics.

Regional Economics

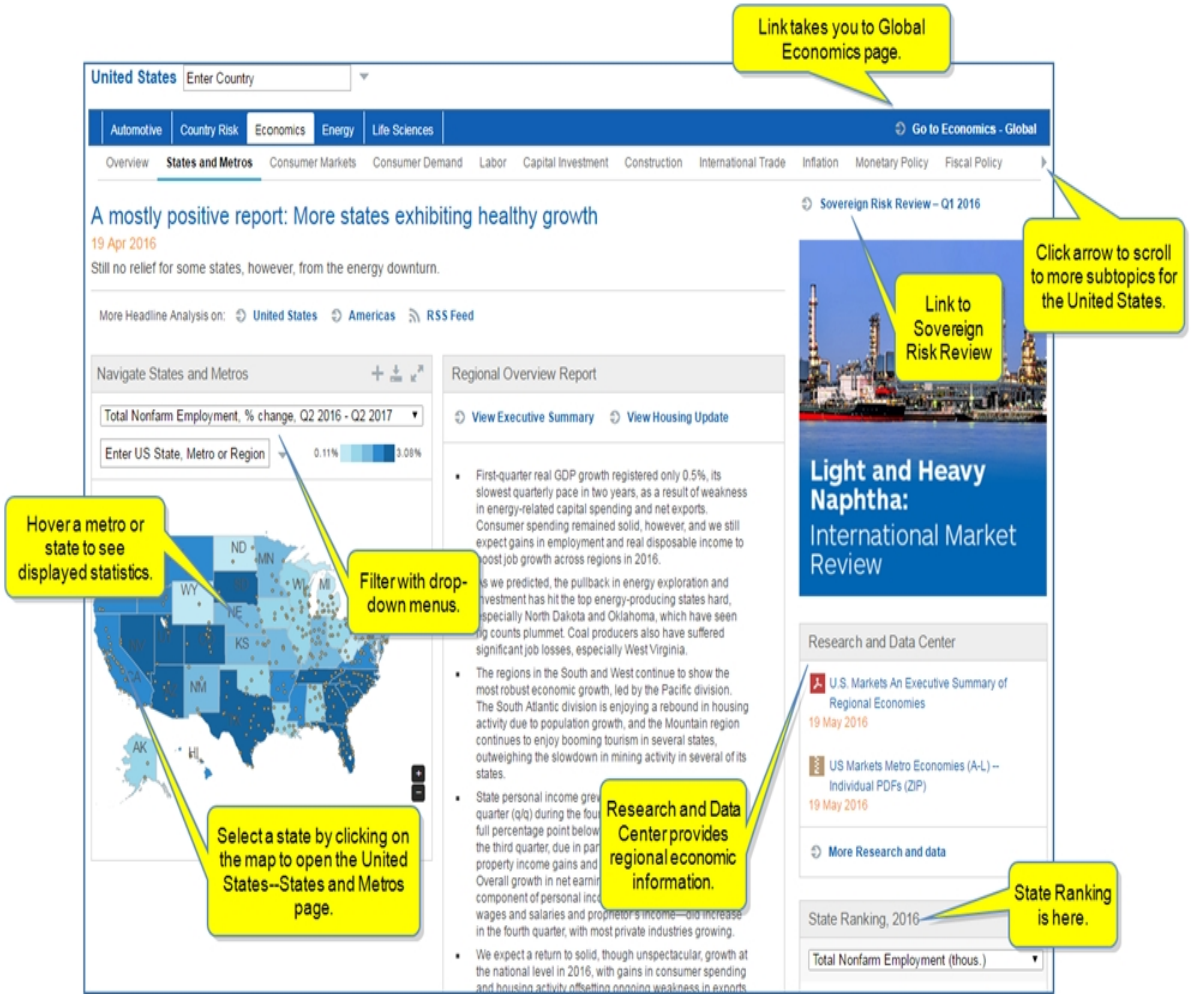
From the Regional Economics segment on the Economics megamenu access the following content pages:

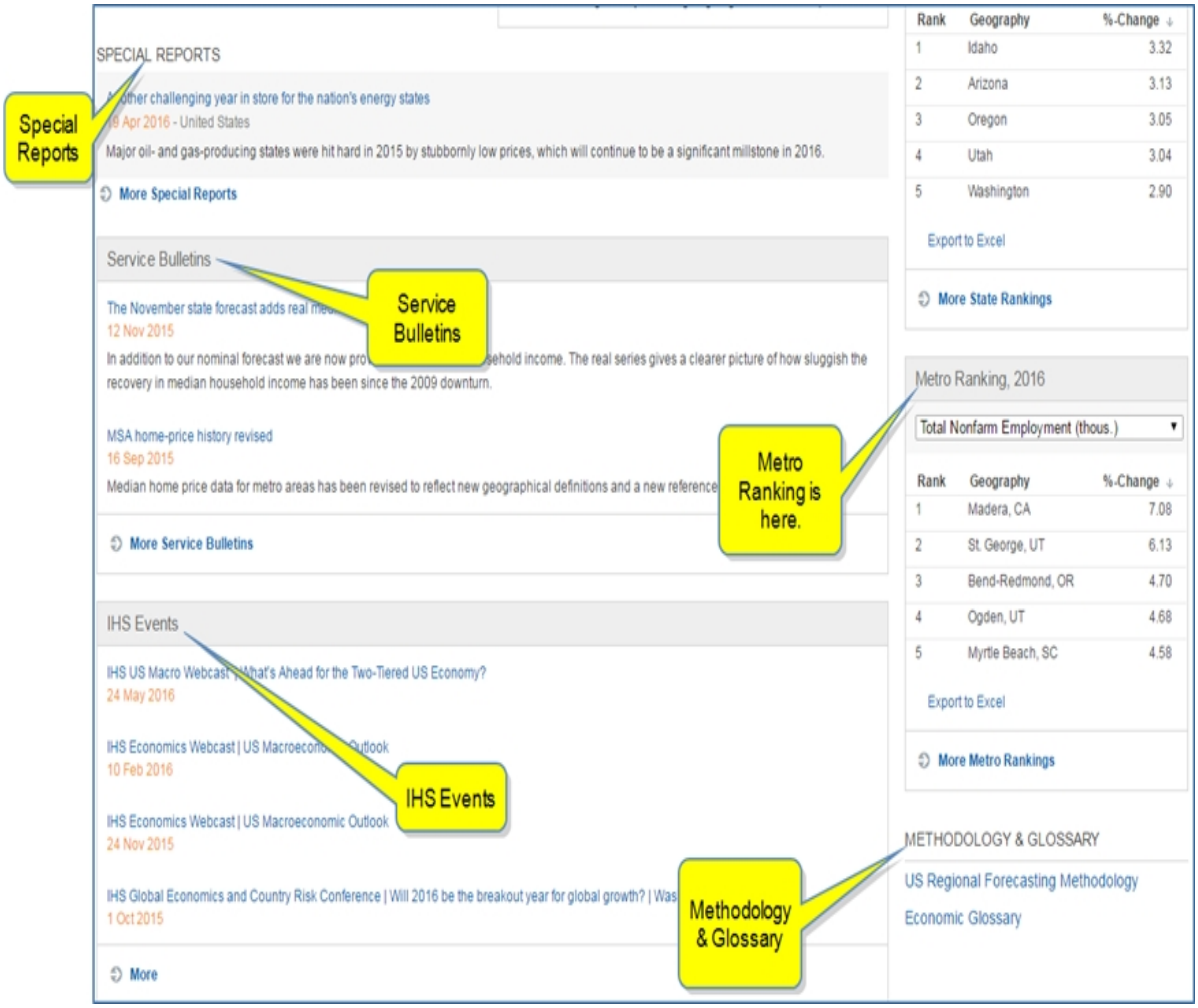
- United States Macro Analysis
- United States—States and Metros
- China Macro Analysis
- China Regions and Provinces
- Canada Macro Analysis and Provinces
- Research States and Metros
- Tools
- Related Products & Platforms
- IHS Events



United States Macro Analysis

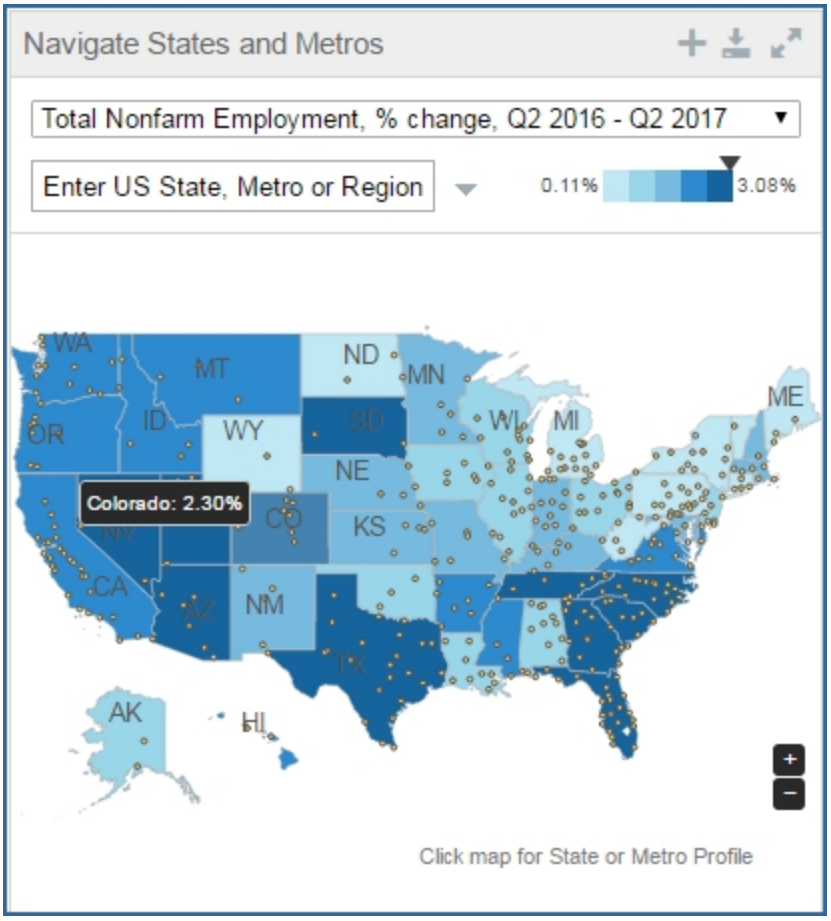
The macro analysis for the United States presents latest forecasts and analysis for the national economy. The States and Metros topic covers relevant content, analysis, and forecasting. Information is displayed through an interactive map, headline analysis, ranking table, and other reports.

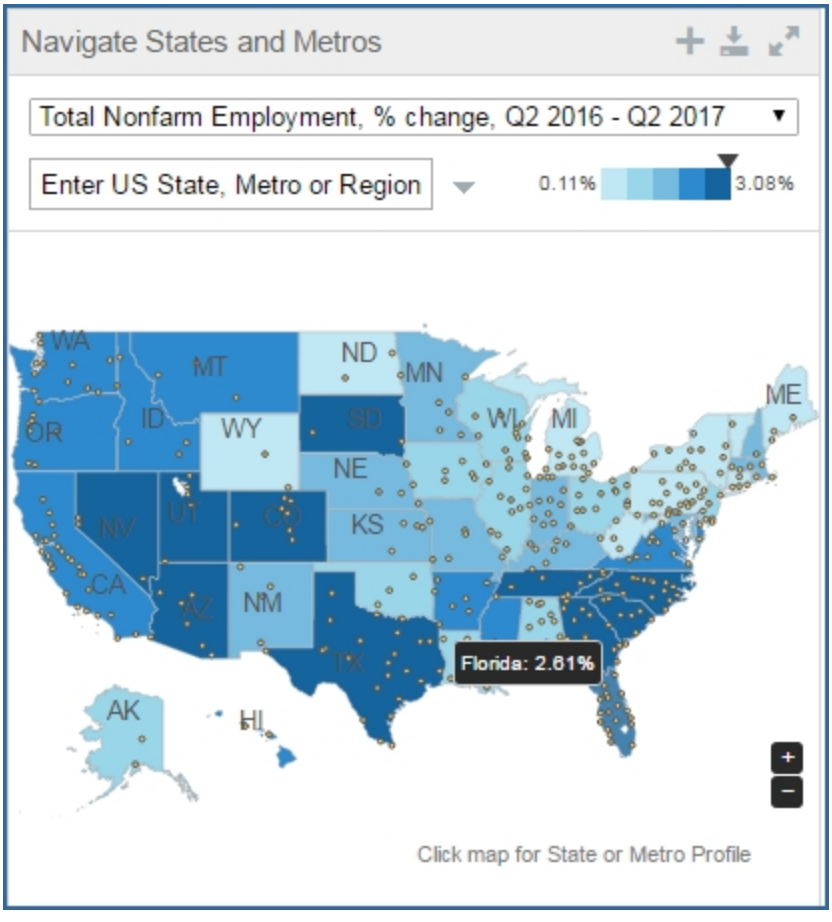

Link takes you to Global Economics page.
United States
Enter Country
Automotive
Country Risk
Economics
Energy
Life Sciences
Go to Economics - Global
Overview
States and Metros
Consumer Markets
Consumer Demand
Labor
Capital Investment
Construction
International Trade
Inflation
Monetary Policy
Fiscal Policy
A mostly positive report: More states exhibiting healthy growth
19 Apr 2016
Still no relief for some states, however, from the energy downturn.
More Headline Analysis on:
United States
Americas
RSS Feed
Sovereign Risk Review – Q1 2016
Click arrow to scroll to more subtopics for the United States.
Link to Sovereign Risk Review
Light and Heavy Naphtha:
International Market Review
Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
Enter US State, Metro or Region
0.11%
3.08%
Hover a metro or state to see displayed statistics.
Filter with drop-down menus.
Regional Overview Report
View Executive Summary
View Housing Update
Research and Data Center
U.S. Markets An Executive Summary of Regional Economies
19 May 2016
US Markets Metro Economies (A-L) – Individual PDFs (ZIP)
19 May 2016
More Research and data
Research and Data Center provides regional economic information.
Select a state by clicking on the map to open the United States--States and Metros page.
State Ranking, 2016
Total Nonfarm Employment (thous.)
State Ranking is here.



Select a state or metro by clicking on the map to open the United States—State and Metros page for your selection. See United States—States and Metros below.

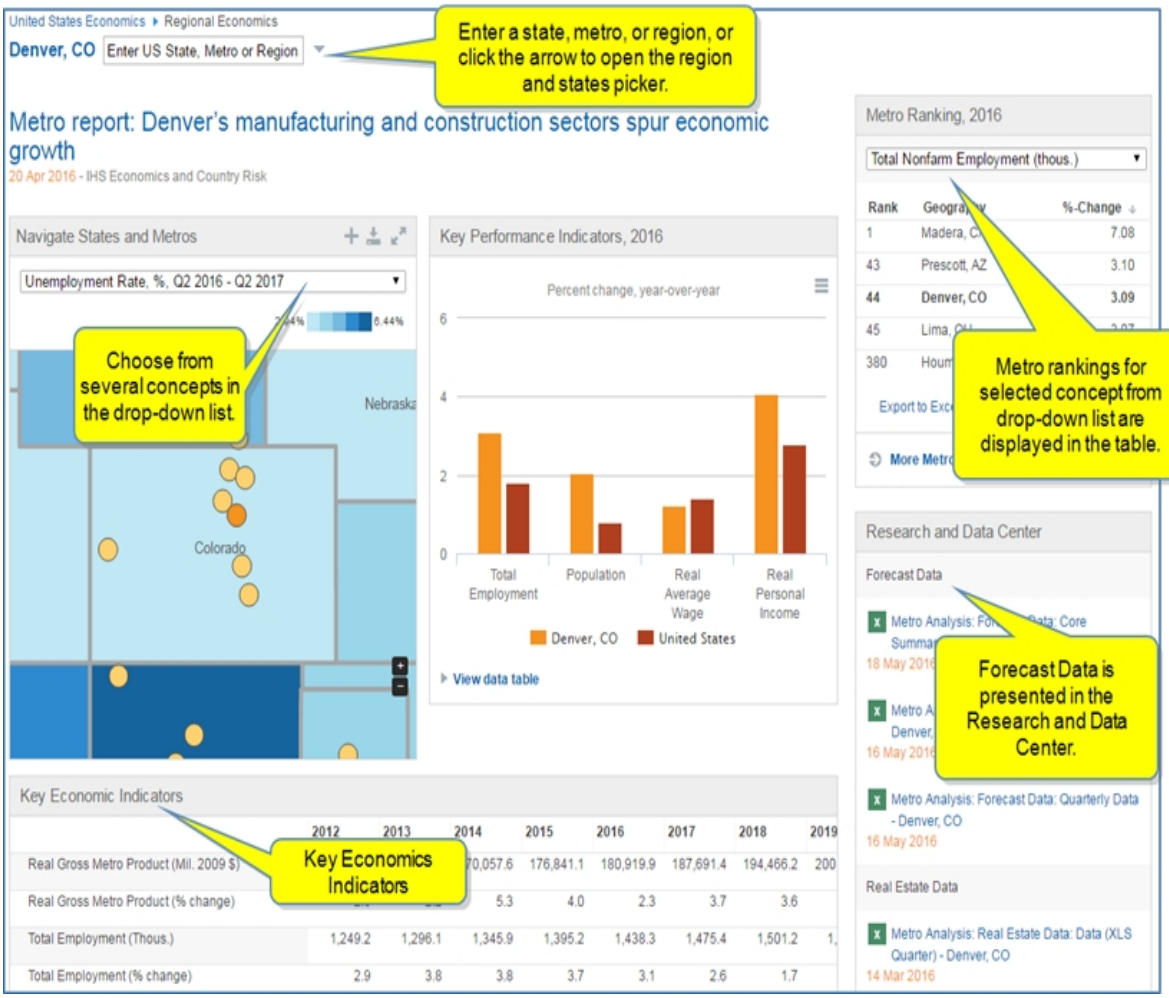
Hovering a state or metro point on the map displays data that pertains to your filter selections.


Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
Enter US State, Metro or Region
0.11%
3.08%
WA
MT
ND
MN
OR
ID
WY
SD
WI
MI
ME
NE
Colorado: 2.30%
CO
KS
CA
NV
AZ
NM
TX
AK
HI
Click map for State or Metro Profile


Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
Enter US State, Metro or Region
0.11%
3.08%
WA
MT
ND
MN
OR
ID
WY
SD
WI
MI
ME
NE
NV
UT
CO
KS
CA
AZ
NM
TX
Florida: 2.61%
AK
HI
Click map for State or Metro Profile

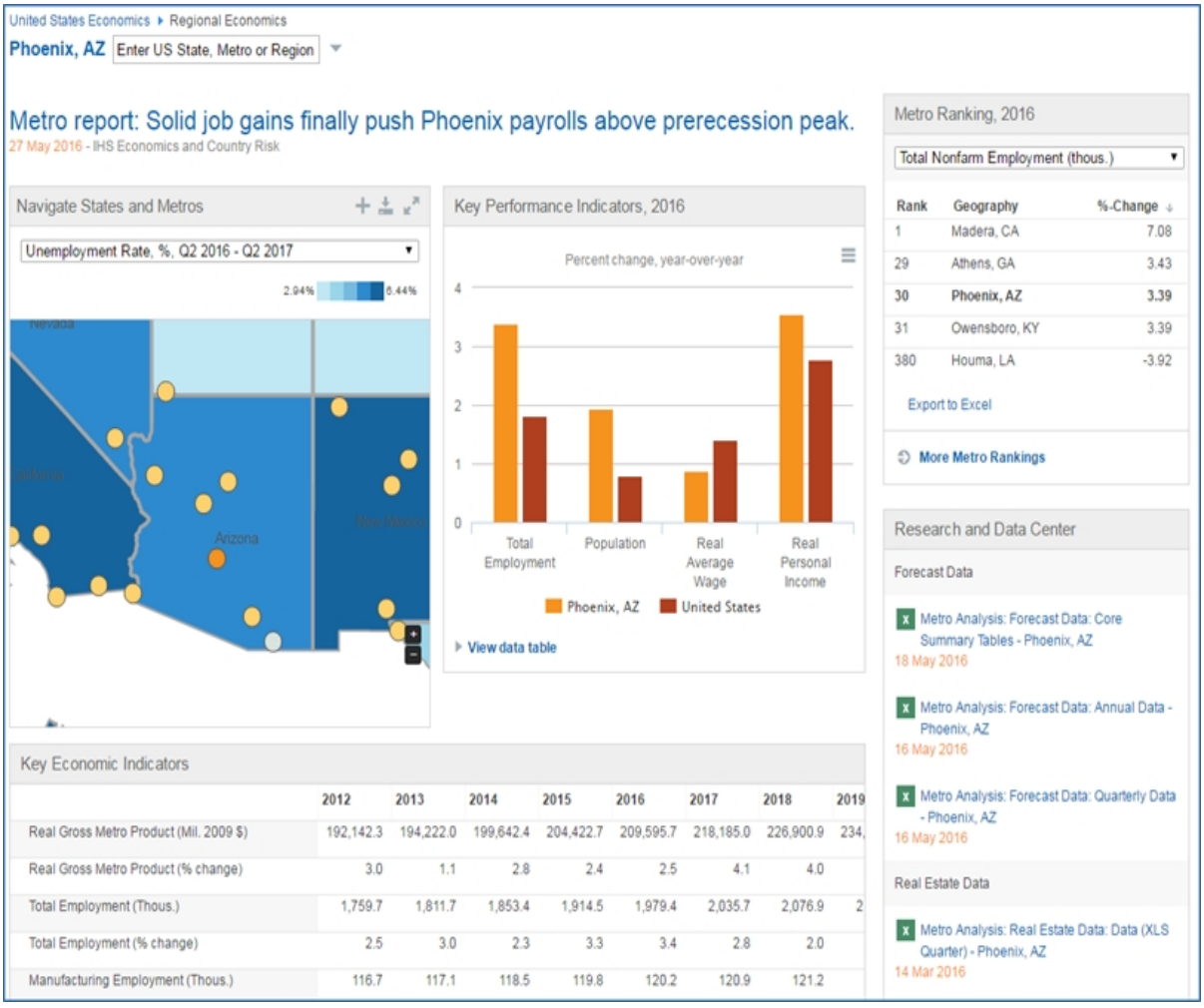
United States—States and Metros

The United States—States and Metros page covers all state and metro level content in one place, plus access to individual region, state, and metro pages.



Research States and Metros

You can also go directly to the states and metros page for economics by entering a state, metro, or province for the United States, China, or Canada in the Research field at the bottom of the megamenu. Begin typing a state or metro, and then select from the suggested list. The United States Economics State, Metro, or Region page is displayed. In the following example, Phoenix, Arizona is selected.



China Macro Analysis

China Macro Analysis covers the latest forecasts and analysis for the national economy.

The Provincial Level topic details China's economic outlook at the national, regional, and city levels to provide a deep understanding into regional disparities and evolutionary paths. Information is displayed through an interactive map, headline analysis, ranking table, and other reports.

China Regions and Provinces

All provincial-level content is in one place, including access to individual province pages.

Regional Economics provides in-depth examinations of 31 regions covering five key areas: Politics and Security, Economic Conditions, Investment Climate, Operational issues and infrastructure.

The modules included on the page are Headline Analysis, Data Map, Research and Data Center, Special Reports, China Provinces GDP Breakdown, Special Reports, Methodology, Glossary, IHS Events, and Service Bulletins.

Canada Macro Analysis and Provinces

Canada Macro Analysis covers the latest forecasts and analysis for the national economy. Coverage includes in-depth examinations of 10 provinces covering the following topics: Politics and Security, Economic Conditions, Investment Climate, Operational Issues, and Infrastructure accessed.

The Provincial Level topic details Canada's economic outlook at the national and regional levels, providing regional disparities and evolutionary paths. You can access all provincial-level content in one place on the Data Map.

Information is displayed through an interactive map (Data Map), Country Report, Research and Data Center, Ranking Table, Provincial Breakdown Chart, Provincial Economic Performance, Provincial Breakdown, Service Bulletins, and Methodology and Glossary.

Tools

Linked tools are available in the right pane of Regional Economics megamenu.

Data Browser opens the main Data Browser tool. **China Regional**, **US Economy**, and **US Regional** take you to the query page for these datasets in Data Browser.

The **Headline Analysis** tool opens on the Economics page. See Global Economics for more information about Economics Headline Analysis, full view.

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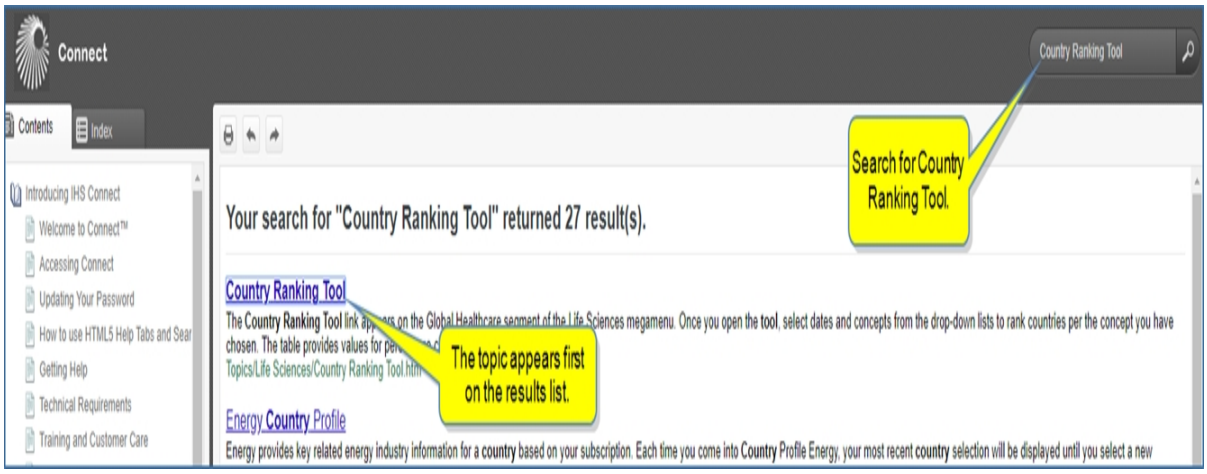

Related Products & Platforms

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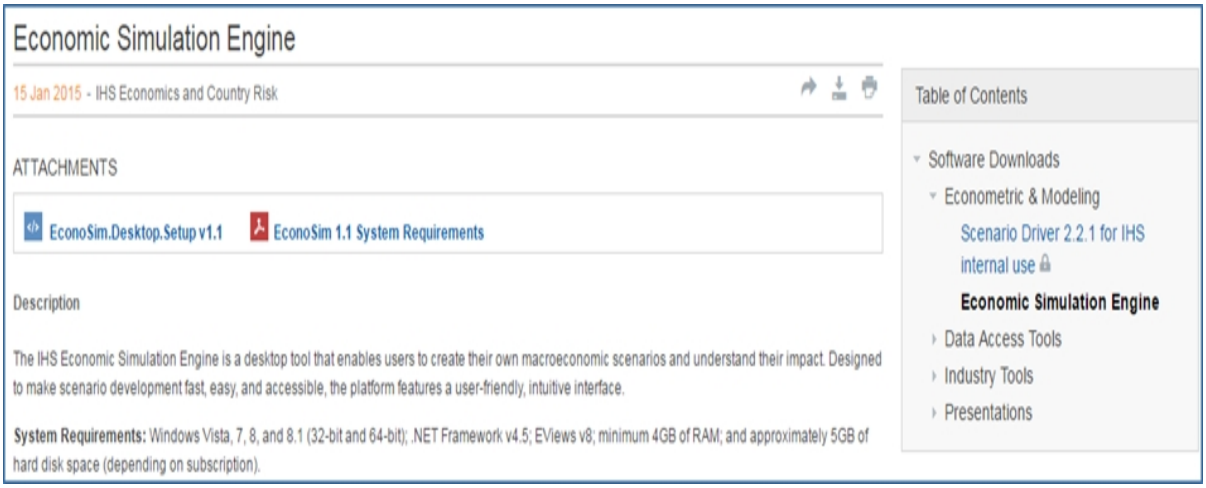
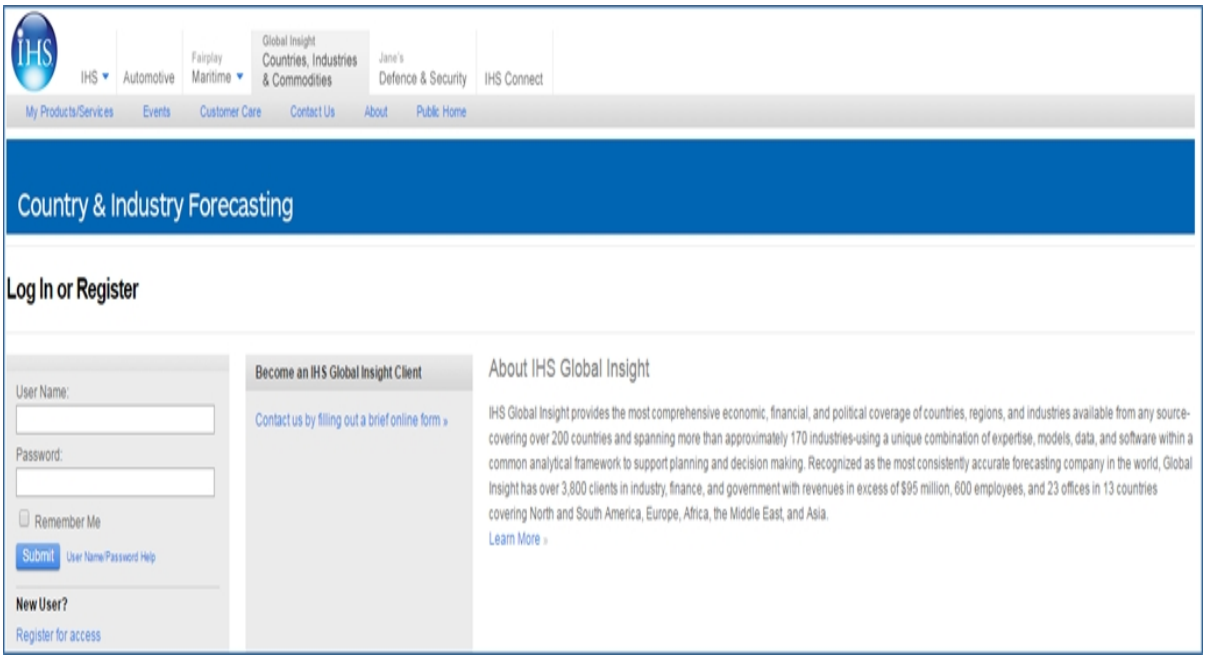
Global Link Model is an application you can download for Econometric & Modeling



Data Insight Web takes you to a Global Insight tool for Country & Industry Forecasting. You need a User Name and Password for this application.



Country Risk takes you to the Country Risk - Global page.

Comparative Industry, when available, take you to the Comparative Industry page.

IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to Regional Economics.

Sector Economics

From Sector Economics on the Economics megamenu access the following segment pages:

- Global Consumer Markets
- Construction
- Comparative Industry
- US Comparative Industry
- US Construction
- US Construction - States and Metros
- US Consumer Markets
- Tools
- Related Products & Platforms
- IHS Events

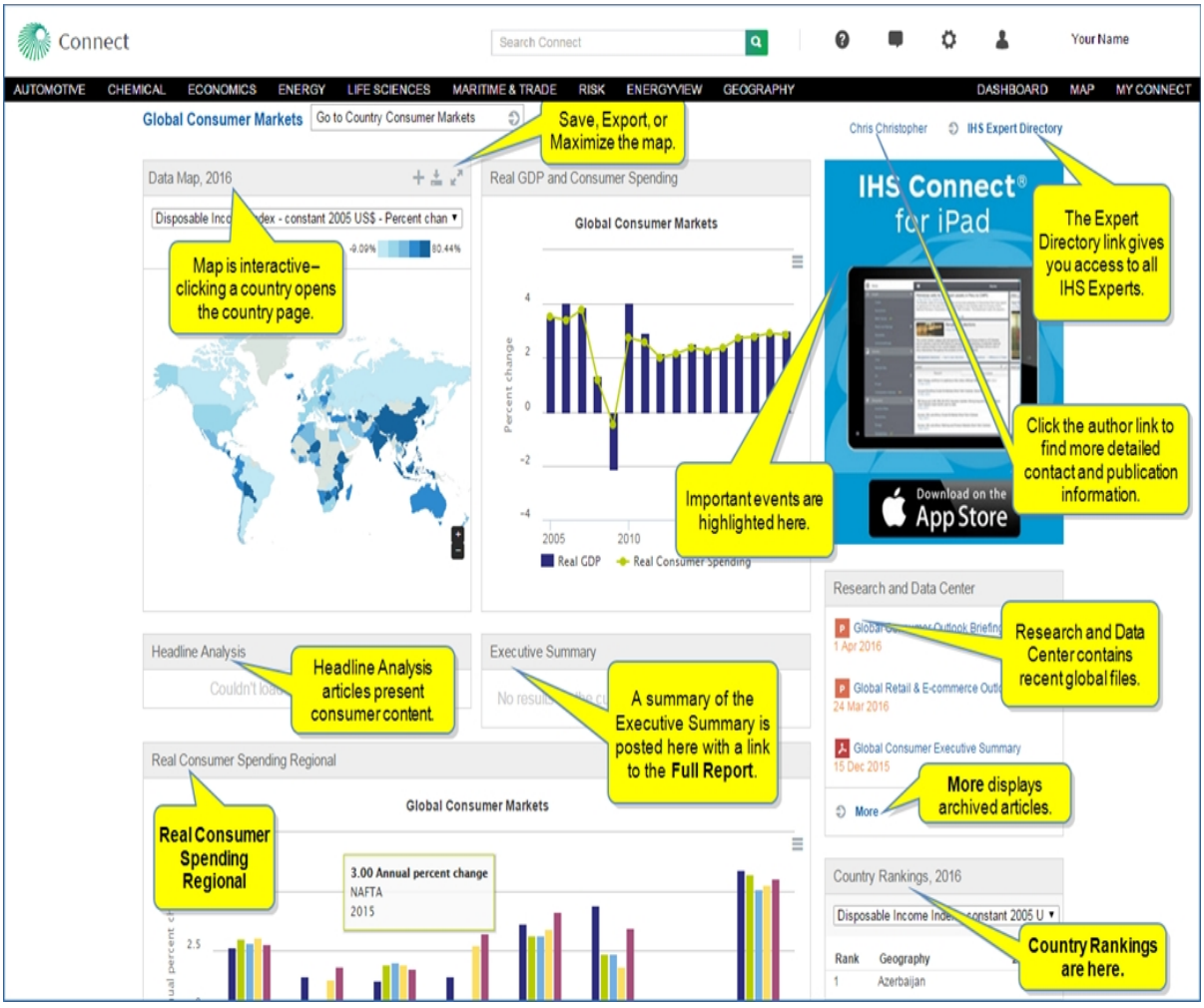
Global Consumer Markets

Global Consumer Markets highlights consumer spending, demographic trends, socioeconomic patterns, average income, and other relevant consumer indices for existing consumers across 104 countries. The global

information is presented visually through an interactive map as well as through Headline Analysis, Executive Summary, and pertinent documents in the Research and Data Center module.

The Global Consumer Markets page displays an interactive map and modules for the following content areas:

- Data Map
- Real GDP and Consumer Spending
- Headline Analysis
- Executive Summary
- Research and Data Center
- Real Consumer Spending Regional
- Country Rankings
- Methodology & Glossary
- IHS Events
- Service Bulletins



Construction

Construction accesses detailed analysis and forecasts of construction spending.

Comparative Industry

Comparative Industry is a fully interactive tool comparing the performance of more than 95 sectors across the world's large economies.

Once you select an industry, you can also select a geography so that you exactly control the scope of the content you are viewing. By default, the selected geography is "World", but you can refine this either by typing in the text box or by opening the geography menu. An information icon displays a definition of the selected industry and geography.

The content for the selected industry and geography is presented in the body of the page. It is broken down into five main tabs: Overview, Supply and Demand, Financial Performance, Economic Drivers, and Global Files and Research..

You can click in the charts and the tables to further change your industry and geography selection.

The time slider controls the dates on the charts and maps for the whole page.

By clicking the double arrow icon , you switch between industry-breakdown and geo-breakdown. In the former, the emphasis is put on industry comparisons and analysis; in the latter, the emphasis is put on geography comparisons and analysis.

For example, when you select the industry **Food & Beverage** and the geography **Hungary**,

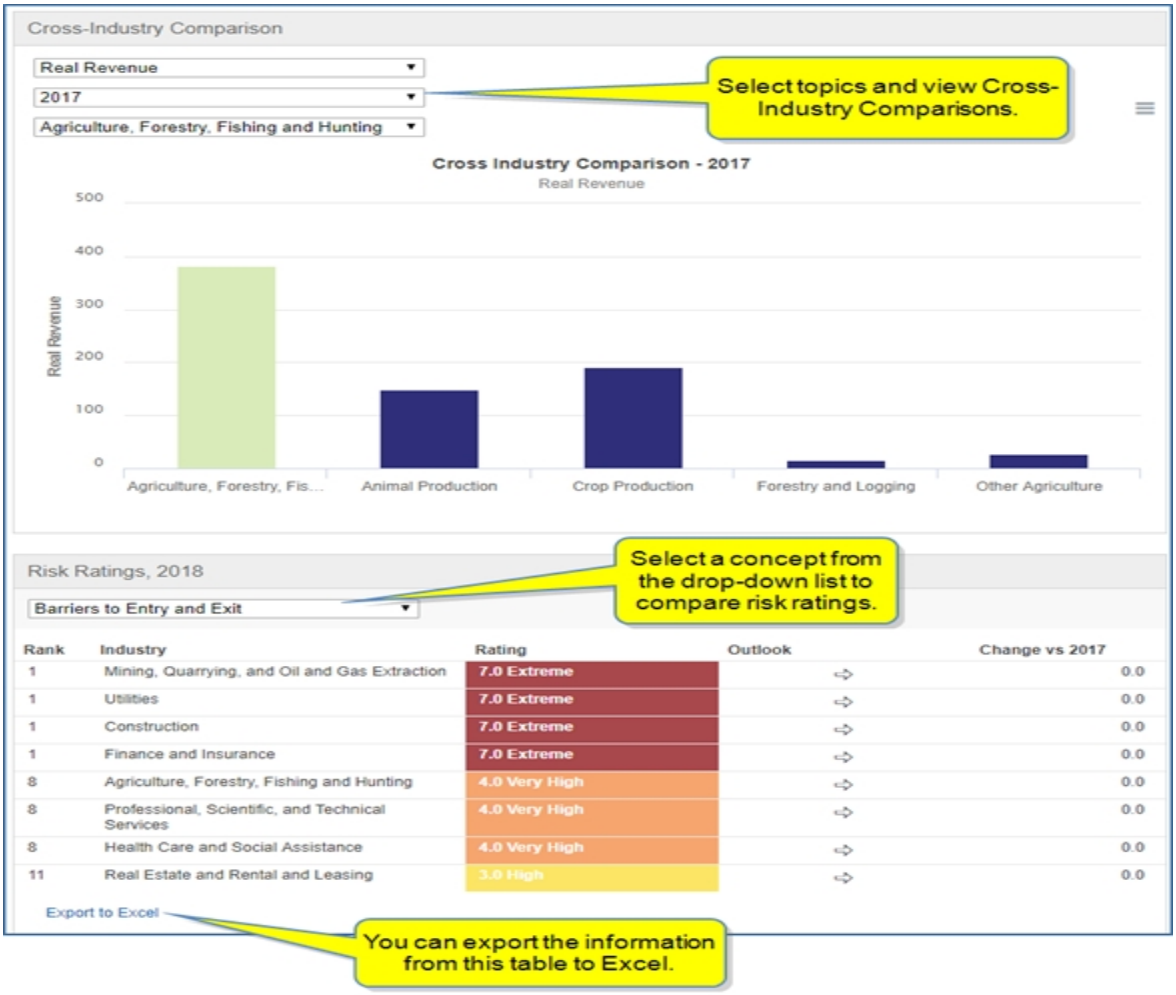
- The industry-breakdown shows how the performance of the Food & Beverage industry in Hungary splits into its constituents *Food Products* and *Beverage* and how it fares in comparison to its peer industries *Agriculture*, *Tobacco Products*, *Paper & Pulp*, etc.
- The geo-breakdown shows how the Food & Beverage industry fares in Hungary compared to other European countries.

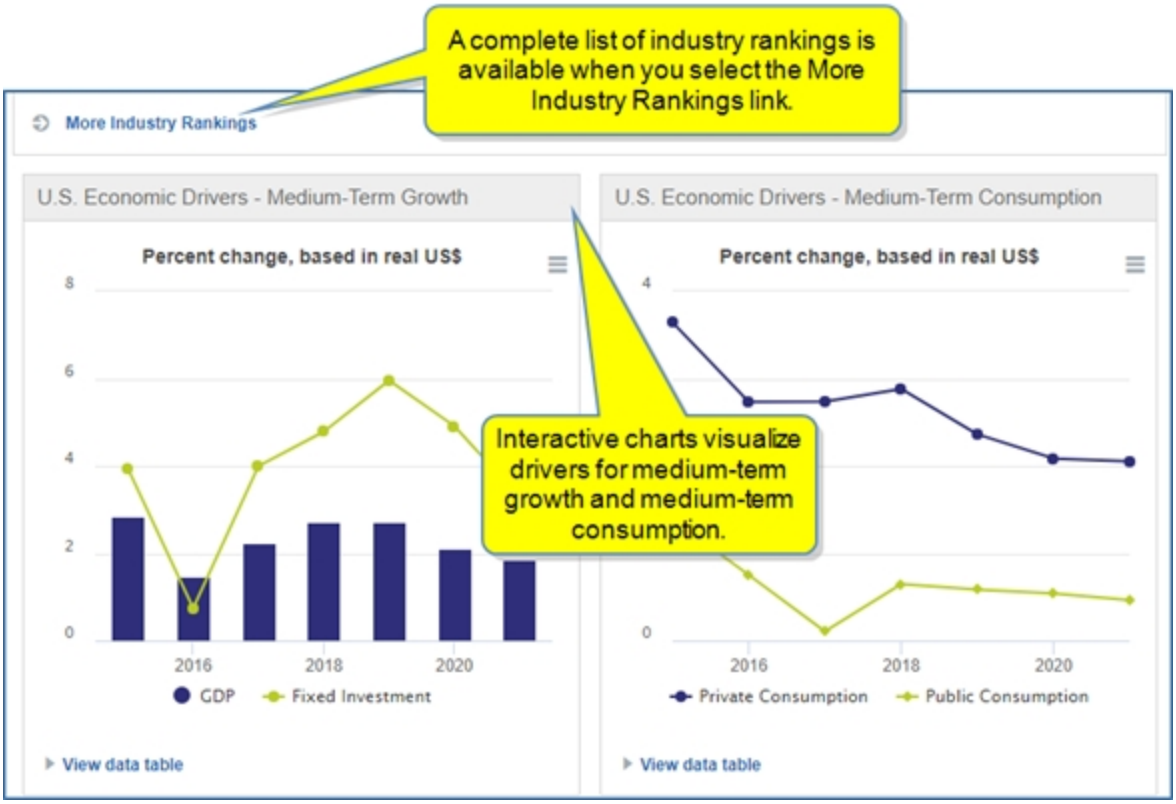
US Comparative Industry

US Comparative Industry compares the performance of, and risks facing, 190 US industries. It provides a more detailed breakdown of sectoral trends and risks in the United States than you find in the Global Comparative Industry service.

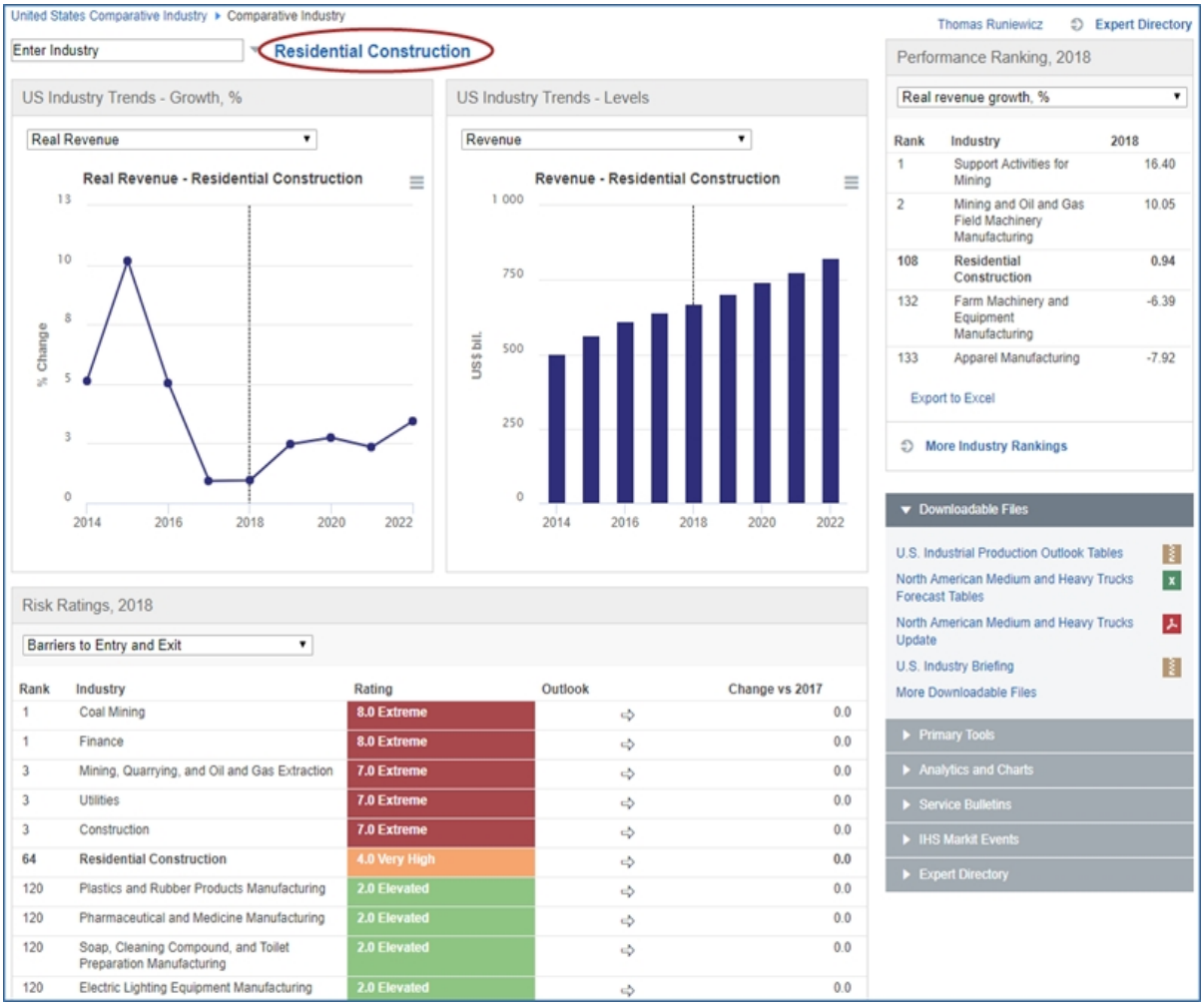
The Overview page provides all of the downloadable files as well as ranking tables and interactive charts. Specifically, the page contains Key Reports, Performance Ranking, an Industry Chart, an interactive Cross-Industry comparison chart, a module for Risk Ratings, and two interactive charts: US Economic Drivers - Medium-Term Growth and US Economic Drivers - Medium-Term Consumption.

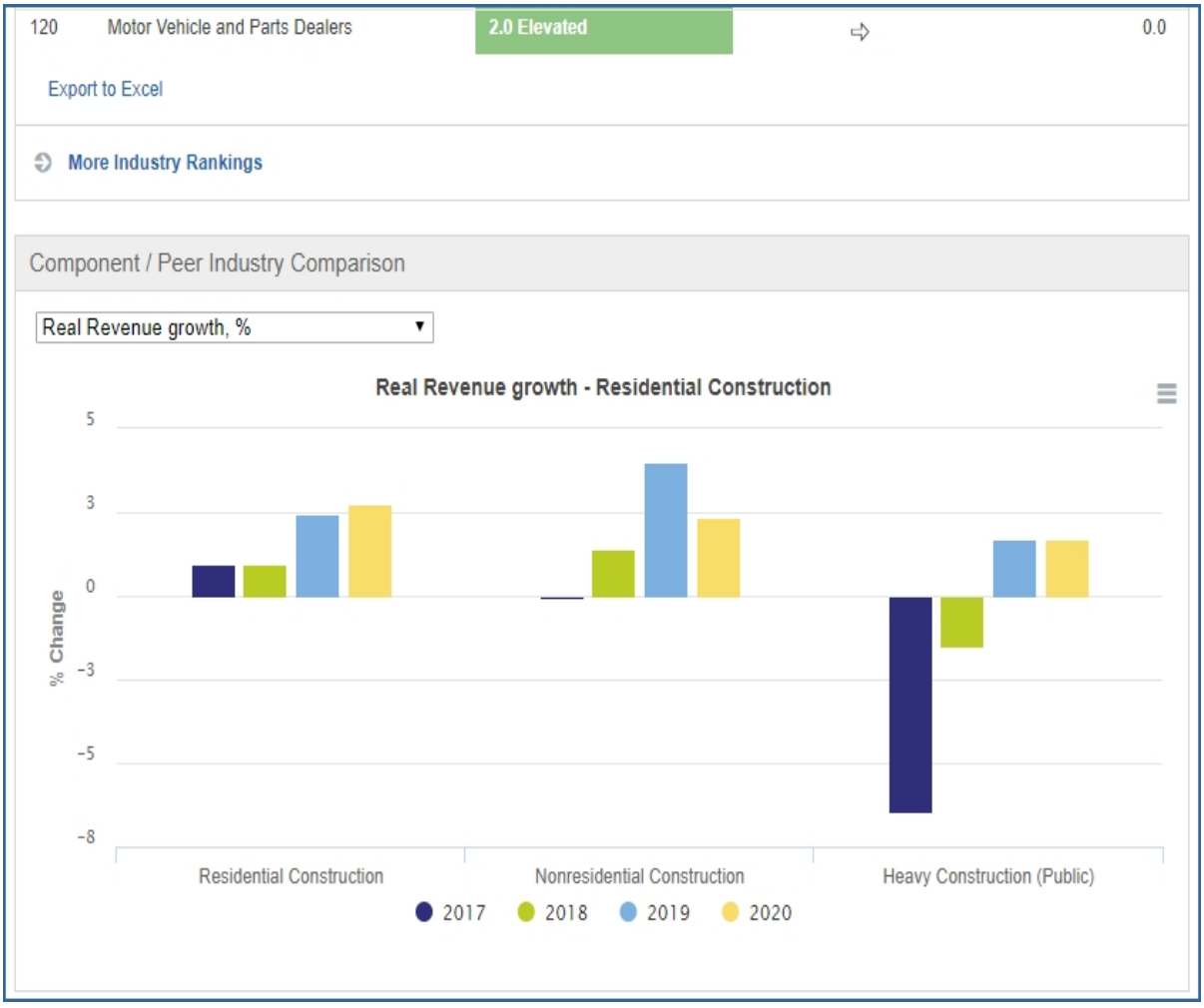
To see similar modules for a particular industry, enter the industry or select the down arrow to choose from the industry picker.
The Overview page for US Comparative Industries.
United States
Enter Country
Thomas Runiewicz
Expert Directory
Automotive
Country Risk
Economy
Energy
Life Sciences
Overview
States and Metros
Construction
Consumer Markets
Comparative Industry
Consumer Demand
Labor
Capital Investment
International Trade
Inflation
Monetary Policy
Enter Industry
KEY REPORTS
Key Reports inform you about current trends.
Global Economic Outlook
Pricing and Purchasing | Scheduled Update
Purchasing Environment: Overview
Pricing and Purchasing | Scheduled Update
More Comparative Industry Research
Click the link for More Comiparative Industry Research to see a complete list.
Primary Tools
Data Browser - U.S. Industry
Analytics and Charts
Analytics and Charts are available here.
Downloadable Files
U.S. Industrial Production Outlook Tables
North American Medium and Heavy Trucks Forecast Tables
North American Medium and Heavy Truck Update
U.S. Industry Briefing
More Downloadable Files
Downloadable files and links to Data Browser are listed under Primary Tools.
Service Bulletins
IHS Markit Events
Expert Directory
More accordion bars open Service Buletins, IHS Markit Events, and Expert Directory.
Performance Ranking, 2018
Real revenue growth, %
Rank
Industry
2018
1 Support Activities for Mining 16.40
2 Mining and Oil and Gas Field Machinery Ma 10.05
3 Resin, Synthet Synthetic Fiber Manufacturing
4 Heavy Duty Truck Manufacturing 9.50
130 Textile Product Mills -3.05
131 Tobacco Manufacturing -3.13
132 Farm Machinery and Equipment Manufacturing -6.39
133 Apparel Manufacturing -7.92
Export to Excel
Select a concept and view performance ranking.
Industry Chart
Key Sector Performance
7500
5000
2500
0
2016
2018
2020
2022
Revenue: Total Manufacturing, Billions 2009 $, Global Insight, US Industry Practice,
Revenue: Total Mining, Billions 2009 $, Global Insight, US Industry Practice,
Revenue: Total Construction, Billions 2009 $, Global Insight, US Industry Practice,
Industry Chart for Key Sector Performance is here.
Select the menu bars to export, prints, edit, browse in the Data Browser tool, or save to My Connect.
View data table
More Industry Rankings
More rankings are available with the More Industry Rankings link.
The View data table link displays the data table.

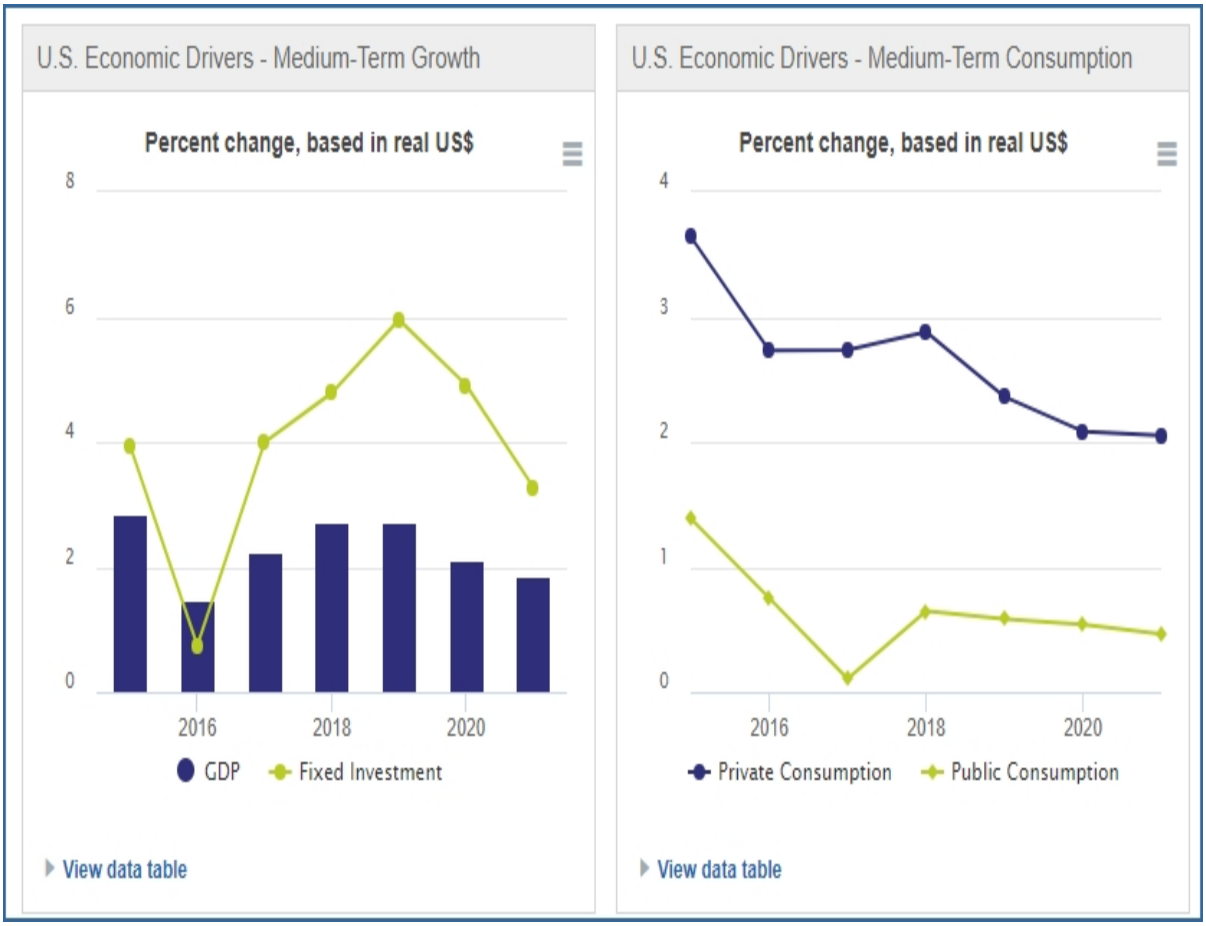

Cross-Industry Comparison
Real Revenue
2017
Agriculture, Forestry, Fishing and Hunting
Select topics and view Cross-Industry Comparisons.
Cross Industry Comparison - 2017
Real Revenue
Real Revenue
500
400
300
200
100
0
Agriculture, Forestry, Fis...
Animal Production
Crop Production
Forestry and Logging
Other Agriculture
Risk Ratings, 2018
Barriers to Entry and Exit
Select a concept from the drop-down list to compare risk ratings.
Rank Industry Rating Outlook Change vs 2017
1 Mining, Quarrying, and Oil and Gas Extraction 7.0 Extreme 0.0
1 Utilities 7.0 Extreme 0.0
1 Construction 7.0 Extreme 0.0
1 Finance and Insurance 7.0 Extreme 0.0
8 Agriculture, Forestry, Fishing and Hunting 4.0 Very High 0.0
8 Professional, Scientific, and Technical Services 4.0 Very High 0.0
8 Health Care and Social Assistance 4.0 Very High 0.0
11 Real Estate and Rental and Leasing 3.0 High 0.0
Export to Excel
You can export the information from this table to Excel.



When you enter an industry in the field at the top of the overview page or use the arrow to open the industry picker, Connect displays data specific to the industry selected in the context of peer industries. Behavior varies depending on whether you select aggregate level industries or detailed industries. Modules are similar to the Overview page. Note that chart availability is dictated by indicators available for each industry.

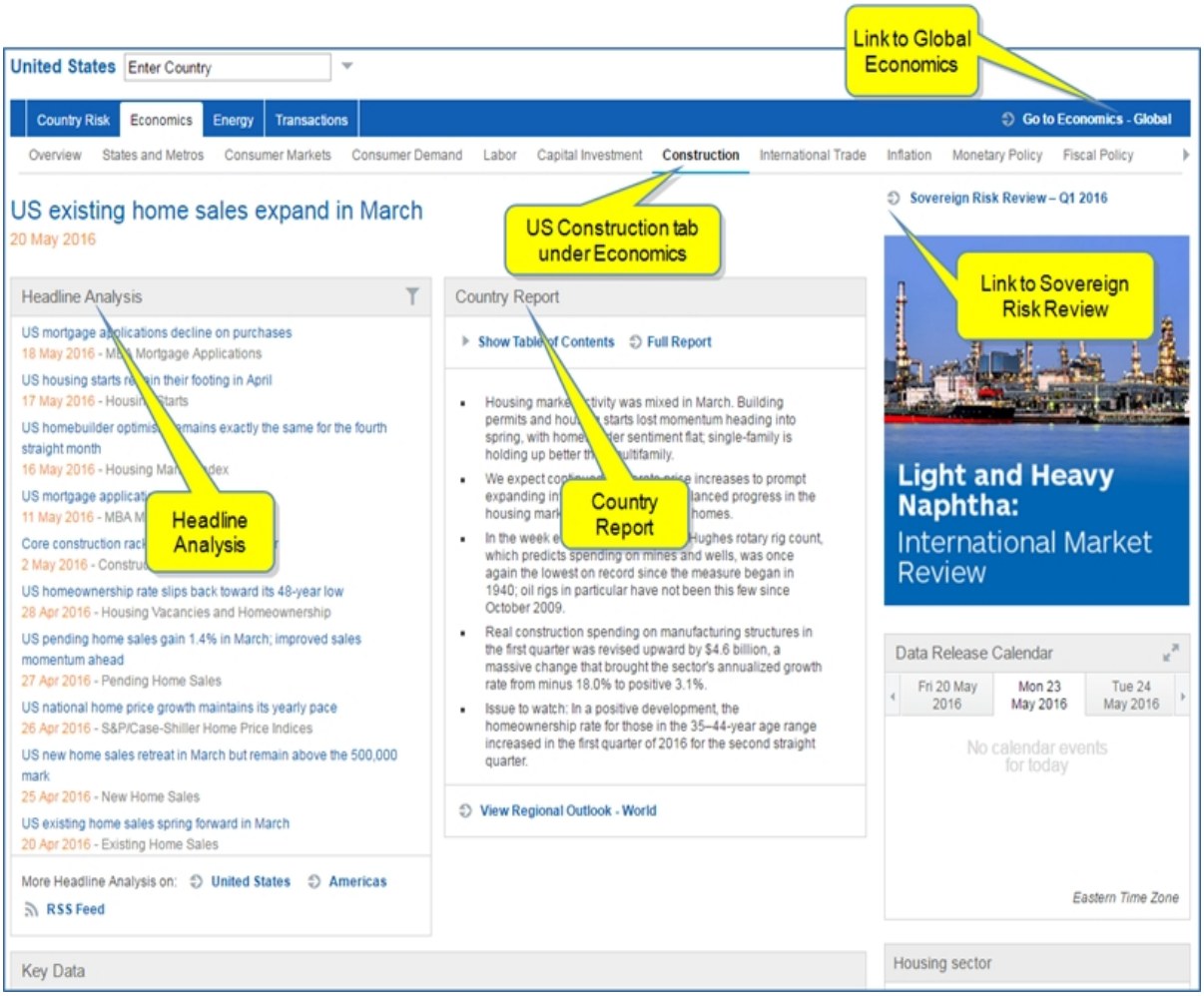

United States Comparative Industry ▸ Comparative Industry
Thomas Runiewicz
Expert Directory
Enter Industry
Residential Construction
US Industry Trends - Growth, %
Real Revenue
Real Revenue - Residential Construction
% Change
US Industry Trends - Levels
Revenue
Revenue - Residential Construction
US$ bil.
Performance Ranking, 2018
Real revenue growth, %
Rank Industry 2018
1 Support Activities for Mining 16.40
2 Mining and Oil and Gas Field Machinery Manufacturing 10.05
108 Residential Construction 0.94
132 Farm Machinery and Equipment Manufacturing -6.39
133 Apparel Manufacturing -7.92
Export to Excel
More Industry Rankings
Downloadable Files
U.S. Industrial Production Outlook Tables
North American Medium and Heavy Trucks Forecast Tables
North American Medium and Heavy Trucks Update
U.S. Industry Briefing
More Downloadable Files
Primary Tools
Analytics and Charts
Service Bulletins
IHS Markit Events
Expert Directory
Risk Ratings, 2018
Barriers to Entry and Exit
Rank Industry Rating Outlook Change vs 2017
1 Coal Mining 8.0 Extreme 0.0
1 Finance 8.0 Extreme 0.0
3 Mining, Quarrying, and Oil and Gas Extraction 7.0 Extreme 0.0
3 Utilities 7.0 Extreme 0.0
3 Construction 7.0 Extreme 0.0
64 Residential Construction 4.0 Very High 0.0
120 Plastics and Rubber Products Manufacturing 2.0 Elevated 0.0
120 Pharmaceutical and Medicine Manufacturing 2.0 Elevated 0.0
120 Soap, Cleaning Compound, and Toilet Preparation Manufacturing 2.0 Elevated 0.0
120 Electric Lighting Equipment Manufacturing 2.0 Elevated 0.0


120 Motor Vehicle and Parts Dealers
2.0 Elevated
0.0
Export to Excel
More Industry Rankings
Component / Peer Industry Comparison
Real Revenue growth, %
Real Revenue growth - Residential Construction
% Change
5
3
0
-3
-5
-8
Residential Construction
Nonresidential Construction
Heavy Construction (Public)
2017
2018
2019
2020



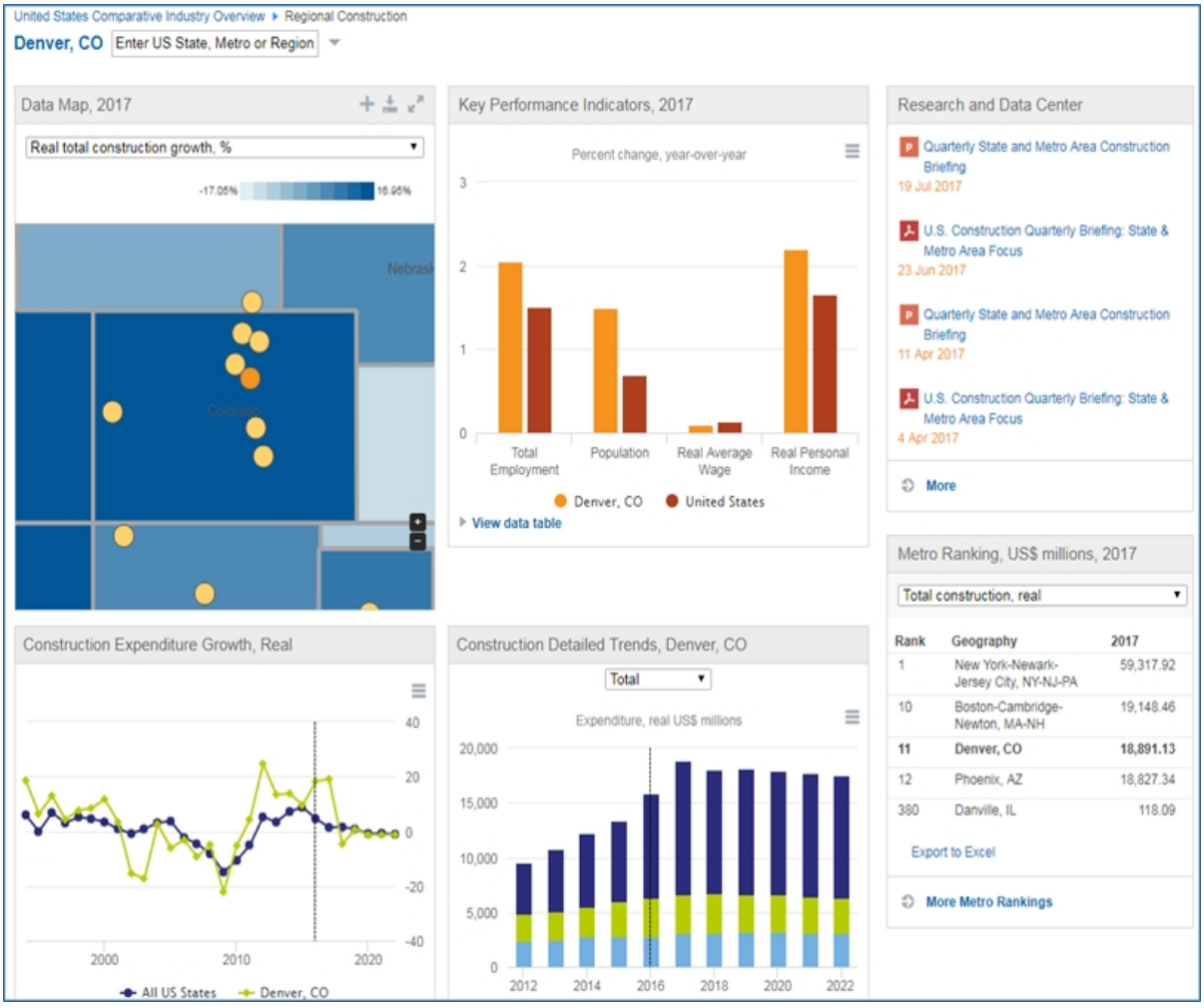
US Construction

US Construction gives you access to detailed analysis and forecasts of US construction spending, at both national and state/metro levels.



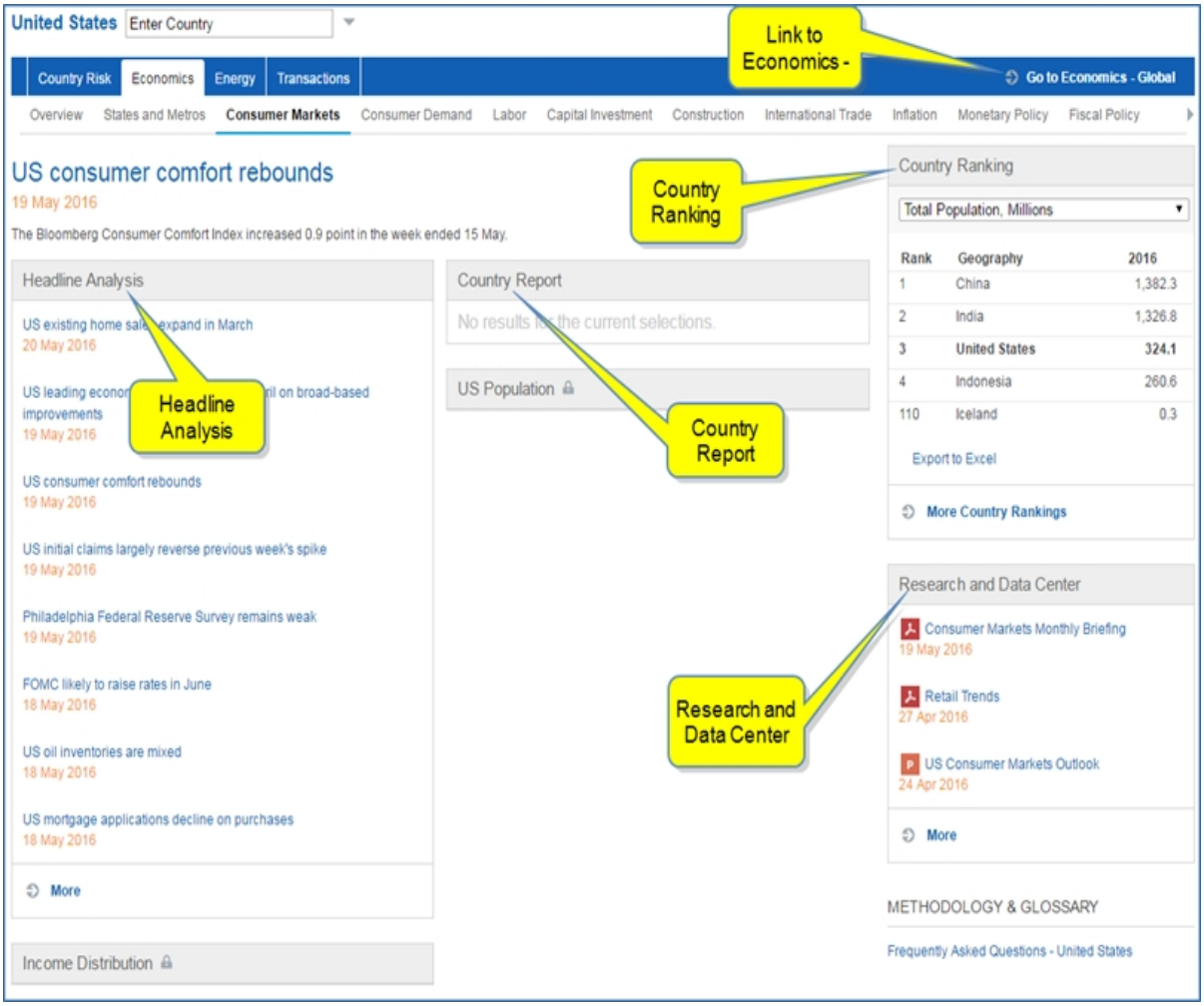
US Construction - States and Metros

US Construction - States and Metros allows you to access detailed analysis and forecasts of US construction spending at region, state and metro levels.



US Consumer Markets

The US Consumer Markets page provides in-depth forecasts and analysis for US consumer spending, demographics and income. Modules include Headline Analysis, Country Report, US Population, Country Ranking, Research and Data Center, Income Distribution, Special Reports, Methodology & Glossary, IHS Events, and Service Bulletins.



Tools

Linked tools are available in the right pane of Sector Economics megamenu.

Data Browser opens the main Data Browser tool. **World Industry Service**, **WISQ Industry Output**, **Global Consumer Markets**, **US Consumer Markets**, **Global Construction**, and **US Construction** (when available) take you to the query page for these datasets in Data Browser.

The **Headline Analysis** tool opens on the Economics page.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

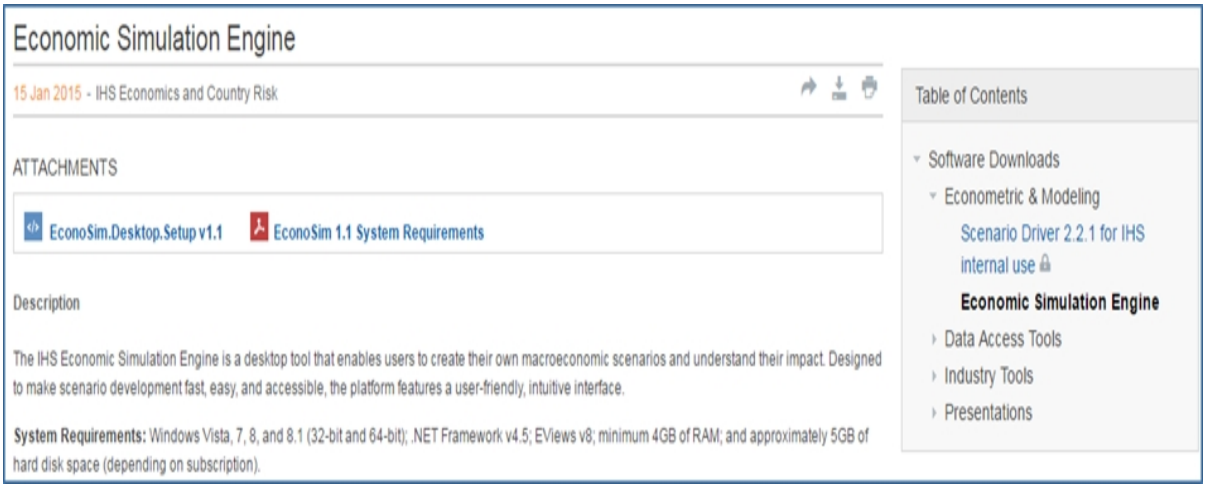
Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

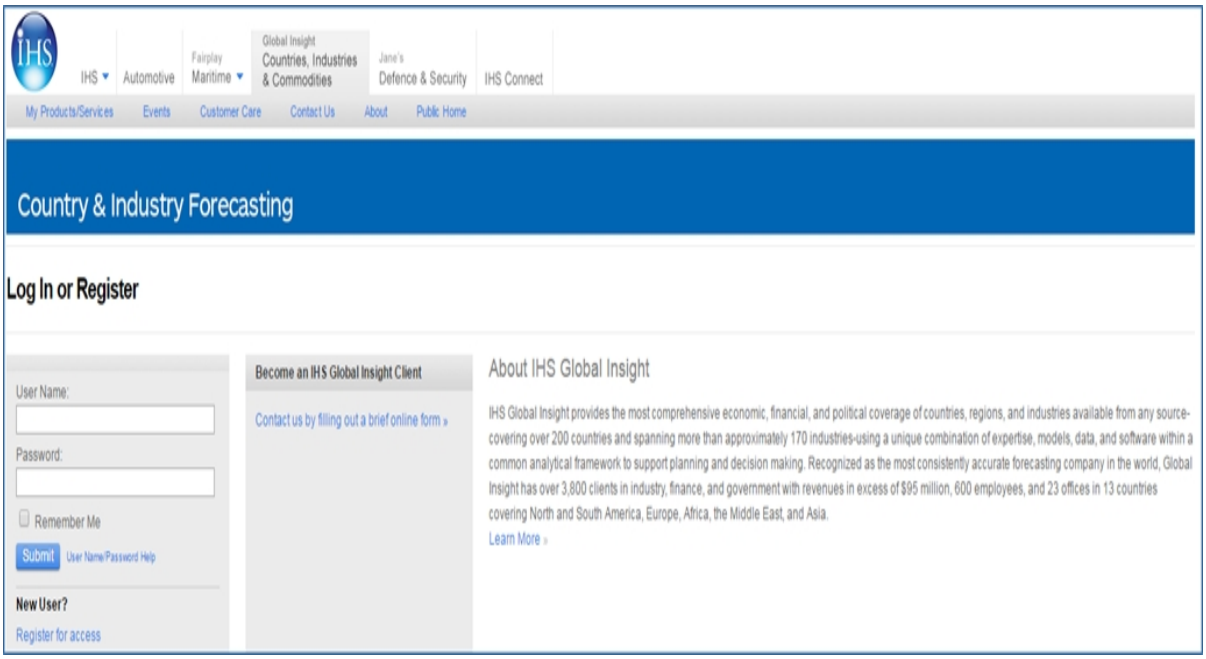
Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of IHS Connect.

Global Link Model is an application you can download for Econometric & Modeling



Data Insight Web takes you to a Global Insight tool for Country & Industry Forecasting. You need a User Name and Password for this application.



Country Risk takes you to the Country Risk - Global page.

Pricing and Purchasing takes you to the query page for Pricing and Purchasing Forecasts in Data Browser.

Comparative Industry takes you to the Comparative Industry page.

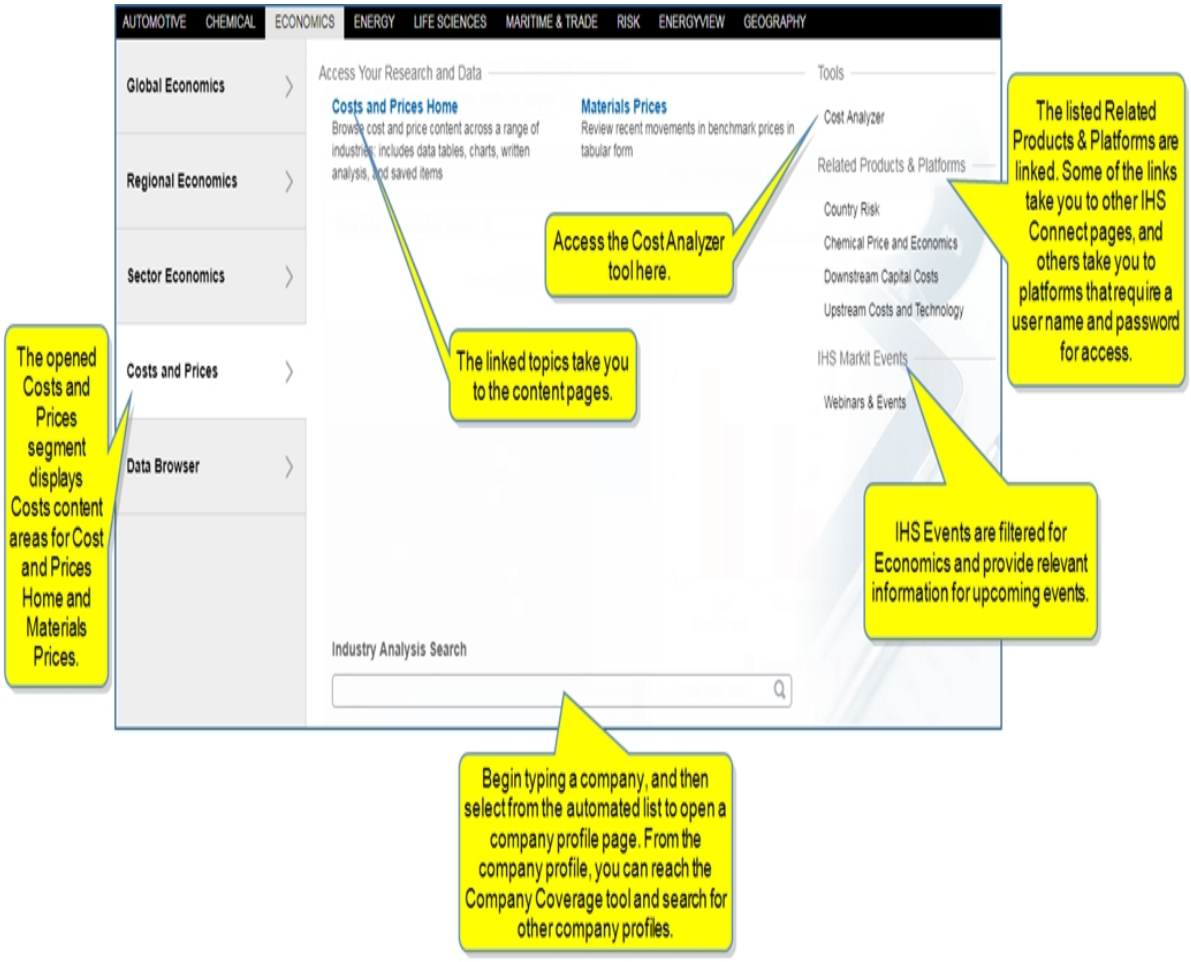
IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to economics.

Costs and Prices

The Costs and Prices megamenu provides research and analysis under the following content areas. Read more information about the **Cost Analyzer** tool and access links to help topics for **Cost Analyzer** by clicking Tools here.

- Costs and Prices Home
- Materials Prices
- Industry Analysis Search
- Tools
- Related Products and Platforms
- IHS Events



Note: The data included in the modules is dependent on your subscription(s).

Costs and Prices Home

Costs and Prices Home opens with tabs for **Overview**, **Energy**, **Chemicals**, **Steel**, **Nonferrous Metal**, **Labor Cost**, and **Indirect**. Browse content across a range of industries. Information is organized into Key

Reports, Special Reports, Industry Analysis, and the Material Prices Table. Tools available in the right pane give you access to related information for the industry.

The modules on the Costs and Prices **Overview** page provide research and analysis covering Key Reports, Special Reports, Industry Analysis, and Material Prices Table. Other tabs include a Key Data table. , manipulate and analyze data in the Cost Analyzer tool by selecting the **Cost Analyzer** link.

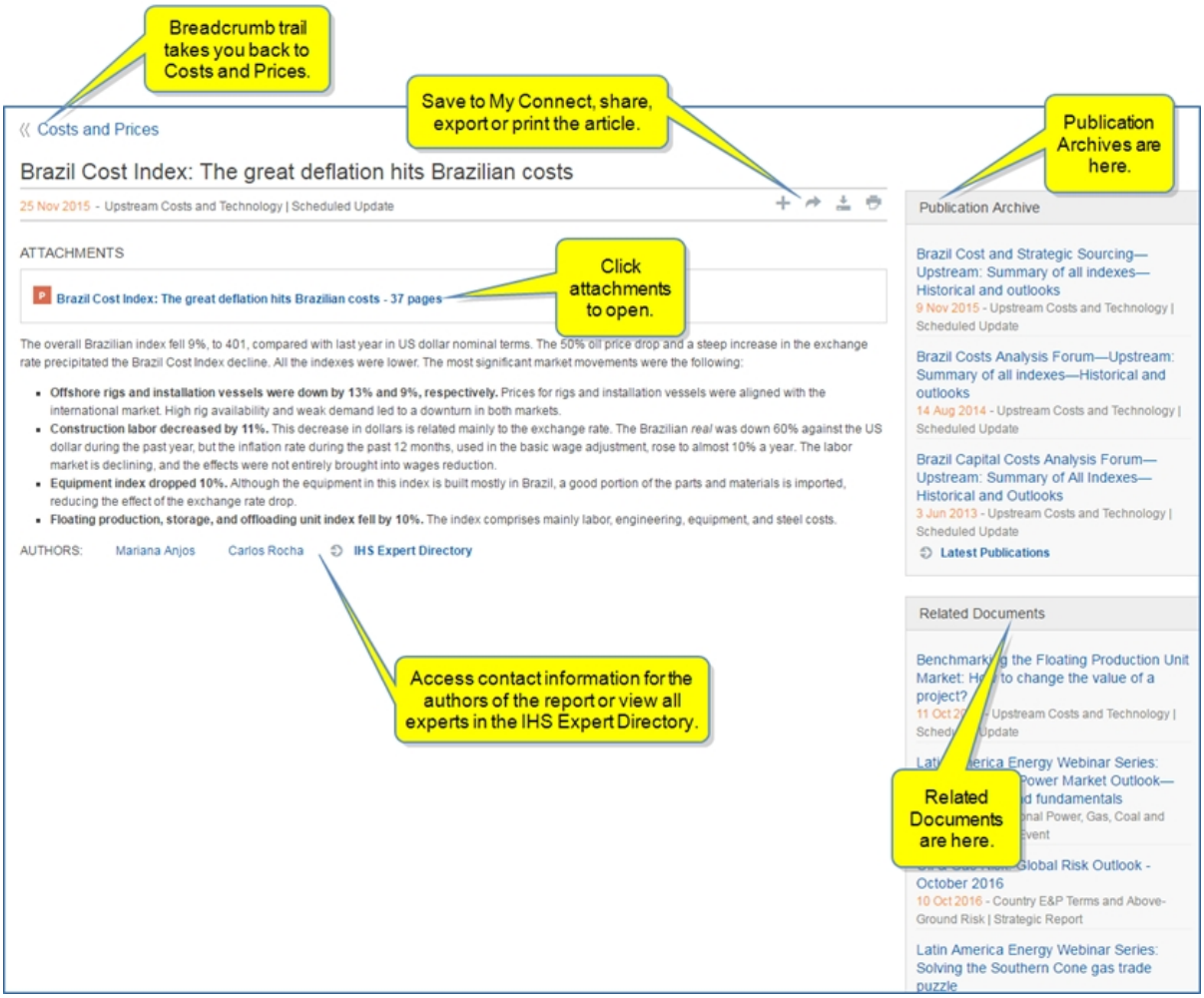
Read more information about the **Cost Analyzer** tool and access links to help topics for Cost Analyzer by clicking Tools here.

The accordion bars in the right pane provide access to the following tools:

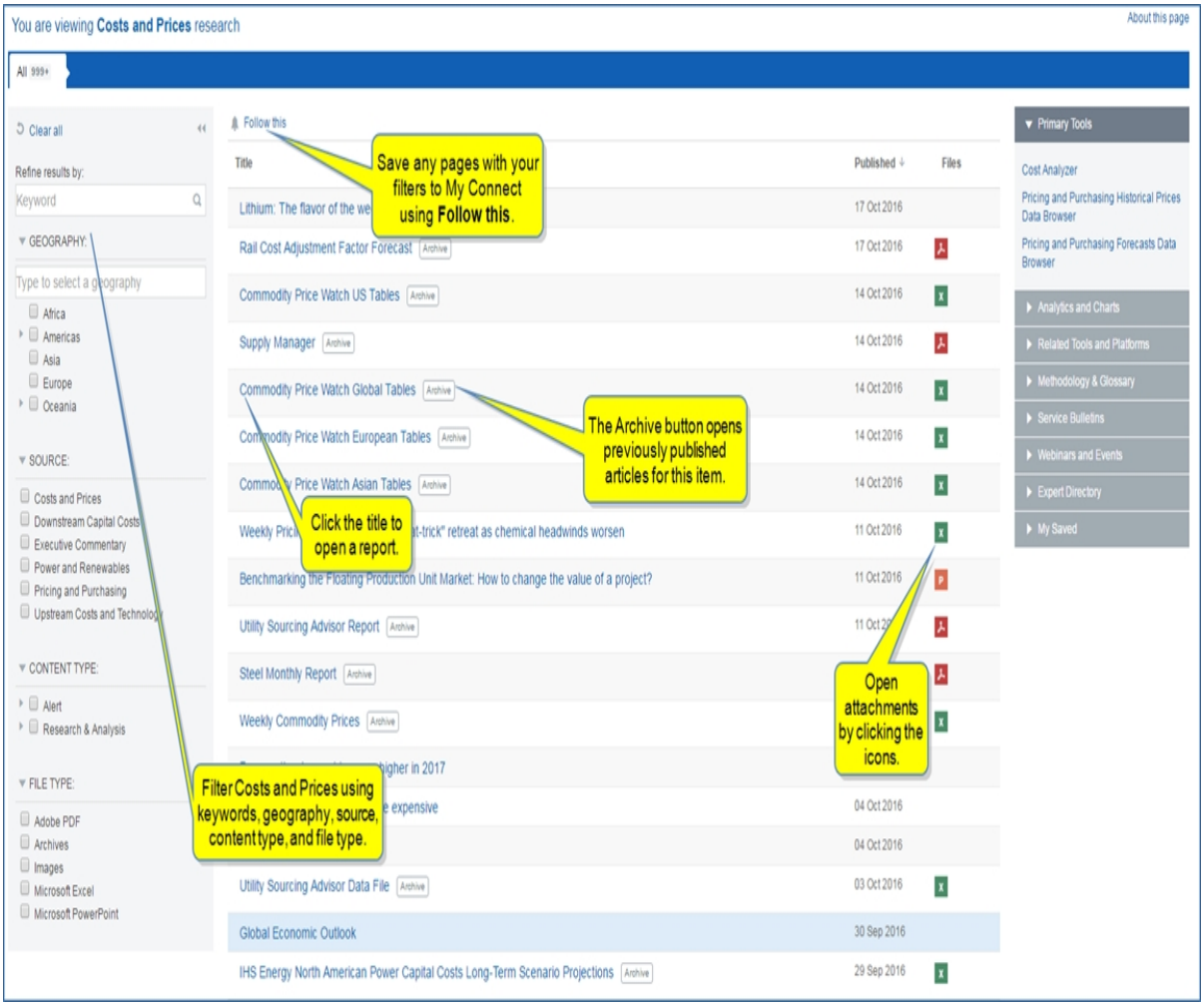
- **Primary Tools**—Cost Analyzer, Pricing and Purchasing Historical Prices Data Browser, and Pricing and Purchasing Forecasts Data Browser
- **Analytics and Charts**—links to charts, data tables, methodology, and research that you can export, print, and save to My Connect
- **Related Tools and Platforms**—more links to tools relevant to costs and prices
- **Methodology & Glossary**—information that explains how the data is obtained and evaluated
- **Service Bulletins**—alerts to changes and upcoming trends in costs and prices
- **Webinars and Events**—webinars and events around the world related to cost and prices
- **Expert Directory**—access to Economics and Country Risk experts and their contact information
- **My Saved**—access to saved content in folders on My Connect

Note: The data included in the modules is dependent on your subscription(s).

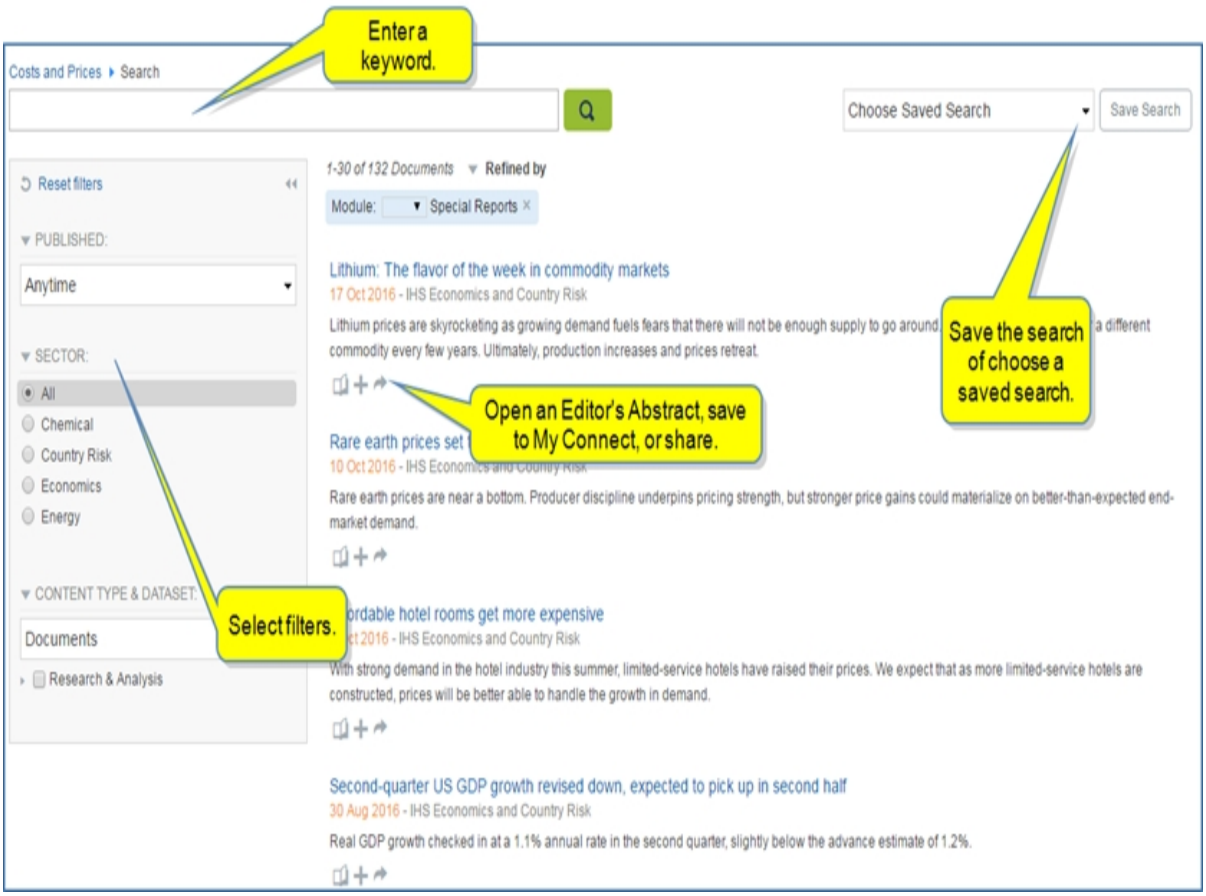
Click the title of a report to open it.



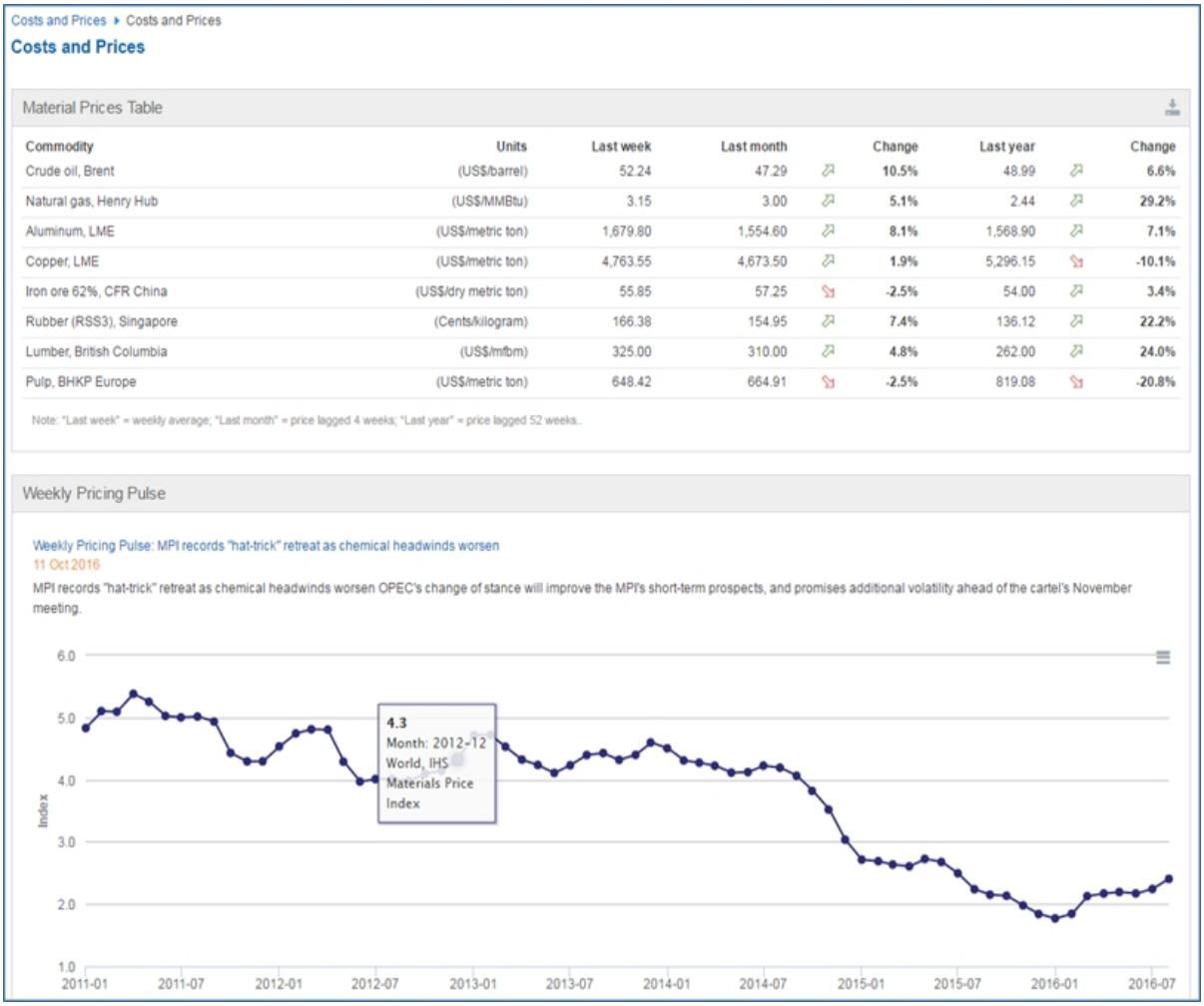
More Costs and Prices Research opens Costs and Prices research in a capability page format. You can apply filters and save pages with the Follow this feature.



More Special Reports opens a Costs and Prices Search page filtered by Special Reports.



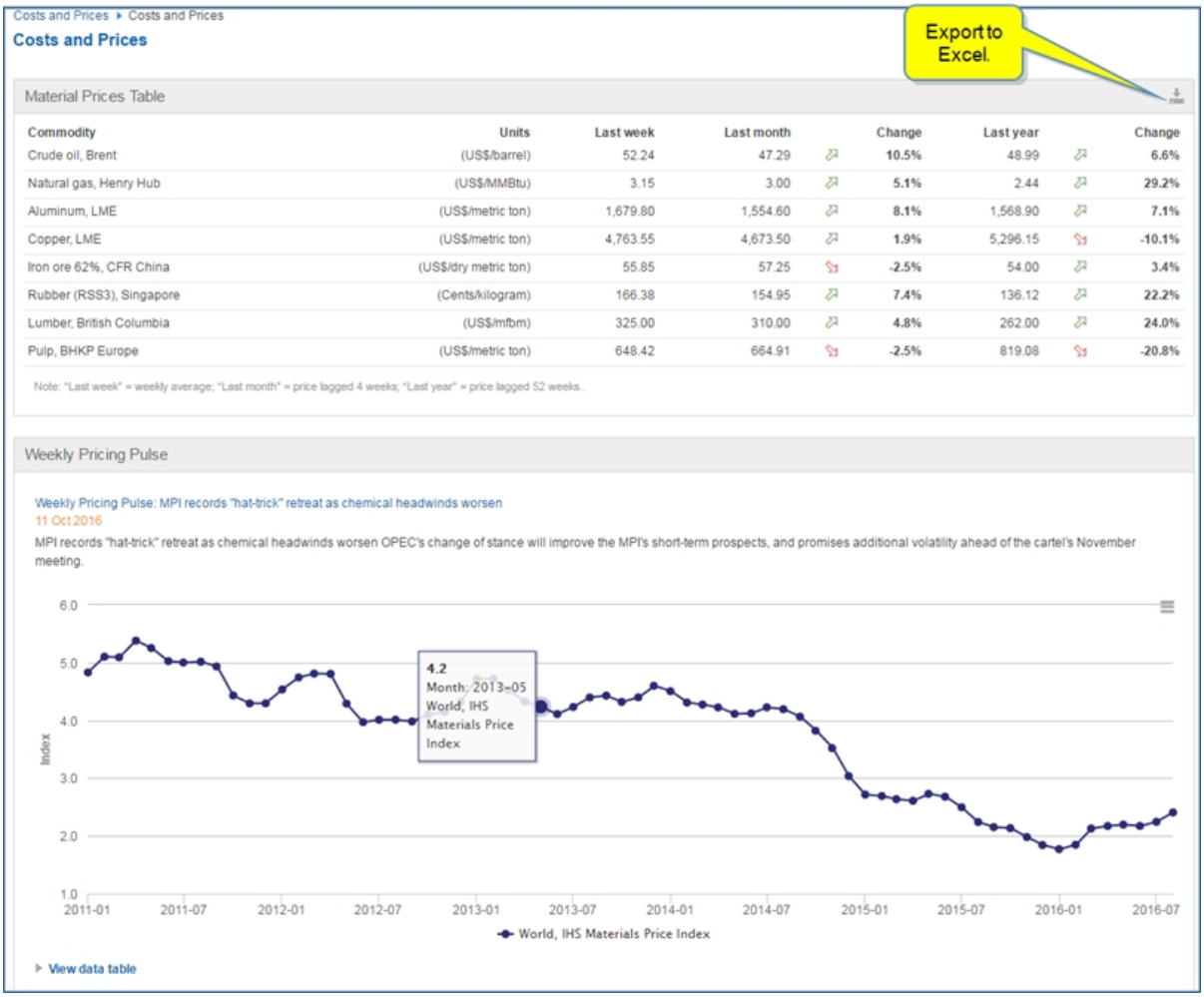
The **More** link on the Material Price Table module maximizes the table and displays a chart and data table for Weekly Pricing Pulse.



Materials Prices

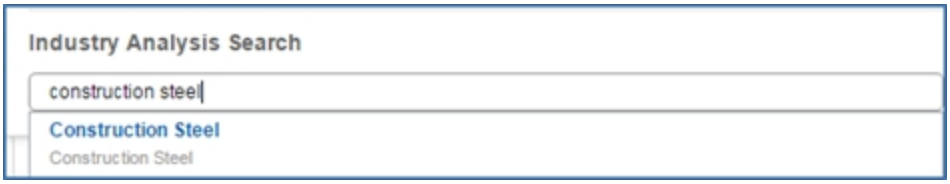
Materials Prices presents benchmark prices in tabular form. Key benchmark prices and trends that indicate how prices have been changing relative to the previous month are displayed in Material Prices Table. You can export the data to Excel.

The view, when you select Materials Prices, includes a table for the Weekly Pricing Pulse.

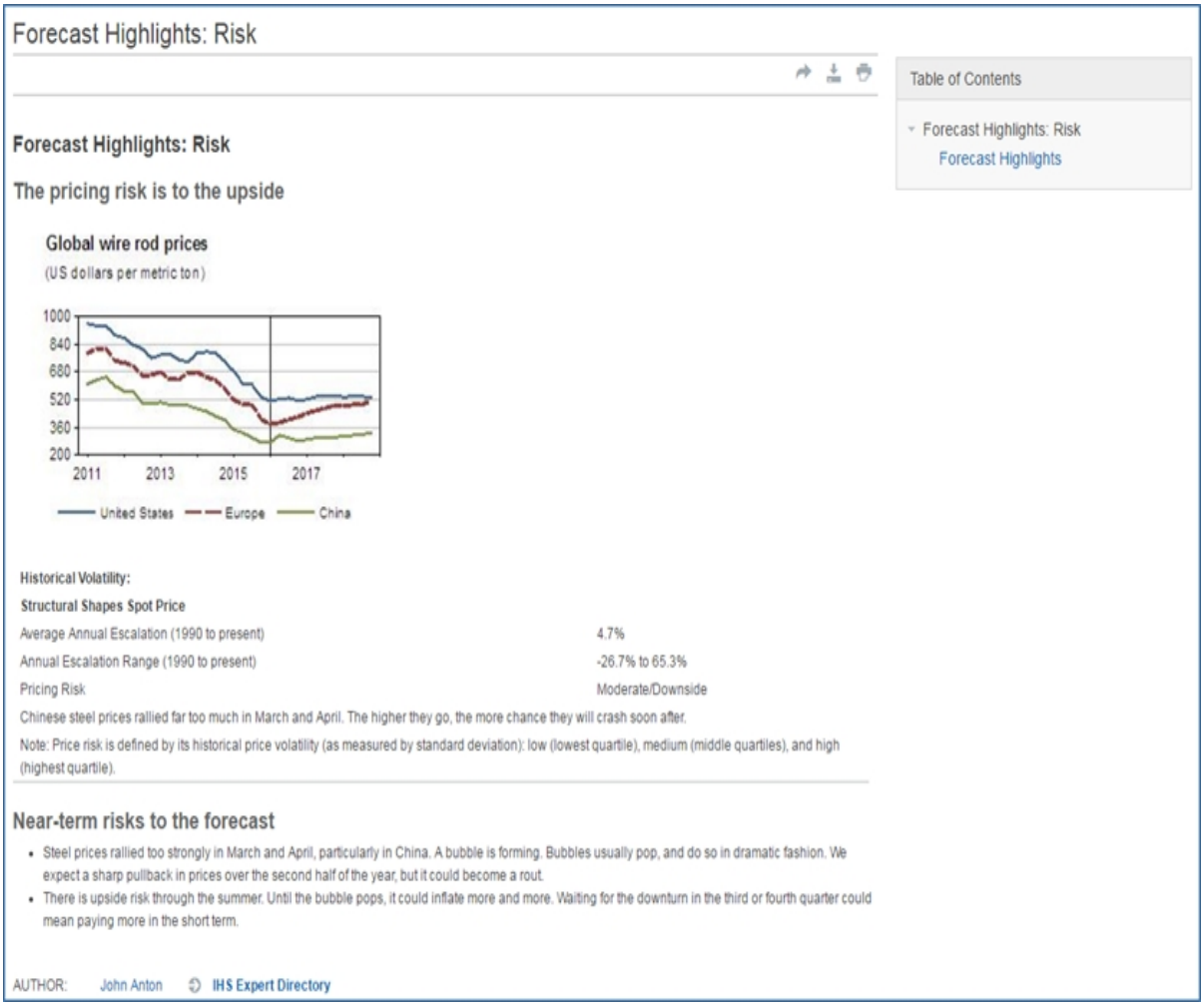


Industry Analysis Search

Begin typing an industry, such as "construction steel" in the field and select from the suggestions listed.



A Forecast Highlights: Risk document is displayed.



Tools

Cost Analyzer — The Cost Analyzer tool gives you the ability to review cost and price data from the IHS Pricing & Purchasing Service (PnP) and Chemical. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

Cost Analyzer provides access to thousands of global prices and wages allowing you to construct and save cost models or escalation indices that track product and input cost escalation. Use the consolidated search for forecasts detailing spot market prices, producer and consumer price indexes, and industry and occupational wages. You can easily build custom cost models and view or edit pre-populated cost models. You can also edit and rebuild models within the tool to create composite forecasts.

Once you create a model, you can store and retrieve it from My Connect, and share with colleagues.

For more information about Cost Analyzer, see About Cost Analyzer, Creating a Cost Analysis workbook, Viewing Cost Analysis query results, and Working with alloy cost models.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

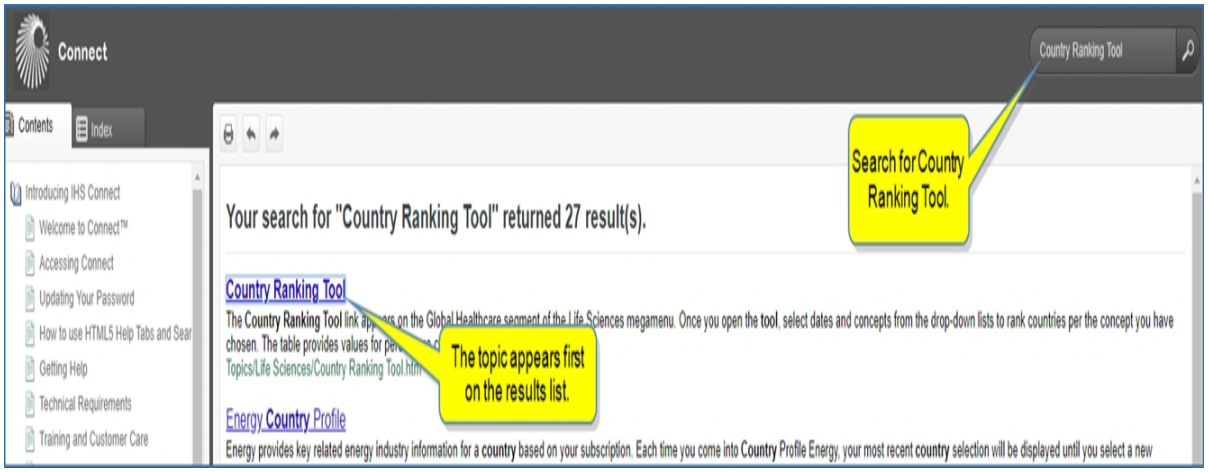
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



Related Products and Platforms

Country Risk link takes you to the Country Risk - Global page.

Chemical Price and Economics takes you to the Market Advisory Service topic on the Chemical Reports page.

Downstream Capital Costs takes you to the Costs page.

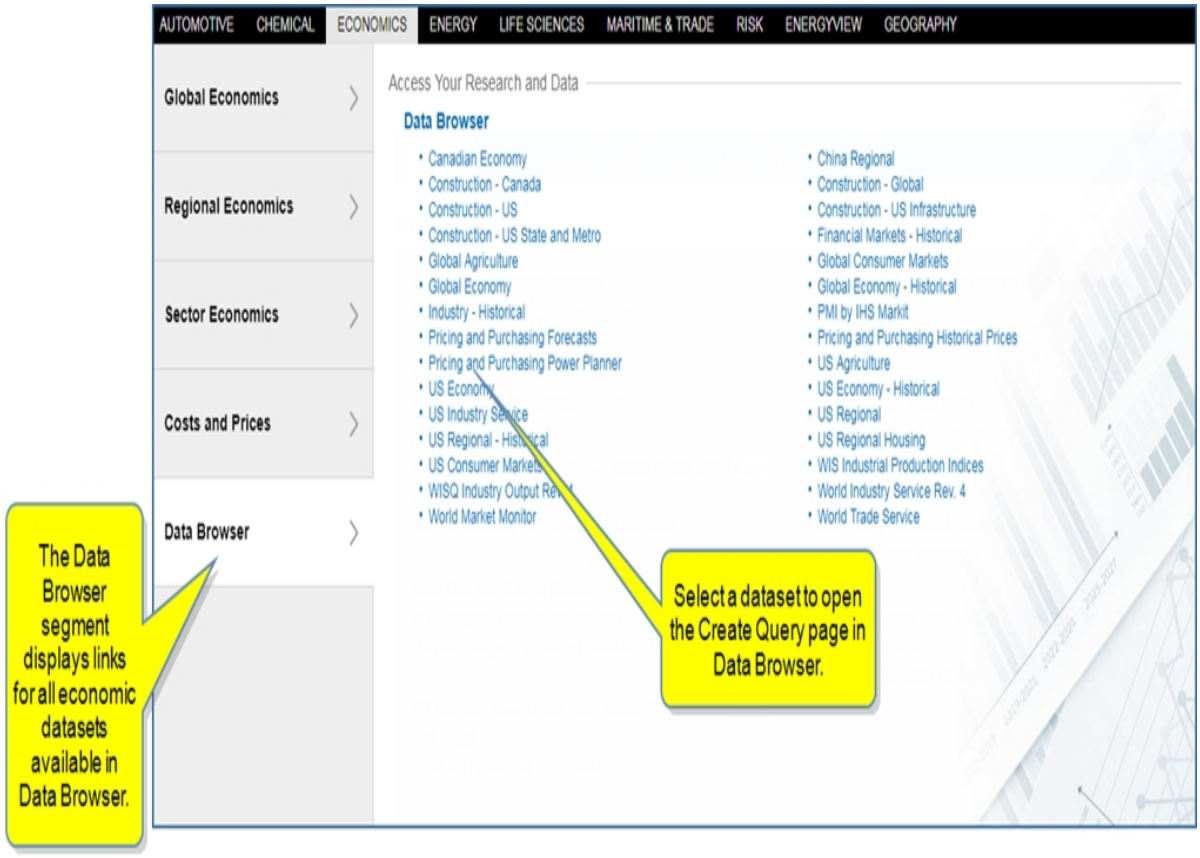
Upstream Costs and Technology takes you to Upstream Costs and Technology research.

IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to economics costs and prices.

Data Browser

Access all datasets for the economics industry through Data Browser. Read more information about the **Data Browser** tool and access links to help topics for **Data Browser** by clicking Tools here.



Tools

Data Browser — The Data Browser tool gives you the ability to select, view, manipulate, and save data series from the datasets to which you have subscribed. You can view the series in a Data Table and in the associated Chart, apply functions to the data, set date ranges, save the queries and the data series, export to Excel as a static file or refreshable file, refresh an Excel document, modify the chart, export the chart, or customize it in the Chart Editor. The tool gives you the ability to review cost and price data. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

For more information about Data Browser, see About Data Browser, Exporting a Static file or Refreshable file, Querying a dataset, and Viewing Data Series in the Data Table and Preview Chart.

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You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

Energy

Energy megamenu overview

The Energy megamenu—where you can access content for an entire workflow from the megamenu—provides intuitive access to all of your Energy research, data, and tools. If you are an Upstream Oil and Gas user, for example, you can find all research, insight, and attachments through the Upstream Oil and Gas segment and search across a workflow in one area or theme.

Four segments of energy appear in the left panel:

- Upstream Oil and Gas
- Oil Markets, Midstream, and Downstream
- Power, Gas, Coal, and Renewables
- Energy-Wide Perspectives

Links under Access Your Research and Data take you to capability pages that improve the Connect user experience with a clear navigation schema and a simplified Energy product structure. Enter a country in **Research a Country** at the bottom of the Access Your Research and Data panel to navigate to a country profile. Enter a company in **Research a Company** to navigate to a company profile page. Navigate to a Chemical product or market profiles in the Oil Markets, Midstream, and Downstream segment by entering a chemical in **Research a Chemical**. For more information about capability pages, see Layout and features of capabilities.

The Tools, Related Products & Platforms, and IHS Events in the right panel take you to analytical and forecasting aids that include data sets, tools, related products and platforms, and events. Note that in some instances, you may need to enter a user name and password to access a platform located outside of Connect.

Selecting Energy tools

E & P Ratings and Rankings, a tool listed on the **Upstream Oil and Gas** segment, takes you to the **Risks and Ratings** tool filtered for **E & P Ratings and Rankings**. Review the topic Risks and Ratings feature overview under the Tools chapter of this online help or the PDF help guide for more information.

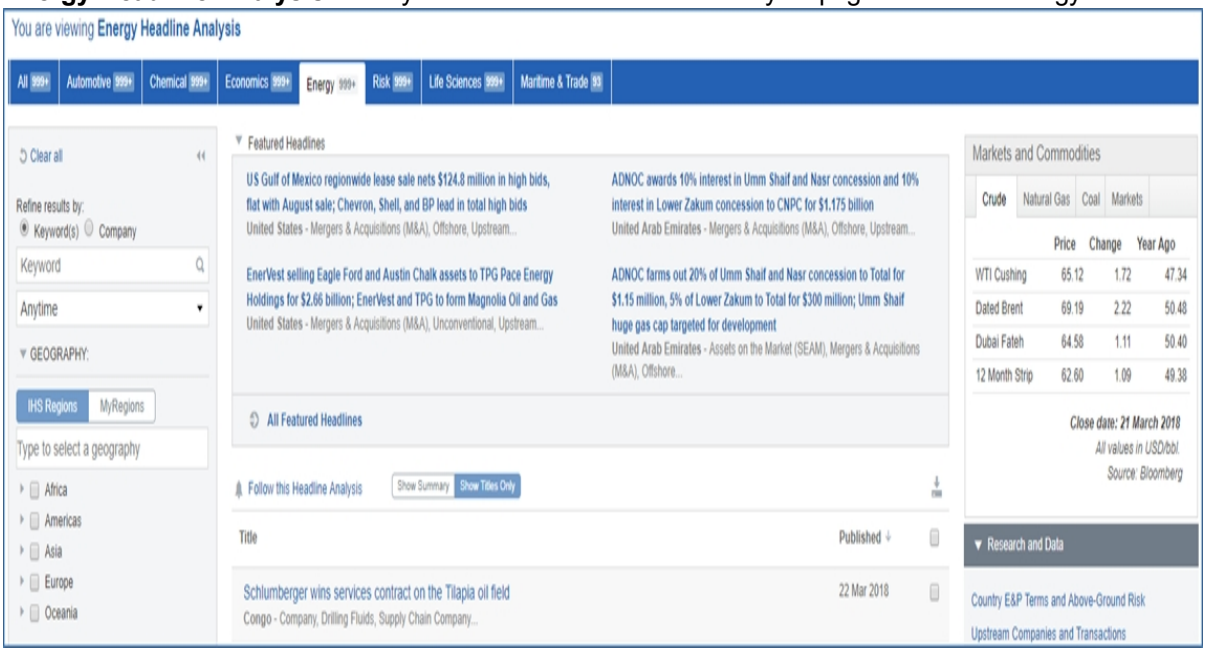
Map, a tool listed on the **Upstream Oil and Gas** segment, takes you to the Map tool. Review the topic Working with the Map under the Tools chapter of the online help or PDF help guide for more information.

Company Metrics, a tool listed on the **Upstream Oil and Gas** segment, takes you to the Company Metrics tool. Review the topics Company Metrics Overview, Building a query, Examples of reference links, Searching with Quick Searches, Setting email alerts for Company Metrics, and Working with the Results Table under the Tools chapter of this online help or the PDF help guide for more information.

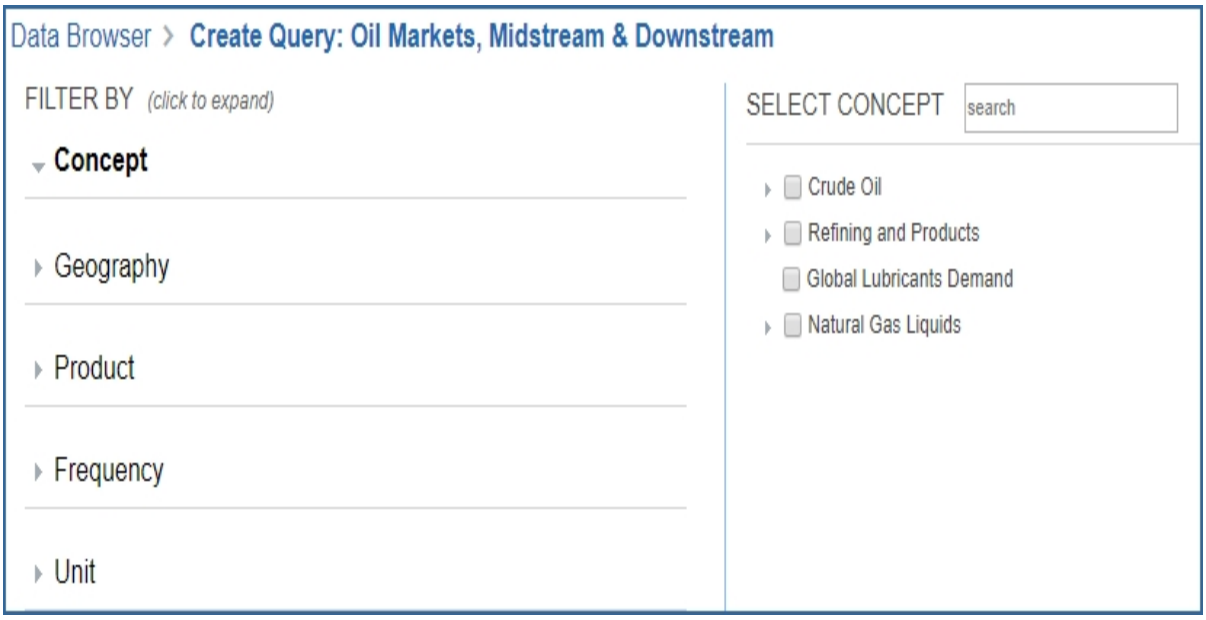
Transaction Analysis, a tool listed on the **Upstream Oil and Gas** segment, takes you to the Transaction Analysis tool. Review the topic Transaction Analysis under the Tools chapter of this online help or the PDF help guide for more information.

Assets on the Market, a tool listed on the **Upstream Oil and Gas** segment, takes you to the Assets on the Market tool. Review the topic Assets on the Market under the Tools chapter of this online help or the PDF help guide for more information.

Energy Headline Analysis takes you to the master Headline Analysis page filtered for Energy.



Oil Markets, Midstream & Downstream, a tool listed on the **Oil Markets, Midstream and Downstream** segment, takes you to the query page in Data Browser **Create Query: Oil Markets, Midstream & Downstream**.



Global Refineries, a tool listed on the **Oil Markets, Midsteam and Downstream** segment, takes you to the Global Refineries tool. Review the topic Global Refineries under the Tools chapter of this online help or the PDF help guide for more information.

Map a tool listed on the **Oil Markets, Midsteam and Downstream**, **Power, Gas, Coal, and Renewables**, and **Energy-Wide Perspectives** segments, takes you to the Map tool. Review the topic Working with the Map under the Tools chapter of this online help or the PDF help guide for more information.

Review further information about finding and accessing Tools below under Accessing information about tools.

Accessing information about tools

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You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

Upstream Oil and Gas

From the Upstream Oil and Gas segment, access the following four capabilities as well as other related elements. Each item is linked to further description down the page.

- Country E&P Terms and Above-Ground Risk
- Plays and Basins
- Costs and Technology
- Companies and Transactions
- Research a Country
- Research a Company
- Tools
- Upstream Oil and Gas
- Upstream Oil and Gas

See Layout and features of capabilities for detailed information and illustrations.

To find and access energy tools, review the Energy megamenu overview and the heading Accessing information about tools below.

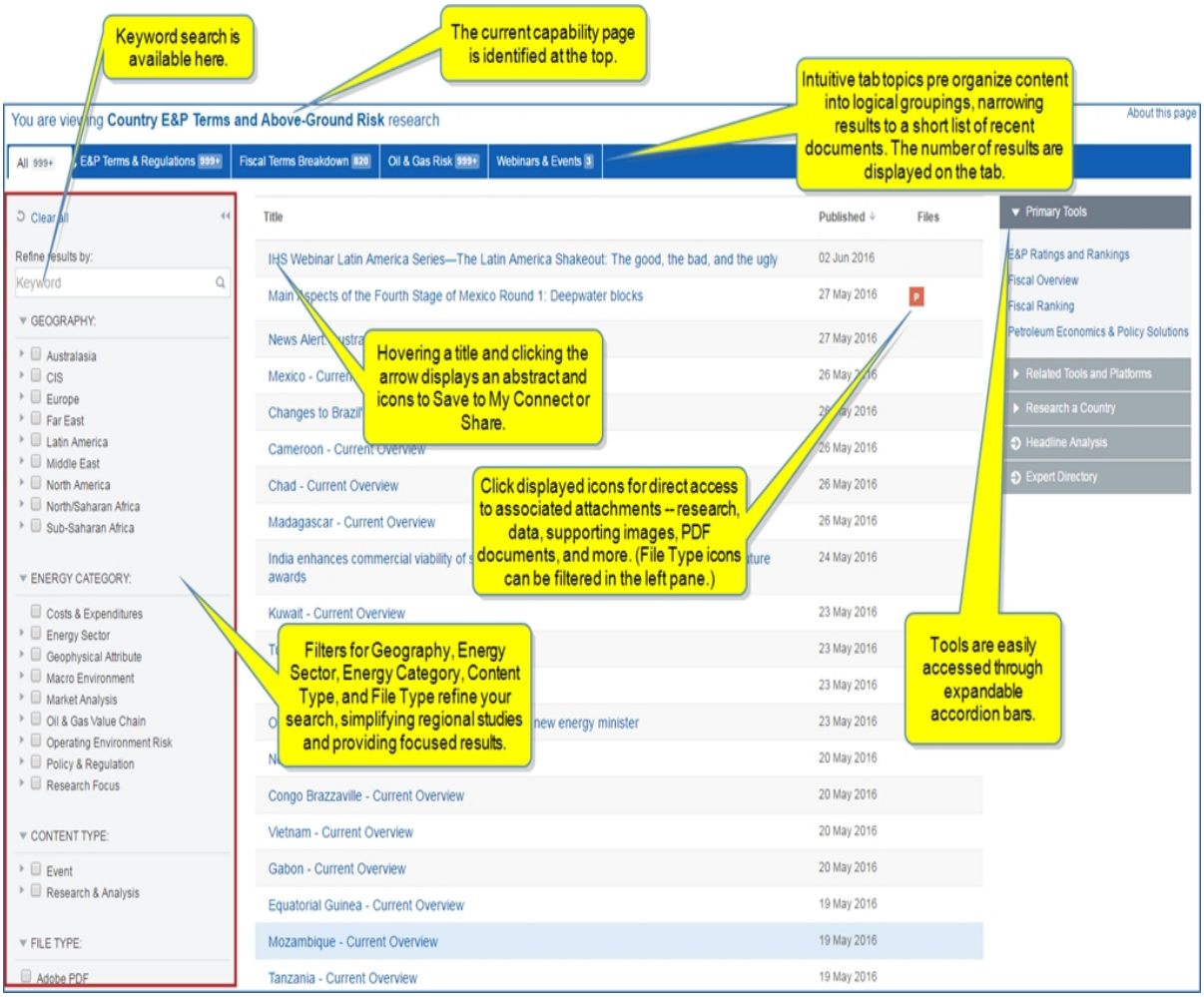
Capabilities content areas

Each of the four headings on the Upstream Oil and Gas segment takes you to content groupings based on intuitive logic. Content is further focused with tabs that pre organize capability content and narrow documents to a shorter list defaulting to chronological date sort order. The tab grouping provides fast-scanning and endless scrolling.

Country E&P Terms and Above-Ground Risk

Country E&P Terms and Above-Ground Risk research focuses content under the following tabs:

- E&P Terms & Regulations
- Fiscal Terms Breakdown
- Oil & Gas Risk
- Webinars & Events

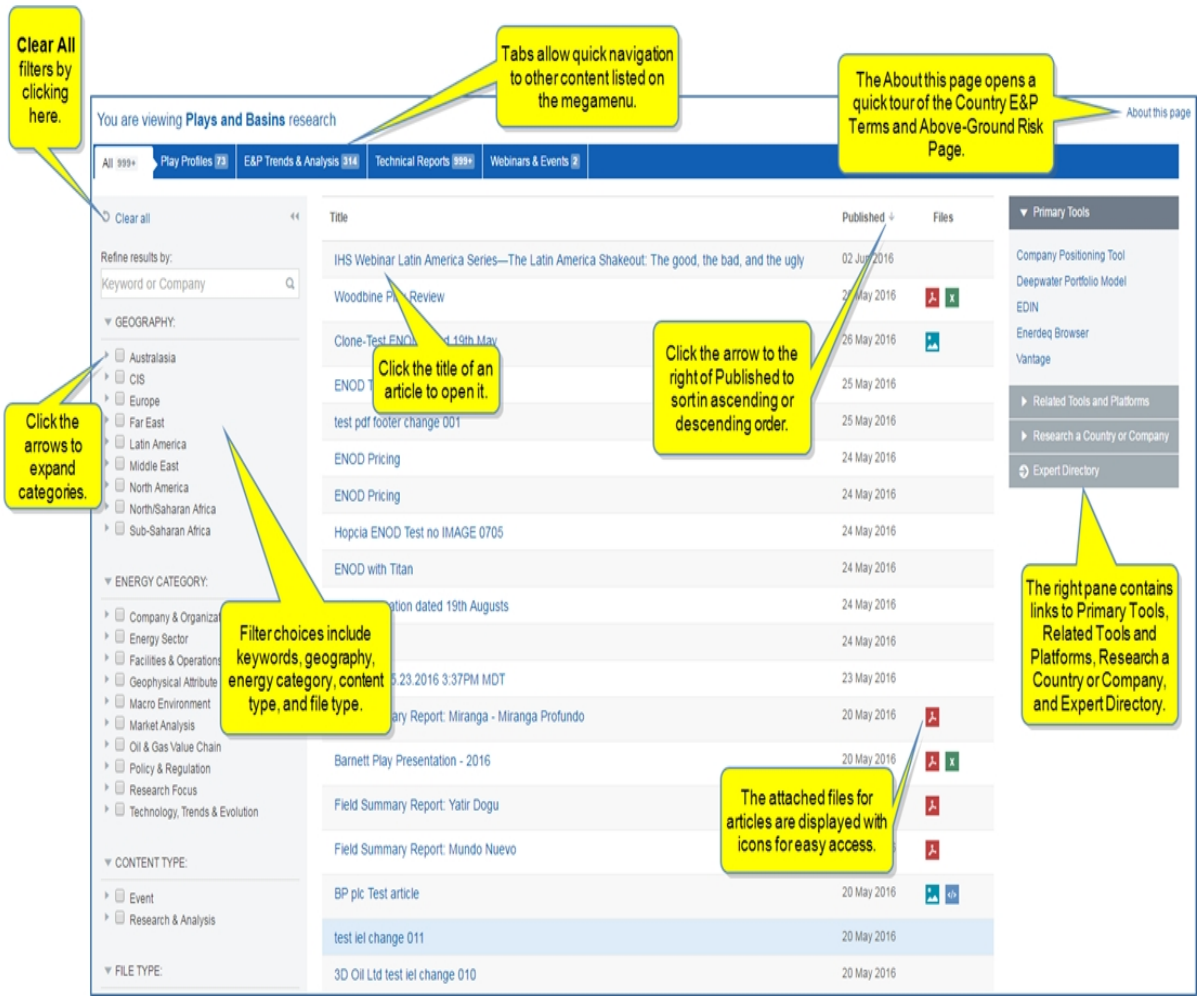


See Layout and features of capabilities for more detailed information and illustration.

Plays and Basins

Plays and Basins research focuses content under the following tabs:

- Play Profiles
- E&P Trends & Analysis
- Technical Reports
- Webinars & Events

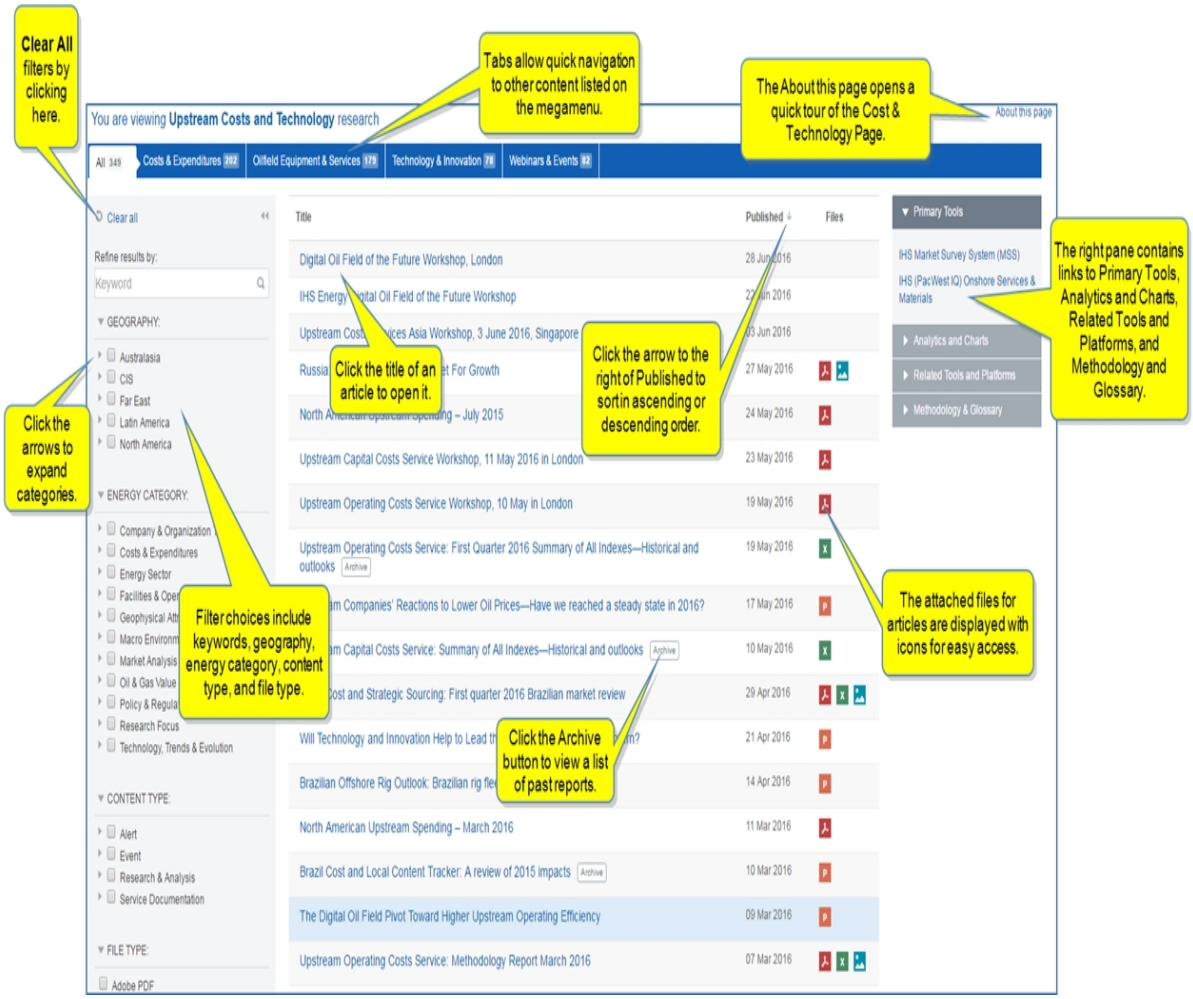


See Layout and features of capabilities for detailed information and illustration.

Costs and Technology

Upstream Costs and Technology research focuses content under the following tabs:

- Costs & Expenditures
- Oilfield Equipment & Services
- Technology & Innovation
- Webinars & Events

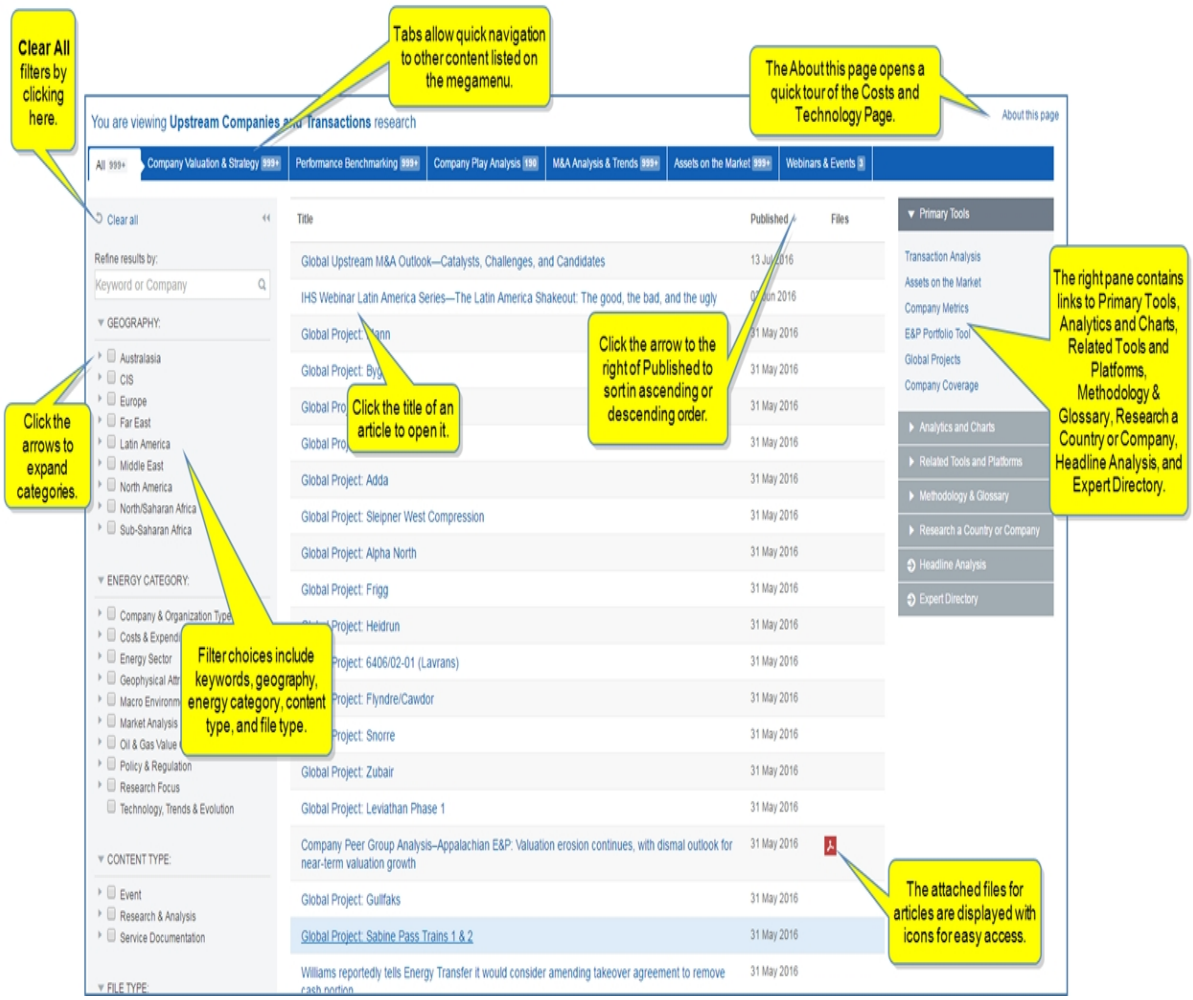


See Layout and features of capabilities for detailed information and illustration.

Companies and Transactions

Upstream Companies and Transactions research focuses content under the following tabs:

- Company Valuation & Strategy
- Performance Benchmarking
- Company Play Analysis
- M&A Analysis & Trends
- Assets on the Market
- Webinars & Events



See Layout and features of capabilities for detailed information and illustration.

Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

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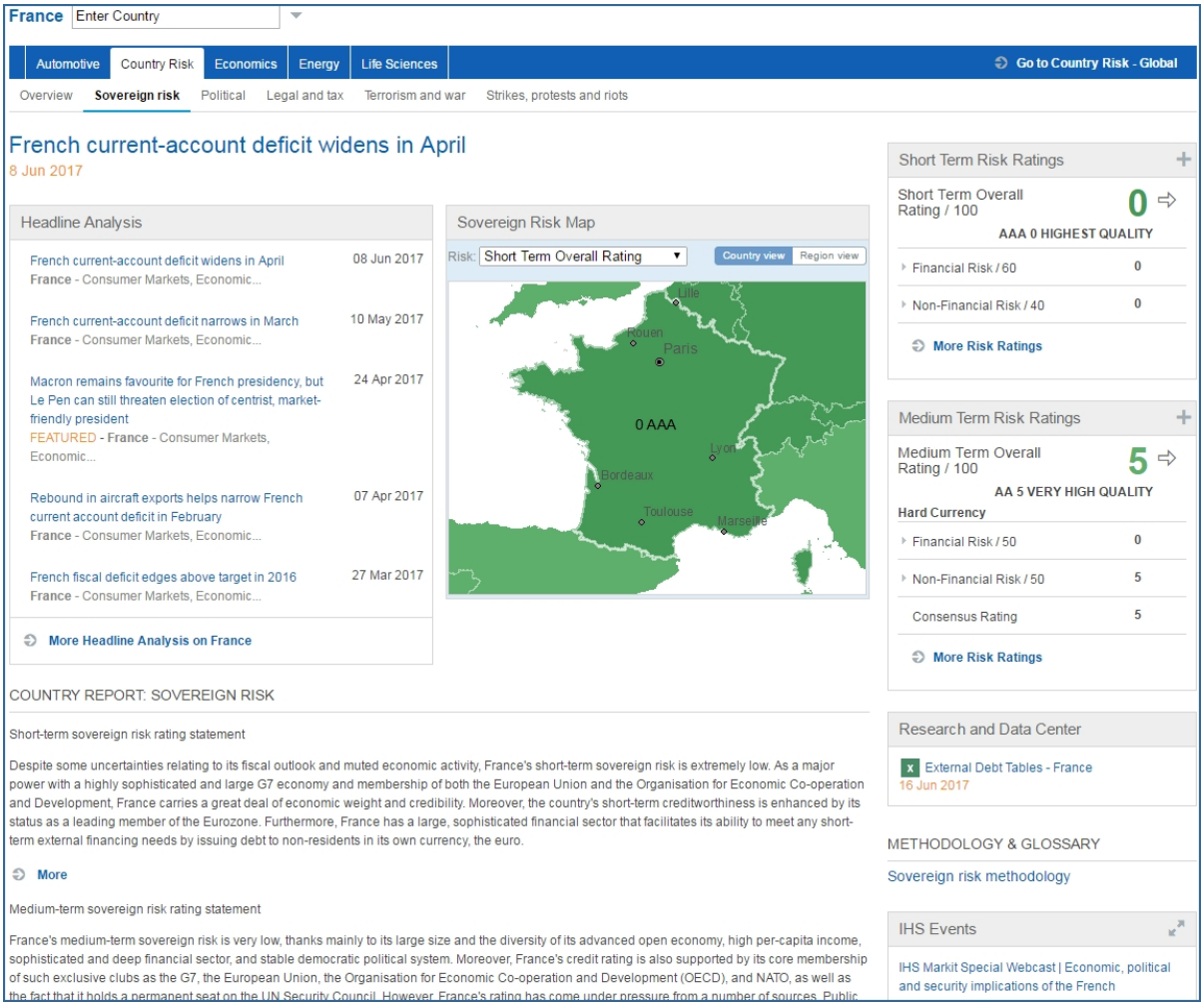

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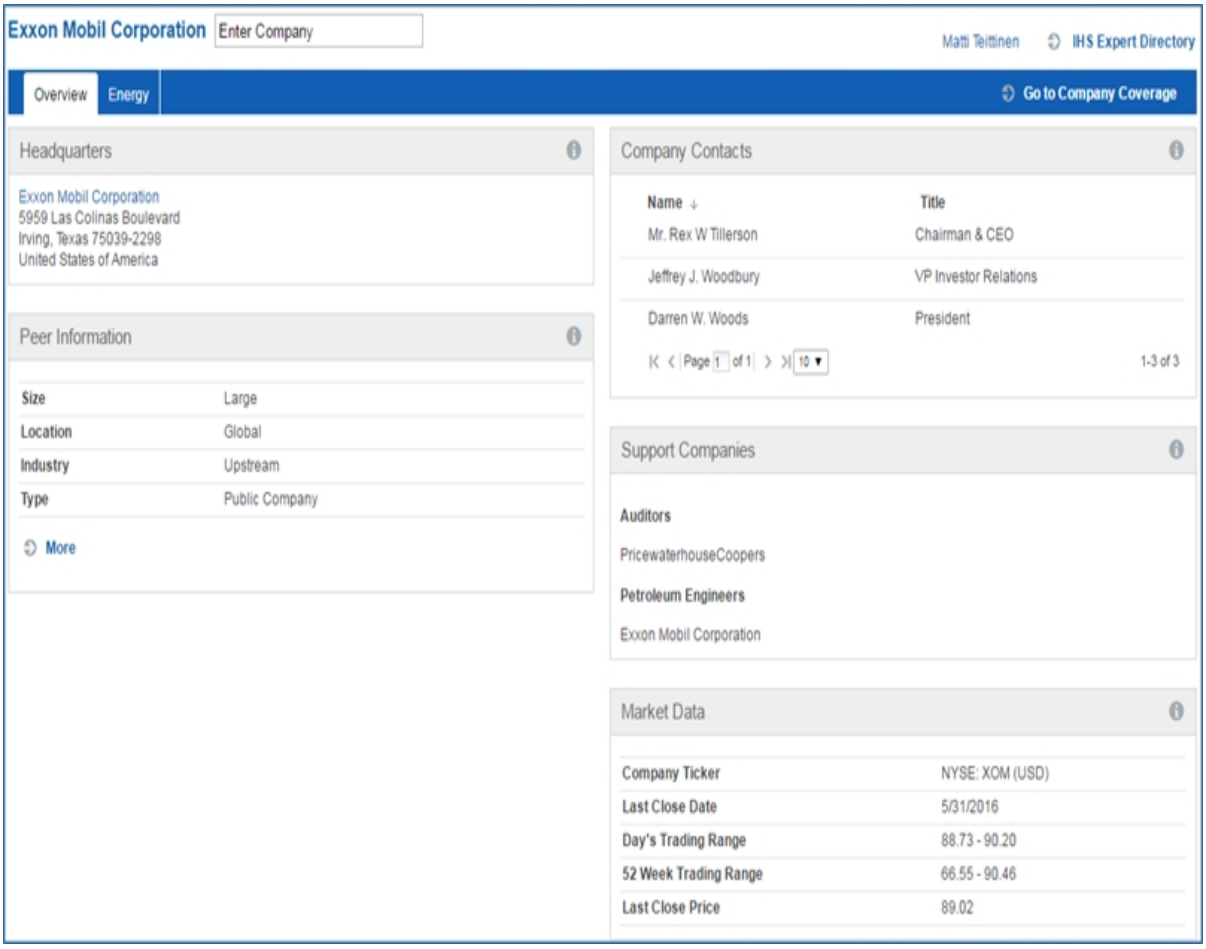


Tools

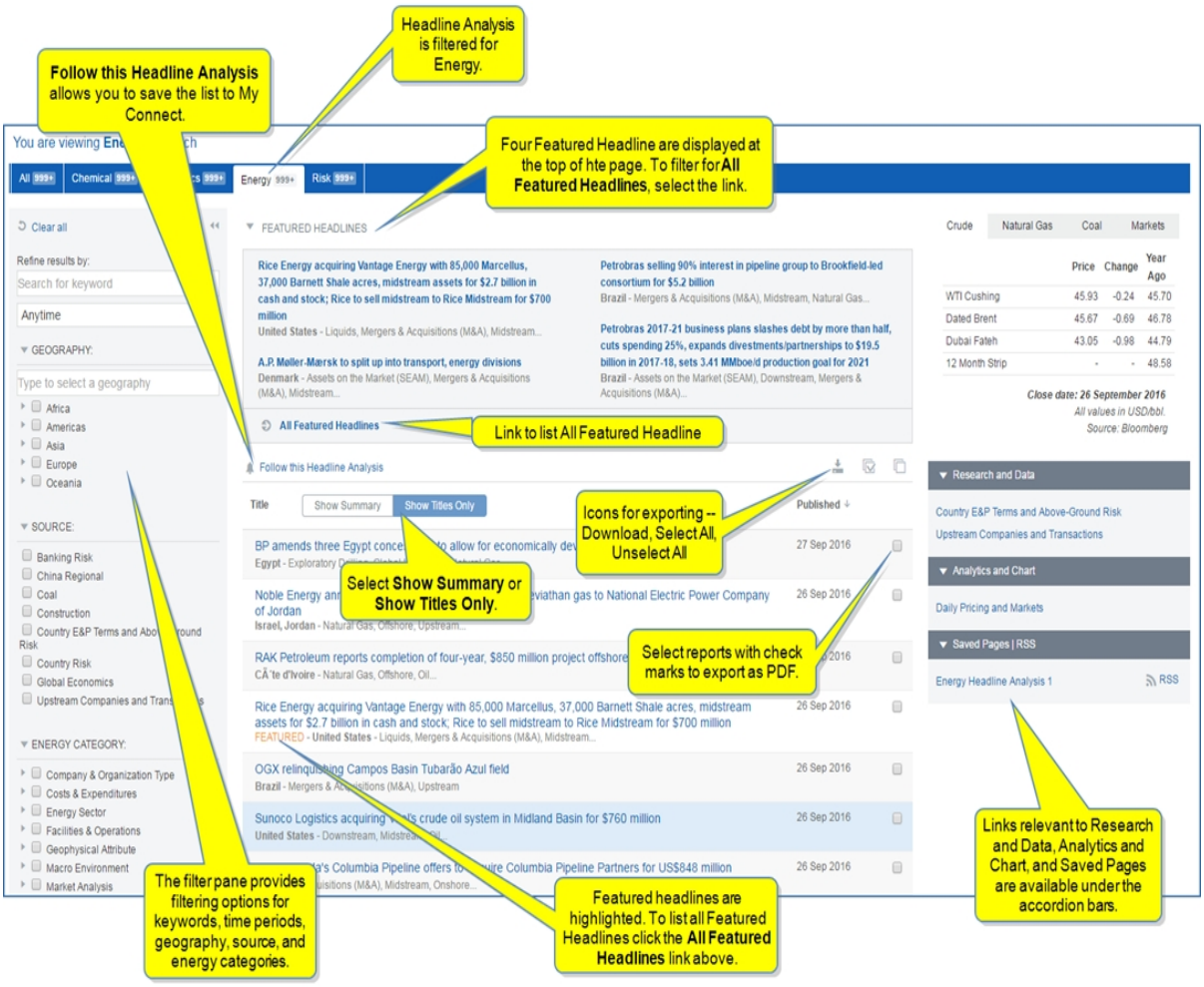
Linked tools are available in the right pane of the Upstream Oil & Gas megamenu.

E&P Ratings and Rankings opens Risks and Ratings tool with focus on E&P Ratings and Rankings.

Map opens the Map tool for geographical illustrations of oil markets, midstream, and downstream information that includes intelligence and terror risks. (You can reach the Map tool from the Menu Bar or within the Tools pane for relevant megamenu and segment pages.)

Company Metrics opens the Company Metrics tool—create a query, view, and manipulate company financial data in a results table.

Energy Headline Analysis takes you to Headline Analysis filtered for Energy.



Accessing information about tools

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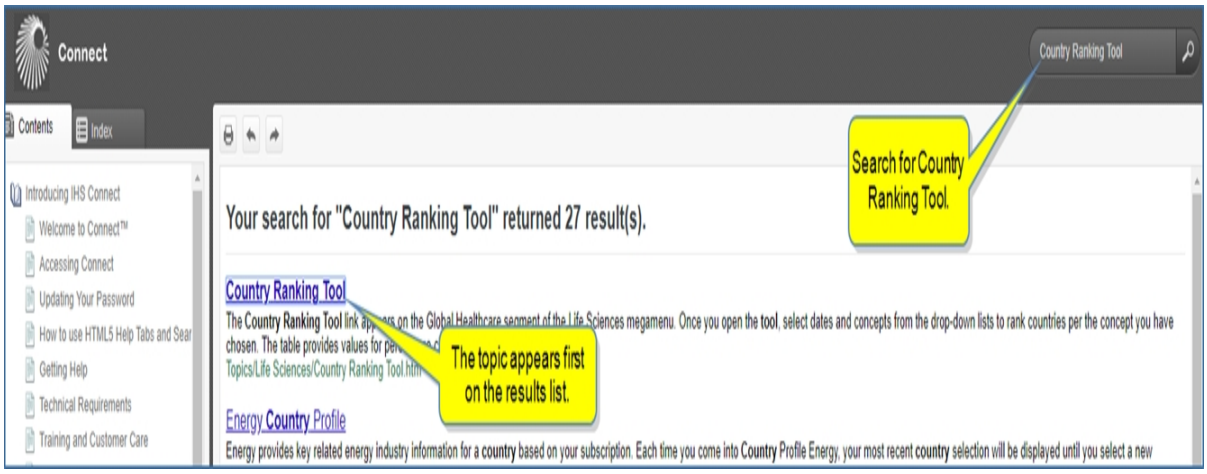


Oil Markets, Midstream, and Downstream

From the Oil Markets, Midstream, and Downstream segment, access the following four capabilities as well as other related elements. Each item is linked to further description down the page.

- Crude Oil Markets
- Midstream Oil and NGL
- Refining and Marketing
- Company Strategies and Performance
- Research a Country
- Research a Company
- Oil Markets, Midstream, and Downstream
- Oil Markets, Midstream, and Downstream
- Oil Markets, Midstream, and Downstream

See Layout and features of capabilities for detailed information and illustrations.

To find and access energy tools, review the Energy megamenu overview and the heading Accessing information about tools below.

Capabilities content areas

Each of the four headings on the Oil Markets, Midstream, and Downstream segment takes you to content groupings based on intuitive logic. Content is further focused with tabs that pre organize capability content and narrow documents to a shorter list defaulting to chronological date sort order. The tab grouping provides fast-scanning and endless scrolling.

Crude Oil Markets

The Crude Oil Markets module allows users to see crude production, pricing, and trade data in an easy to use format that is easily exportable.

Midstream Oil and NGL

Midstream Oil and NGLs research focuses content under the following tabs:

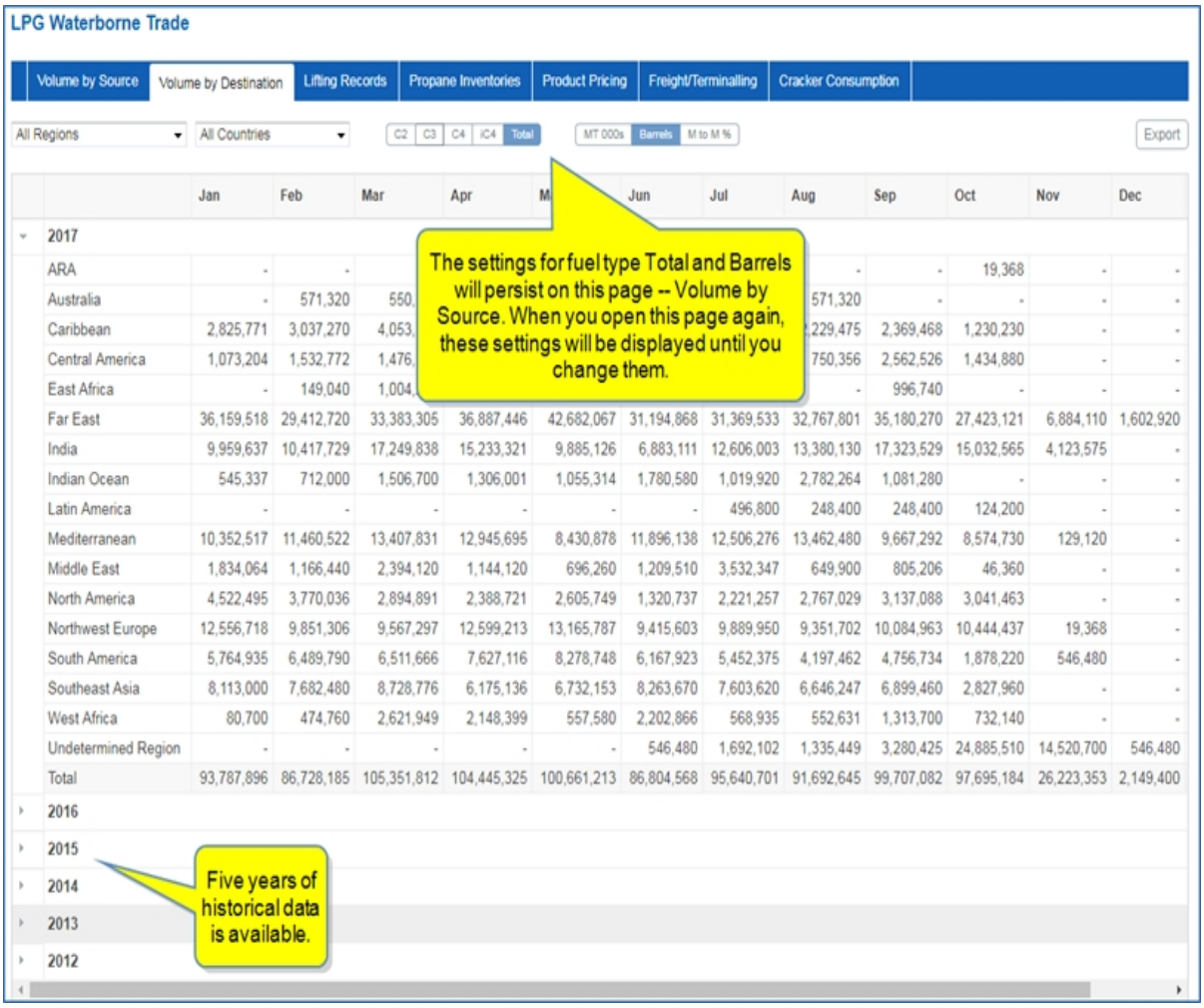
- Waterborne LPG
- NGL Economics Weekly
- Short-Term Outlook
- Long-Term Outlook;NGL Perspectives
- Midstream Infrastructure Update
- Petrochemical Feedstocks
- Webinars & Events

LPG Waterborne Trade (access under Primary Tools in the right pane under the Waterborne LPG tab of Midstream Oil and NGLs research) enhancements now allow five years of historical data on Volume by Source, Volume by Destination, Lifting Records, Spot Prices, Contract prices, Margin, Freight Rate/Terminalling: Freight Rates, and VLGC Benchmark.

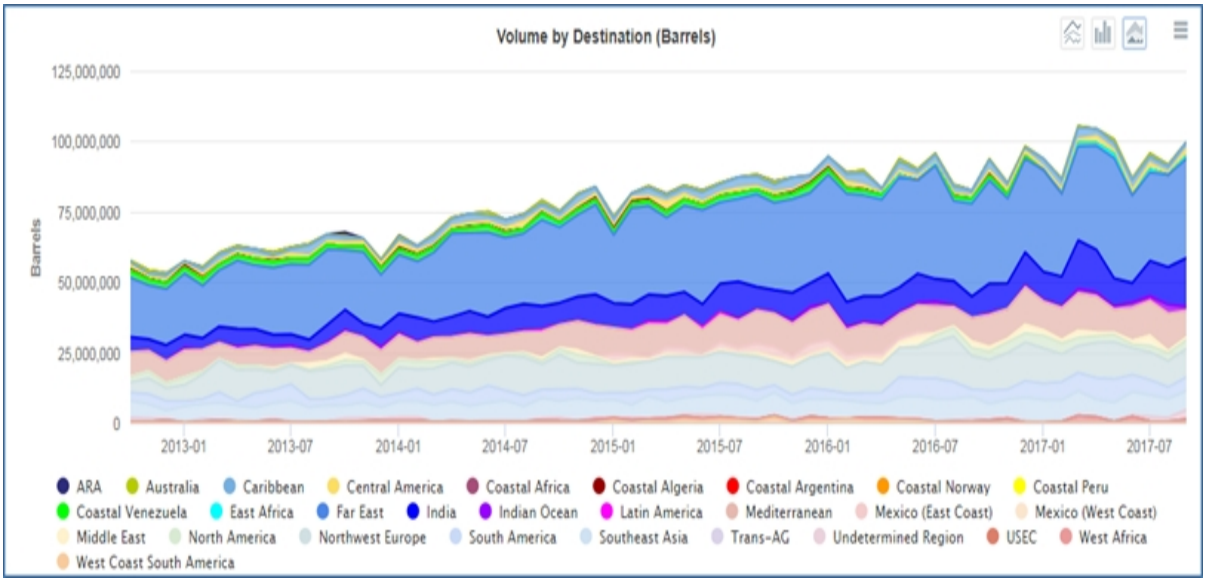
When you select units (MT 000s, Barrels, or M to M %), your selection will persist on subsequent visits and between tabs.

The views for Volume by Source and Volume by Destination geography specific tables are simplified; however, full data is available on export to Excel.

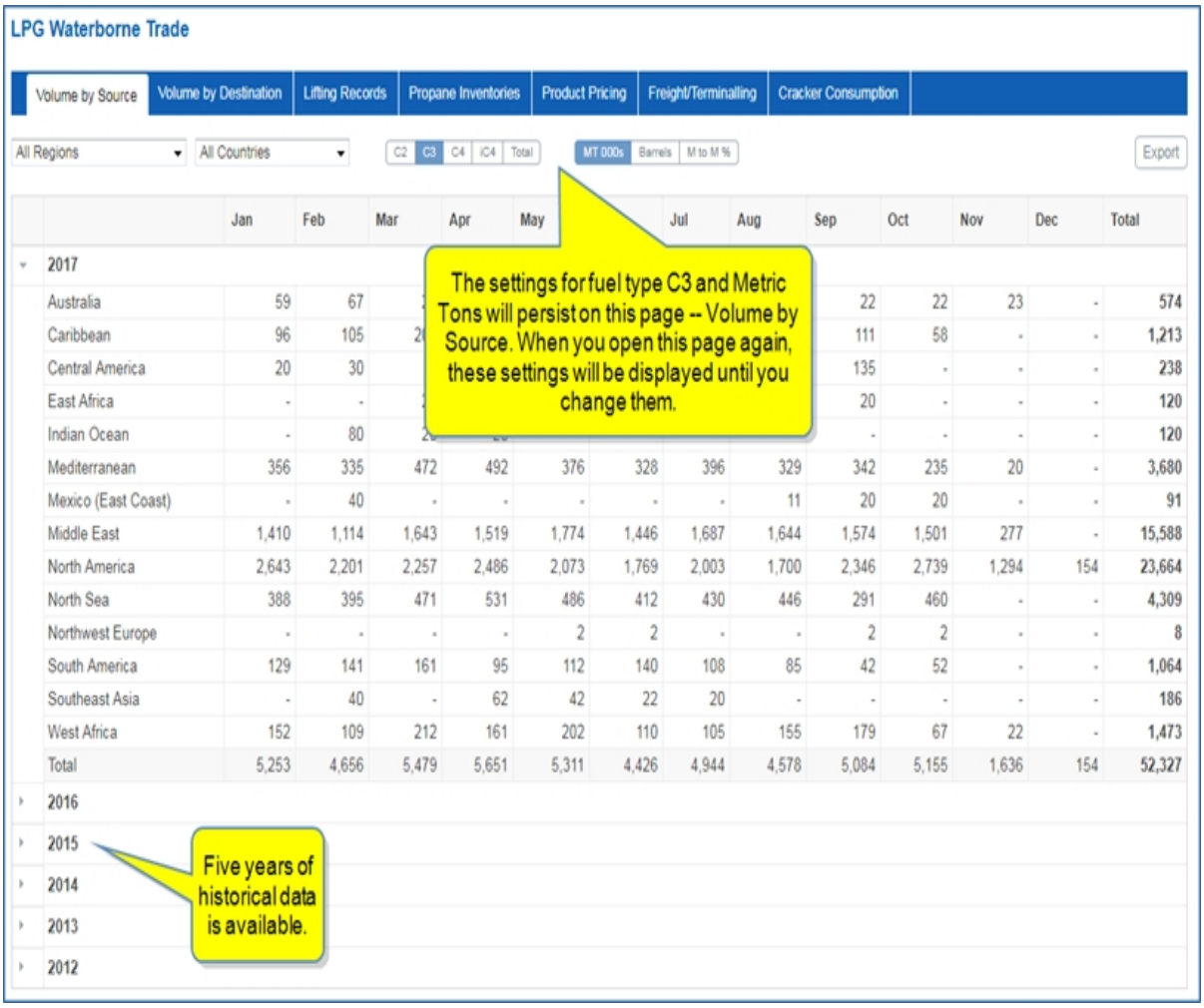
Volume by Destination



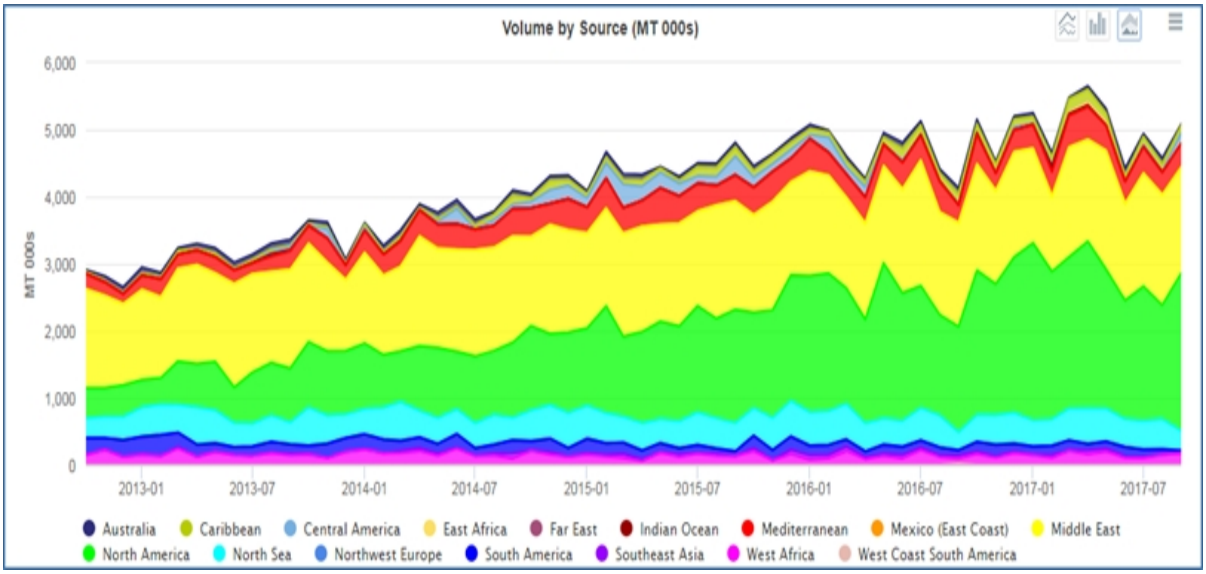
	Jan	Feb	Mar	Apr	M	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017												
ARA	-	-						-	-	19,368	-	-
Australia	-	571,320	550					571,320	-	-	-	-
Caribbean	2,825,771	3,037,270	4,053					,229,475	2,369,468	1,230,230	-	-
Central America	1,073,204	1,532,772	1,476					750,356	2,562,526	1,434,880	-	-
East Africa	-	149,040	1,004					-	996,740	-	-	-
Far East	36,159,518	29,412,720	33,383,305	36,887,446	42,682,067	31,194,868	31,369,533	32,767,801	35,180,270	27,423,121	6,884,110	1,602,920
India	9,959,637	10,417,729	17,249,838	15,233,321	9,885,126	6,883,111	12,606,003	13,380,130	17,323,529	15,032,565	4,123,575	-
Indian Ocean	545,337	712,000	1,506,700	1,306,001	1,055,314	1,780,580	1,019,920	2,782,264	1,081,280	-	-	-
Latin America	-	-	-	-	-	-	496,800	248,400	248,400	124,200	-	-
Mediterranean	10,352,517	11,460,522	13,407,831	12,945,695	8,430,878	11,896,138	12,506,276	13,462,480	9,667,292	8,574,730	129,120	-
Middle East	1,834,064	1,166,440	2,394,120	1,144,120	696,260	1,209,510	3,532,347	649,900	805,206	46,360	-	-
North America	4,522,495	3,770,036	2,894,891	2,388,721	2,605,749	1,320,737	2,221,257	2,767,029	3,137,088	3,041,463	-	-
Northwest Europe	12,556,718	9,851,306	9,567,297	12,599,213	13,165,787	9,415,603	9,889,950	9,351,702	10,084,963	10,444,437	19,368	-
South America	5,764,935	6,489,790	6,511,666	7,627,116	8,278,748	6,167,923	5,452,375	4,197,462	4,756,734	1,878,220	546,480	-
Southeast Asia	8,113,000	7,682,480	8,728,776	6,175,136	6,732,153	8,263,670	7,603,620	6,646,247	6,899,460	2,827,960	-	-
West Africa	80,700	474,760	2,621,949	2,148,399	557,580	2,202,866	568,935	552,631	1,313,700	732,140	-	-
Undetermined Region	-	-	-	-	-	546,480	1,692,102	1,335,449	3,280,425	24,885,510	14,520,700	546,480
Total	93,787,896	86,728,185	105,351,812	104,445,325	100,661,213	86,804,568	95,640,701	91,692,645	99,707,082	97,695,184	26,223,353	2,149,400
2016												
2015												
2014												
2013												
2012												



Volume by Source



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2017													
Australia	59	67							22	22	23	-	574
Caribbean	96	105							111	58	-	-	1,213
Central America	20	30							135	-	-	-	238
East Africa	-	-							20	-	-	-	120
Indian Ocean	-	80							-	-	-	-	120
Mediterranean	356	335	472	492	376	328	396	329	342	235	20	-	3,680
Mexico (East Coast)	-	40	-	-	-	-	-	11	20	20	-	-	91
Middle East	1,410	1,114	1,643	1,519	1,774	1,446	1,687	1,644	1,574	1,501	277	-	15,588
North America	2,643	2,201	2,257	2,486	2,073	1,769	2,003	1,700	2,346	2,739	1,294	154	23,664
North Sea	388	395	471	531	486	412	430	446	291	460	-	-	4,309
Northwest Europe	-	-	-	-	2	2	-	-	2	2	-	-	8
South America	129	141	161	95	112	140	108	85	42	52	-	-	1,064
Southeast Asia	-	40	-	62	42	22	20	-	-	-	-	-	186
West Africa	152	109	212	161	202	110	105	155	179	67	22	-	1,473
Total	5,253	4,656	5,479	5,651	5,311	4,426	4,944	4,578	5,084	5,155	1,636	154	52,327
2016													
2015													
2014													
2013													
2012													

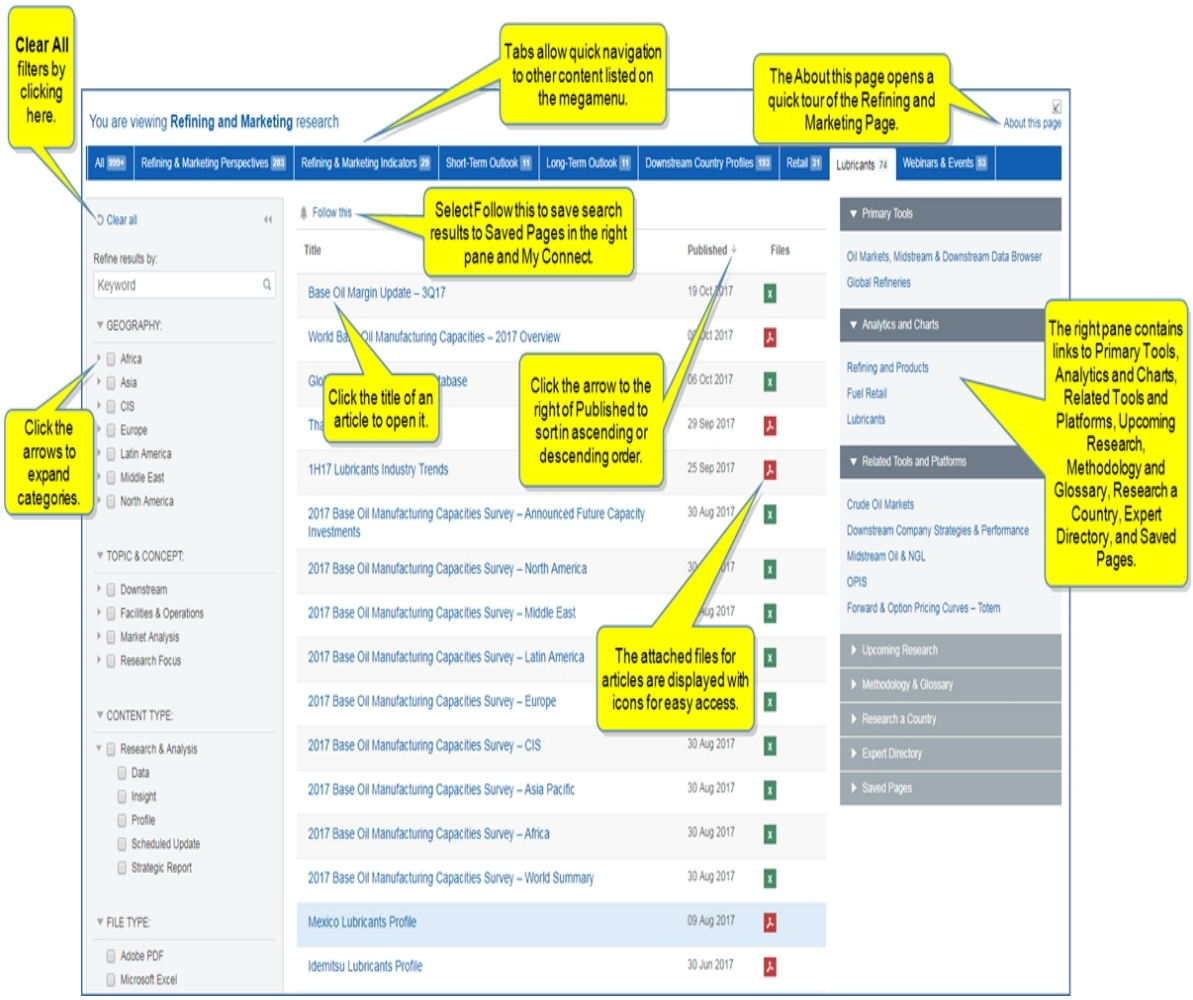


See Layout and features of capabilities for more detailed information and illustration.

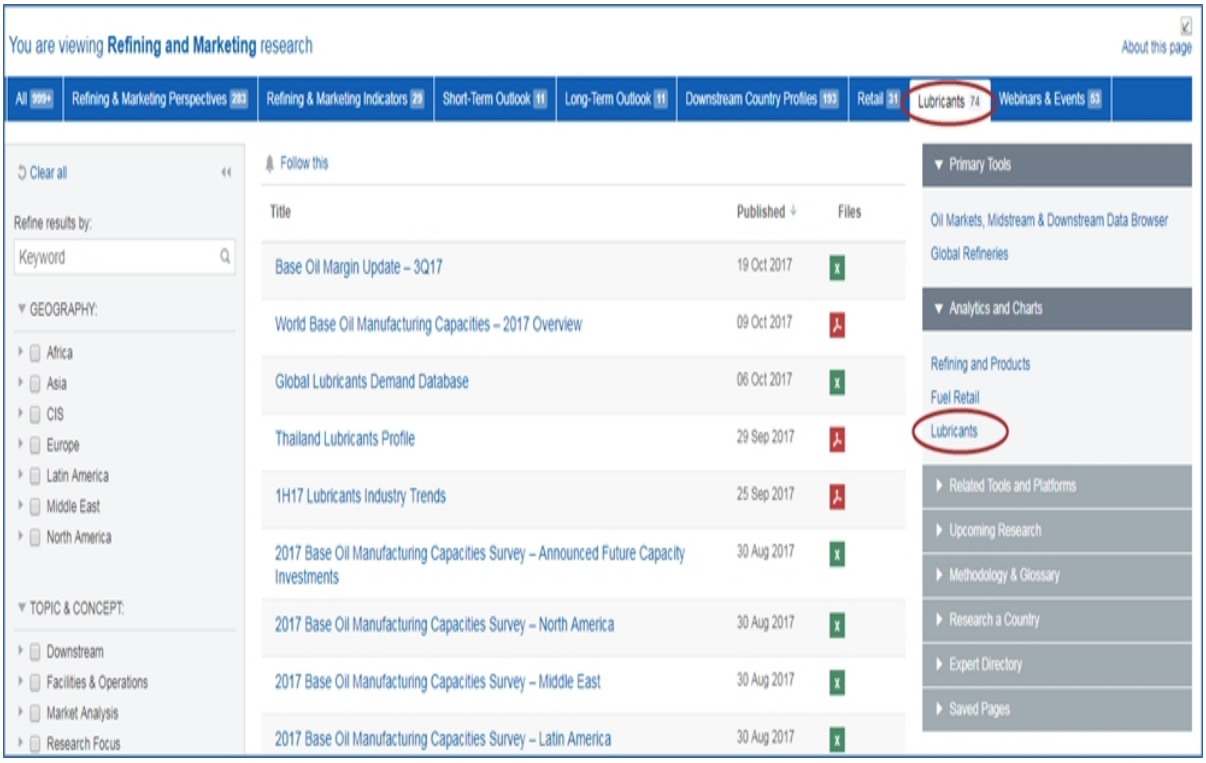
Refining and Marketing

Refining and Market research focuses content under the following tabs:

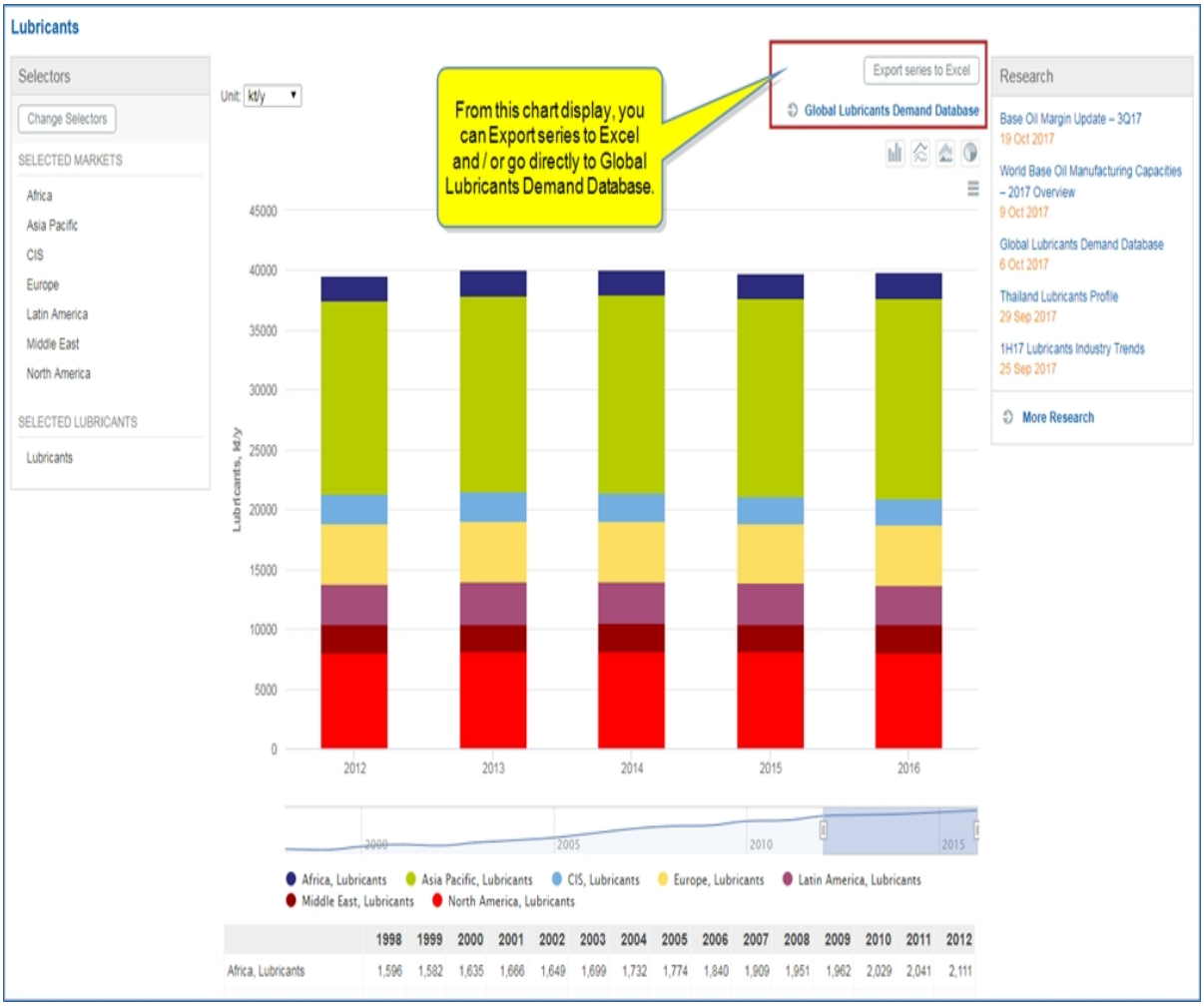
- Refining & Marketing Perspectives
- Refining & Marketing Indicators
- Short-Term Outlook
- Long-Term Outlook
- Downstream Country Profiles
- Retail
- Lubricants
- Webinars & Events



Note: Under the Lubricants tab, the **Analytics and Charts** accordion ribbon in the right pane, when expanded, displays a link for **Lubricants**.



When you click the **Lubricants** link, a chart is displayed. Note that you can go directly to the **Global Lubricants Demand Database** on this page. You can also **Export series to Excel**.

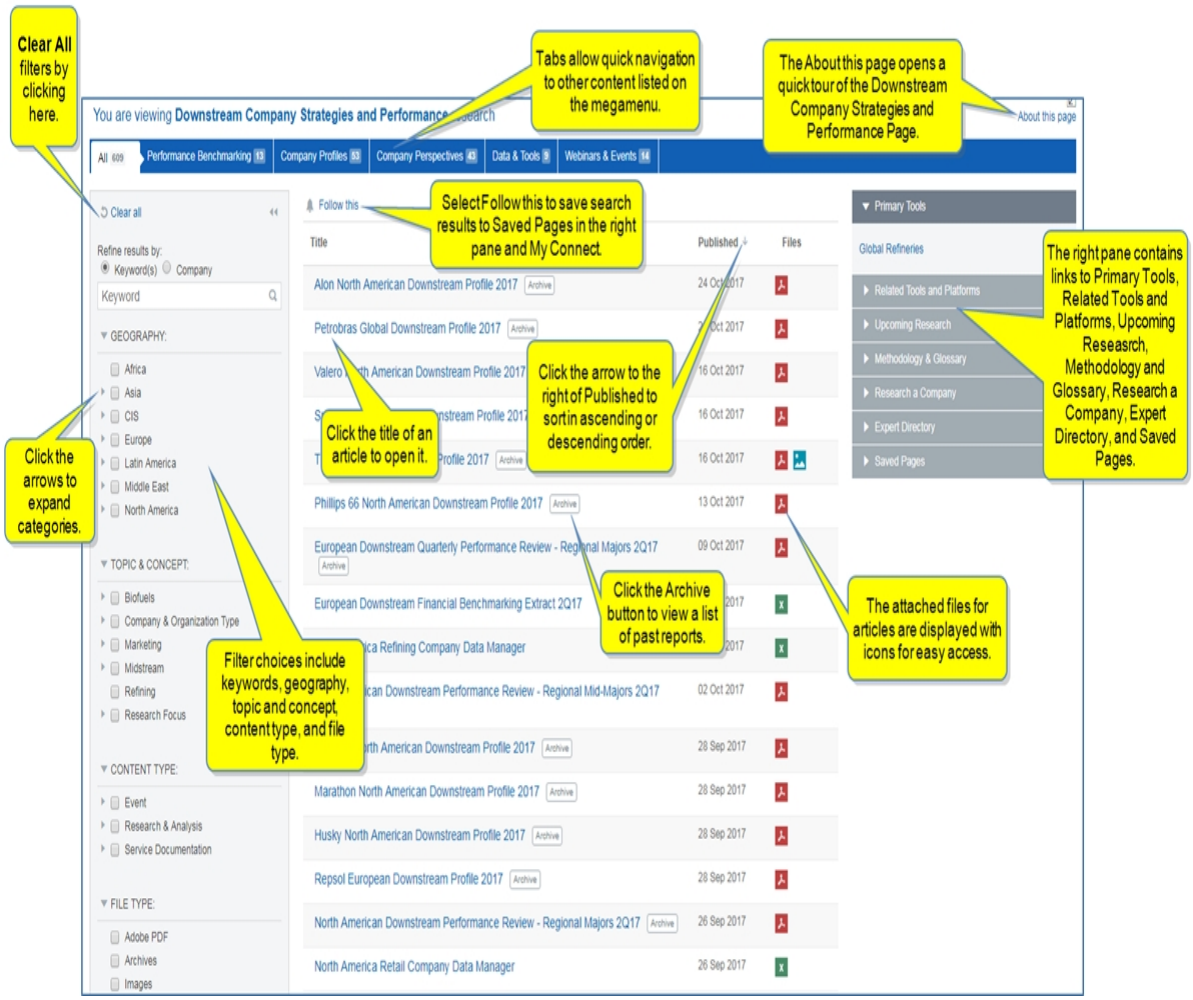


See Layout and features of capabilities for more detailed information and illustration.

Company Strategies and Performance

Downstream Company Strategies and Performance research focuses content under the following tabs:

- Performance Benchmarking
- Company Profiles
- Company Perspectives
- Data & Tools
- Webinars & Events



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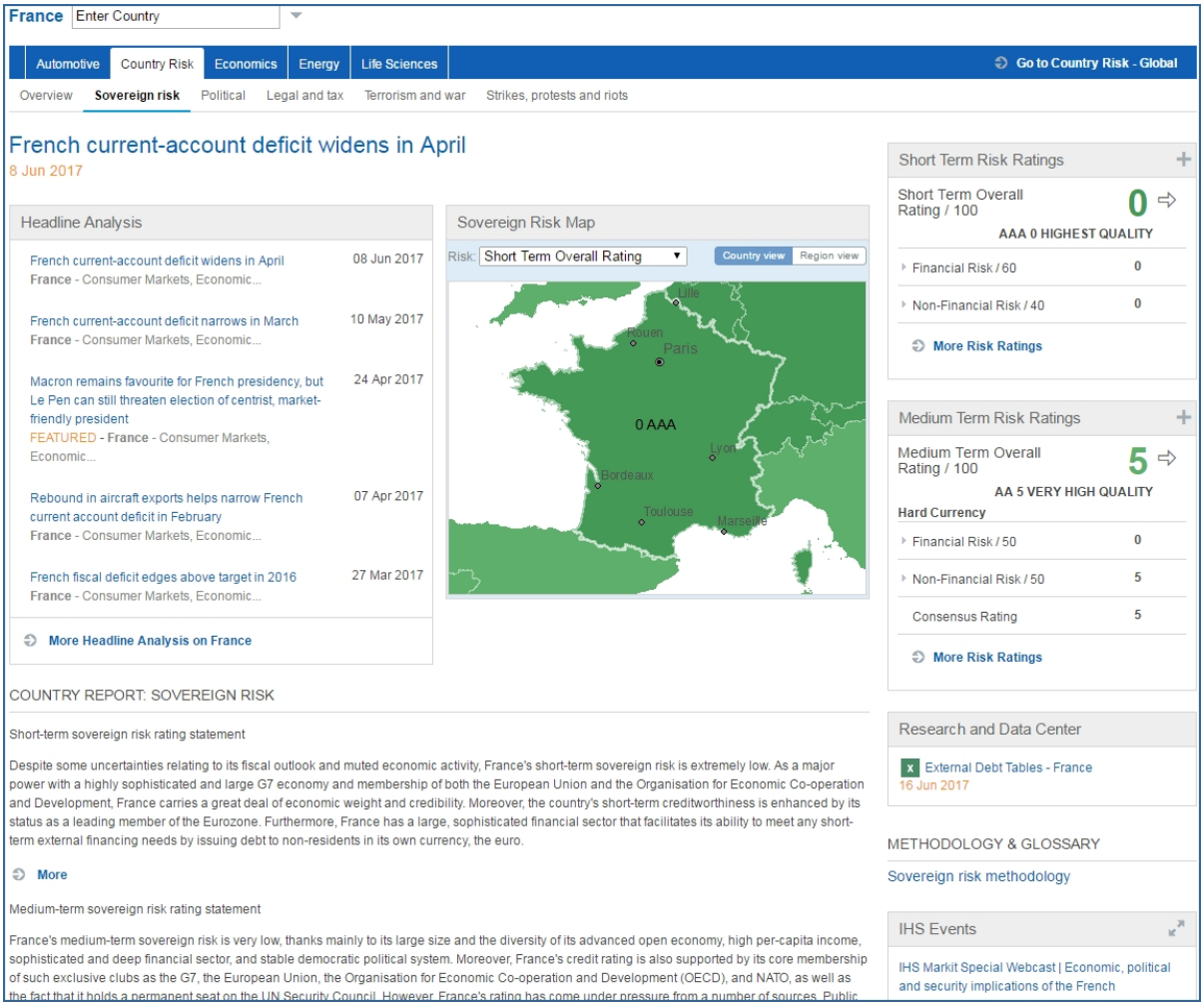
Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



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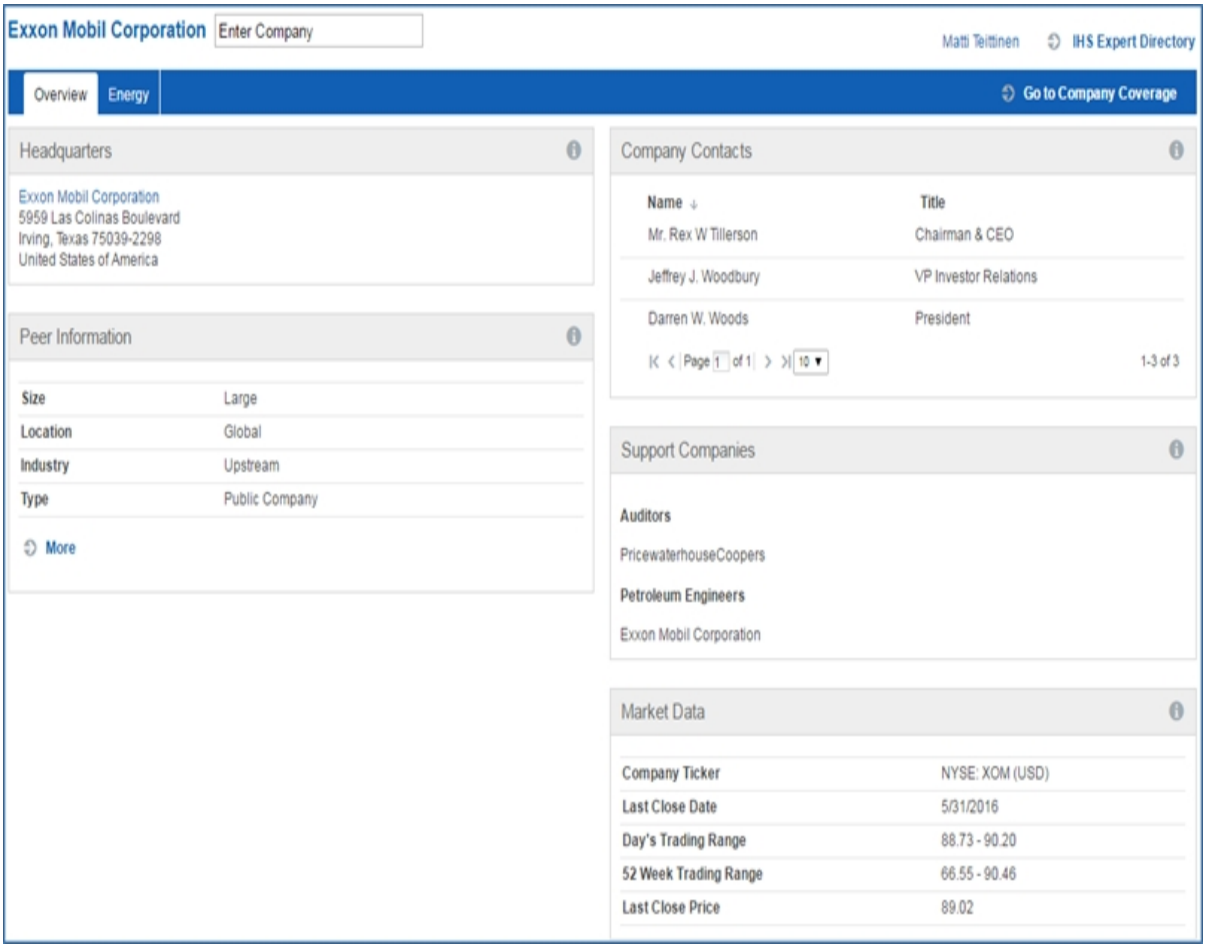

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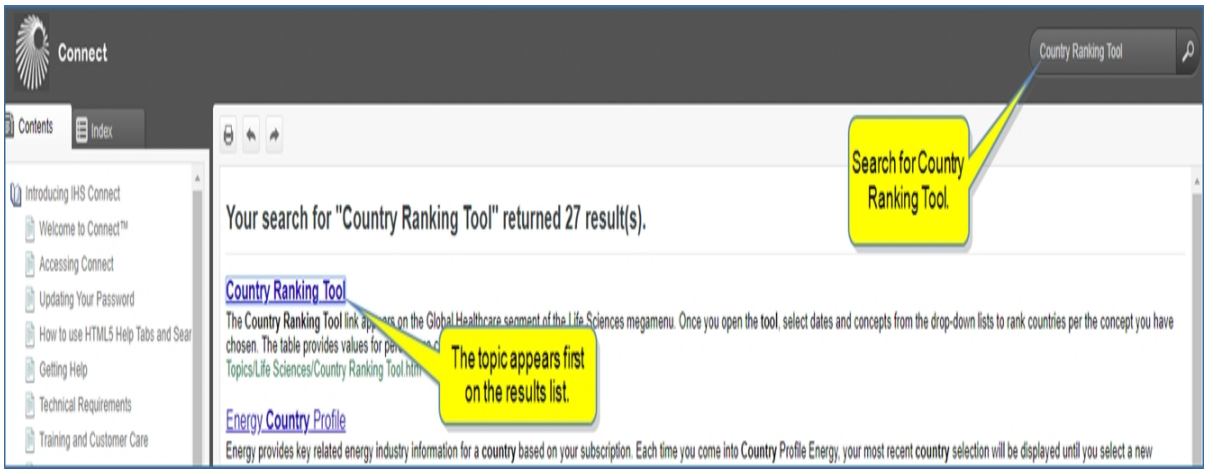


Power, Gas, Coal, and Renewables

The organization of regions and sectors under Access Your Research and Data addresses specialized customer subscriptions. Some Sector View content may also be available through Regional View selections. The content available through your subscription determines from what topic you access information about Power, Gas, Coal, and Renewables.

To find and access energy tools, review the Energy megamenu overview and the heading Accessing information about tools below.

The Regional View content falls in the following groupings:

- Greater China
- Europe
- Latin America
- Power, Gas, Coal, and Renewables
- Russian and Caspian
- South and Southeast Asia

The Sector View content falls in the following groupings:

- Global Gas Markets
- LNG
- LNG Shipping Calculator—displayed on the LNG capability page
- Power and Renewables
- Coal

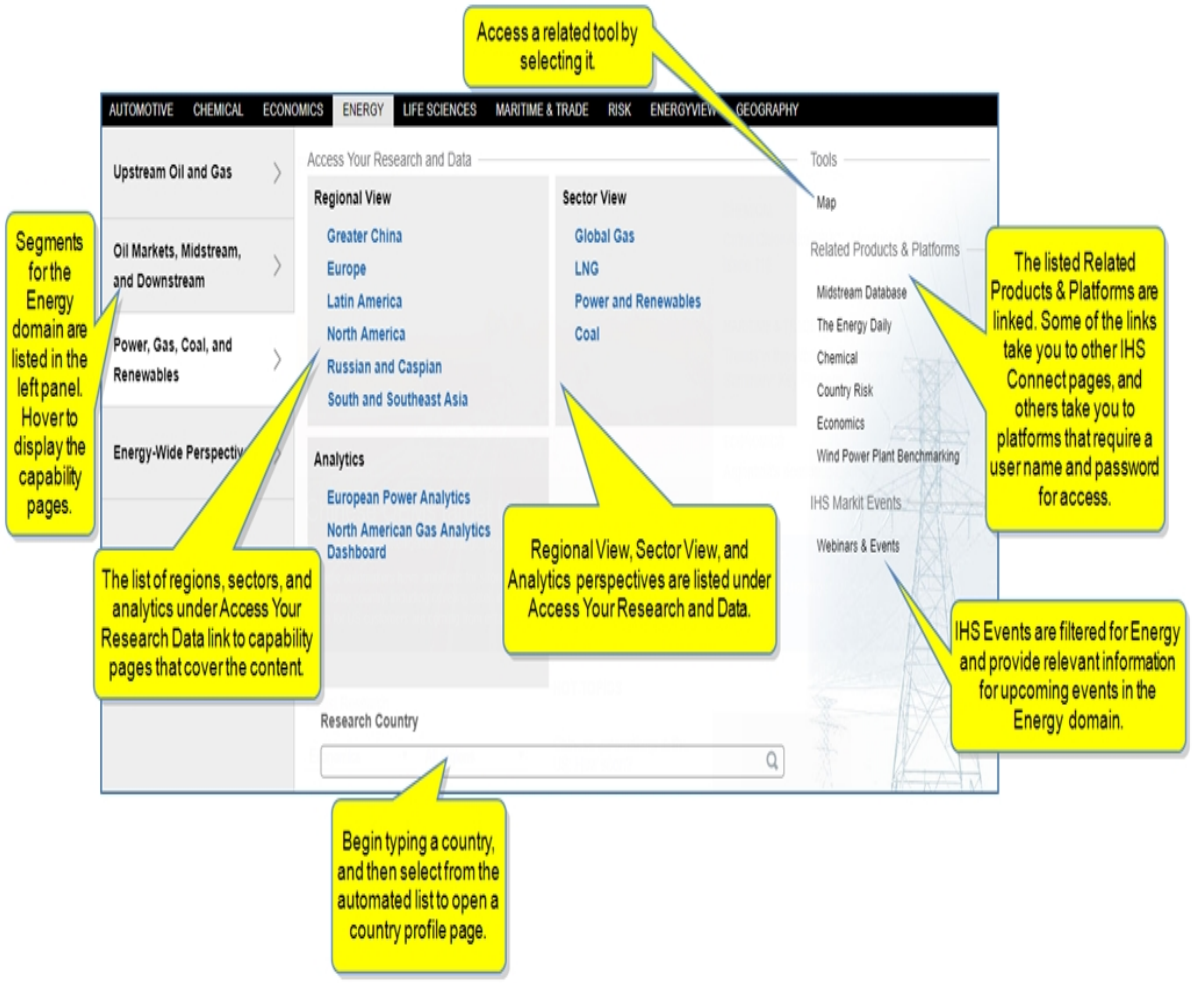
Analytics includes the following:

- European Power Analytics
- North American Gas Analytics Dashboard

In addition, the bottom and right panels provide links to the following aids:

- Research a Country
- Power, Gas, Coal, and Renewables
- Power, Gas, Coal, and Renewables
- Power, Gas, Coal, and Renewables

See Layout and features of capabilities for detailed information and illustrations.



Capabilities content areas

Regional View and Sector View links take you to content groupings based on intuitive logic. Content is further focused with tabs that pre organize capability content and narrow documents to a shorter list defaulting to chronological date sort order. The tab grouping provides fast-scanning and endless scrolling.

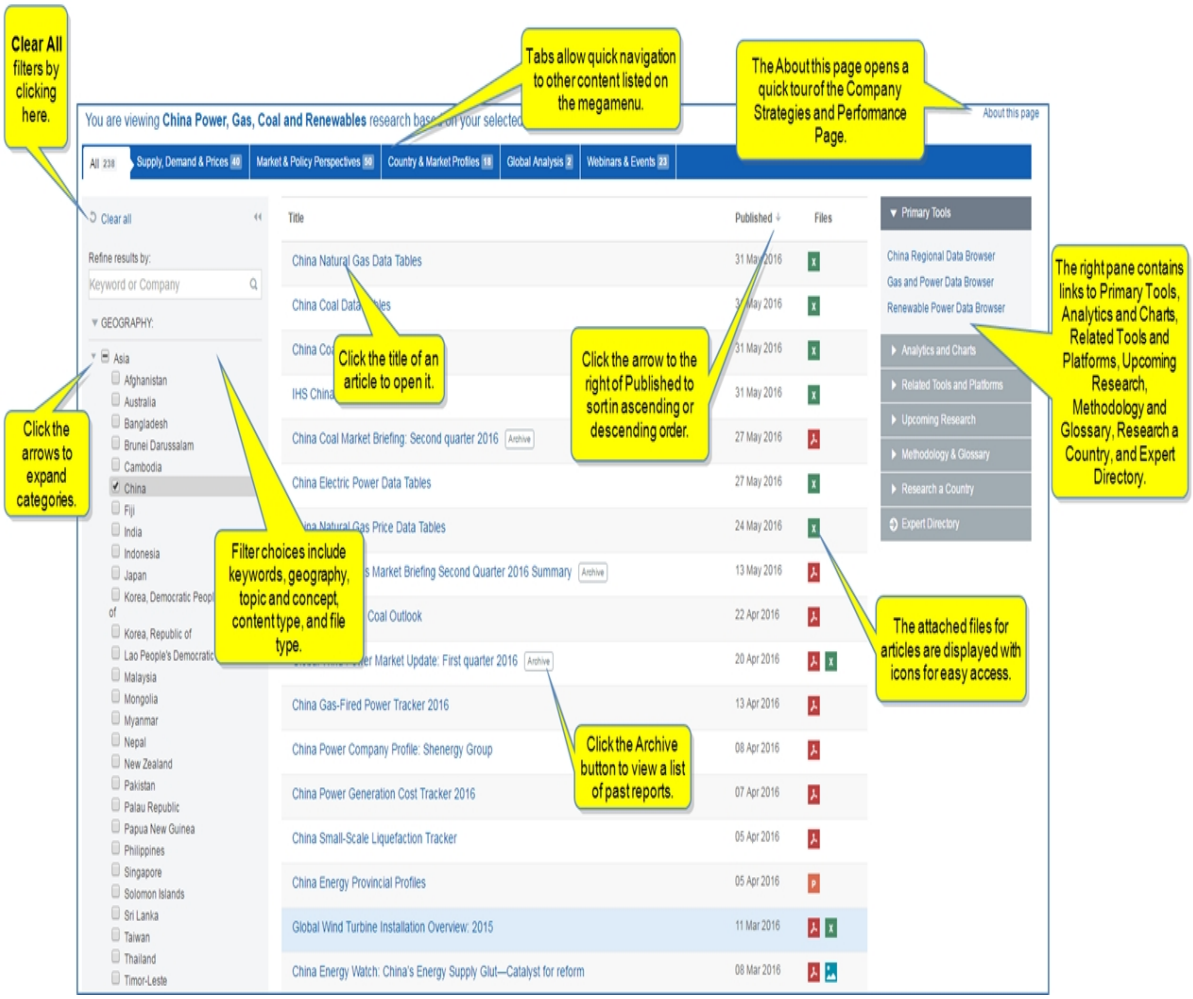
Regional View

The following illustrations capture the capability pages for Regional View geographies:

Greater China

The Greater China capability page is filtered for China under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events

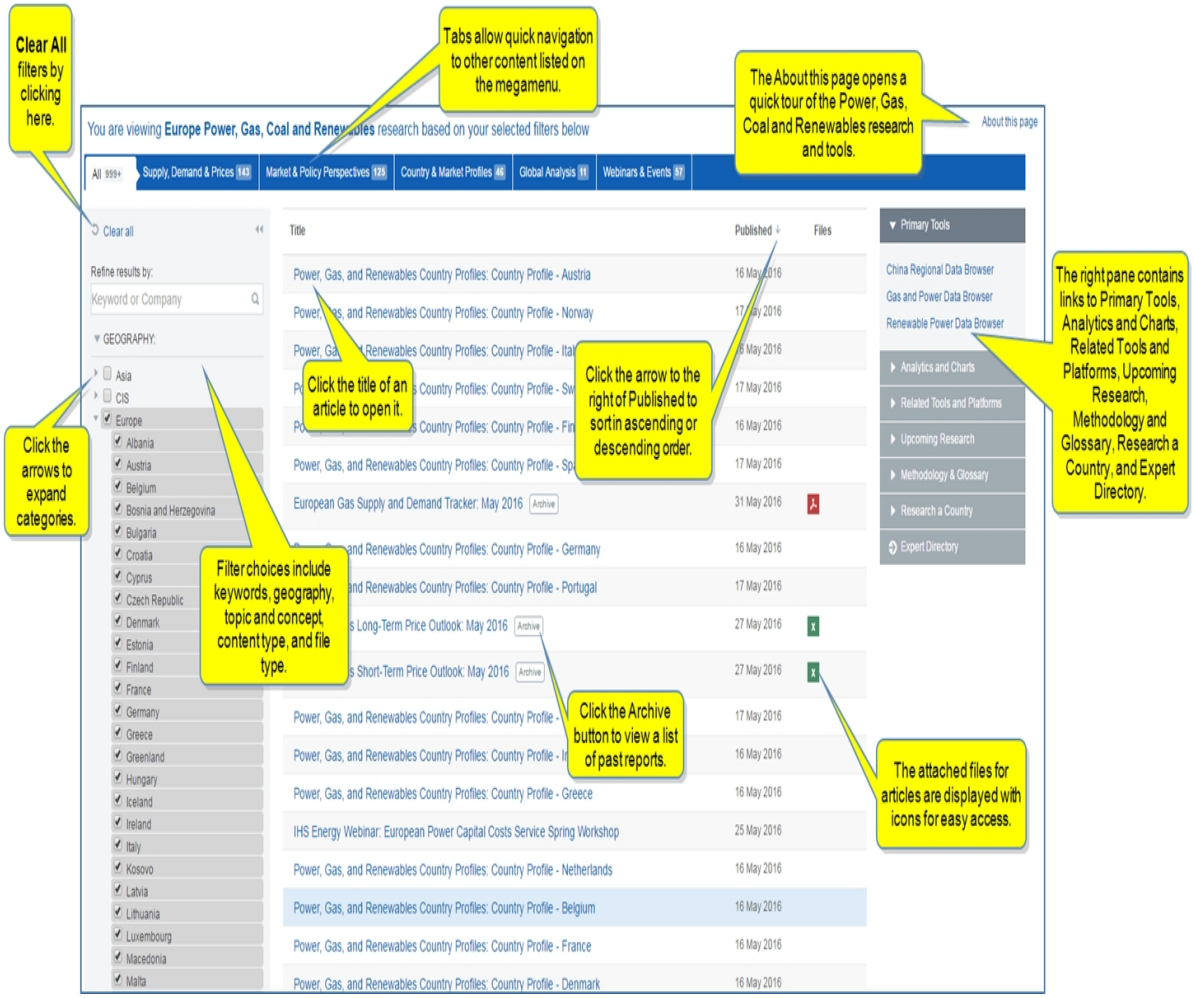


See Layout and features of capabilities for more detailed information and illustration.

Europe

The Europe capability page is filtered for Europe under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events

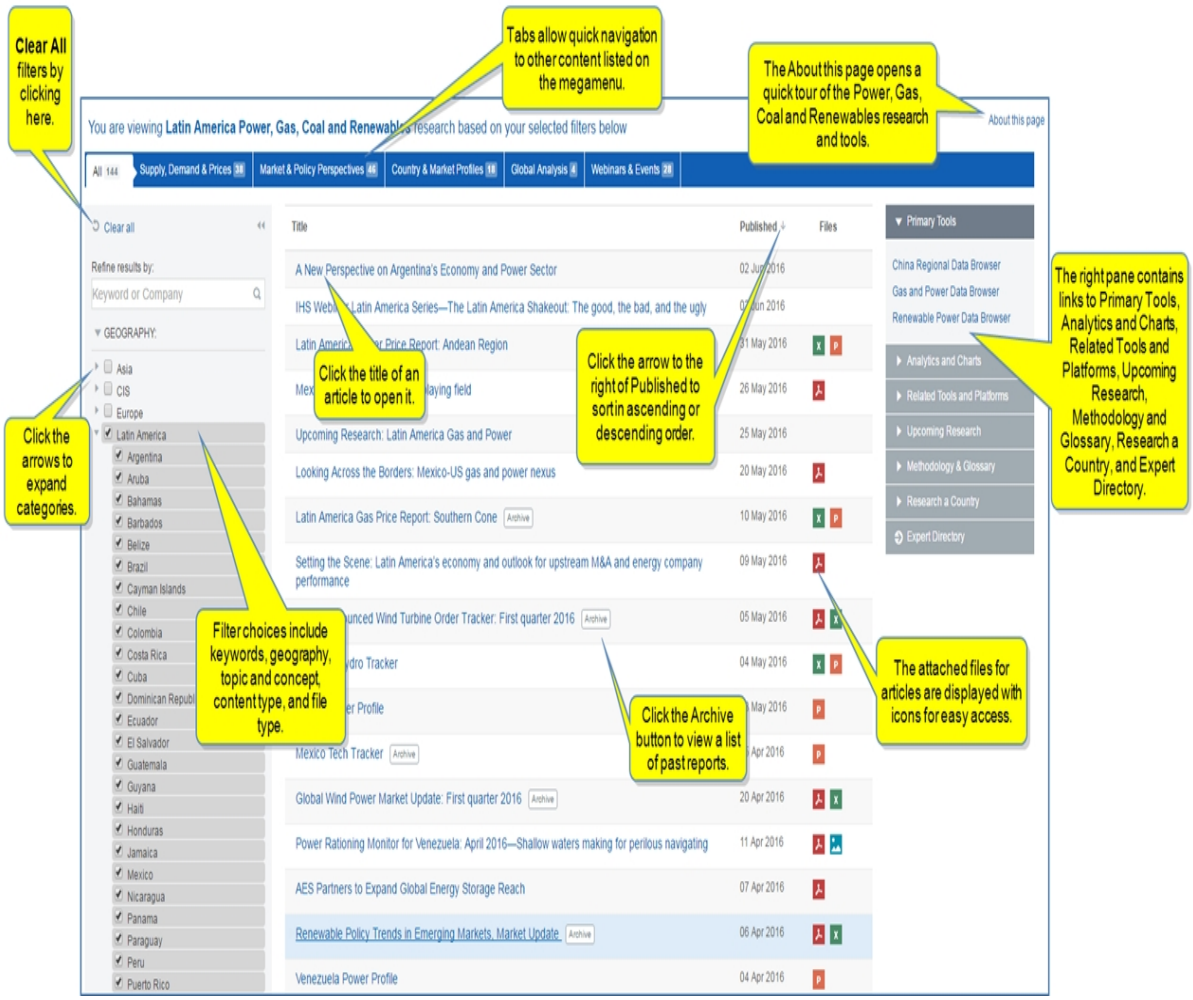


See Layout and features of capabilities for more detailed information and illustration.

Latin America

The Latin America capability page is filtered for Latin America under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events

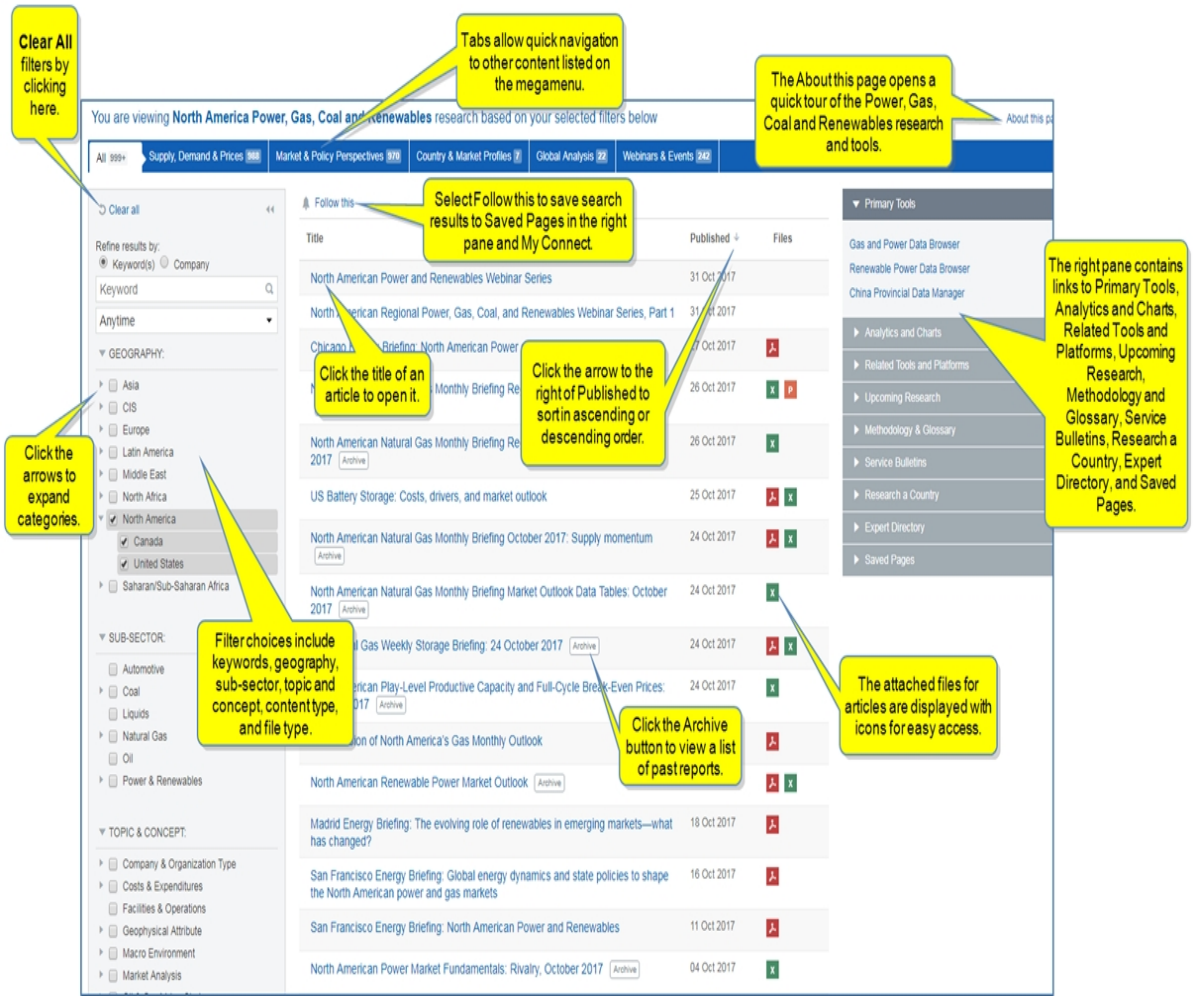


See Layout and features of capabilities for more detailed information and illustration.

North America

The North America capability page is filtered for North America under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events



See Layout and features of capabilities for more detailed information and illustration.

Russian and Caspian

The Russian and Caspian capability page is filtered for Russian and Caspian under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events

See Layout and features of capabilities for more detailed information and illustration.

South and Southeast Asia

The South and Southeast Asia capability page is filtered for South Asia countries and Southeast Asia countries (Vietnam, Philippines, Myanmar, Indonesia, Singapore, Thailand, an Malaysia) under Geography and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events

See Layout and features of capabilities for more detailed information and illustration.

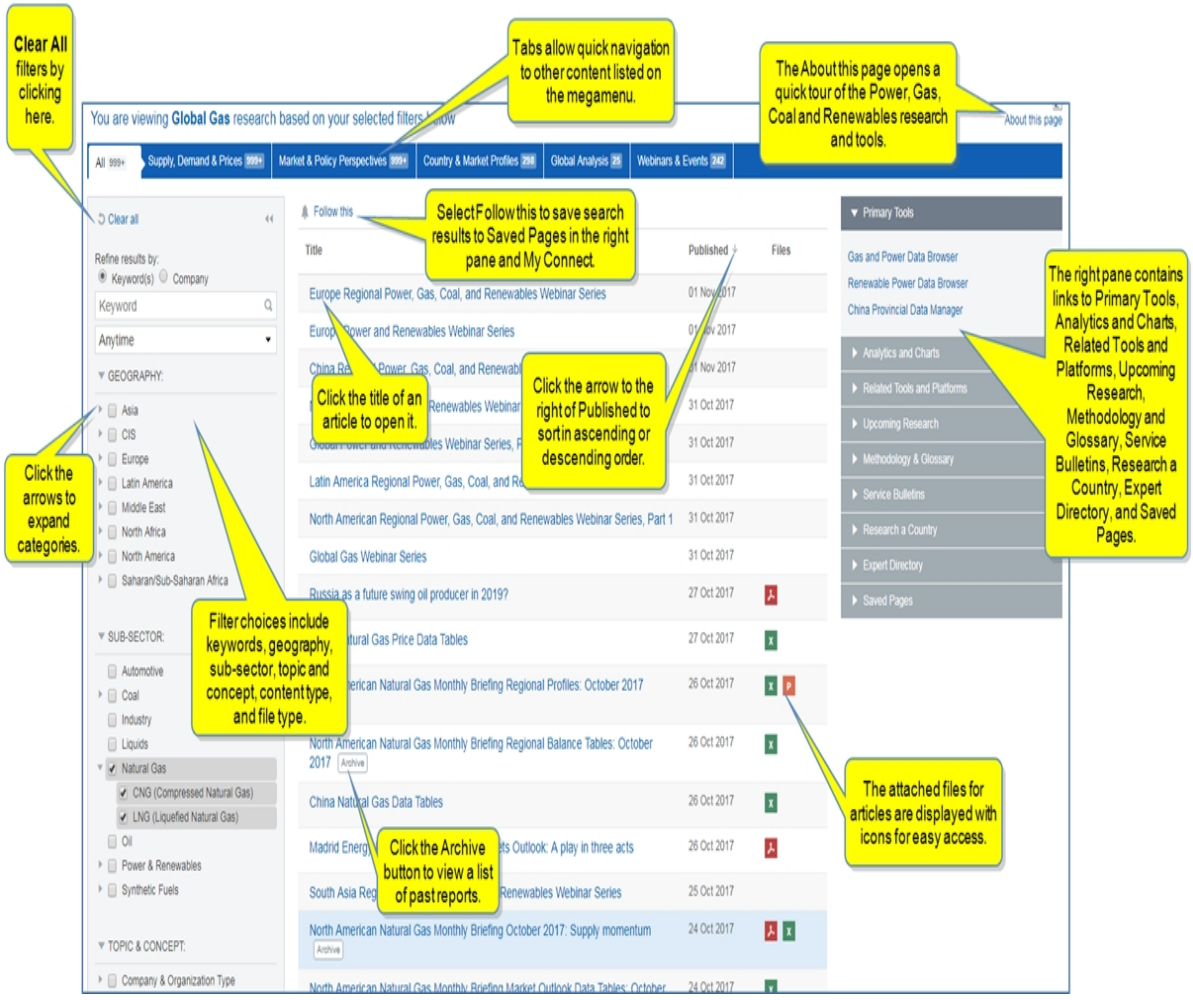
Sector View

The following illustrations capture the capability pages for Sector View geographies:

Global Gas Markets

The Global Gas Markets capability page is filtered for Natural Gas under the Energy Sector and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events



See Layout and features of capabilities for more detailed information and illustration.

LNG

The LNG capability page contains the following tabs:

- Data
- Trade Alerts
- Global Perspectives
- Upstream & Liquefaction
- Shipping, Trade & Prices
- Markets & Regasification
- Companies
- Webinars & Events

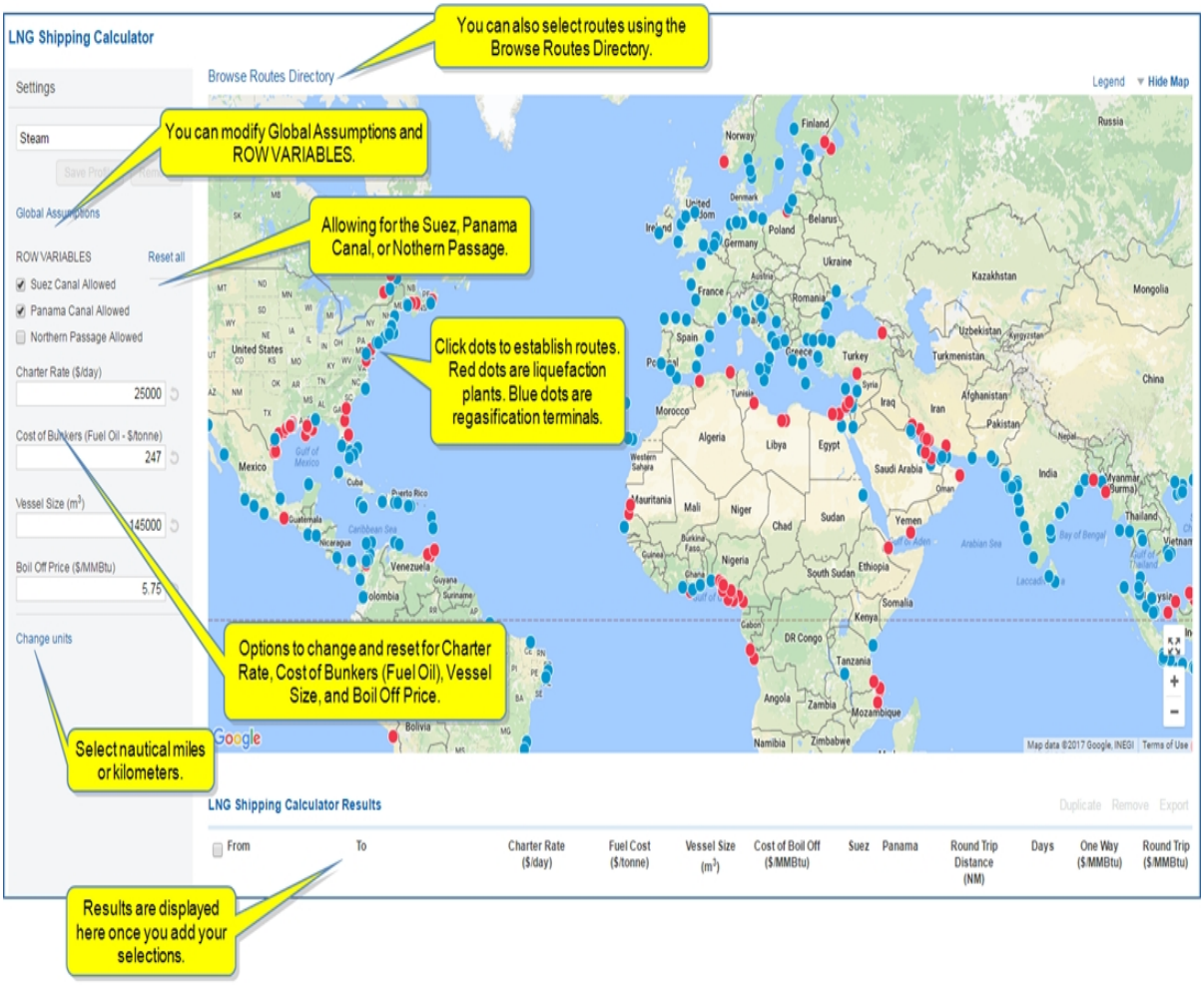
See Layout and features of capabilities for more detailed information and illustration.

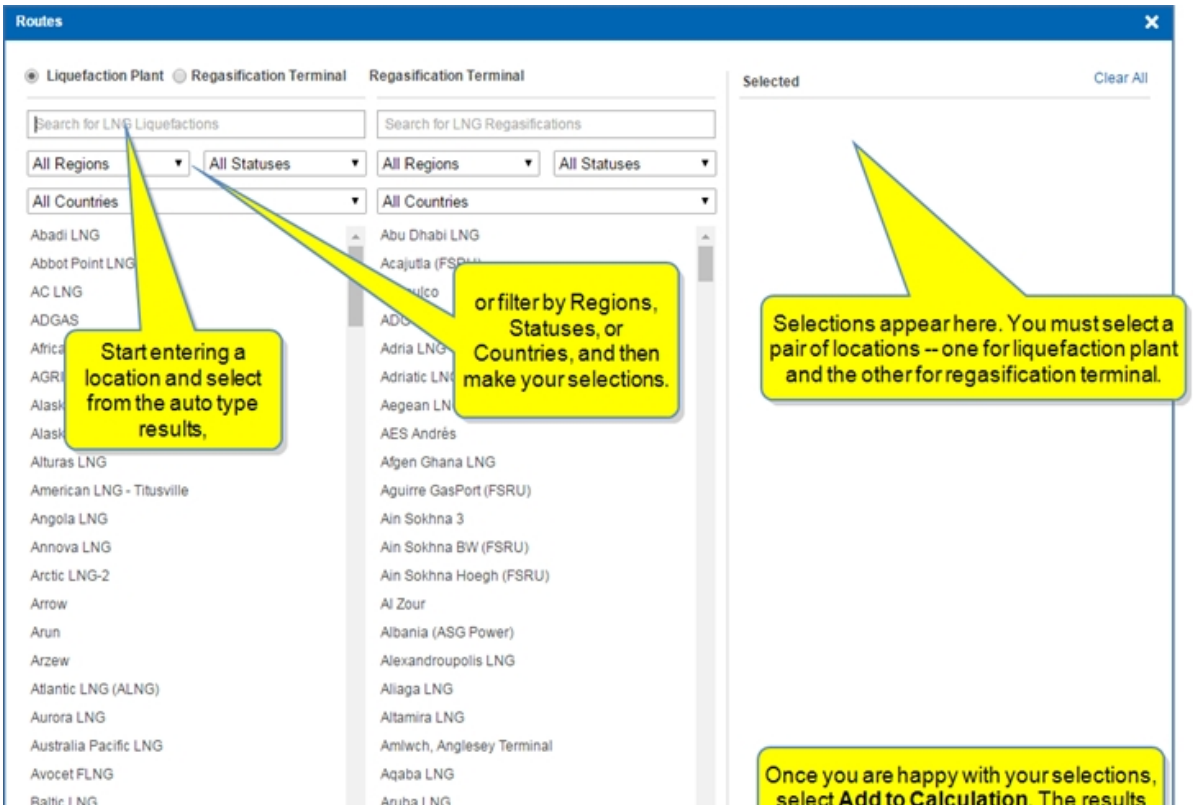
LNG Shipping Calculator

The LNG Shipping Calculator helps you evaluate shipping costs between regions. For example, you may want to source liquid natural gas from Europe and send it to Asia or compare that scenario with shipping to Argentina. You may ask how high could a charter rate go before a particular shipping route is no longer financially viable for customers? You may want to compare routes using the Panama or Suiz Canals with costs for routes around South American or Africa. You may be searching for a trade partner, or you may want to compare charter rates, cost of bunkers, or the boil off price by performing a scenario analysis on different destinations. In addition, you can compare costs between different facilities, calculate the cost of shipping, compare the economics of different routes, manipulate certain model variables, and export their results.

After selecting routes between a liquefaction plant and a regasification terminal by using the **Map** or **Browse Routes Directory** and adding your selections to the LNG Shipping Calculator Results table, the results for the charter rate, fuel cost, vessel size, cost of boil off, canal choices, the route trip distance, number of days, one way and round trip costs are displayed. The results can be modified in the table, duplicated, removed, or exported.

Note: Certain specific facilities can be used as both Liquifaction Plants and Regasification Terminals in the map and the Browse Routes directory.





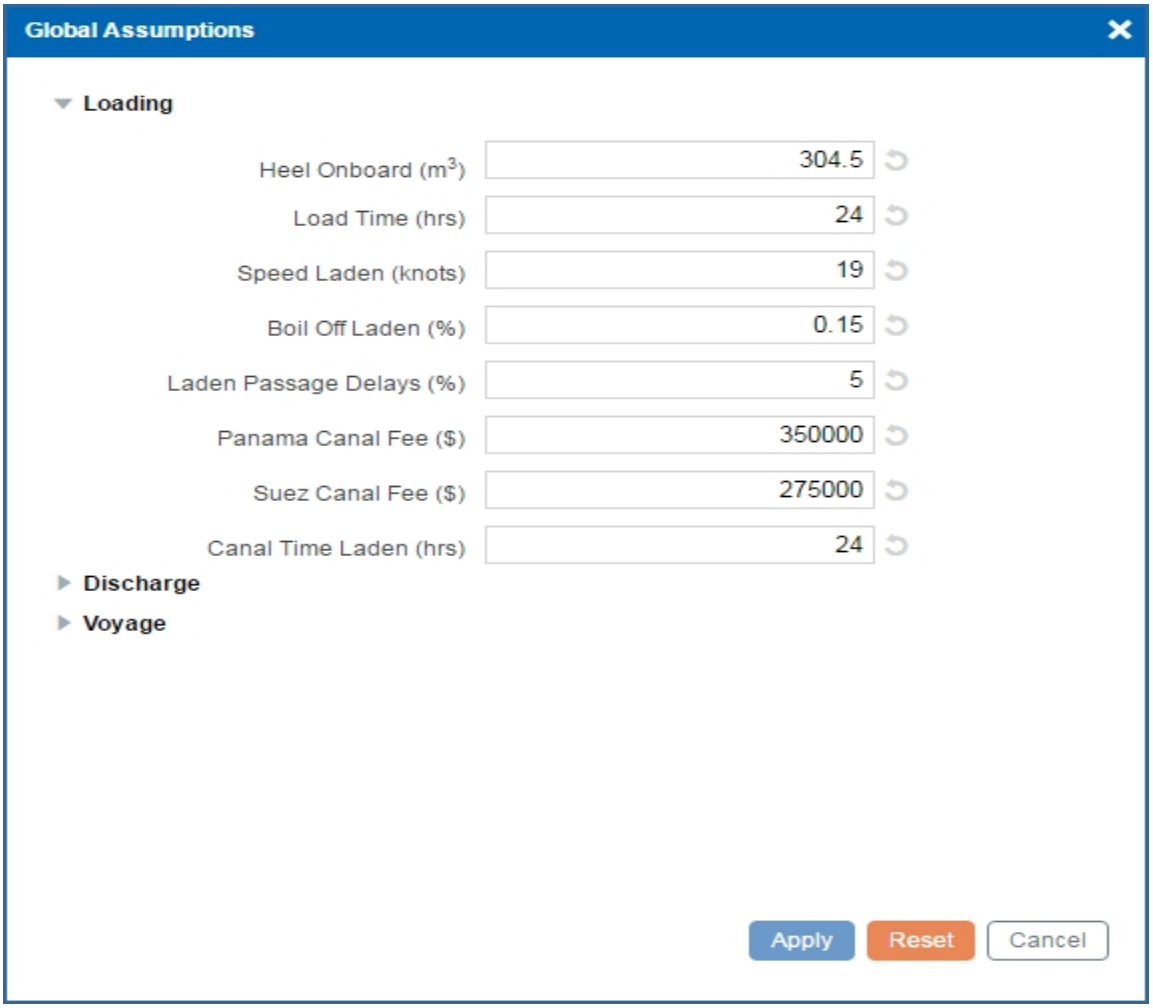
Note: Each time you change the ROW VARIABLES in the left panel of LNG Shipping Calculator, the routes you then select show the new setting in the results table. However, routes already displayed in the table do not update to the new setting. Their original values remain. You can also change values directly in the table to effect new results.

The default settings for ROW VARIABLES are the default settings for IHS market assumptions for Charter Rate, Cost of Bunkers, Vessel Size, and Boil off Price. You can change the settings and reset to the default. Click the **Refresh** icon to reset.

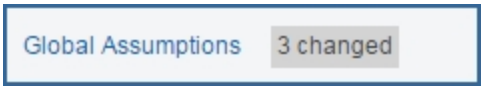
Settings has two defaults: **Steam** and **DFDE/TFDE**. **Steam** represents steam carriers that have historically been available. **DFDE/TFDE** are multifuel carriers and newer to the marketplace. Selecting **DFDE/TFDE** changes the assumptions that make up **Global Assumptions** and the **Vessel Size** under ROW VARIABLES.

Global Changes

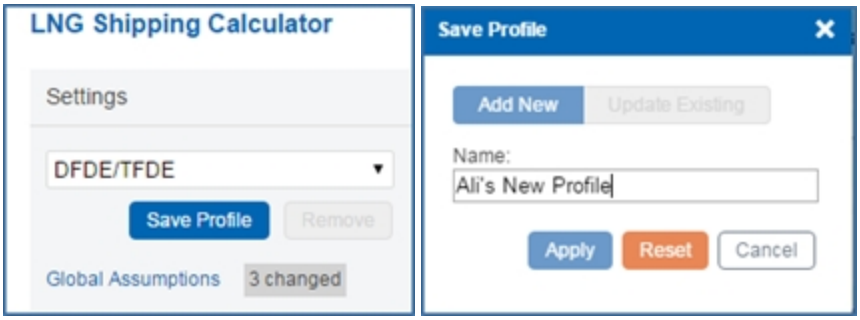
Click **Global Assumptions** to display the global assumptions listed for **Loading**, **Discharge**, and **Voyage**. You can change any of the items and reset to the default by clicking the **Reset** icon. To change the assumptions, enter new data, and then click **Apply**. To **Reset** the entire list, click the **Reset** button. You may have a unique situation, for example—the availability of faster, larger tankers—that makes changing Global Assumptions advantageous.



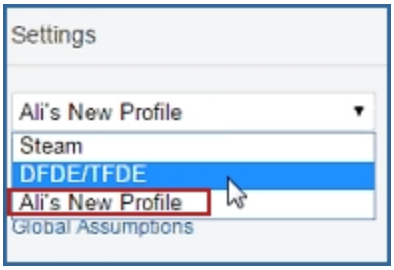
The number of changes is indicated next to **Global Assumptions** in the left pane.



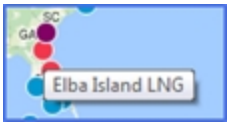
When you change **Global Assumptions**, you can also save the changes with **Save Profile**. Click **Save Profile**, and the ***Save Profile*** dialog is displayed. Enter a name for the profile, and then select **Apply**.



The saved profile now appears in the drop-down list where you can select it.

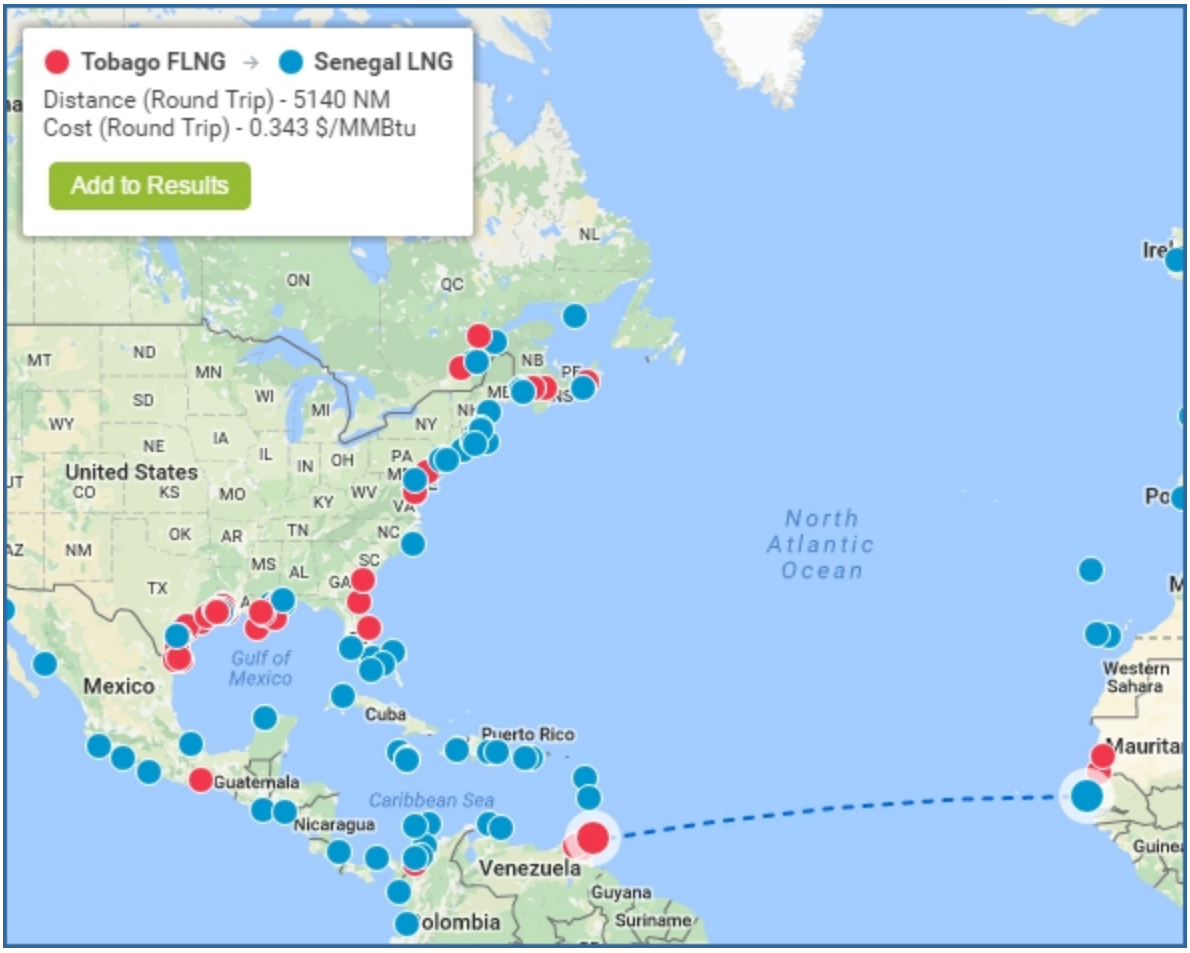


Selecting routes using the Map

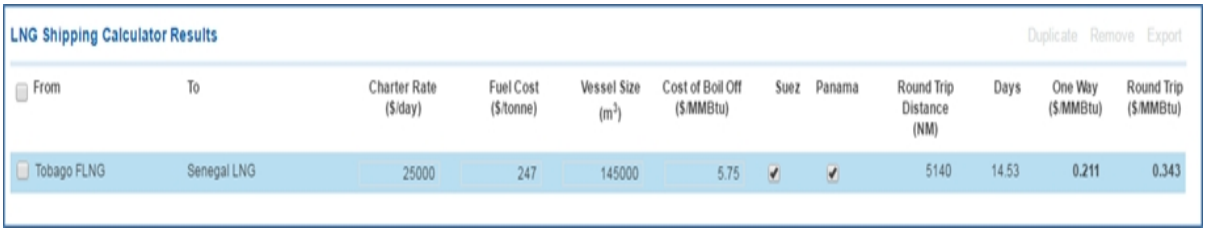
When you hover a red or blue circle on the **Map**, the name of the site is displayed. 

To establish a route, select a liquefaction plant (blue circle) and then a regasifaction terminal (red circle). The route is indicated on the **Map**, and a dialog box displays your choices with some shipping information and the **Add to Results** button activated.

Note: It is possible to set up a route from a regasification terminal to another regasification terminal.



Click the **Add to Results** button, and the route is displayed in the LNG Shipping Calculator Results table with results for Charter Rate, Fuel Cost, Vessel Size, Cost of Boil Off, Suez and Panama selected, Round Trip /distance, Days, One Way, and Round Trip information.

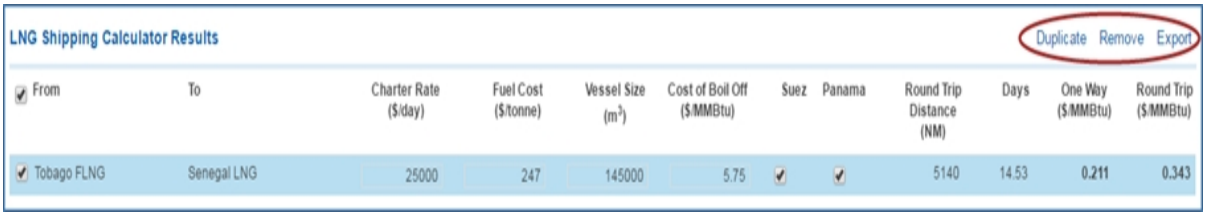


LNG Shipping Calculator Results

Duplicate Remove Export

From	To	Charter Rate ($/day)	Fuel Cost ($/tonne)	Vessel Size (m^3)	Cost of Boil Off ($/MMBtu)	Suez	Panama	Round Trip Distance (NM)	Days	One Way ($/MMBtu)	Round Trip ($/MMBtu)
Tobago FLNG	Senegal LNG	25000	247	145000	5.75	✓	✓	5140	14.53	0.211	0.343

When you select the route with a check mark, the **Duplicate**, **Remove**, and **Export** links are enables.



LNG Shipping Calculator Results

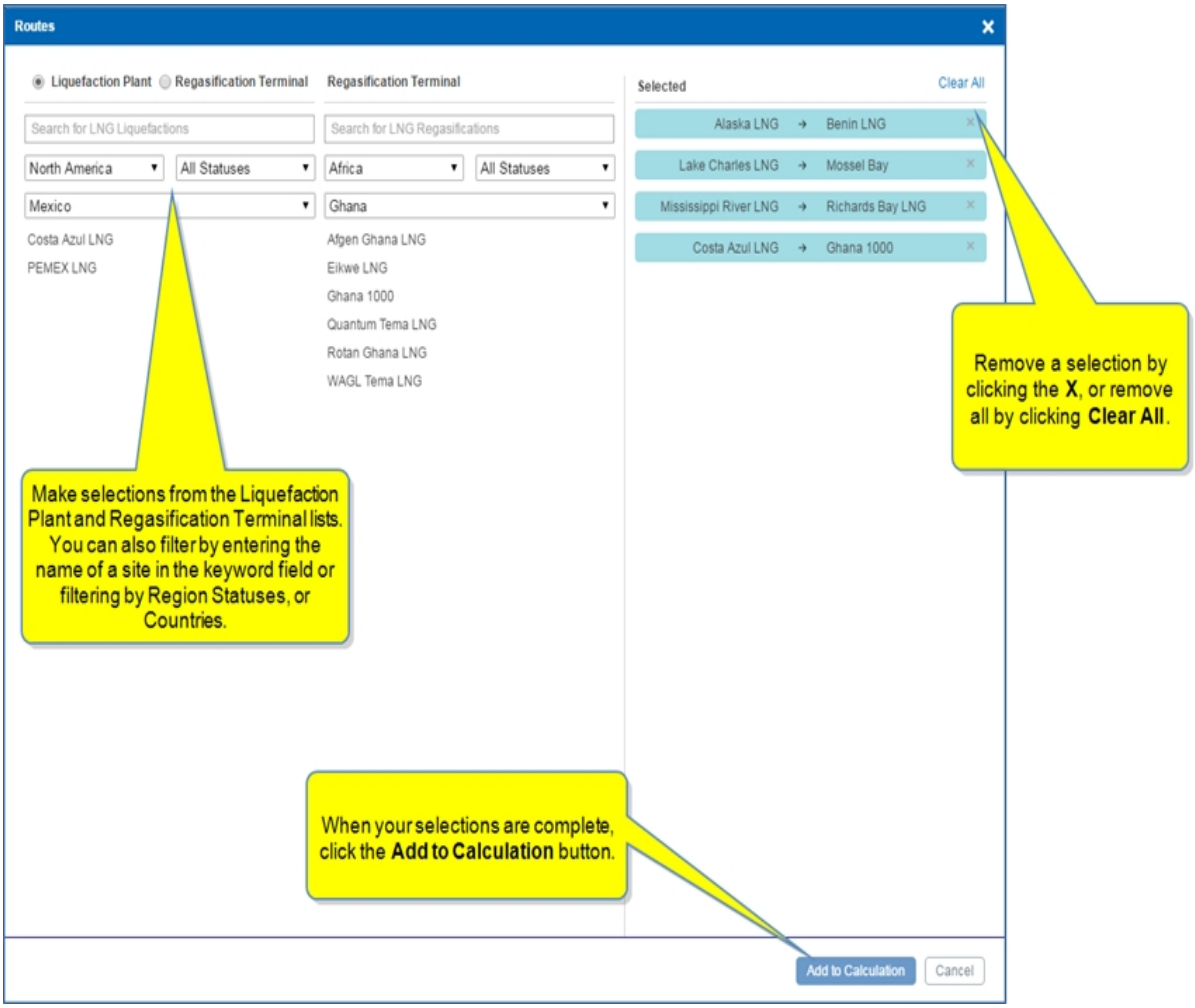
Duplicate Remove Export

From	To	Charter Rate ($/day)	Fuel Cost ($/tonne)	Vessel Size (m^3)	Cost of Boil Off ($/MMBtu)	Suez	Panama	Round Trip Distance (NM)	Days	One Way ($/MMBtu)	Round Trip ($/MMBtu)
Tobago FLNG	Senegal LNG	25000	247	145000	5.75	✓	✓	5140	14.53	0.211	0.343

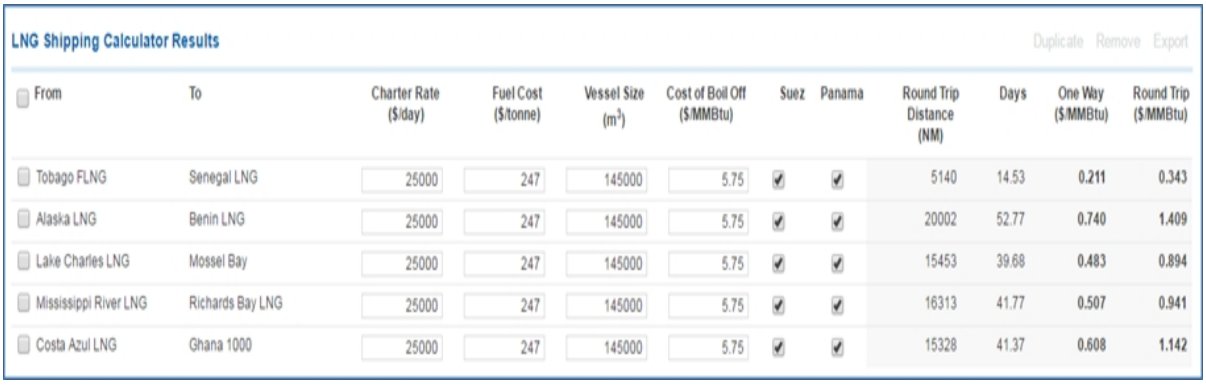
Selecting routes with the Browse Routes Directory

Click the **Browse Routes Directory** link to open the directory.

All locations are listed in the Liquefaction Plant column and the Regasification Terminal column. You can select directly from the list by clicking on a Liquefaction Plant and a corresponding Regasification Terminal. You must select both a Liquefaction Plant and Regasification Terminal to display your route in the Selected panel. You can also filter the list by typing the name of a site in the keyword field, or you can use the down arrows to filter by Region, Statuses, or Countries. The following selections are selected from Region and Countries filters.



The selections from the Browse Route Directory are added in the results table.



LNG Shipping Calculator Results

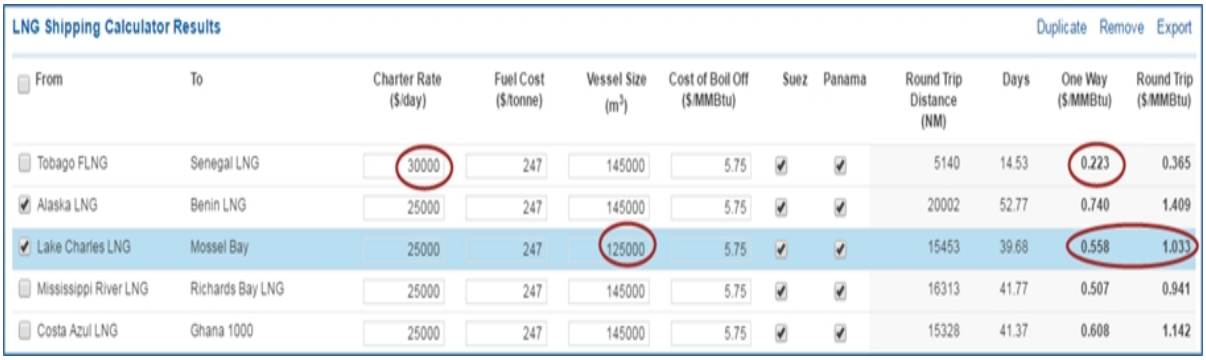
Duplicate Remove Export

From	To	Charter Rate ($/day)	Fuel Cost ($/tonne)	Vessel Size (m^3)	Cost of Boil Off ($/MMBtu)	Suez	Panama	Round Trip Distance (NM)	Days	One Way ($/MMBtu)	Round Trip ($/MMBtu)
Tobago FLNG	Senegal LNG	25000	247	145000	5.75	✓	✓	5140	14.53	0.211	0.343
Alaska LNG	Benin LNG	25000	247	145000	5.75	✓	✓	20002	52.77	0.740	1.409
Lake Charles LNG	Mossel Bay	25000	247	145000	5.75	✓	✓	15453	39.68	0.483	0.894
Mississippi River LNG	Richards Bay LNG	25000	247	145000	5.75	✓	✓	16313	41.77	0.507	0.941
Costa Azul LNG	Ghana 1000	25000	247	145000	5.75	✓	✓	15328	41.37	0.608	1.142

Viewing LNG Shipping Calculator Results

When you select one or more routes with a check mark, the **Duplicate**, **Remove**, and **Export** links are activated. Selecting the check box next to **From** selects all routes.

To change the values for Charter Rate, Fuel Cost, Vessel Size, Cost of Boil Off, Suez, and Panama, type directly in the fields. The results for Round Trip Distance, Days, One Way, and Round Trip update automatically.

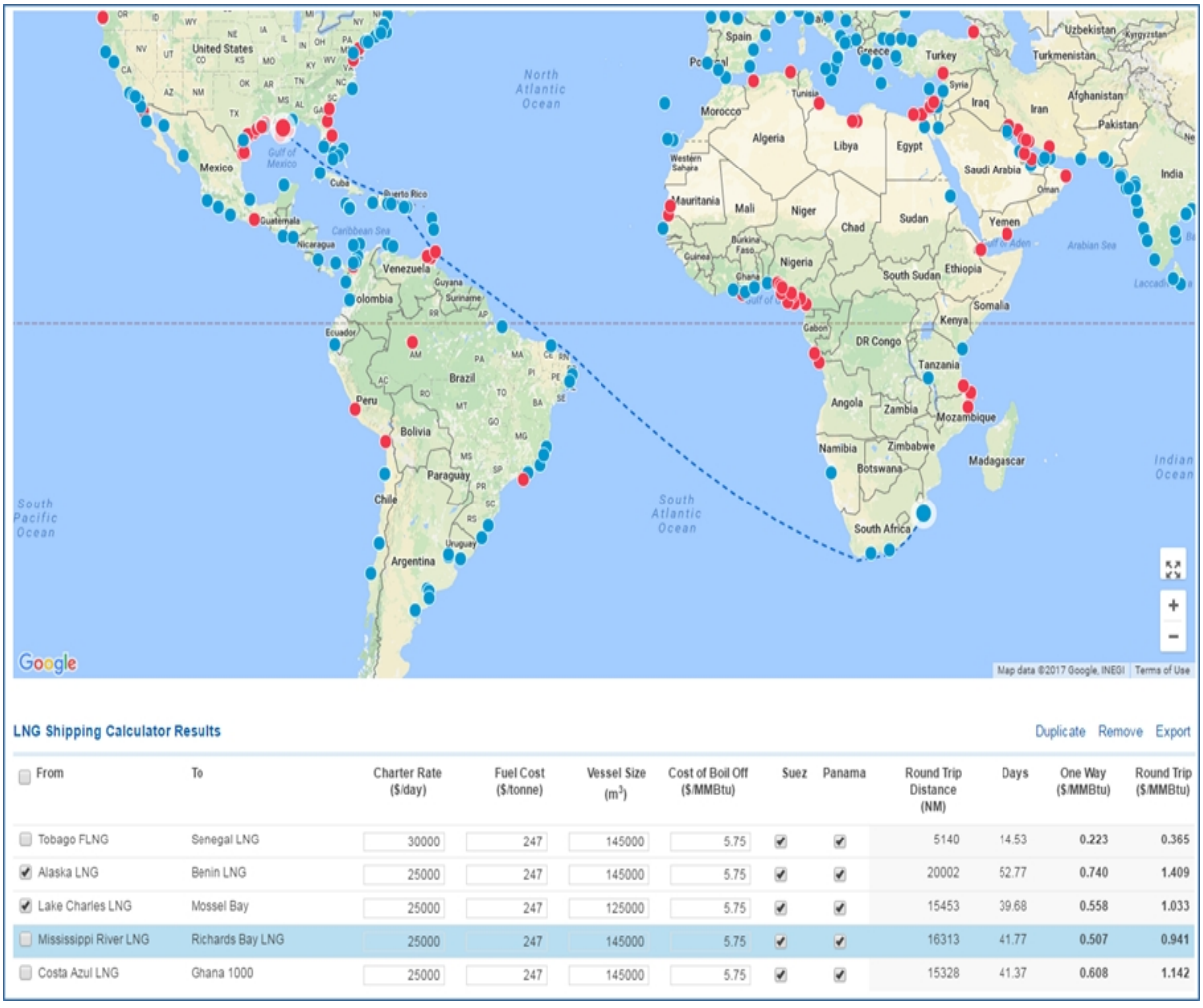


LNG Shipping Calculator Results

Duplicate Remove Export

From	To	Charter Rate ($/day)	Fuel Cost ($/tonne)	Vessel Size (m^3)	Cost of Boil Off ($/MMBtu)	Suez	Panama	Round Trip Distance (NM)	Days	One Way ($/MMBtu)	Round Trip ($/MMBtu)
Tobago FLNG	Senegal LNG	30000	247	145000	5.75	✓	✓	5140	14.53	0.223	0.365
Alaska LNG	Benin LNG	25000	247	145000	5.75	✓	✓	20002	52.77	0.740	1.409
Lake Charles LNG	Mossel Bay	25000	247	125000	5.75	✓	✓	15453	39.68	0.558	1.033
Mississippi River LNG	Richards Bay LNG	25000	247	145000	5.75	✓	✓	16313	41.77	0.507	0.941
Costa Azul LNG	Ghana 1000	25000	247	145000	5.75	✓	✓	15328	41.37	0.608	1.142

When you click on a route and highlight it, the route is displayed on the Map.



LNG Shipping Calculator Results

Duplicate Remove Export

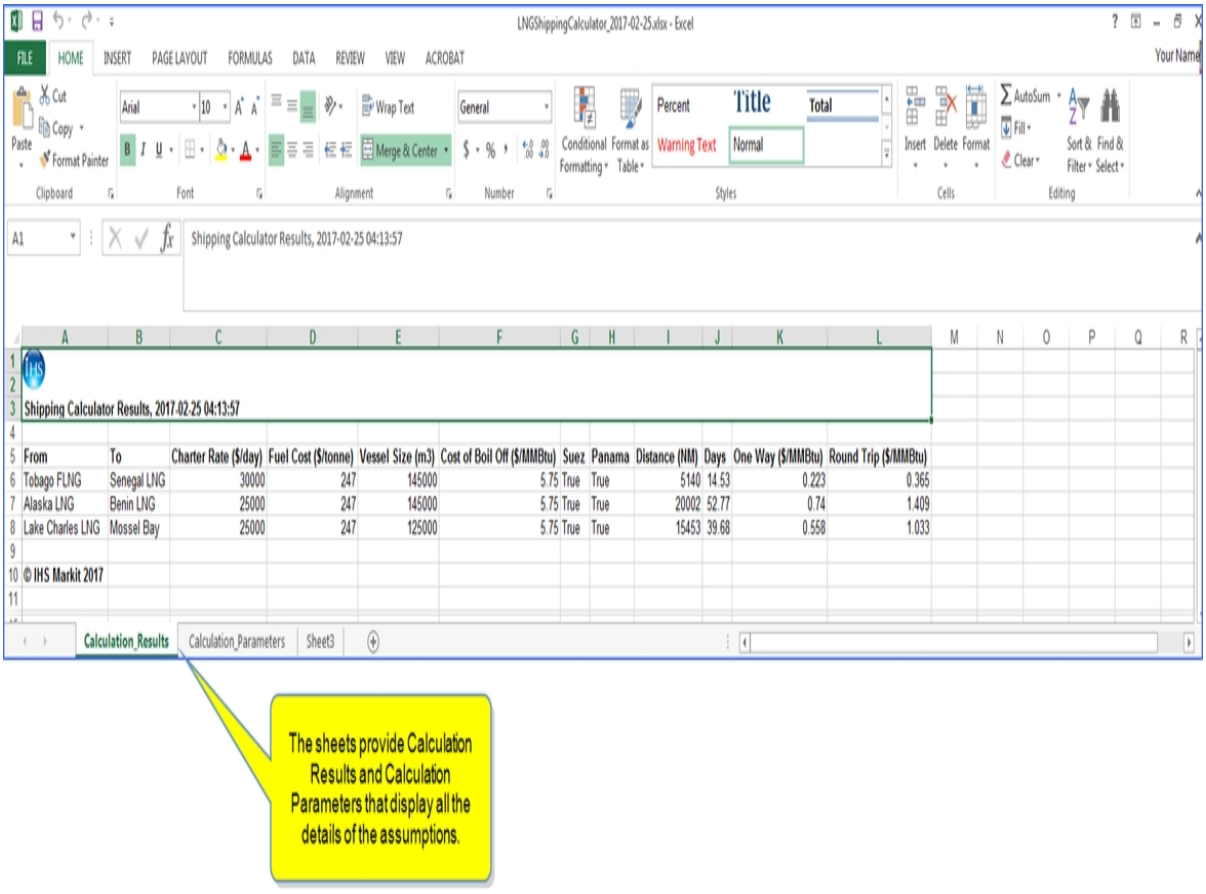
From	To	Charter Rate ($/day)	Fuel Cost ($/tonne)	Vessel Size (m^3)	Cost of Boil Off ($/MMBtu)	Suez	Panama	Round Trip Distance (NM)	Days	One Way ($/MMBtu)	Round Trip ($/MMBtu)
Tobago FLNG	Senegal LNG	30000	247	145000	5.75	✓	✓	5140	14.53	0.223	0.365
Alaska LNG	Benin LNG	25000	247	145000	5.75	✓	✓	20002	52.77	0.740	1.409
Lake Charles LNG	Mossel Bay	25000	247	125000	5.75	✓	✓	15453	39.68	0.558	1.033
Mississippi River LNG	Richards Bay LNG	25000	247	145000	5.75	✓	✓	16313	41.77	0.507	0.941
Costa Azul LNG	Ghana 1000	25000	247	145000	5.75	✓	✓	15328	41.37	0.608	1.142

Selecting a route(s) with a check mark, and then selecting **Duplicate** creates a duplicate of the route in the table. You can then compare modifications of the route.

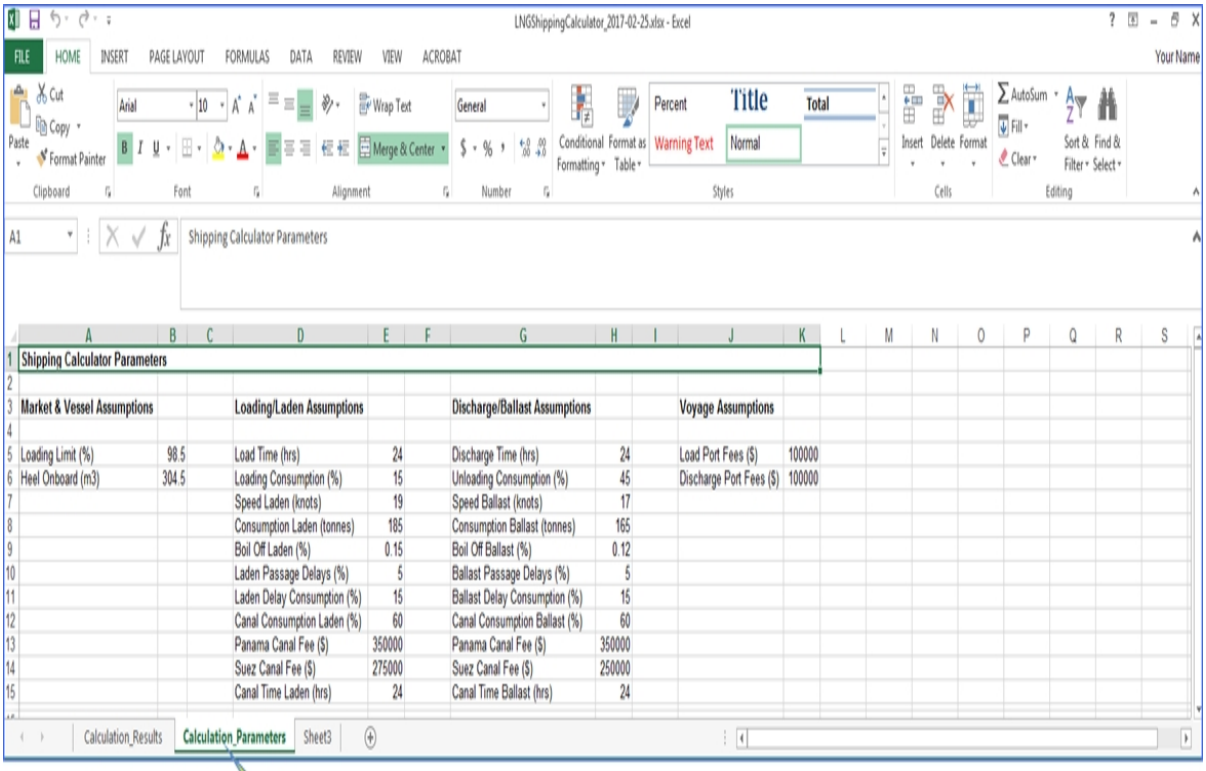
Selecting a route(s) with a check mark, and then selecting **Remove** deletes the items from the table.

Selecting a route(s) with a check mark, and then selecting **Export** creates an Excel spreadsheet.

When you open the Excel spreadsheet, Calculation Results and Calculation Parameters sheets are available. Calculation Parameters provides all the details of the assumptions.



The sheets provide Calculation Results and Calculation Parameters that display all the details of the assumptions.

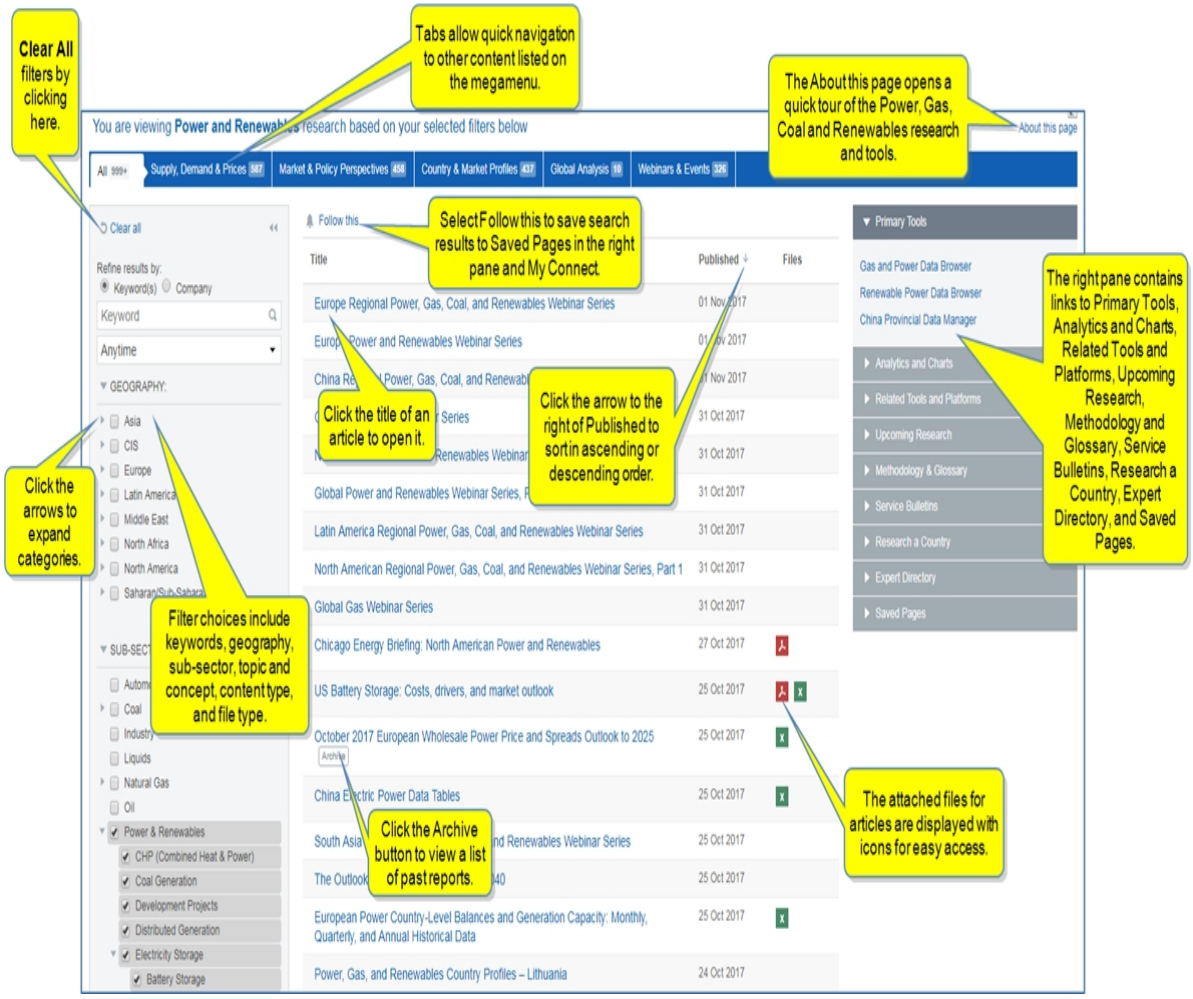


Calculation Parameters are displayed.

Power and Renewables

The Power and Renewables capability page is filtered for Power & Renewables under the Energy Sector and contains the following tabs:

- Supply, Demand & Prices
- Market & Policy Perspectives
- Country & Market Profiles
- Global Analysis
- Webinars & Events



Coal

The Coal capability page contains the following tabs:

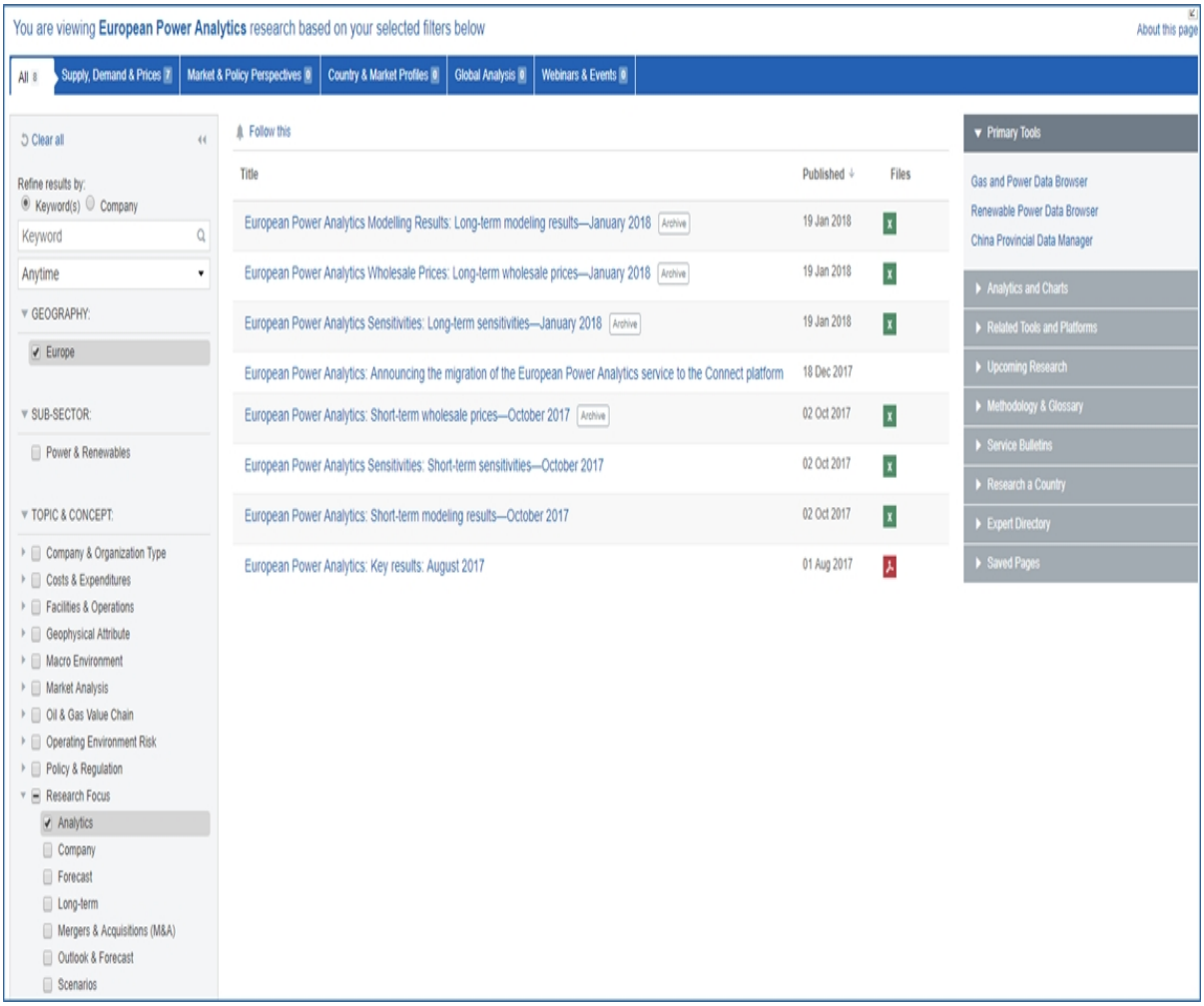
- Newswire Alerts
- Publications
- Country & Market Profiles
- Strategic Perspectives
- Markets

- Intelligence
- Prices & Data
- Webinars & Events

See Layout and features of capabilities for more detailed information and illustration.

Analytics

Selecting **European Power Analytics** displays a capability page with search options, published documents from European Power Analytics , supporting files, and links to tools and related charts and platforms.



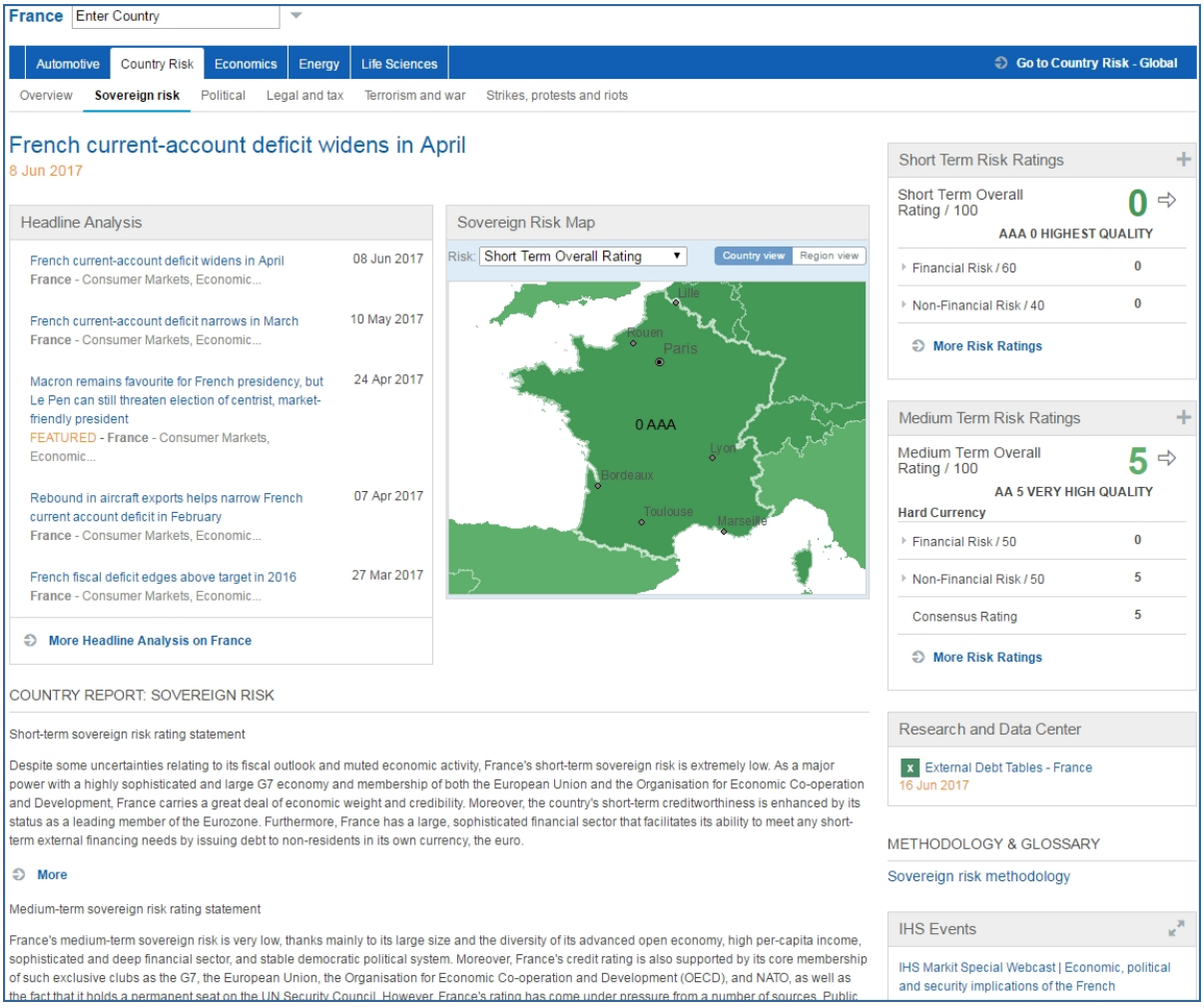
Selecting **North American Gas Analytics Dashboard** displays Price and Basis charts.

Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



Accessing information about tools

Linked tools are available in the right pane of the Power, Gas, Coal, and Renewables megamenu.

Map opens the Map tool for geographical illustrations of oil markets, midstream, and downstream information that includes intelligence and terror risks. (You can reach the Map tool from the Menu Bar or within the Tools pane for relevant megamenu and segment pages.)

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

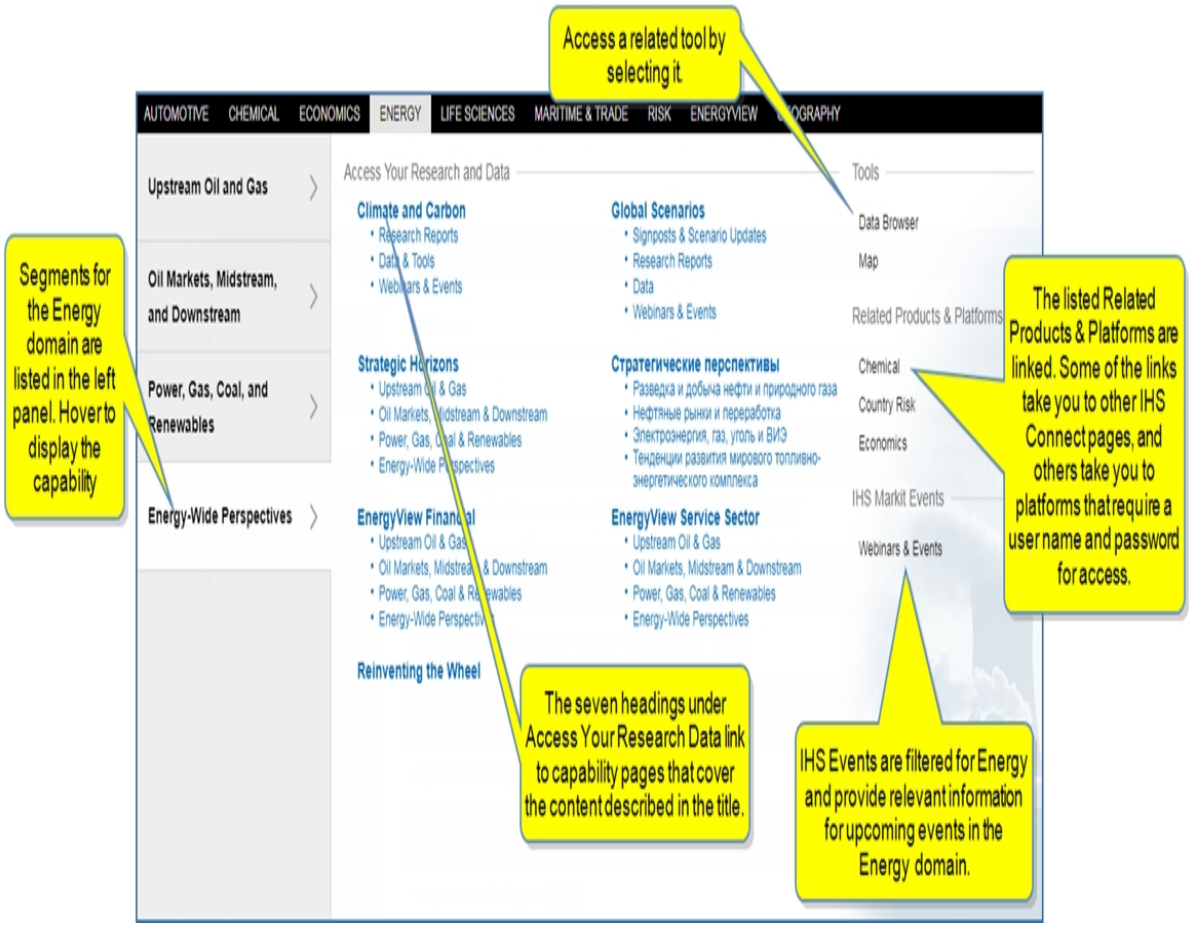
Energy-Wide Perspectives

From the Energy-Wide Perspectives segment, access the following capabilities. Each item is linked to further description down the page.

- Climate and Carbon research
- Global Scenarios
- Strategic Horizons
- EnergyView Financial
- EnergyView Service Sector

See Layout and features of capabilities for detailed information and illustrations.

To find and access energy tools, review the Energy megamenu overview and the heading Accessing information about tools below.



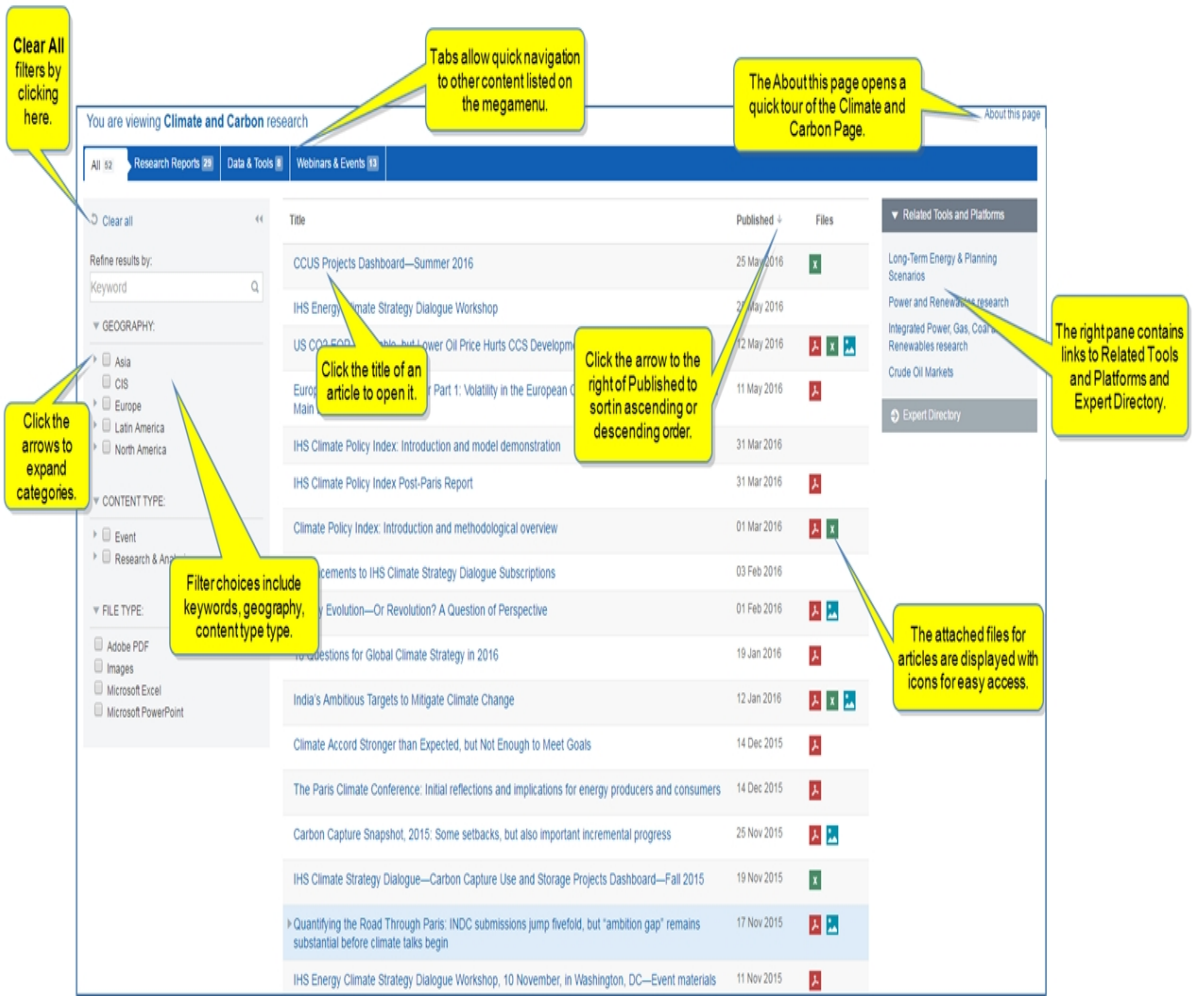
Capabilities content areas

Each of the five headings on the Energy-Wide Perspectives segment takes you to content groupings based on intuitive logic. Content is further focused with tabs that pre organize capability content and narrow documents to a shorter list defaulting to chronological date sort order. The tab grouping provides fast-scanning and endless scrolling.

Climate and Carbon research

Climate and Carbon research focuses content on climate-related analysis and forecasts informed by national, regional, and global policy, market, and technology trends in all energy producing and consuming sectors. Content is focused under the following tabs:

- Research Reports
- Data & Tools
- Webinars & Events

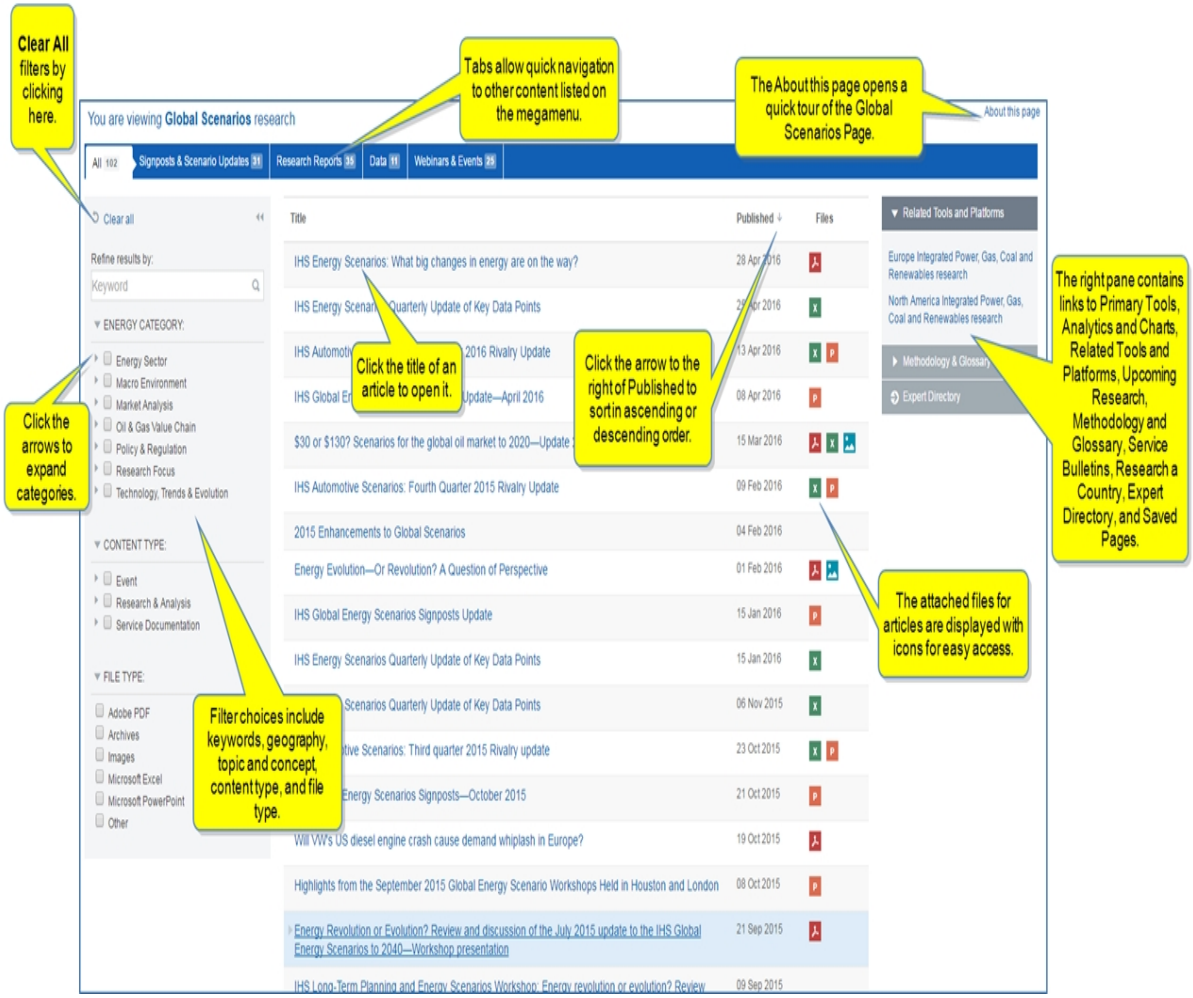


See Layout and features of capabilities for detailed information and illustrations.

Global Scenarios

Global scenarios, for long-term planning, integrates IHS Markit macroeconomic, energy, and automotive outlooks over three unique scenario narratives, including Rivalry, the IHS Markit "planning case." Content is focused under the following tabs:

- Signposts & Scenario Updates
- Research Reports
- Data
- Webinars & Events

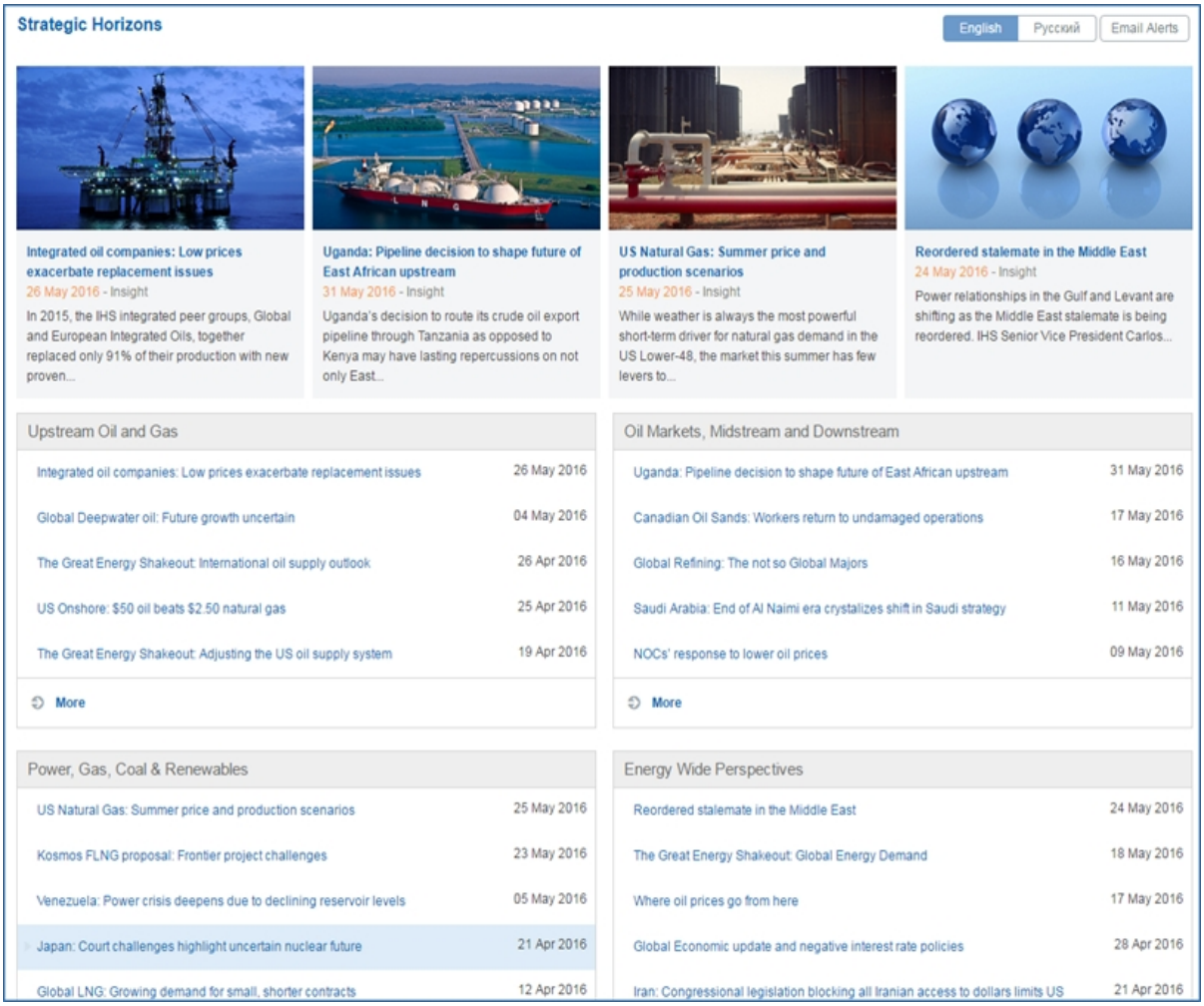


See Layout and features of capabilities for detailed information and illustrations.

Strategic Horizons

Insight reports on global energy trends, exploration and production, refining and marketing, and mid and down-stream gas. Content is focused under the following modules:

- Upstream Oil and Gas
- Oil Markets, Midstream and Downstream
- Power, Gas, Coal & Renewables
- Energy Wide Perspectives

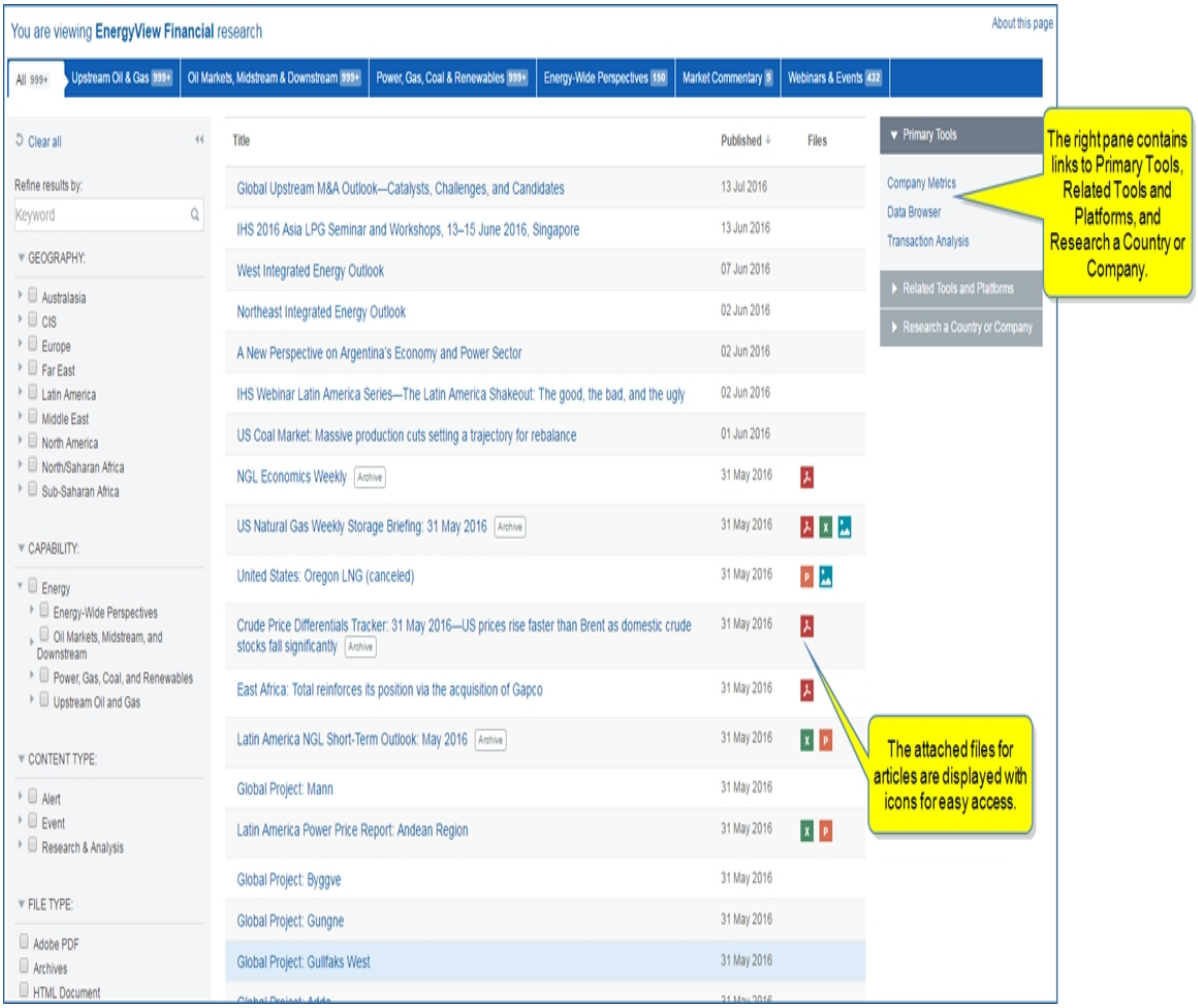


See Layout and features of capabilities for detailed information and illustrations.

EnergyView Financial

EnergyView Financial is a research and analysis portal for institutional investor clients looking for the most critical energy research from across IHS Markit. Content is focused under the following tabs:

- Upstream Oil & Gas
- Oil Markets, Midstream & Downstream
- Power, Gas, Coal & Renewables
- Energy-Wide Perspectives
- Market Commentary
- Webinars & Events

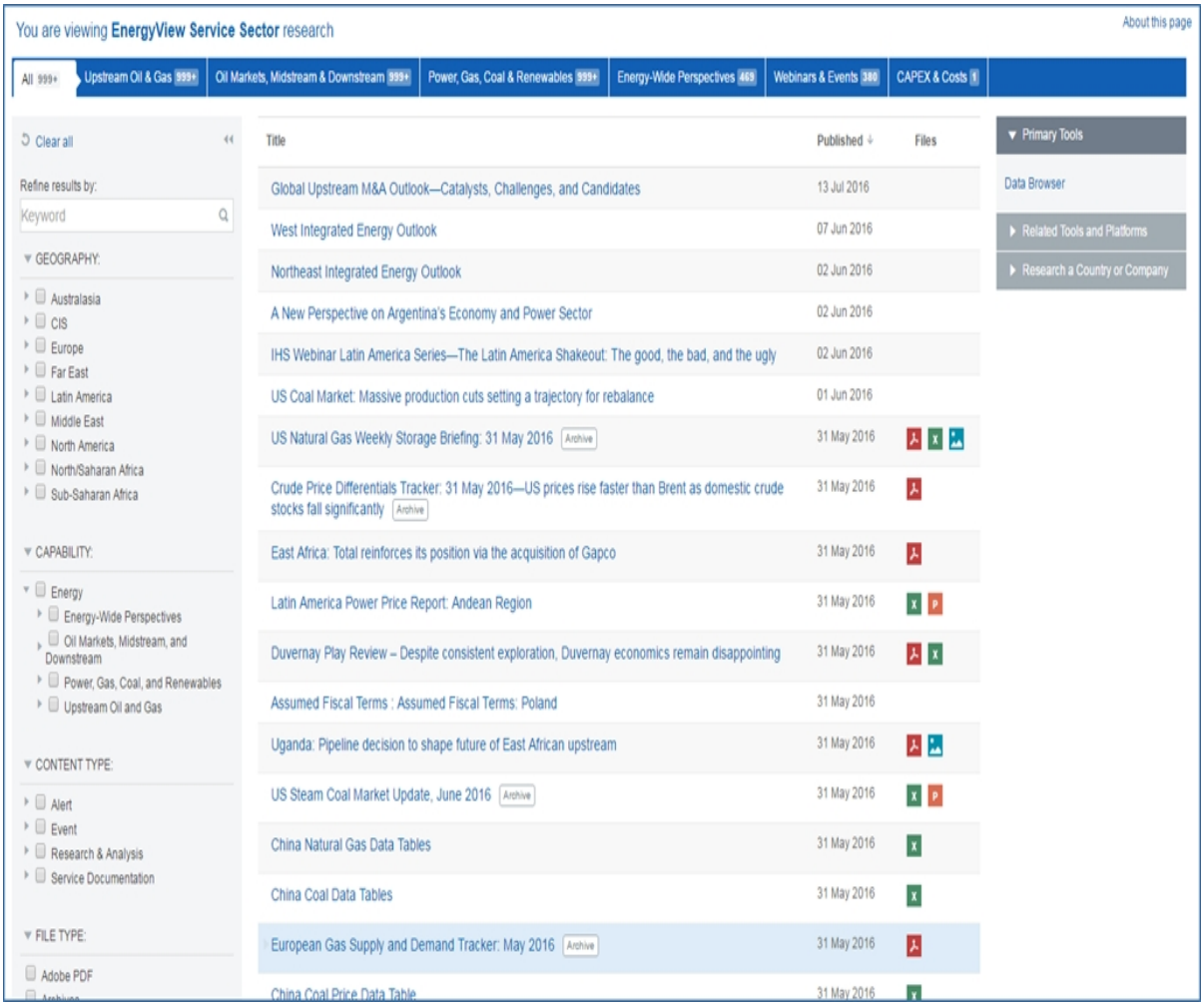


See Layout and features of capabilities for detailed information and illustrations.

EnergyView Service Sector

EnergyView Service Sector is a full range of IHS Markit Energy market research, reports and briefings for the energy services sector. Content is focused under the following tabs:

- Upstream Oil & Gas
- Oil Markets, Midstream & Downstream
- Power, Gas, Coal & Renewables
- Energy-Wide Perspectives
- Webinars & Events
- CAPEX & Costs



See Layout and features of capabilities for detailed information and illustrations.

Accessing information about tools

Data Browser takes you to the main Data Browser tool where you can select datasets.

Map opens the Map tool for geographical illustrations of oil markets, midstream, and downstream information that includes intelligence and terror risks. (You can reach the Map tool from the Menu Bar or within the Tools pane for relevant megamenu and segment pages.)

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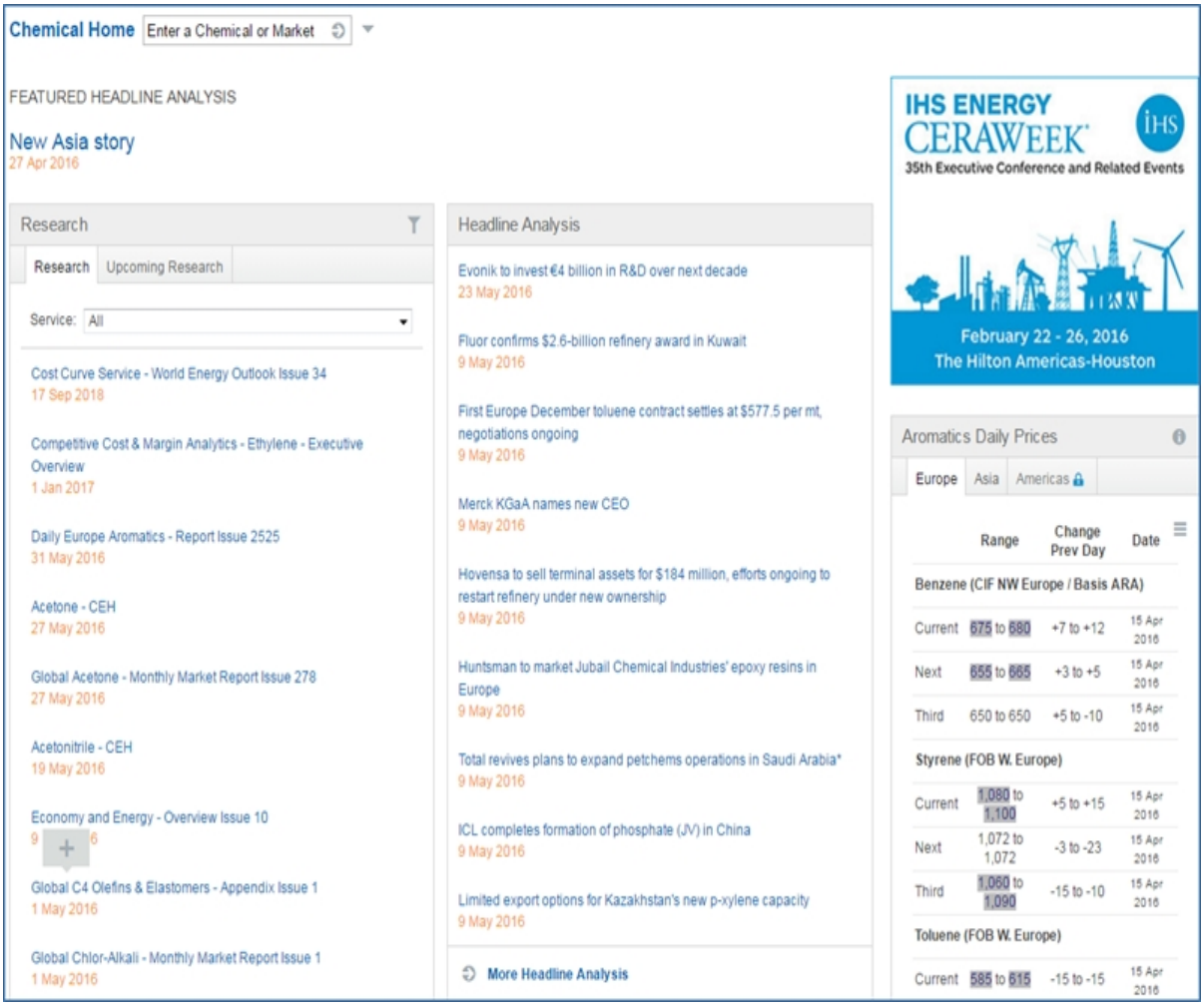
You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

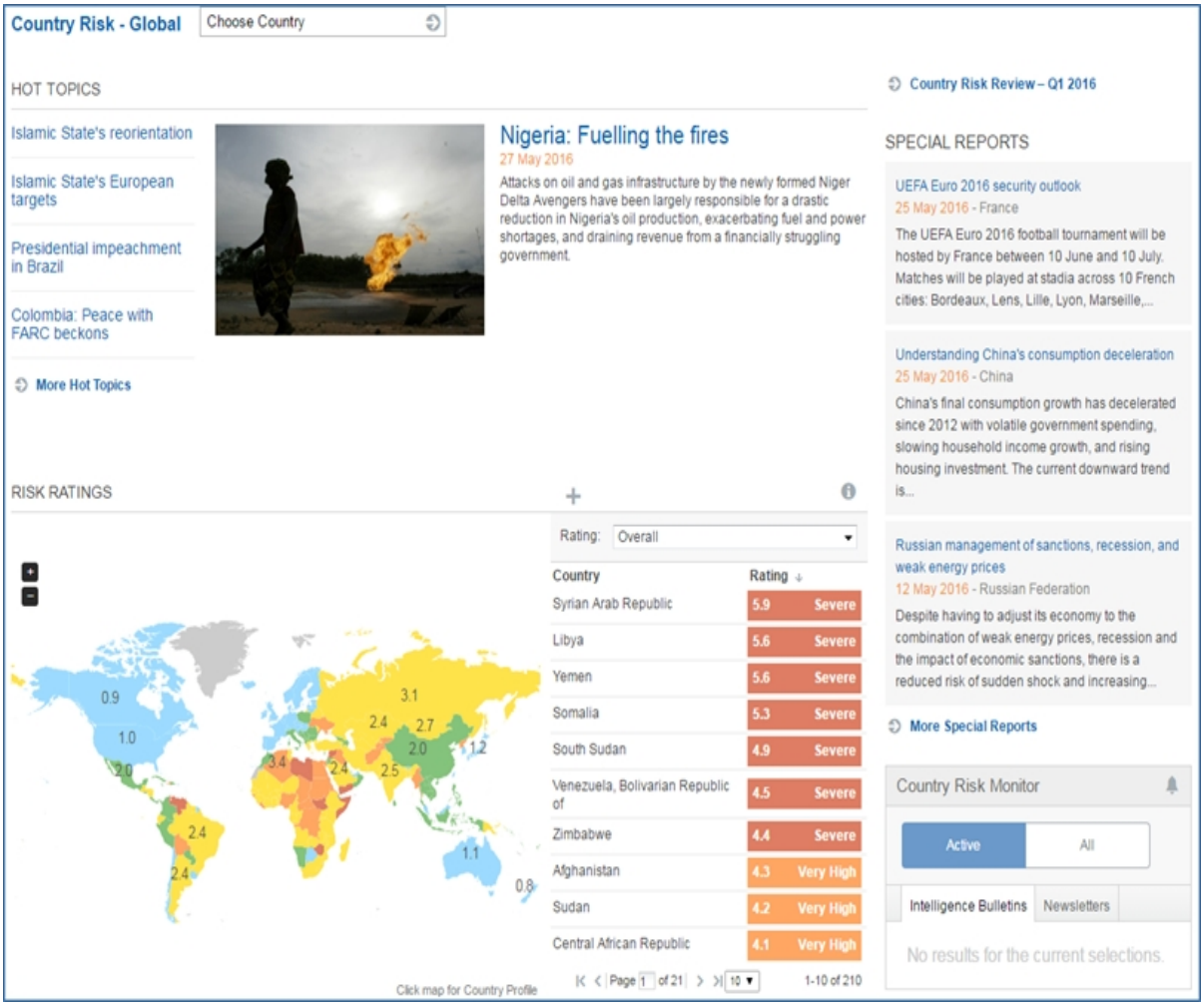
Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of Connect.

Chemical takes you to the Chemical Home Page.



Country Risk takes you to the Country Risk - Global page.



Economics takes you to the Economics - Global page.

IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to Energy-Wide Perspectives.

Life Sciences

Life Sciences megamenu overview

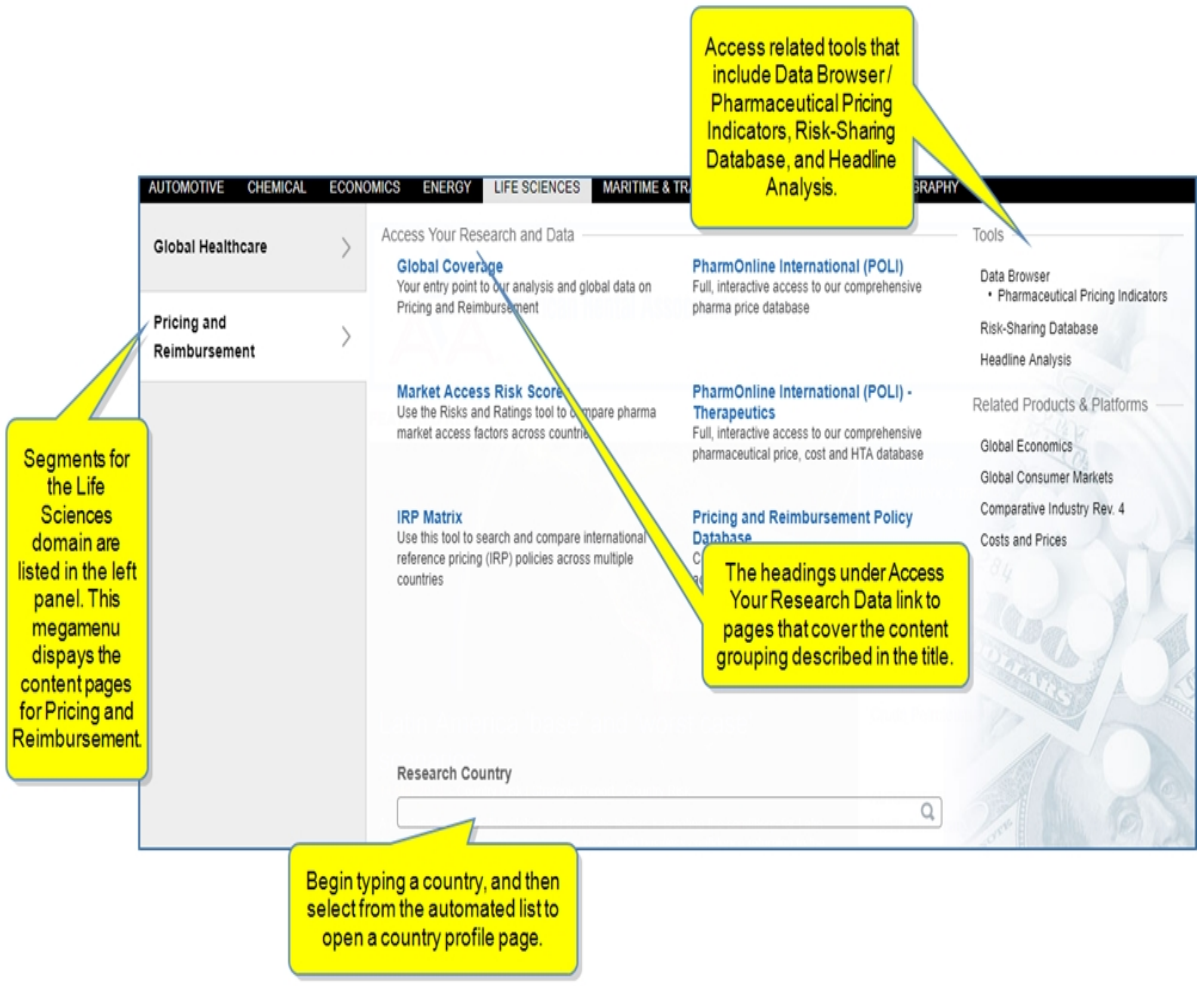
Life Science segment pages cover research and data for **Global Healthcare** and **Pricing and Reimbursement**. By navigating through these segments, research and data pages, and associated Tools and Related Products & Platforms, you can review and compare healthcare and pharmaceutical pricing and financial risk information analyzed for countries all over the world.

The left panel of the megamenu displays the **Global Healthcare** and **Pricing and Reimbursement** segments. Within the topic links under Access Your Research and Data, you can view content, risk type and region using contexual maps and filtering. The Research a Country field at the bottom of the Access Your Research and Data panel for Global Healthcare and Pricing and Reimbursement segments takes you to a country profile when you enter and select a country from the drop-down list displayed.

Access life science pages for each segment from the center panel. Content titles are linked to pages that address important perspectives to the life science segment selected. The Tools and Related Products & Platforms in the right panel take you to analytical and forecasting aids.

Global Healthcare

Pricing and Reimbursement



Use the following links to navigate to the life science Global Healthcare and Pricing and Reimbursement topic pages.

- Healthcare Global
- Pricing and Reimbursement Global

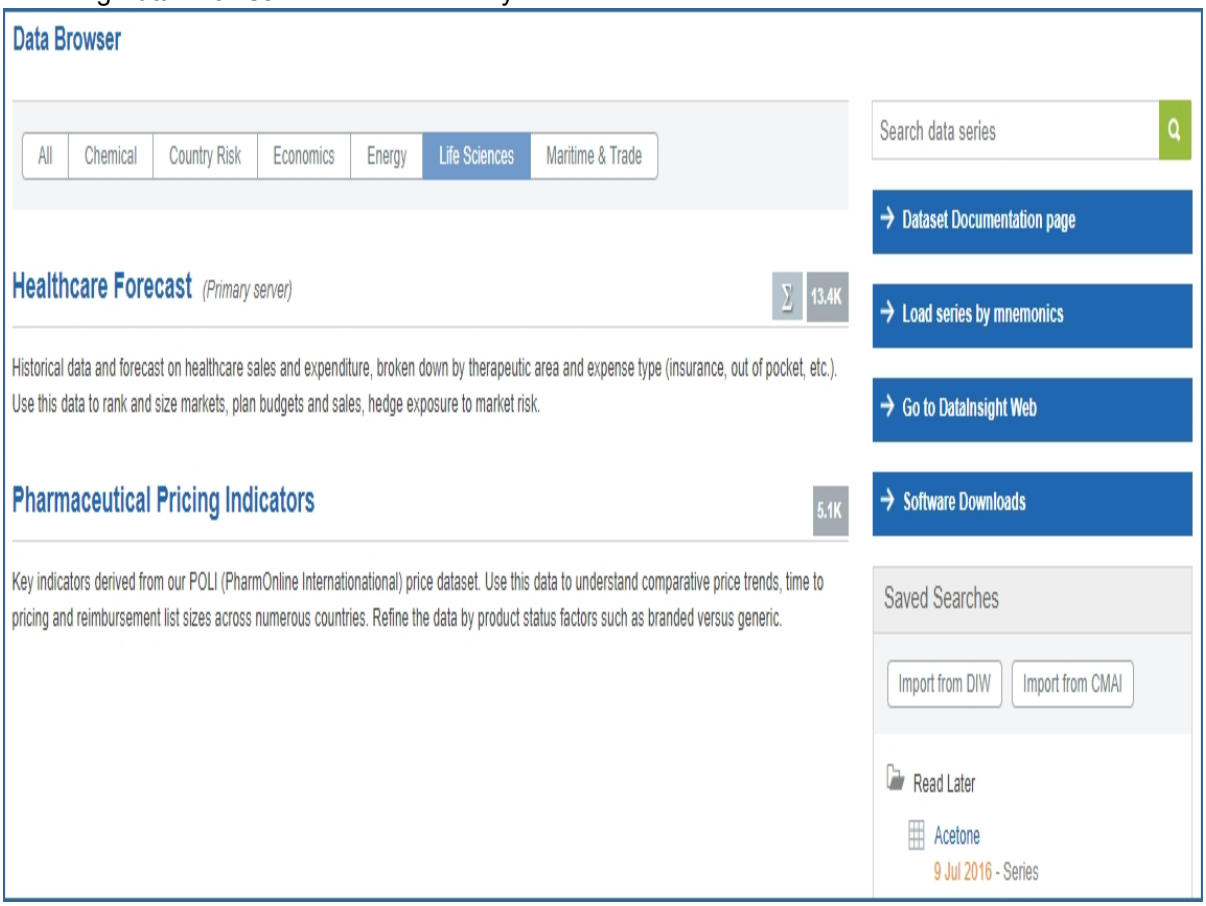
Selecting Global Healthcare and Pricing and Reimbursement tools

Select a tool on the Tools listed on the Global Healthcare and Pricing and Reimbursement pages to access supporting data.

See Country Ranking Tool for more information on this tool.

See Risk-Sharing Database for more information on this tool.

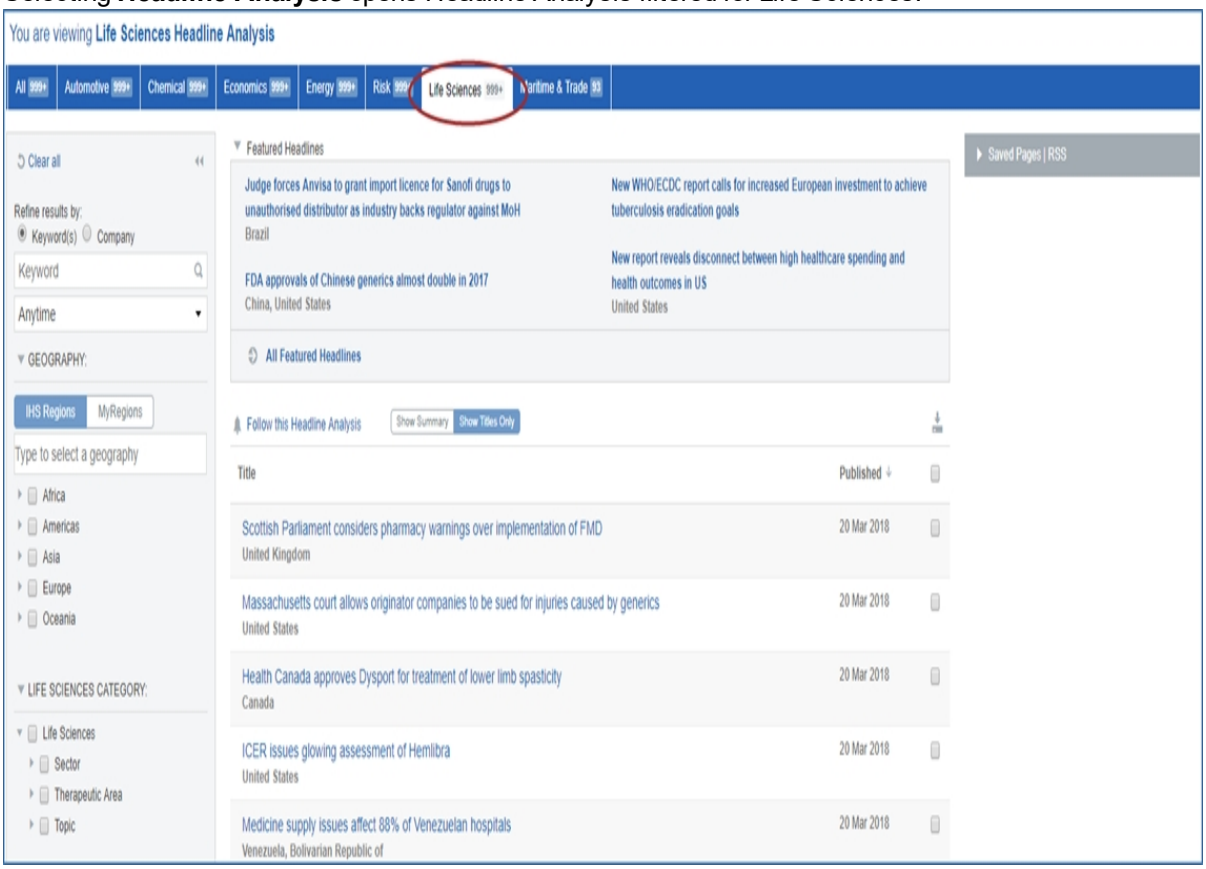
Selecting **Data Browser** under Tools takes you to the Data Browser tool filtered for Life Sciences.



Selecting **Health Forecast** under Tools / Data Browser opens the **Create Query: Healthcare Forecast** page in Data Browser.

For more information about Data Browser, see About Data Browser.

Selecting **Headline Analysis** opens Headline Analysis filtered for Life Sciences.

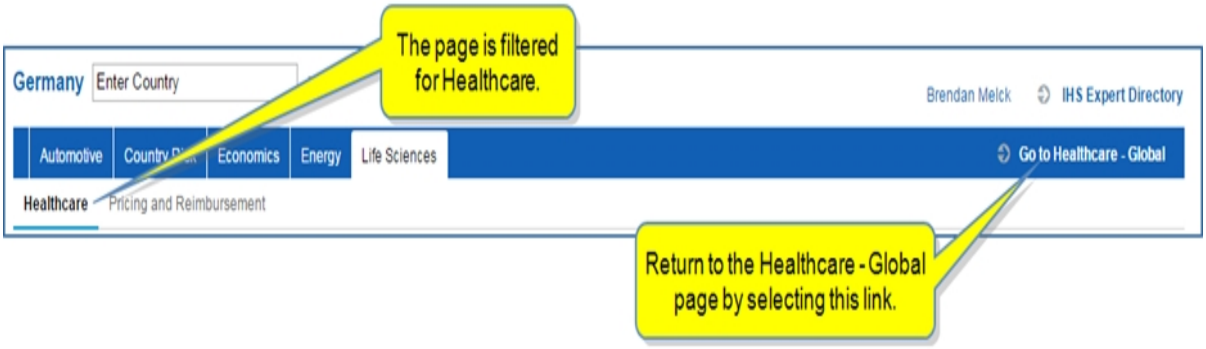


For more information about finding tools, see Accessing information about tools below.

Going to a country page from Healthcare - Global

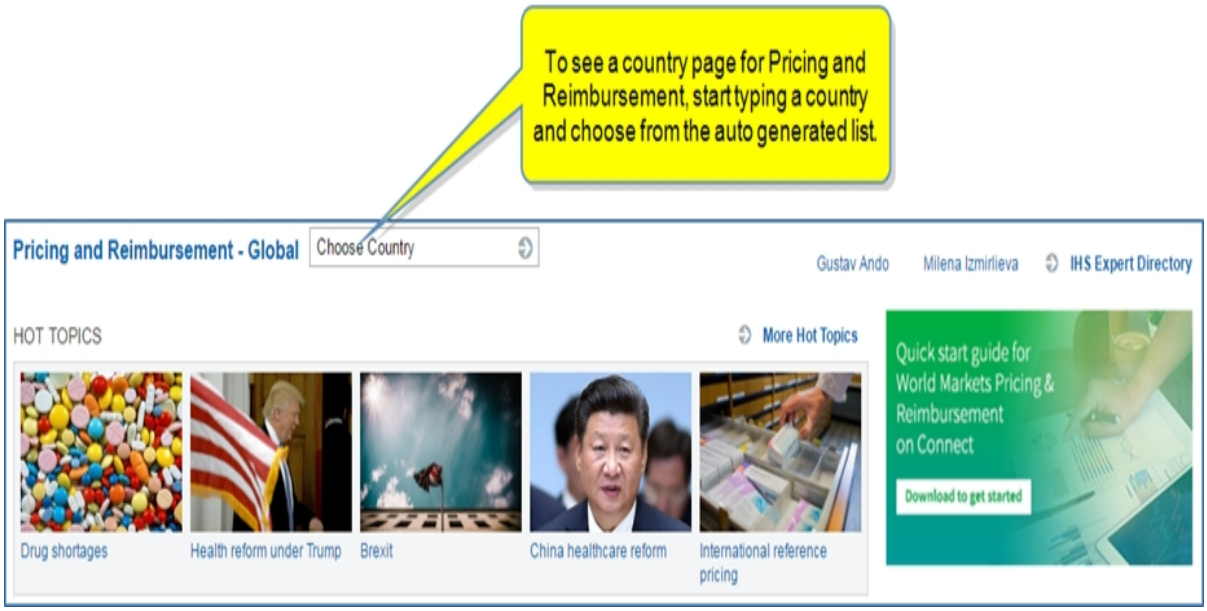
The **Global Coverage** heading on the Global Healthcare segment opens the Healthcare - Global page. From this page, you can choose a country and open a country page with the **Healthcare** tab selected, and you can return to the Healthcare - Global page by selecting the **Go to Healthcare - Global** link.

Use the **Go to Healthcare - Global** link to return to Healthcare - Global.

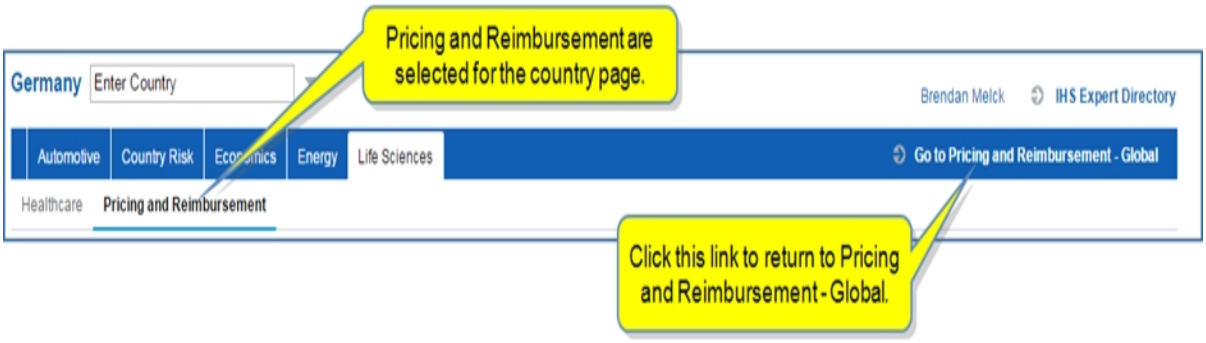


Going to a country page from Pricing and Reimbursement - Global

Likewise, when you choose a country from the Pricing and Reimbursement - Global page, the country page opens with the Pricing and Reimbursement tab selected.



When you want to return to Pricing and Reimbursement - Global, select the **Go to Pricing and Reimbursement** - Global link.



Accessing information about tools

Instructions about using Tools are available in this document, the IHS Connect User Guide.

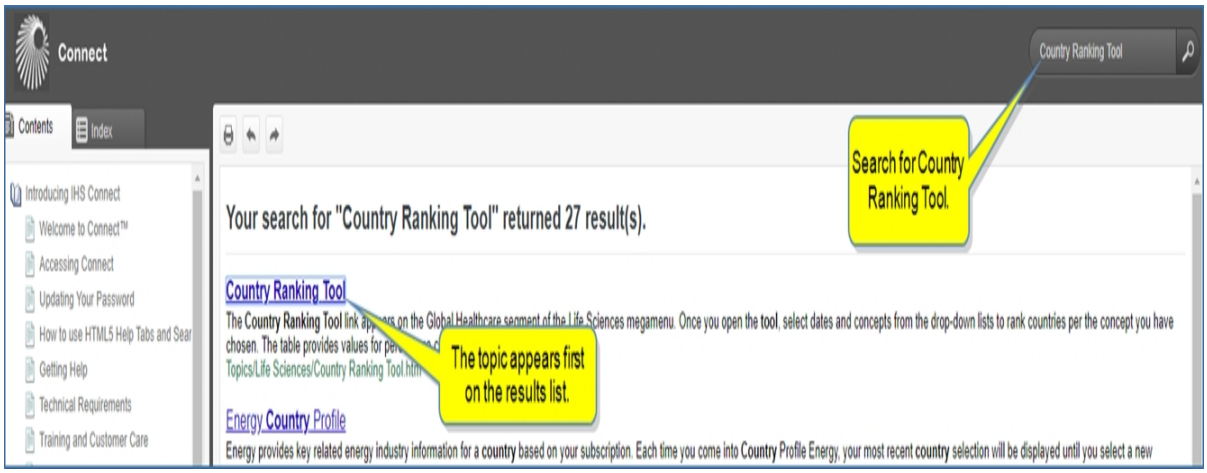
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



Healthcare Global

Global Healthcare content is described below under the following headings and in separate topics for **Country Page - Healthcare**, **Country Profile Matrix**, and **Biosimilars Market Database**:

- Global Coverage Healthcare
- Special Reports
- Research a Country
- Accessing information about tools

- Country Page - Healthcare
- Country Profile Matrix
- Biosimilars Market Database

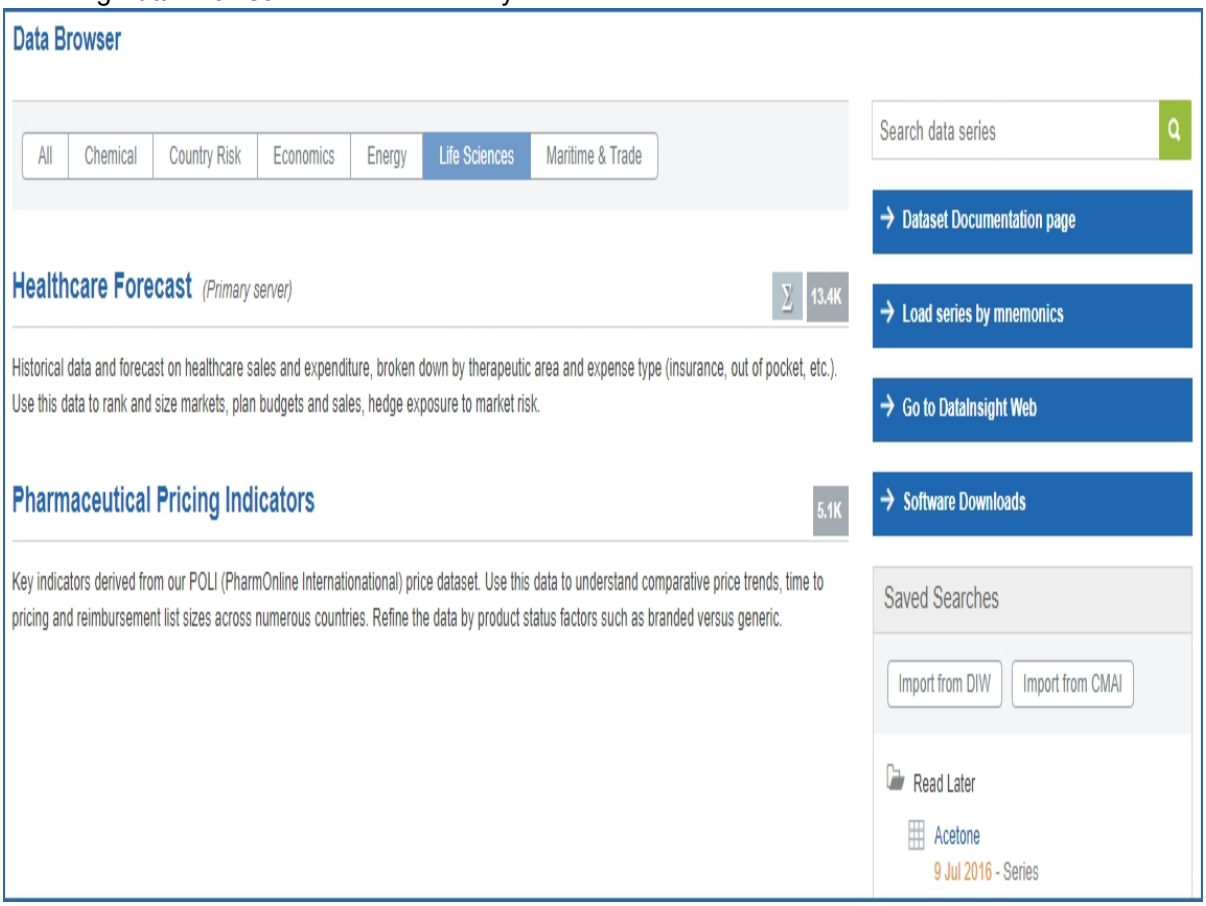
Reviewing available tools

Select a tool under Tools in the right panel to access supporting data. In addition, see Accessing information about tools below for more details.

View the topic, Country Ranking Tool for more information.

View the topic, Risk-Sharing Database for more information.

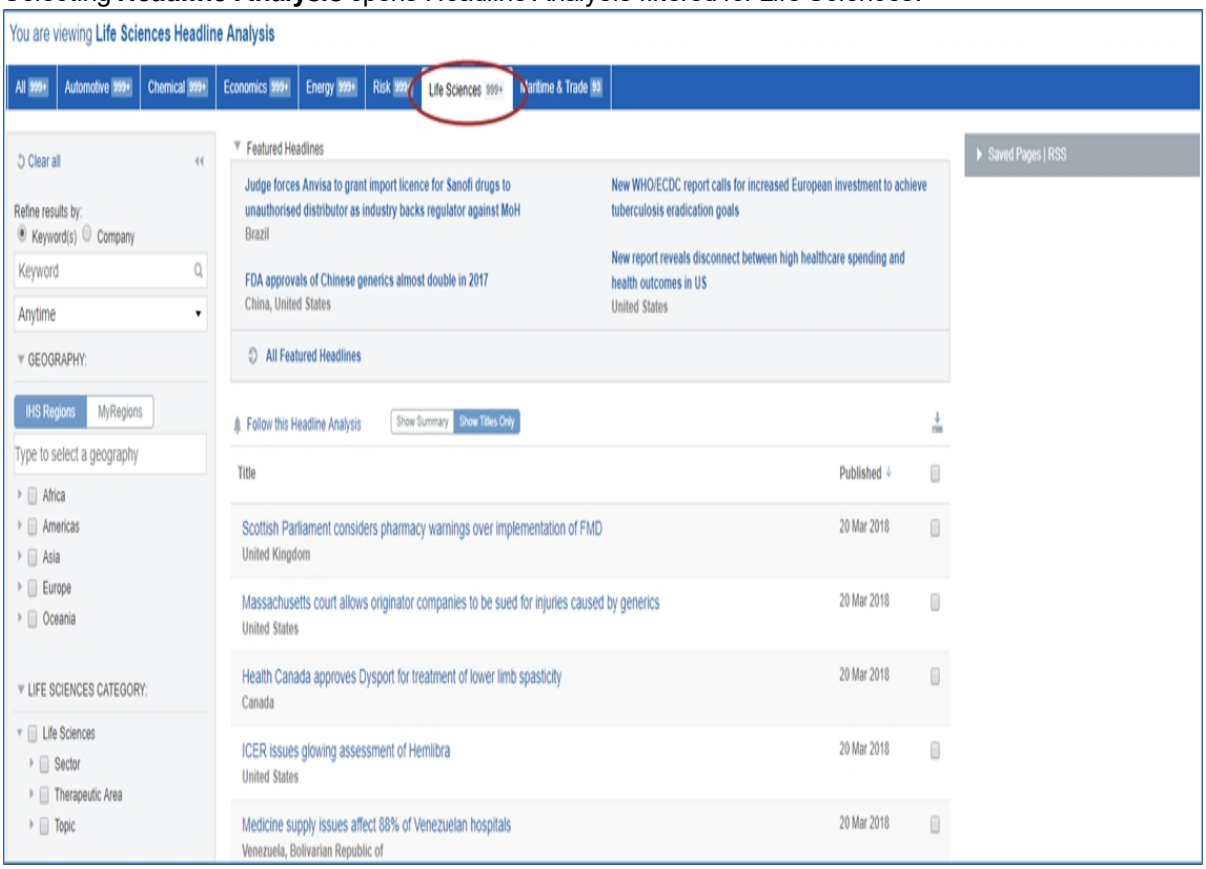
Selecting **Data Browser** under Tools takes you to the Data Browser tool filtered for Life Sciences.



Selecting **Health Forecast** under Tools / Data Browser opens the **Create Query: Healthcare Forecast** page in Data Browser.

For more information about Data Browser, see About Data Browser.

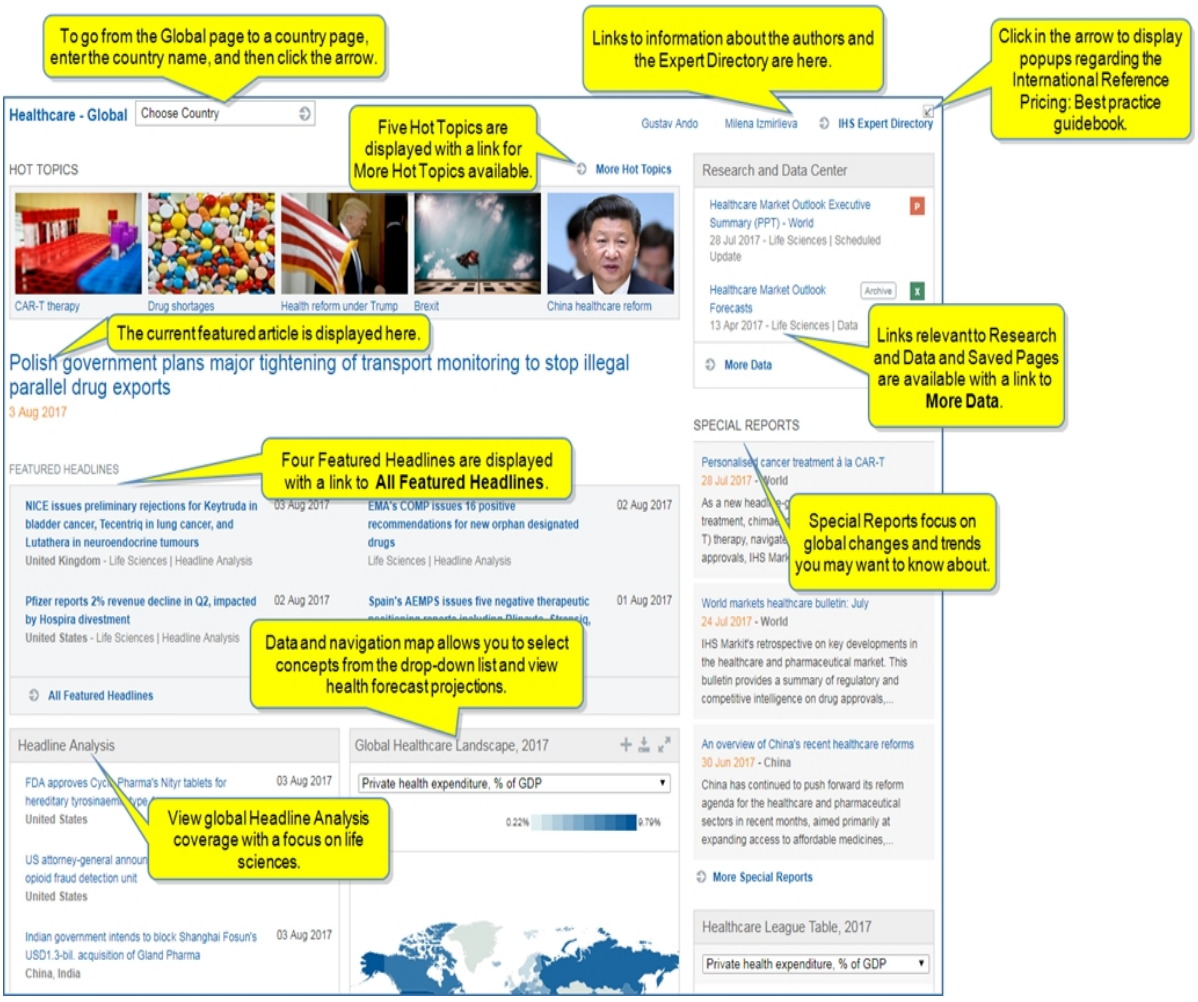
Selecting **Headline Analysis** opens Headline Analysis filtered for Life Sciences.

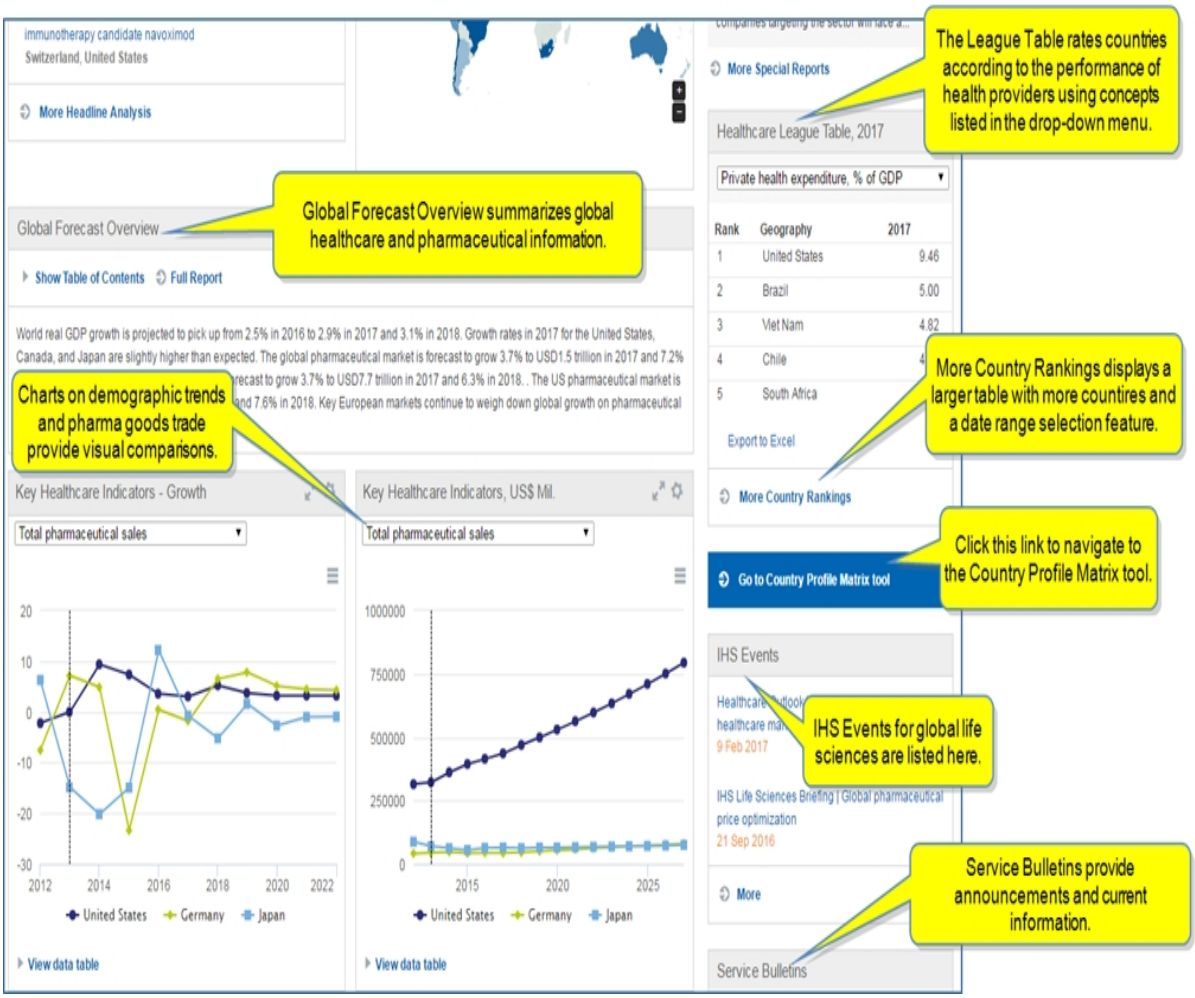


Global Coverage Healthcare

On the Global Coverage page, you can view modules that present global information, or you can navigate to a country page with Life Sciences selected by entering a country in the **Choose Country** field. Once on a country page, you can return to the global page by clicking the **Go to Healthcare - Global** link.

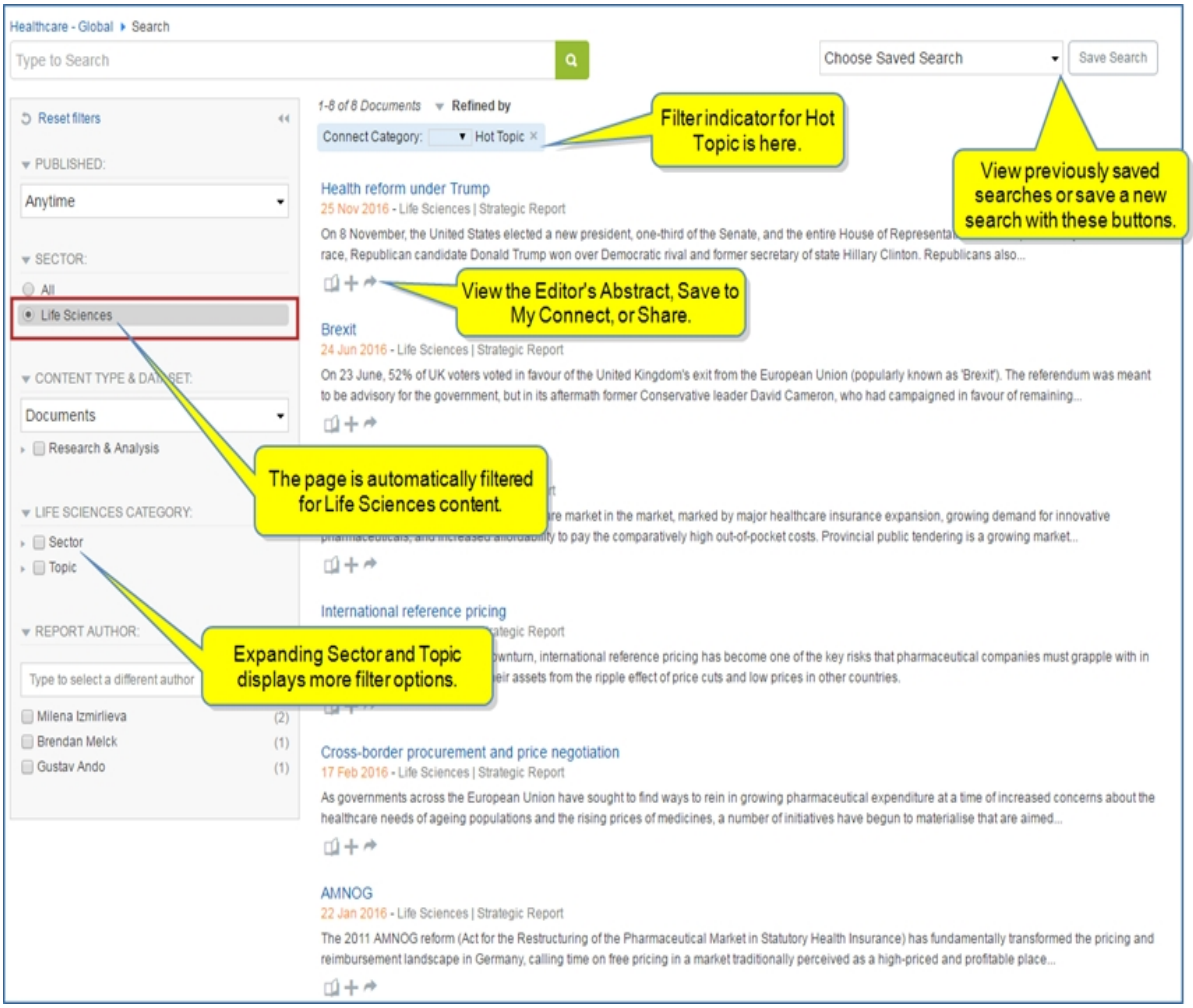
Global Coverage is your entry point to Connect analysis and forecasts of worldwide trends in the healthcare sector. The global view displays five Hot Topics, a prominent headline, Featured Headlines, Research and Data Center, Special Reports, Headline Analysis, Global Healthcare Landscape data map, Healthcare League Table, Global Forecast Overview, Key Healthcare Indicator interactive charts, Biosimilars Data, IHS Events, Service Bulletins, and Methodology & Glossary.


To go from the Global page to a country page, enter the country name, and then click the arrow.
Links to information about the authors and the Expert Directory are here.
Click in the arrow to display popups regarding the International Reference Pricing: Best practice guidebook.
Healthcare - Global
Choose Country
Gustav Ando
Milena Izmirlieva
IHS Expert Directory
Five Hot Topics are displayed with a link for More Hot Topics available.
HOT TOPICS
More Hot Topics
CAR-T therapy
Drug shortages
Health reform under Trump
Brexit
China healthcare reform
Research and Data Center
Healthcare Market Outlook Executive Summary (PPT) - World
28 Jul 2017 - Life Sciences | Scheduled Update
Healthcare Market Outlook Forecasts
13 Apr 2017 - Life Sciences | Data
Archive
The current featured article is displayed here.
Polish government plans major tightening of transport monitoring to stop illegal parallel drug exports
3 Aug 2017
Links relevant to Research and Data and Saved Pages are available with a link to More Data.
More Data
SPECIAL REPORTS
Four Featured Headlines are displayed with a link to All Featured Headlines.
FEATURED HEADLINES
NICE issues preliminary rejections for Keytruda in bladder cancer, Tecentriq in lung cancer, and Lutathera in neuroendocrine tumours
03 Aug 2017
United Kingdom - Life Sciences | Headline Analysis
EMA's CHMP issues 16 positive recommendations for new orphan designated drugs
02 Aug 2017
Life Sciences | Headline Analysis
Pfizer reports 2% revenue decline in Q2, impacted by Hospira divestment
02 Aug 2017
United States - Life Sciences | Headline Analysis
Spain's AEMPS issues five negative therapeutic
01 Aug 2017
Special Reports focus on global changes and trends you may want to know about.
Personalised cancer treatment à la CAR-T
28 Jul 2017 - World
World markets healthcare bulletin: July
24 Jul 2017 - World
IHS Markit's retrospective on key developments in the healthcare and pharmaceutical market. This bulletin provides a summary of regulatory and competitive intelligence on drug approvals,...
All Featured Headlines
Data and navigation map allows you to select concepts from the drop-down list and view health forecast projections.
Headline Analysis
FDA approves Cyclo Pharma's Nityr tablets for
03 Aug 2017
United States
US attorney-general announ
opioid fraud detection unit
United States
Indian government intends to block Shanghai Fosun's USD1.3-bil. acquisition of Gland Pharma
03 Aug 2017
China, India
View global Headline Analysis coverage with a focus on life sciences.
Global Healthcare Landscape, 2017
Private health expenditure, % of GDP
0.22%
9.79%
An overview of China's recent healthcare reforms
30 Jun 2017 - China
China has continued to push forward its reform agenda for the healthcare and pharmaceutical sectors in recent months, aimed primarily at expanding access to affordable medicines,...
More Special Reports
Healthcare League Table, 2017
Private health expenditure, % of GDP


The League Table rates countries according to the performance of health providers using concepts listed in the drop-down menu.
Global Forecast Overview summarizes global healthcare and pharmaceutical information.
Charts on demographic trends and pharma goods trade provide visual comparisons.
More Country Rankings displays a larger table with more countires and a date range selection feature.
Click this link to navigate to the Country Profile Matrix tool.
IHS Events for global life sciences are listed here.
Service Bulletins provide announcements and current information.
immunotherapy candidate navoximod
Switzerland, United States
More Headline Analysis
More Special Reports
Healthcare League Table, 2017
Private health expenditure, % of GDP
Rank Geography 2017
1 United States 9.46
2 Brazil 5.00
3 Viet Nam 4.82
4 Chile
5 South Africa
Export to Excel
More Country Rankings
Global Forecast Overview
Show Table of Contents
Full Report
World real GDP growth is projected to pick up from 2.5% in 2016 to 2.9% in 2017 and 3.1% in 2018. Growth rates in 2017 for the United States, Canada, and Japan are slightly higher than expected. The global pharmaceutical market is forecast to grow 3.7% to USD1.5 trillion in 2017 and 7.2%
recast to grow 3.7% to USD7.7 trillion in 2017 and 6.3% in 2018. . The US pharmaceutical market is
and 7.6% in 2018. Key European markets continue to weigh down global growth on pharmaceutical
Key Healthcare Indicators - Growth
Total pharmaceutical sales
20
10
0
-10
-20
-30
2012 2014 2016 2018 2020 2022
United States Germany Japan
View data table
Key Healthcare Indicators, US$ Mil.
Total pharmaceutical sales
1000000
750000
500000
250000
0
2015 2020 2025
United States Germany Japan
View data table
Go to Country Profile Matrix tool
IHS Events
9 Feb 2017
IHS Life Sciences Briefing | Global pharmaceutical price optimization
21 Sep 2016
More
Service Bulletins

Hot Topics

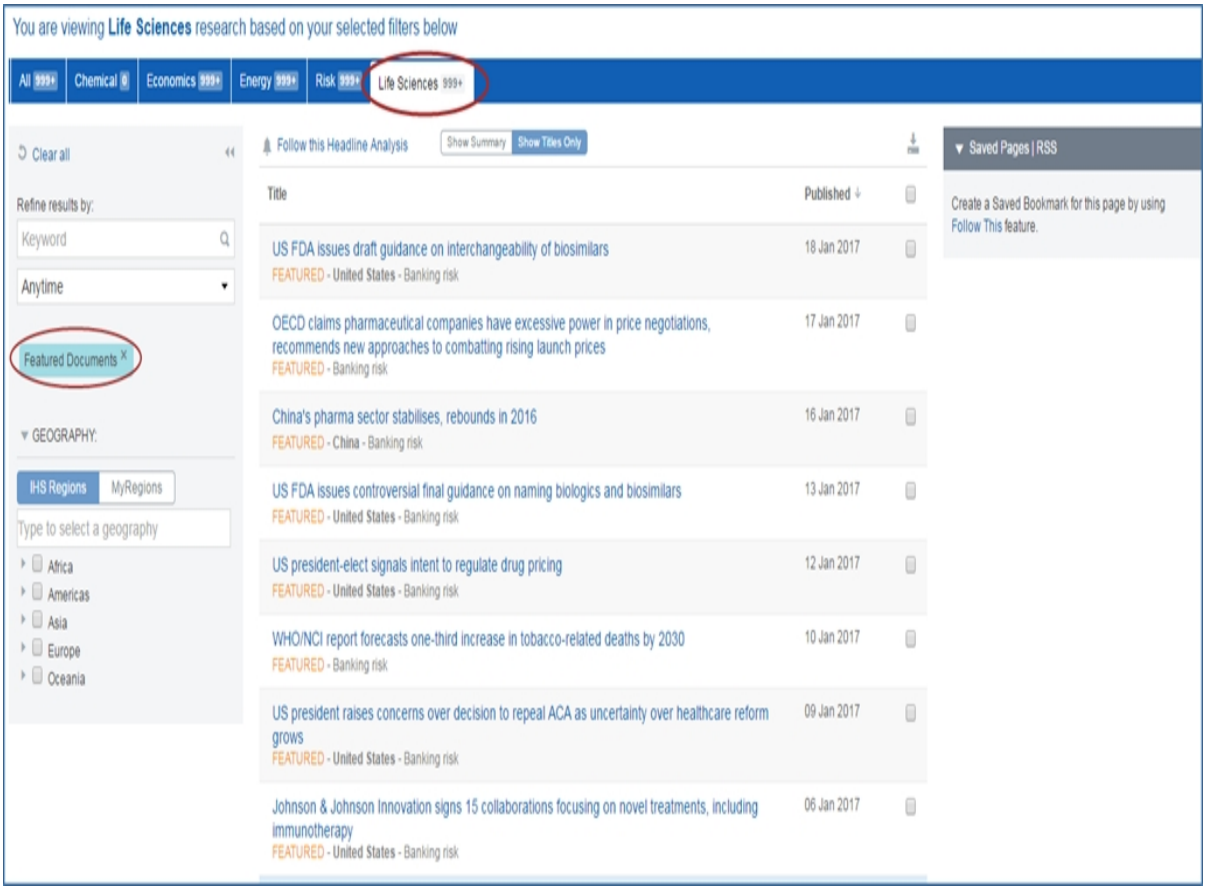
Five global hot topics are displayed with a link to view **More Hot Topics**. Clicking the link takes you to a Healthcare - Global Search page with documents filtered for Life Sciences.



For more information about the Search page, see Searching in Connect.

Featured Article and Headlines

The featured article and headlines display current documents focusing on trends of life sciences. To view **All Featured Headlines**, click the link. All global featured headlines are displayed in the maximized Headline Analysis page with Featured Documents automatically selected as the filter.



Research and Data Center

Research and data center documentation are displayed with links in this module.

Special Reports

Special Reports focus on global changes and trends you may want to know about.

Headline Analysis

Global Headline Analysis about the pharmaceutical business is provided in this module. Click the title of an article to open it. You can save, share, export, or print the article and review related documents. The author's name appears at the bottom of the article as a link to contact information. In addition, the **IHS Expert Directory** link takes you to a directory of all experts for Connect.

Global Healthcare Landscape

Global Healthcare Landscape displays an interactive map that uses percentages and a color bar legend to convey comparisons between countries. Hover over countries to display results. The results are also indicated with a marker in the legend bar. Save, export, or maximize the display using the icons in the upper right.

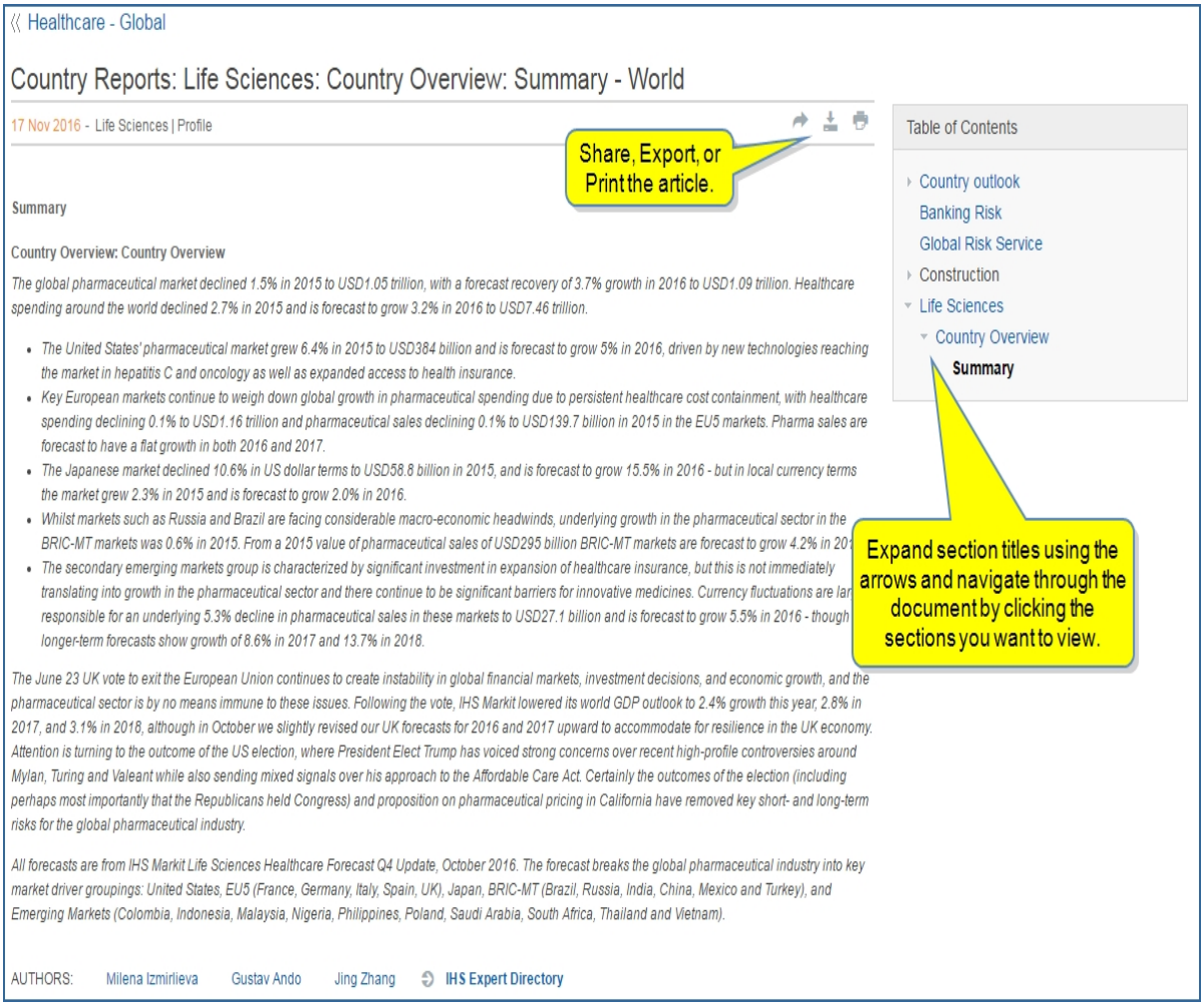
Change the concept displayed by selecting from the drop-down list.

Click a country on the map to display the country profile.

Global Forecast Overview

The Global Forecast Overview summarizes healthcare and pharmaceutical information and risk. The report is divided into topics and sections. You can view the sections and navigate through the Overview by showing the Table of Contents or selecting **Full Report**.

The full report displays the Table of Contents to the right of the article. Links to the contact information for the authors and the IHS Expert Directory appear at the bottom of the article.

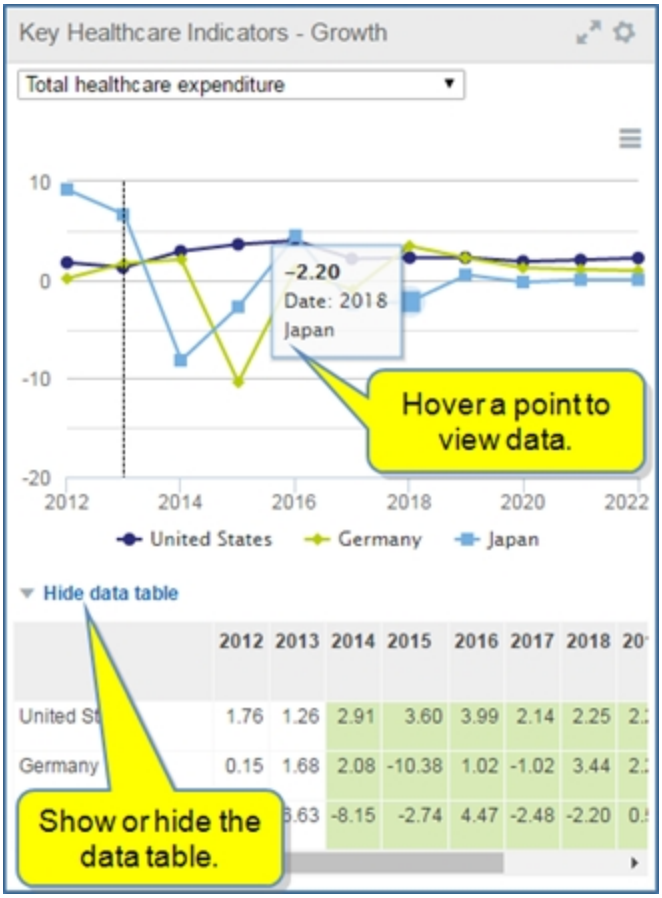


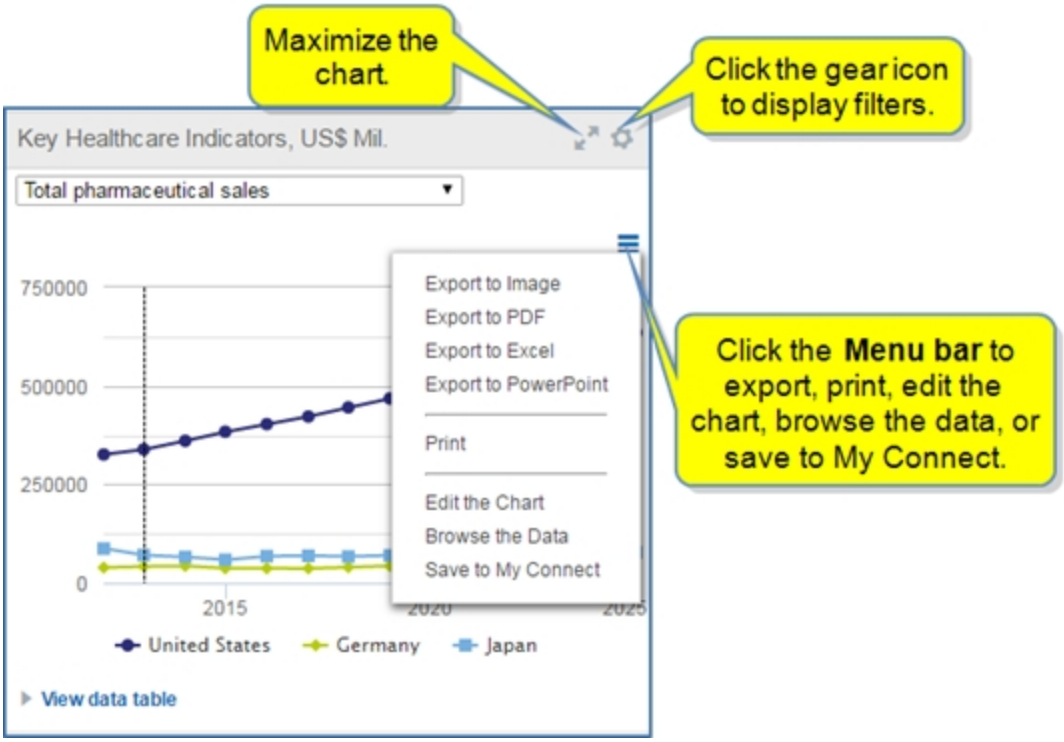
Healthcare League Table

The Healthcare League Table rates countries according to the performance of health providers using concepts listed in the drop-down menu. Select a concept from the drop-down list, view the position of your selected country's ranking, export to Excel, or view more country rankings.

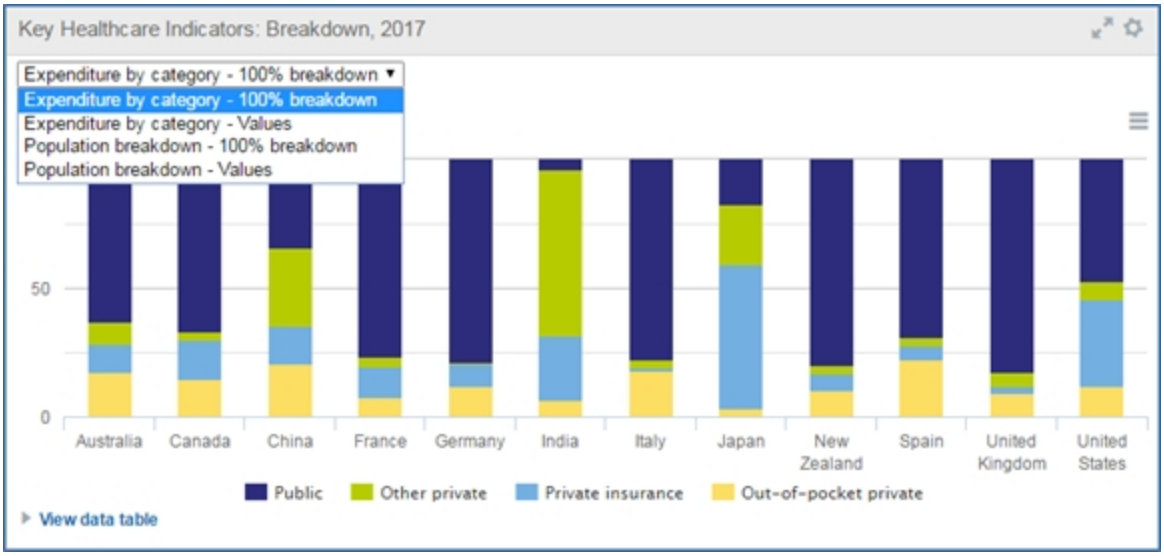
Charts

The charts available on the global page show Key Healthcare Indicators for Growth, Sales, and Breakdown. The Breakdown chart shows expenditure and population breakdowns. You can show or hide the data table for each of these charts. You can hover over the chart to display specific information for a point on the chart. You can also export, print, or edit the chart, browse the data, or save the chart to My Connect. Display the drop-down list of concepts to select the content you want displayed.


Key Healthcare Indicators - Growth
Total healthcare expenditure
10
0
-10
-20
2012
2014
2016
2018
2020
2022
-2.20
Date: 2018
Japan
Hover a point to view data.
United States
Germany
Japan
Hide data table
2012 2013 2014 2015 2016 2017 2018
United St 1.76 1.26 2.91 3.60 3.99 2.14 2.25
Germany 0.15 1.68 2.08 -10.38 1.02 -1.02 3.44
-8.15 -2.74 4.47 -2.48 -2.20
Show or hide the data table.

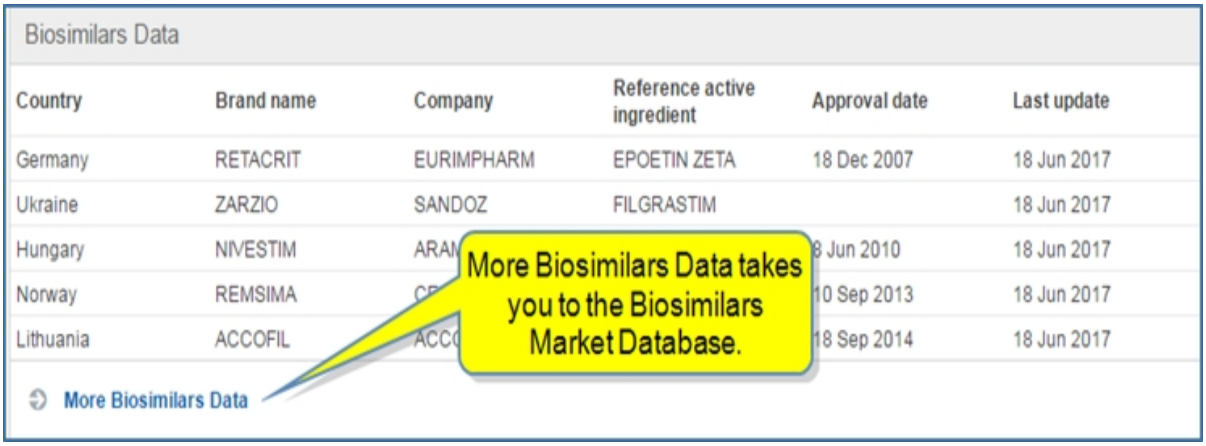

Maximize the chart.
Click the gear icon to display filters.
Key Healthcare Indicators, US$ Mil.
Total pharmaceutical sales
750000
500000
250000
0
2015
Export to Image
Export to PDF
Export to Excel
Export to PowerPoint
Print
Edit the Chart
Browse the Data
Save to My Connect
Click the Menu bar to export, print, edit the chart, browse the data, or save to My Connect.
United States
Germany
Japan
View data table

Key Healthcare Indicators, US$ Mil.
Total pharmaceutical sales
Total pharmaceutical sales
Total healthcare expenditure
Total private healthcare expenditure
Total public healthcare expenditure
Private out-of-pocket healthcare expenditure

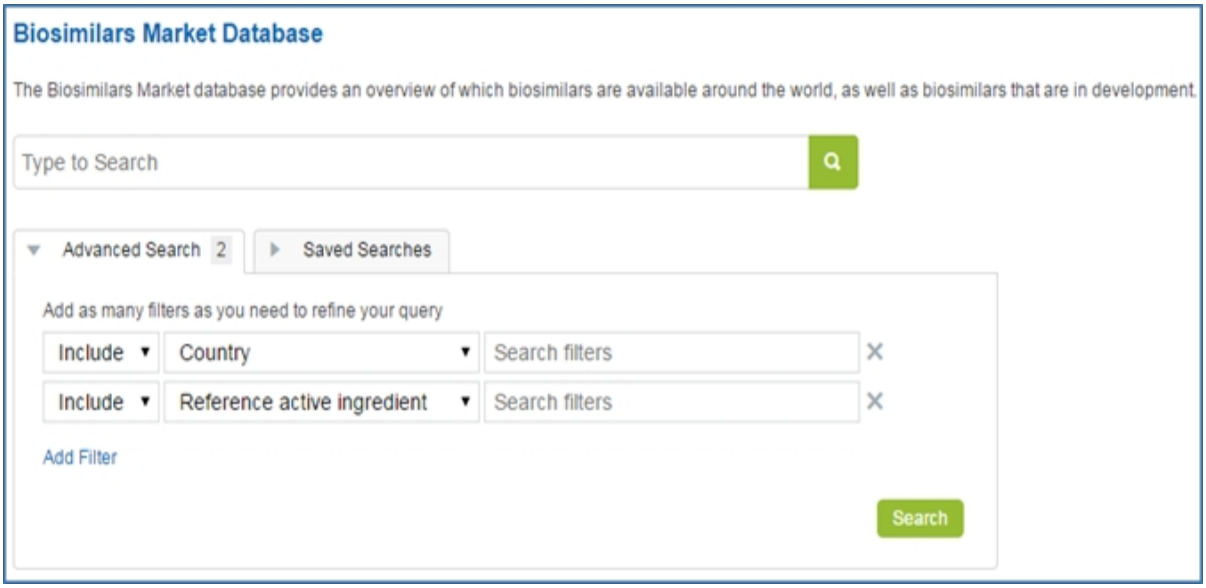


Biosimilars Data

The Biosimilars Data table compares similar drugs that have been approved in countries. The table includes the brand name, company, reference active ingredient, approval date, and last update.



Selecting the **More Biosimilars Data** link opens the Biosimilars Market Database where you can search for biosimilars available around the world as well as biosimilars that are in development.



For detailed information about the Biosimilars Market Database, see Healthcare Global.

Service Bulletins

Service Bulletins advise you of product enhancements and client events from Economics & Country Risk. In addition Life Science bulletins are displayed in this module.

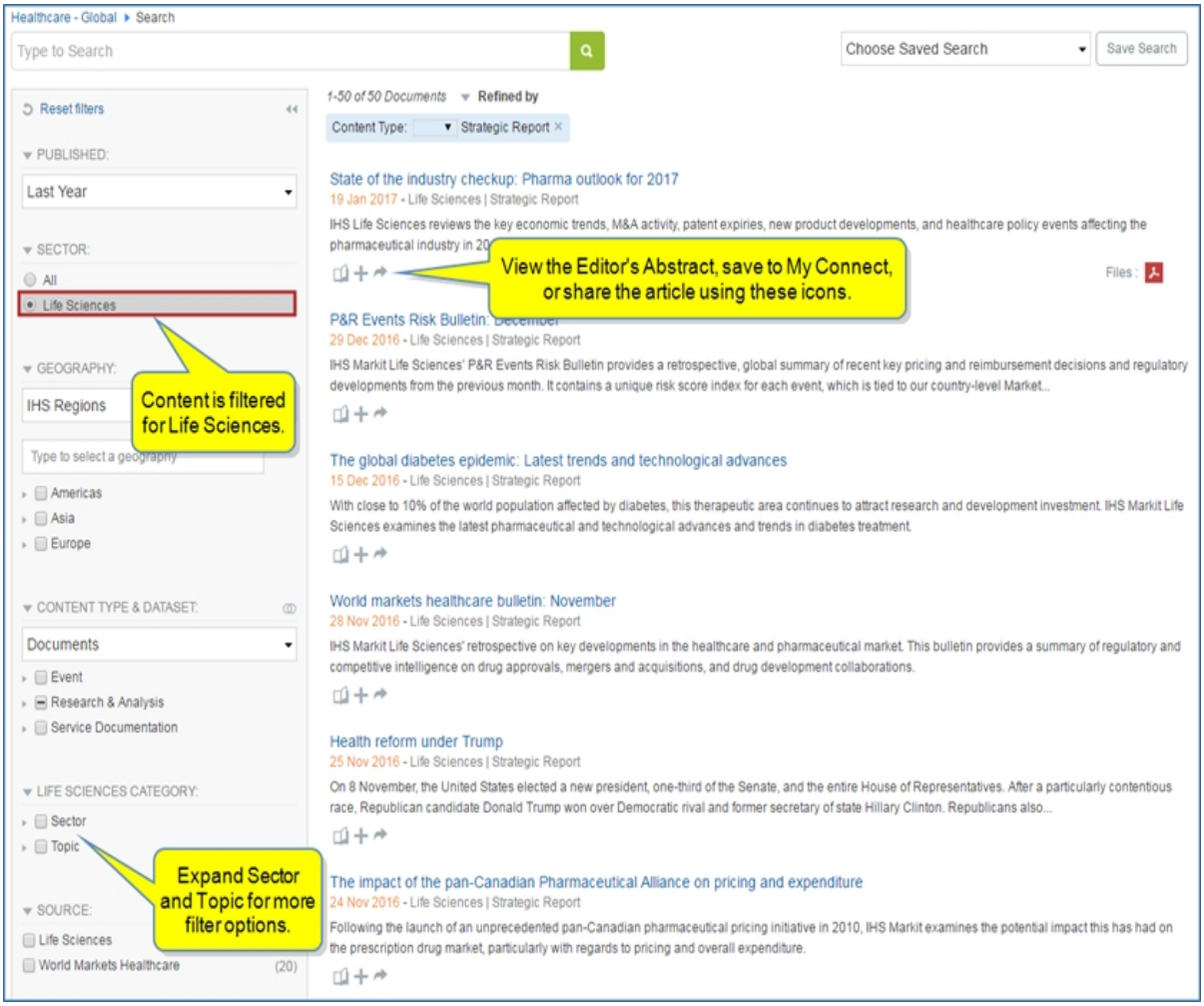
Methodology and Glossary

Heathcare Methodology documentation is available by clicking the links displayed in this module.

See Country Page - Healthcare for details about the country page.

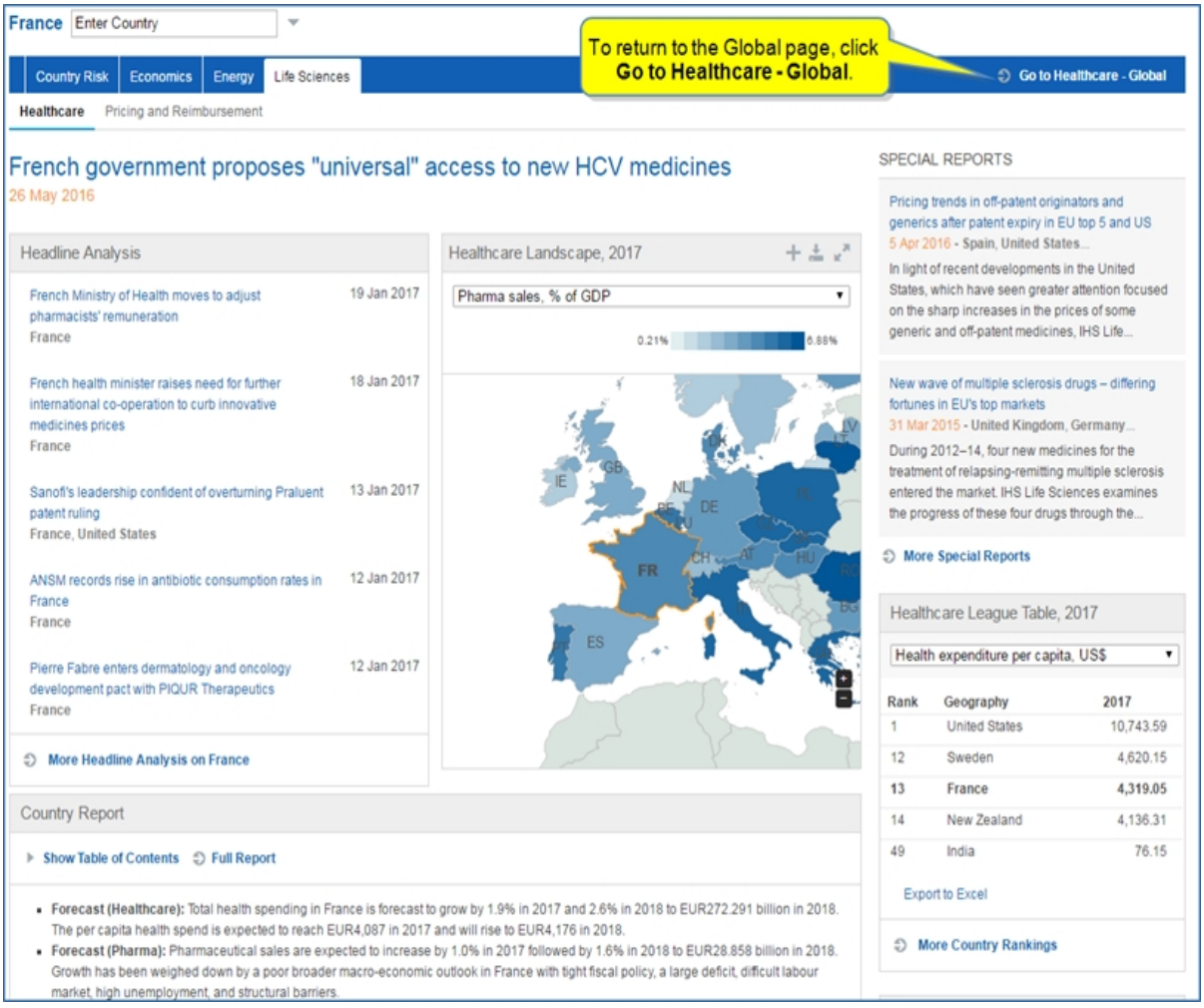
Special Reports

Special Reports takes you to the Search page filtered for Life Sciences. For more information about the Search page, see Searching in Connect.



Research a Country

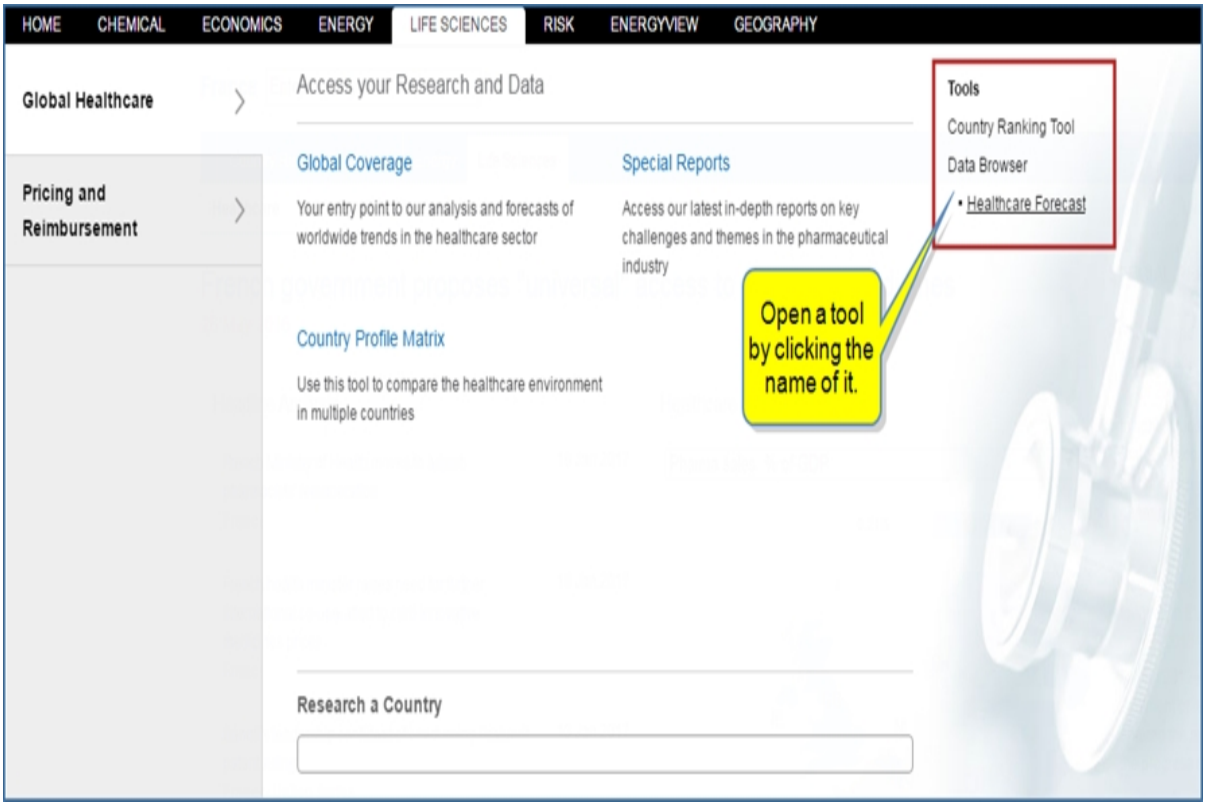
Enter a country name in the **Research a Country** field to navigate to an individual country page. See Healthcare Global, for more information about the country profile page.



Accessing information about tools

The tools available to Global Healthcare are listed in the right panel. Click the name of a tool to open it.

- **Country Ranking Tool**—opens the Life Sciences Country Ranking Table.
- **Data Browser**—opens Data Browser filtered for Life Sciences. See About Data Browser.
- **Healthcare Forecast**—opens the query page for Healthcare Forecast in Data Browser



Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

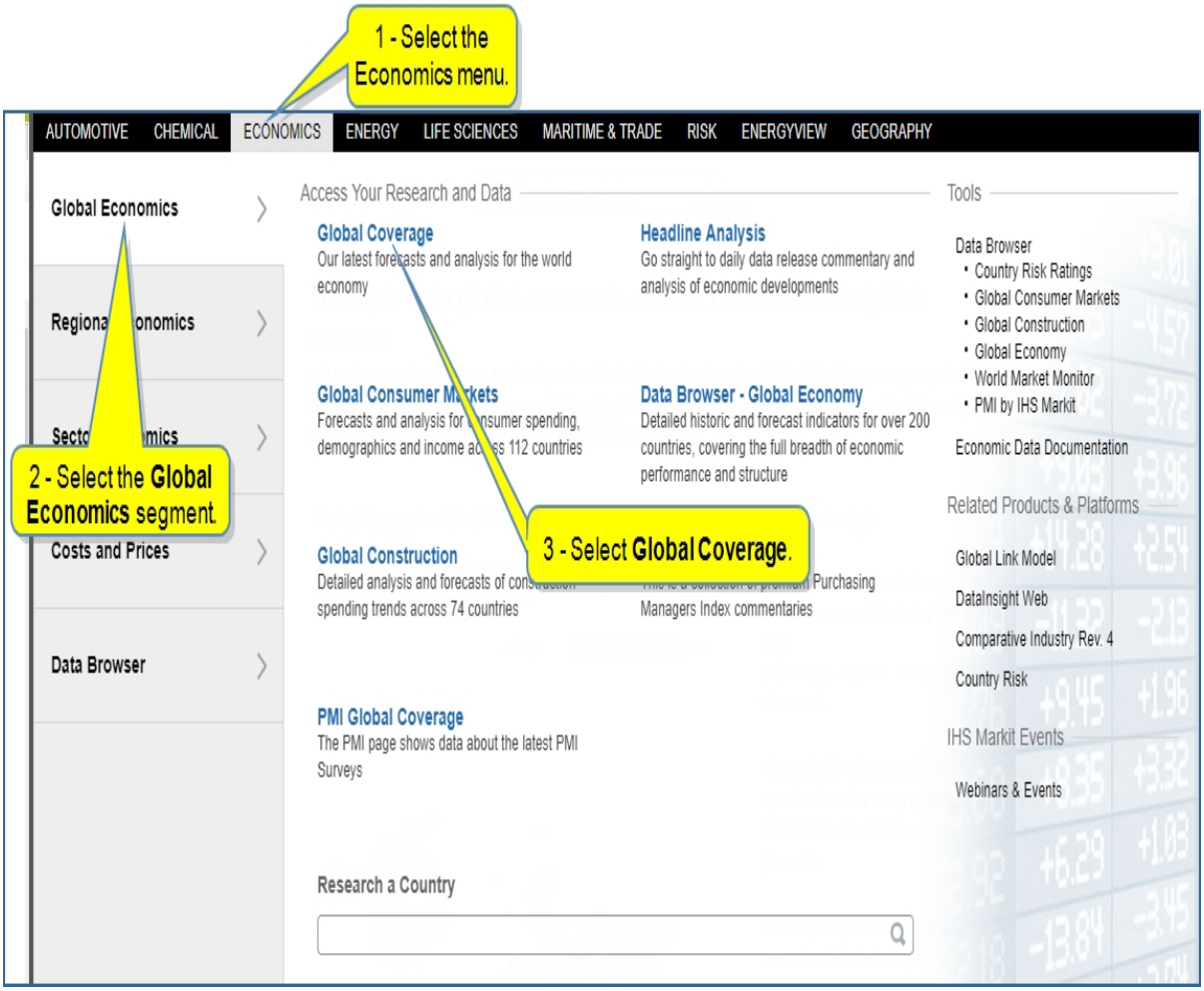
You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

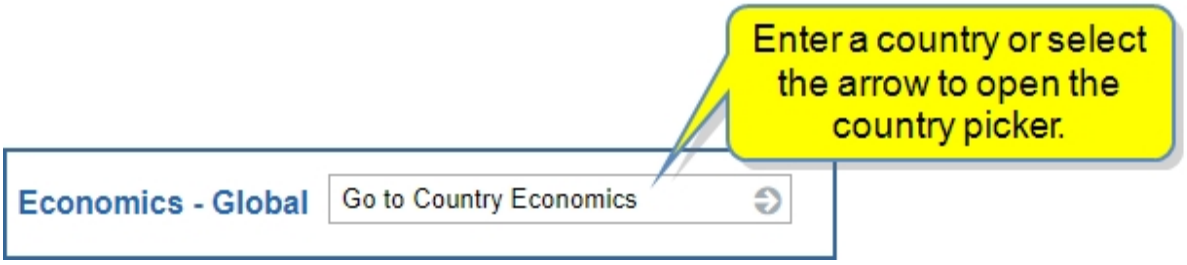
Country Page - Healthcare

You can display healthcare information on a country page from the Global Healthcare page or from the mega-menu. When you navigate from the Global page to a country page for Life Sciences, the country page is automatically filtered for Life Sciences with headings for **Healthcare** and **Pricing and Reimbursement** for the country you have chosen. To return to the global page, select the Go to Healthcare - Global link.

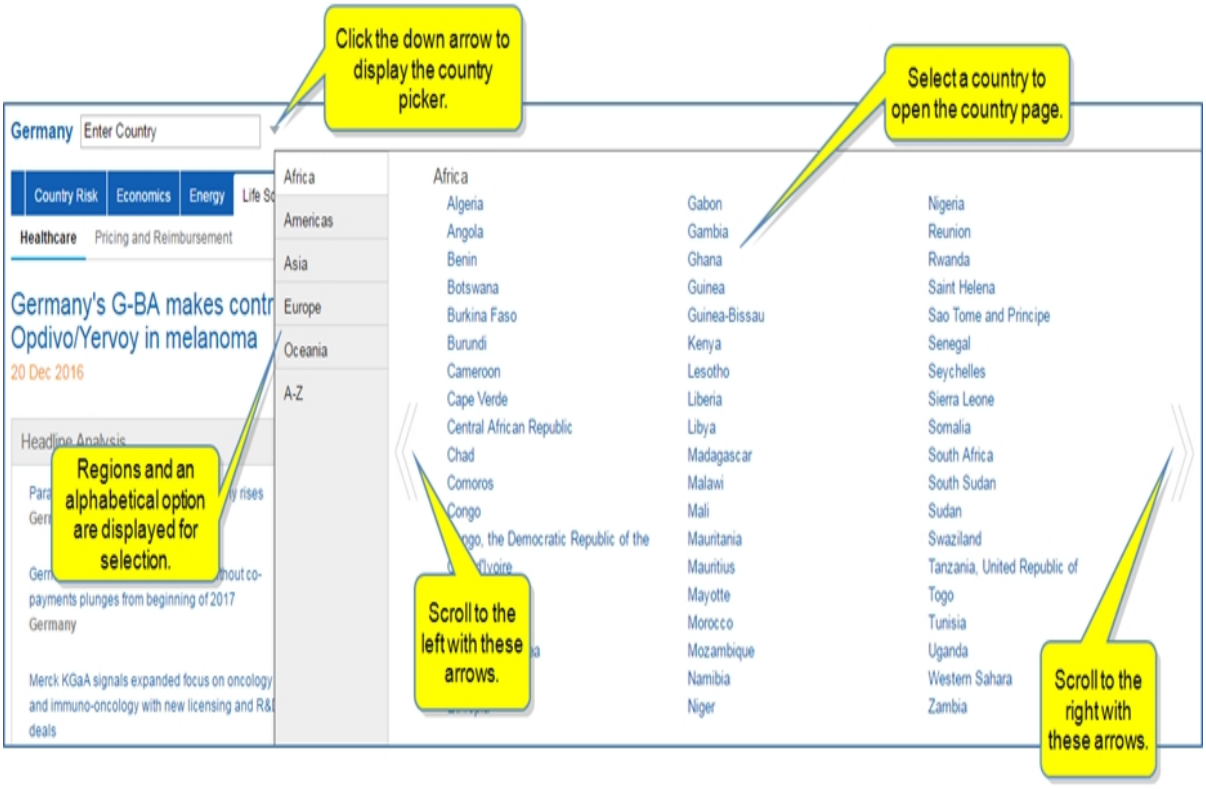
Displaying a country page from the Global Healthcare page

To navigate to a country page from the Global Healthcare page, select the **Economics** megamenu, then select **Global Economics** and then **Global Coverage**. Use the **Choose Country** field to designate a country.





When you click the down arrow for the country picker, regions and an alphabetical option are displayed. You can scroll using the arrows on the left and right. Select a country to open a country page.



Displaying a country page from the megamenu

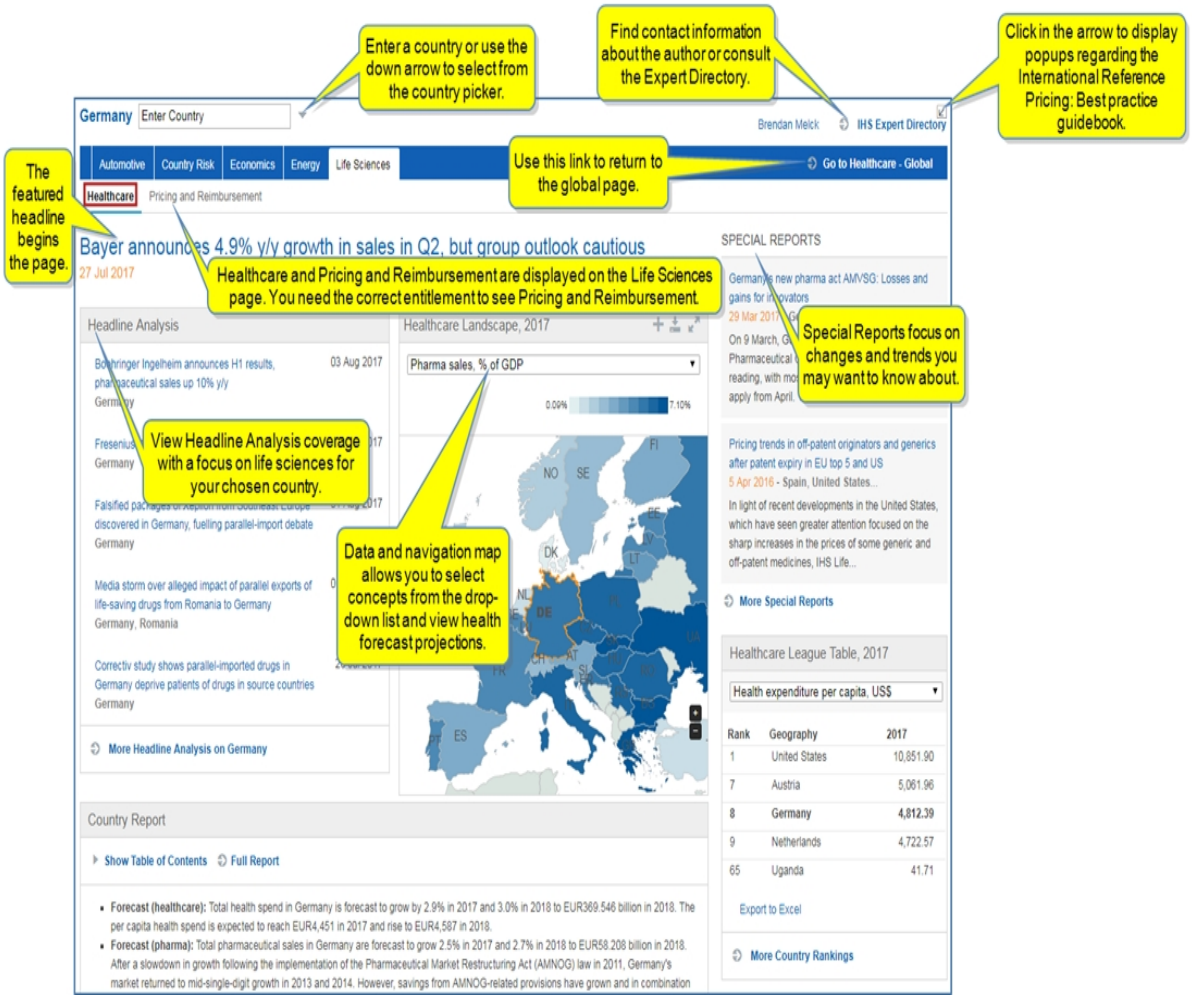
You can also display a country page from the megamenu.

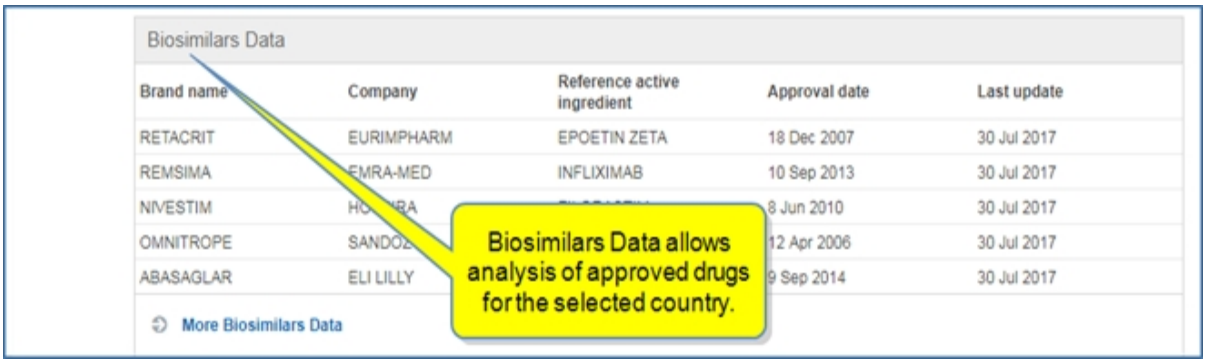
From the Life Sciences megamenu, start typing a country into the **Research a Country** field. As Connect displays suggestions, select the country.

The country page is displayed with **Healthcare** and **Pricing and Reimbursement** tabs.

Note: Your subscription determines access to the Healthcare and Pricing and Reimbursement tabs. The following graphic presents the **Healthcare** tab. See Country Page - Pricing and Reimbursement for information about the **Pricing and Reimbursement** tab and page.

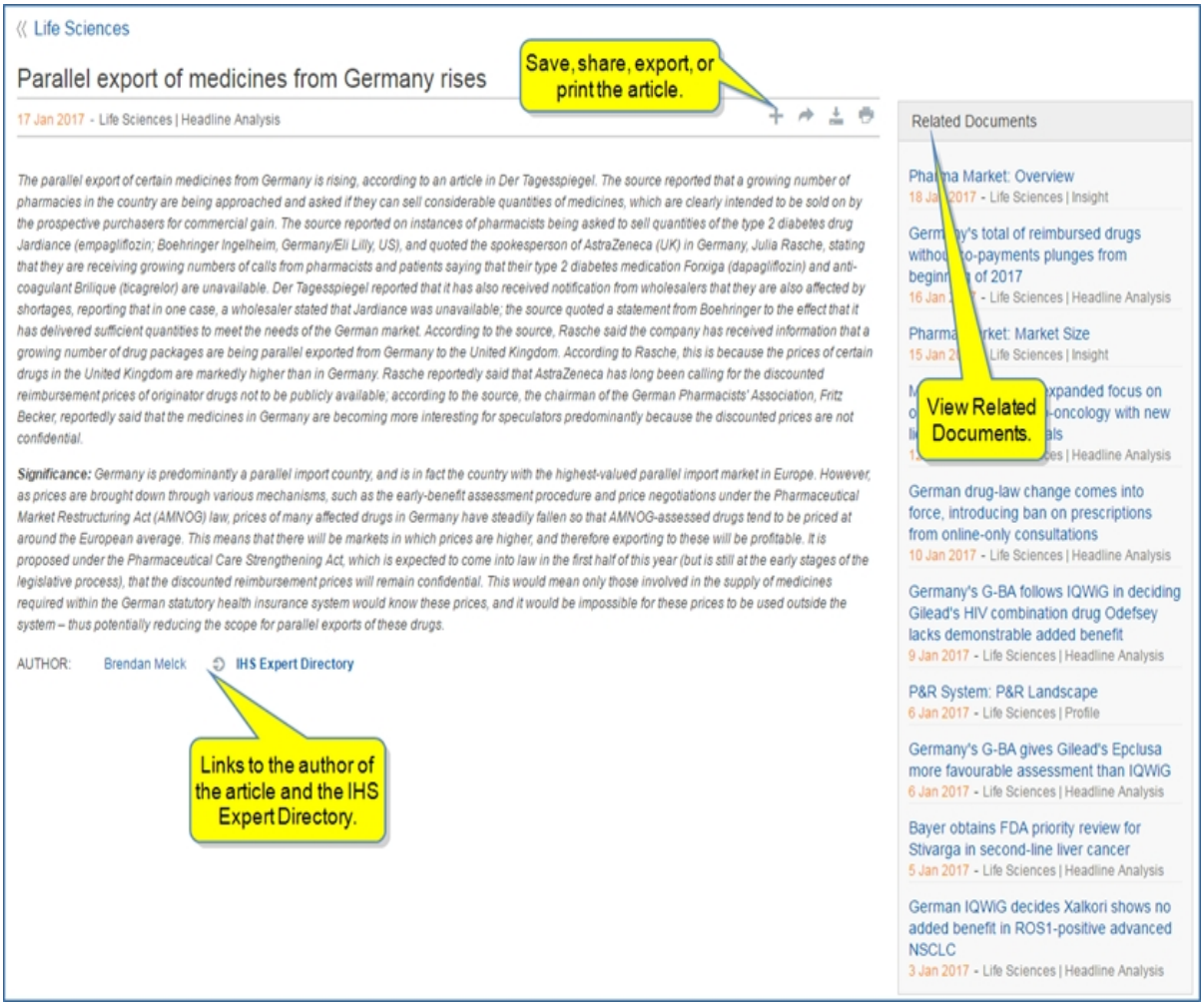
The country page for Germany in the following example displays tabs for **Automotive**, **Country Risk**, **Economics**, **Energy**, and **Life Sciences**.





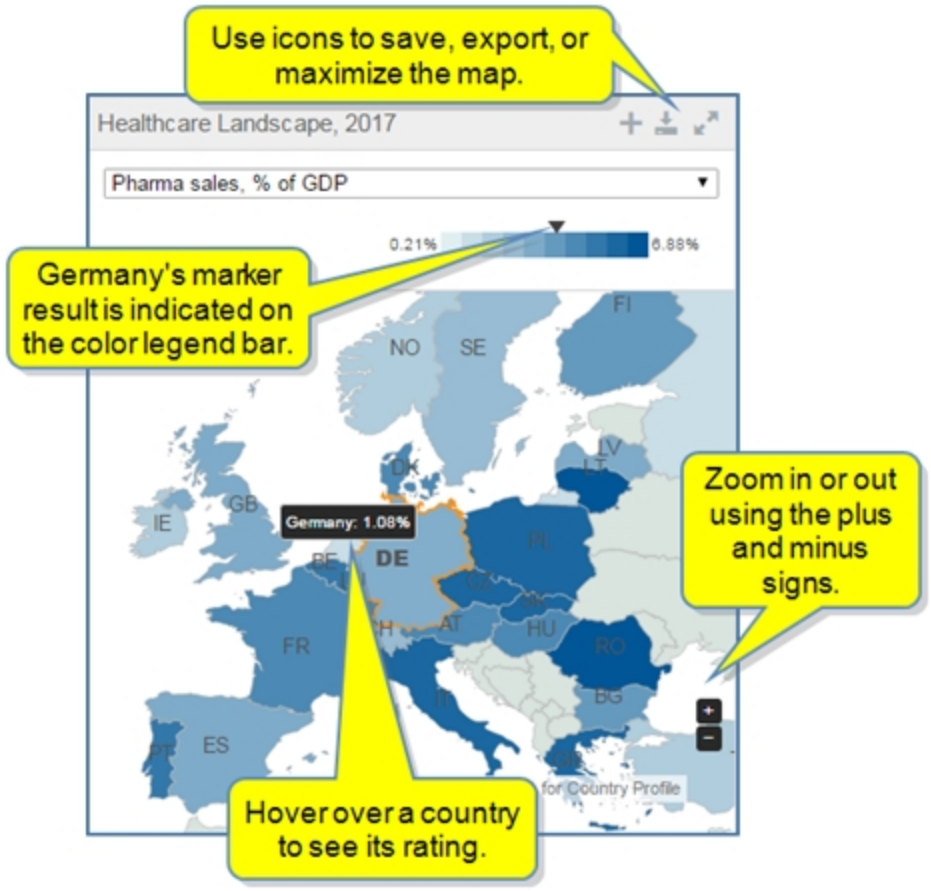
Headline Analysis

This module provides Headline Analysis about the pharmaceutical business. Click the title of an article to open it. You can save, share, export, or print the article and review related documents. The author's name appears at the bottom of the article as a link to contact information. In addition, the **IHS Expert Directory** link takes you to a directory of all experts for Connect.

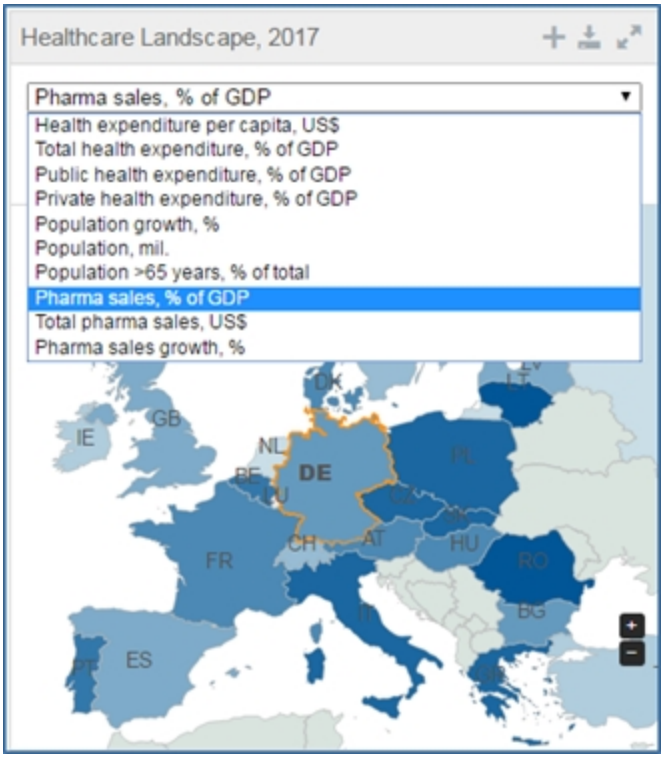


Healthcare Landscape

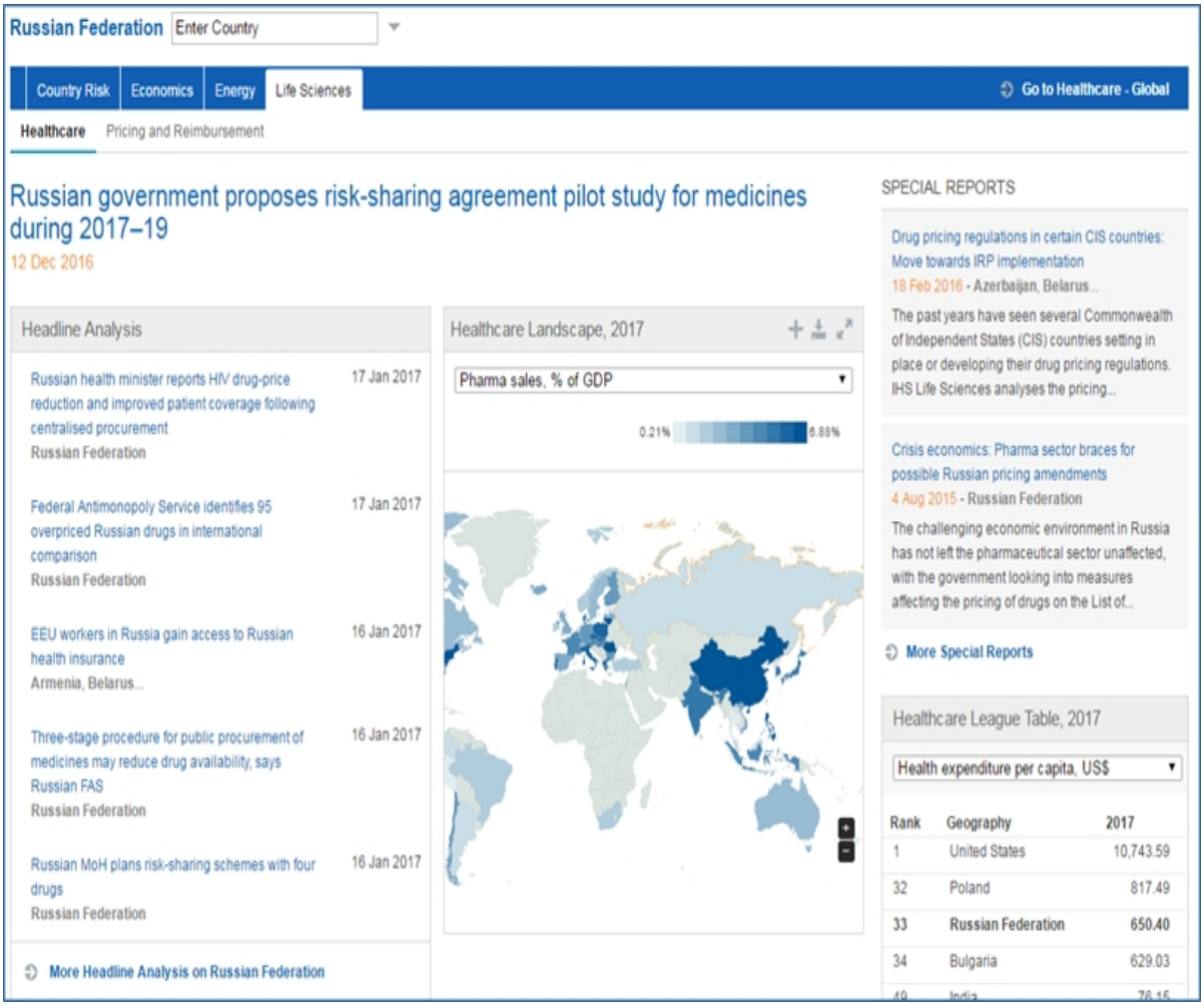
Healthcare Landscape displays an interactive map that uses percentages and a color bar legend to convey comparisons between countries. Hover over countries to display results. View results with the marker in the legend bar for your chosen country. Save, export, or maximize the display using the icons in the upper right.



Change the concept displayed by selecting from the drop-down list.



Click a country on the map to display the country profile.

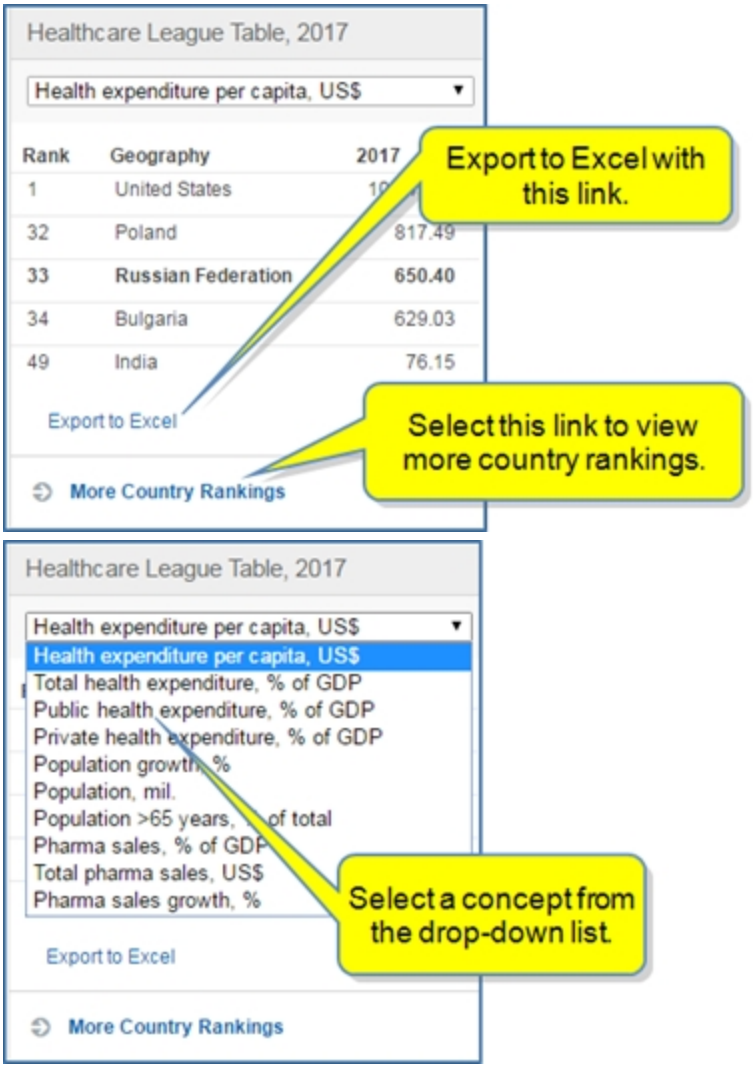


Special Reports

Special Reports focus on changes and trends you may want to know about.

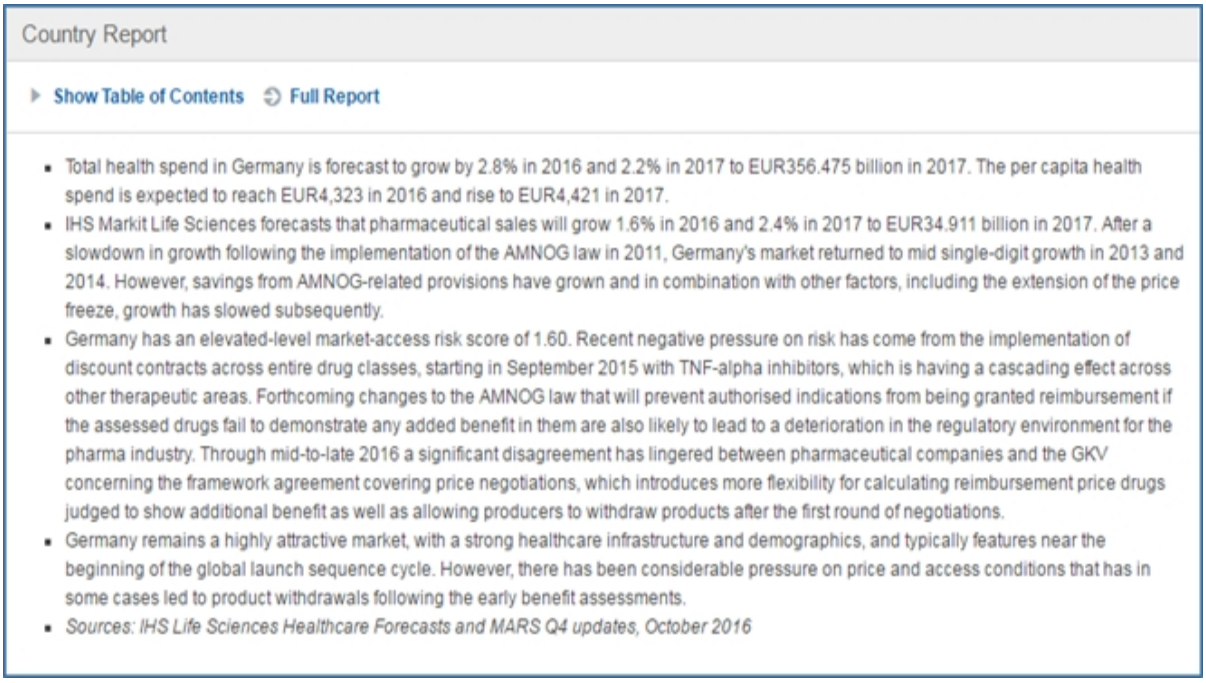
Healthcare League Table

The League Table rates countries according to the performance of health providers using concepts listed in the drop-down menu. Select a concept from the drop-down list, view the position of your selected country's ranking, export to Excel, or view more country rankings.

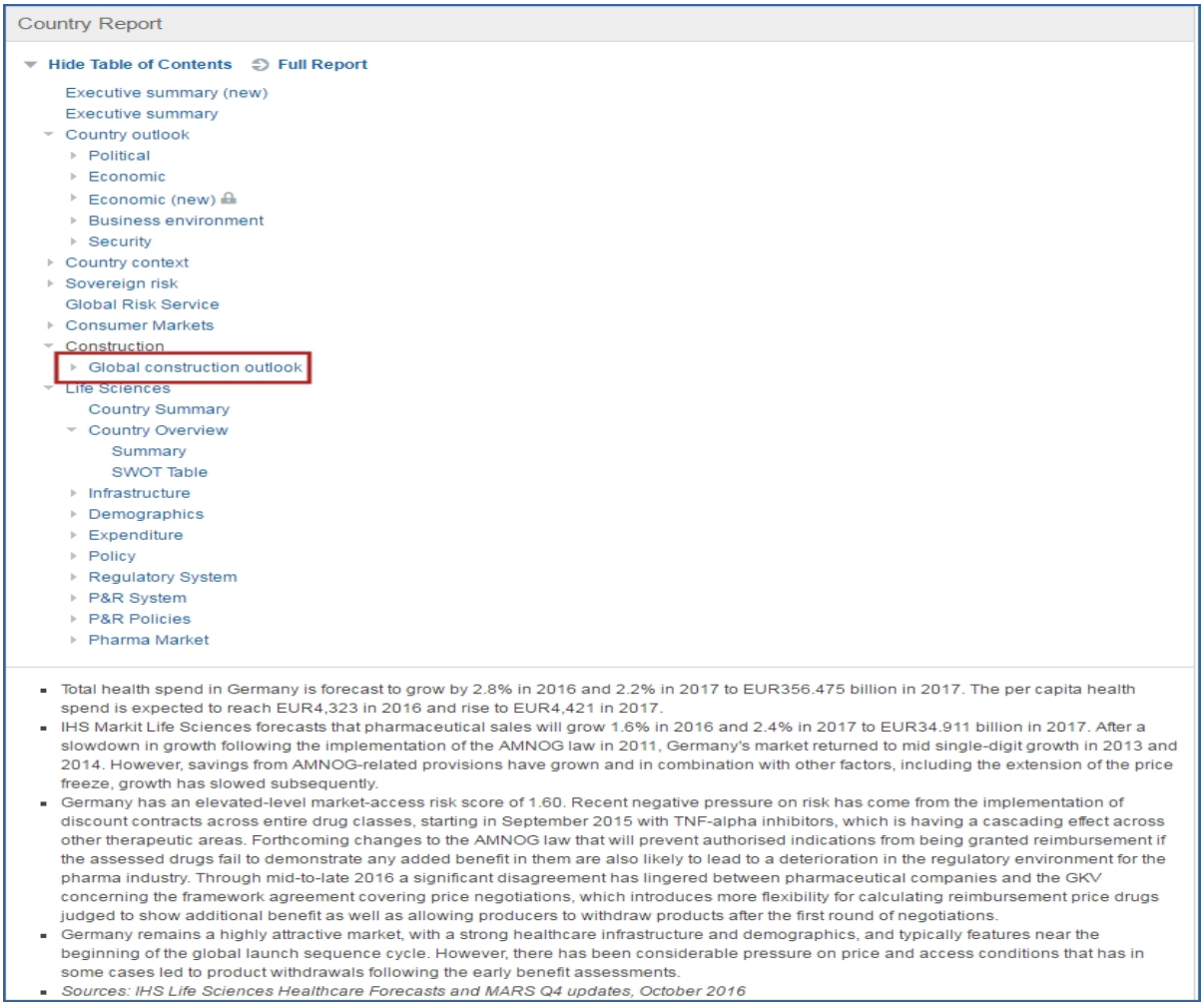


Country Report

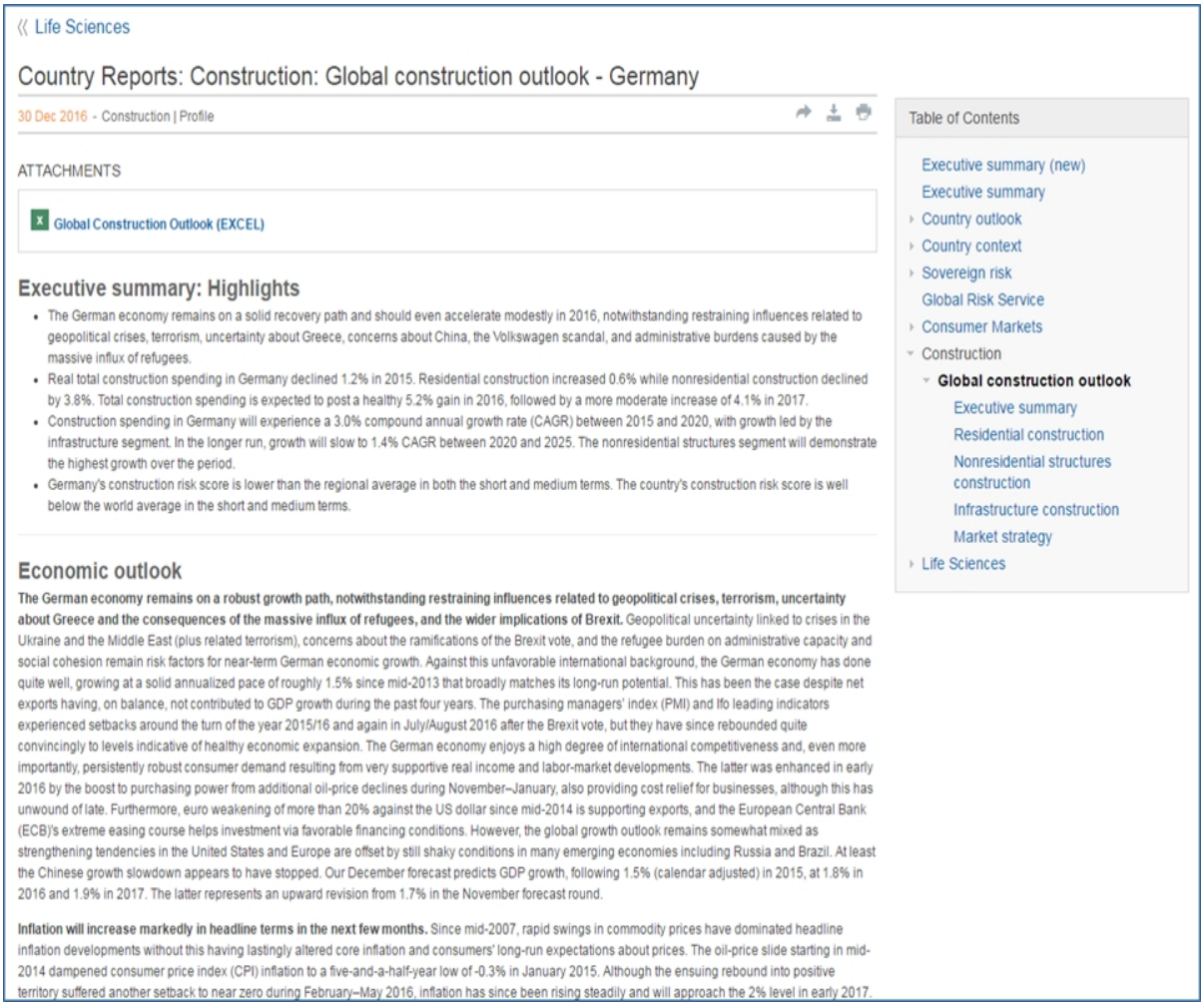
The Country Report summarizes healthcare and pharmaceutical information and risk for the selected country. The report is divided into topics and sections. The major points of the report are displayed in the module.



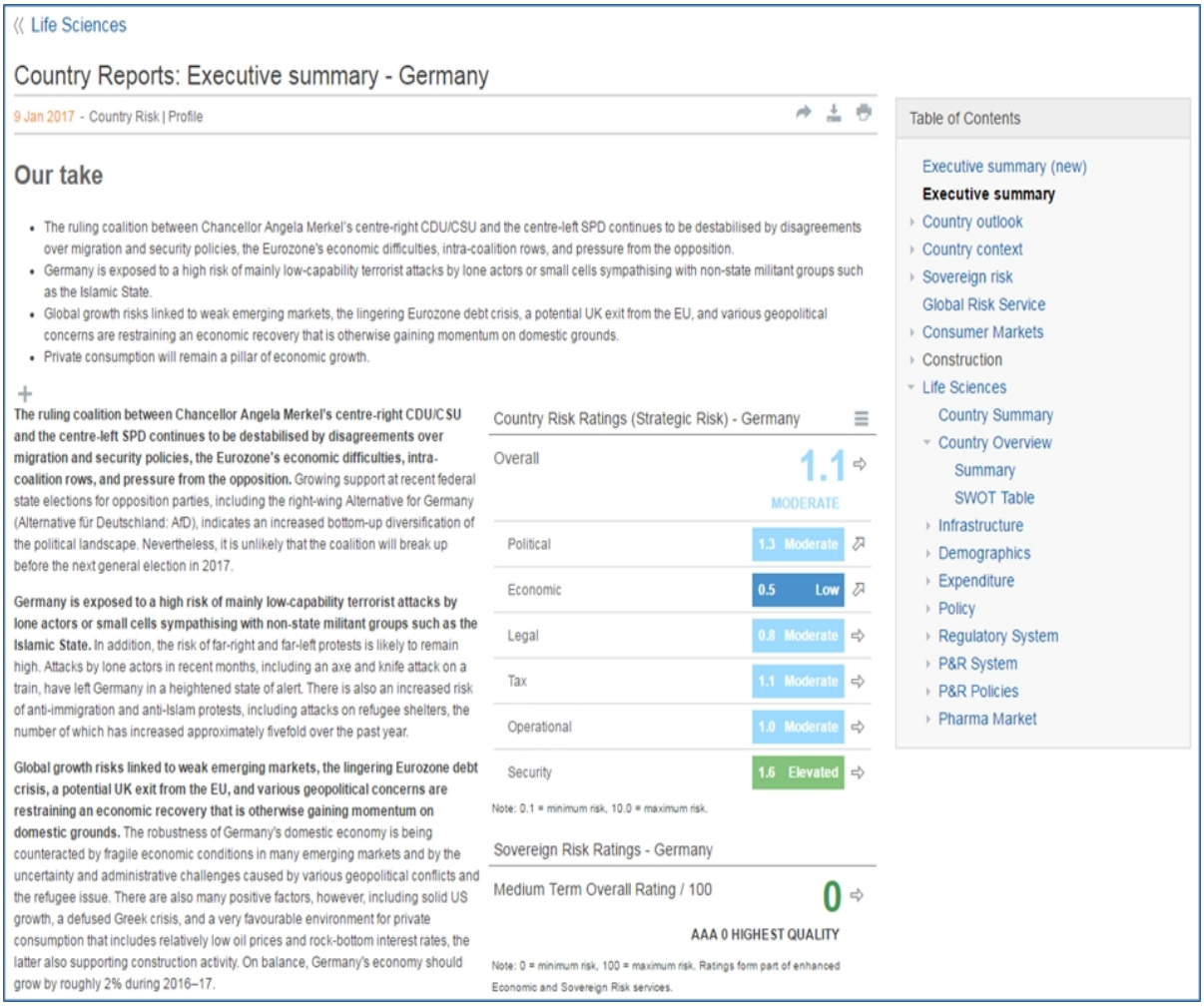
By clicking **Show Table of Contents**, you can identify the outline and sections of the report. Arrows expand and contract sections of the report.



Click a link in the Table of Contents to open a section of the report. In the following example, we'll select **Global construction outlook**.

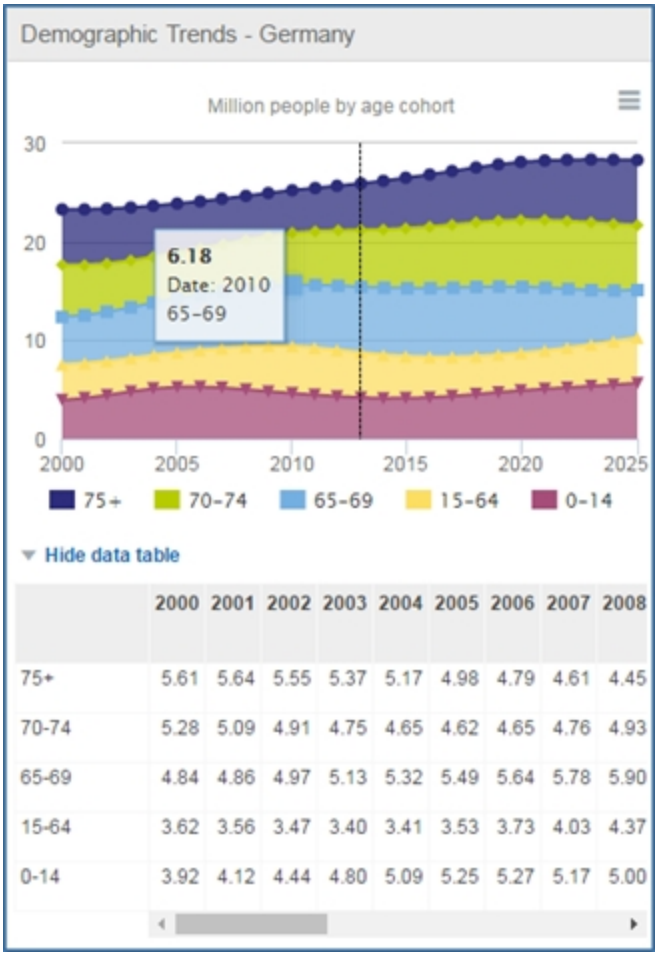


When you select **Full Report**, you view a maximized view of the summary with the Table of Contents displayed to the right. Author and IHS Expert Directory links are displayed at the bottom. You can share, export, or print any part of the report you display by using the links in the Table of Contents. Individual tables can be exported to Excel use the Menu bar icon.

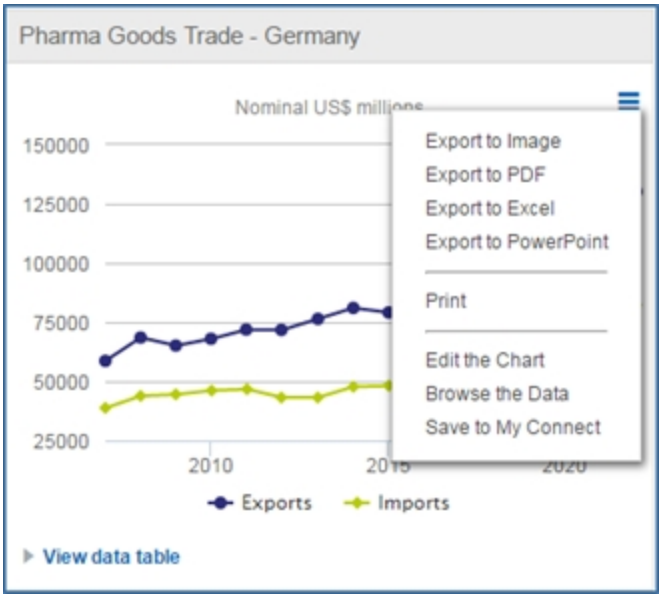


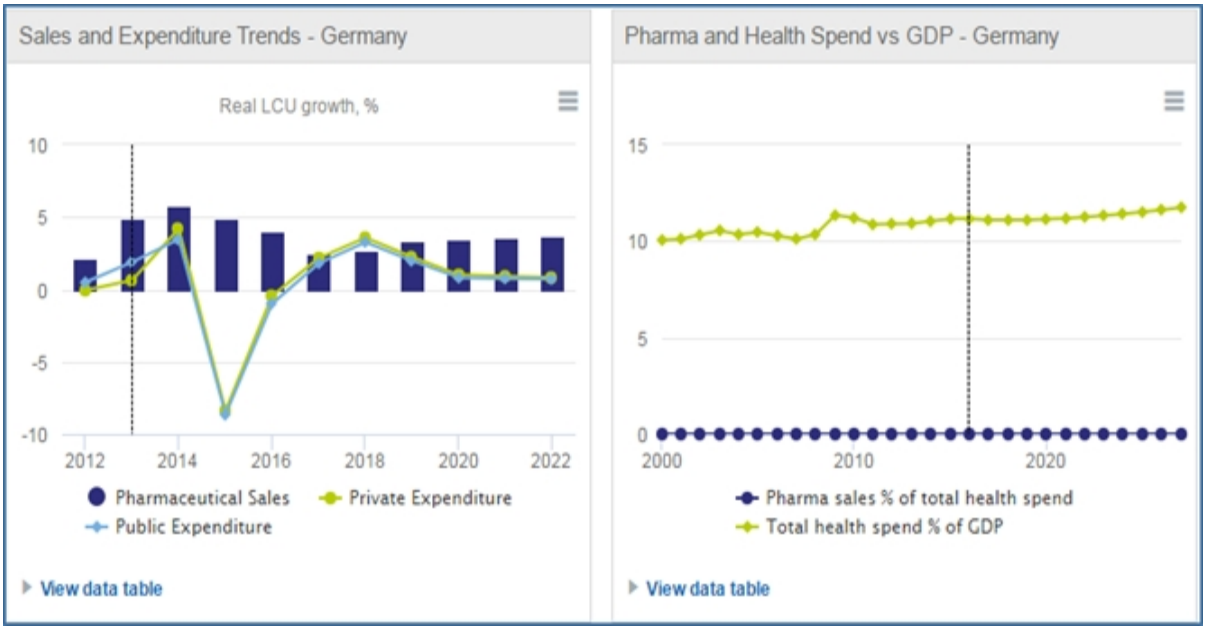
Charts

The charts available on the country page for Germany are Demographic Trends, Pharma Goods Trade, Sales and Expenditure Trends, and Pharma and Health Spend vs GDP. You can show or hide the data table for each of these charts. You can hover over the chart to display specific information for a point on the chart. You can also export, print, or edit the chart, browse the data, or save the chart to My Connect.



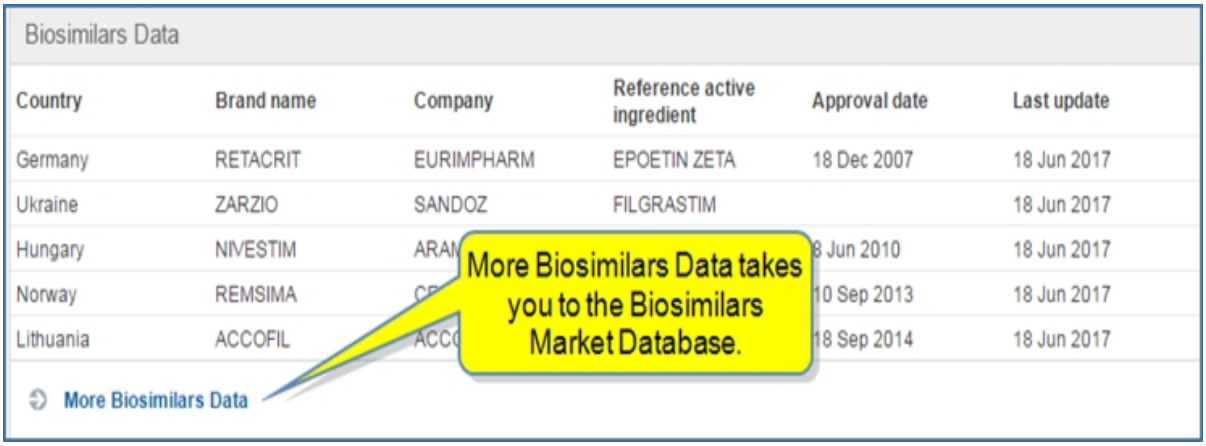
	2000	2001	2002	2003	2004	2005	2006	2007	2008
75+	5.61	5.64	5.55	5.37	5.17	4.98	4.79	4.61	4.45
70-74	5.28	5.09	4.91	4.75	4.65	4.62	4.65	4.76	4.93
65-69	4.84	4.86	4.97	5.13	5.32	5.49	5.64	5.78	5.90
15-64	3.62	3.56	3.47	3.40	3.41	3.53	3.73	4.03	4.37
0-14	3.92	4.12	4.44	4.80	5.09	5.25	5.27	5.17	5.00



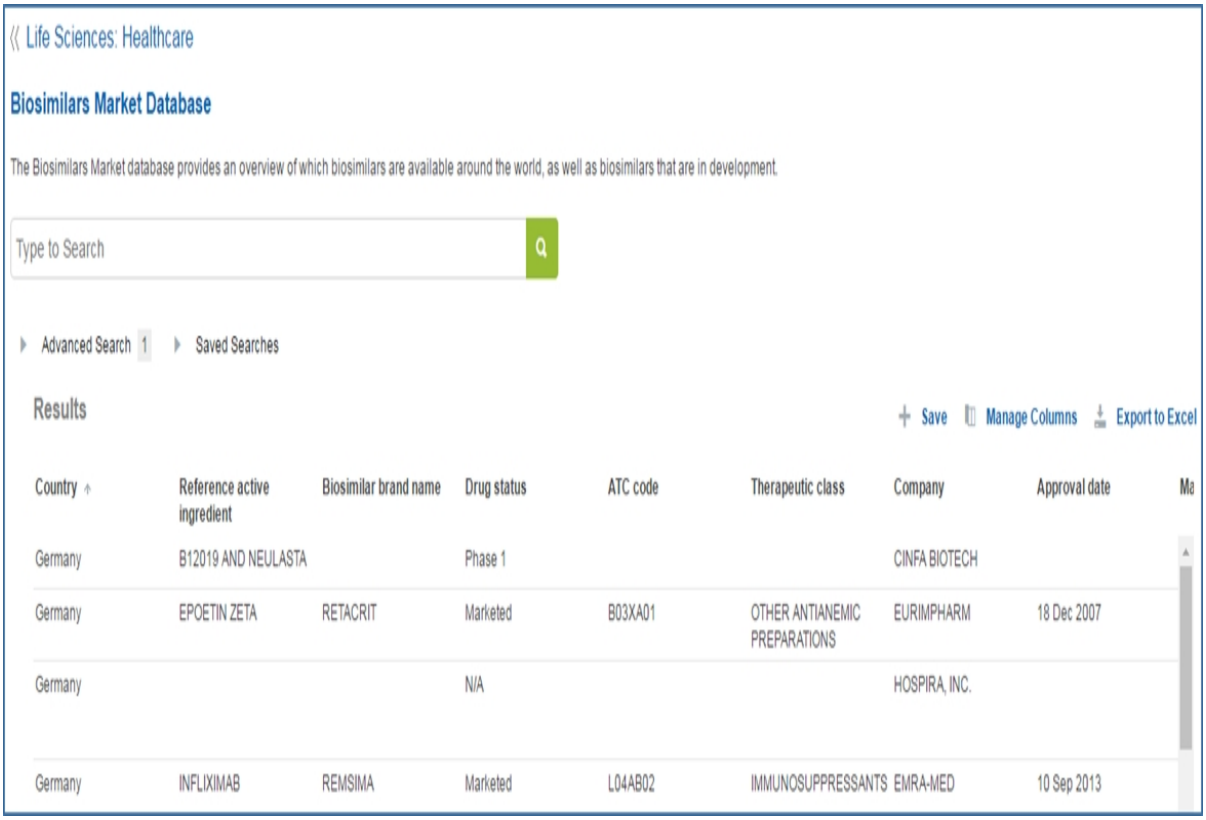


Biosimilars Data

The Biosimilars Data table compares similar drugs that have been approved in countries. The table includes the brand name, company, reference active ingredient, approval date, and last update.



Selecting the **More Biosimilars Data** link opens the Biosimilars Market Database with filtered results for the country selected.



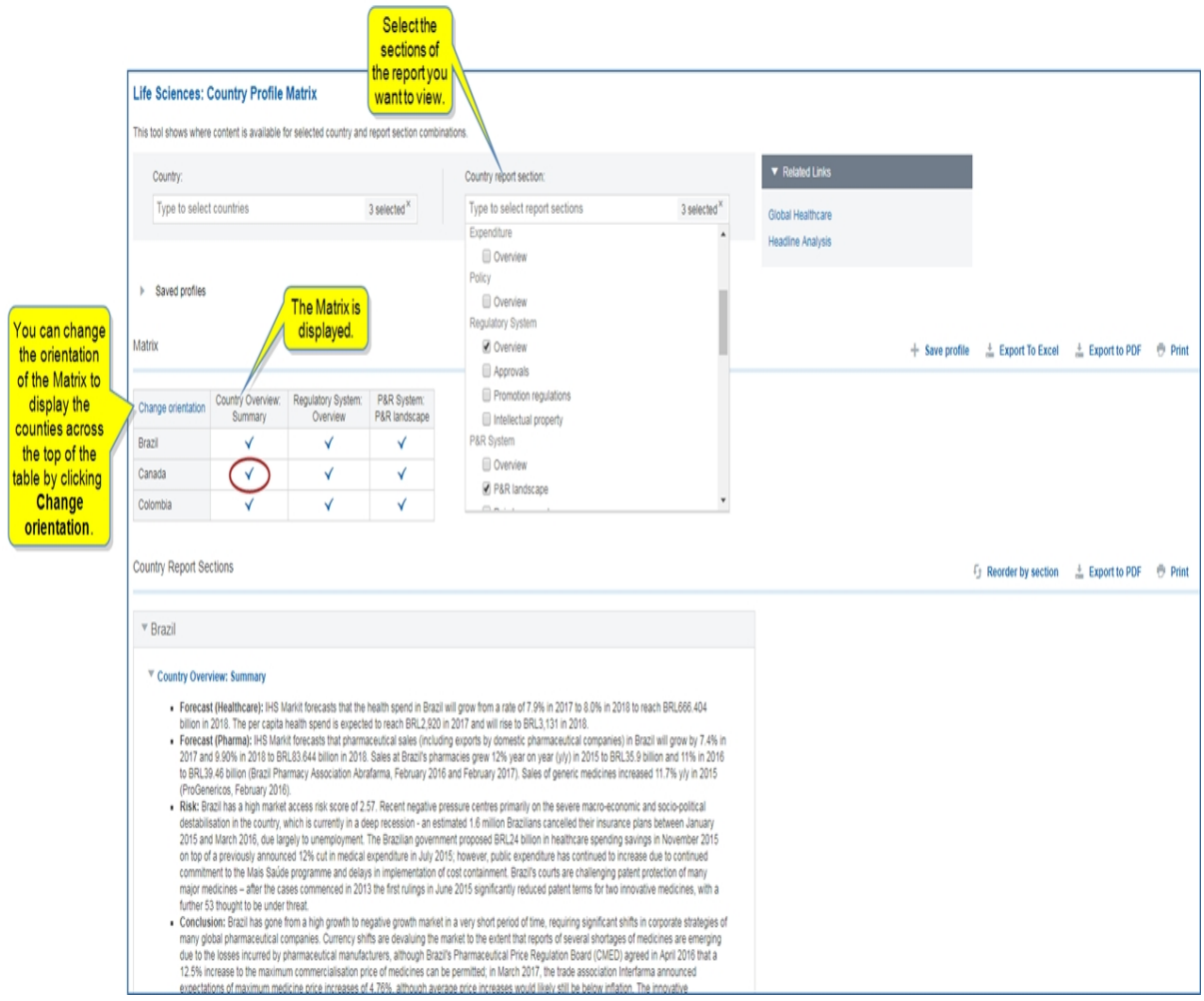
For detailed information about the Biosimilars Market Database, See Biosimilars Market Database.

Country Profile Matrix

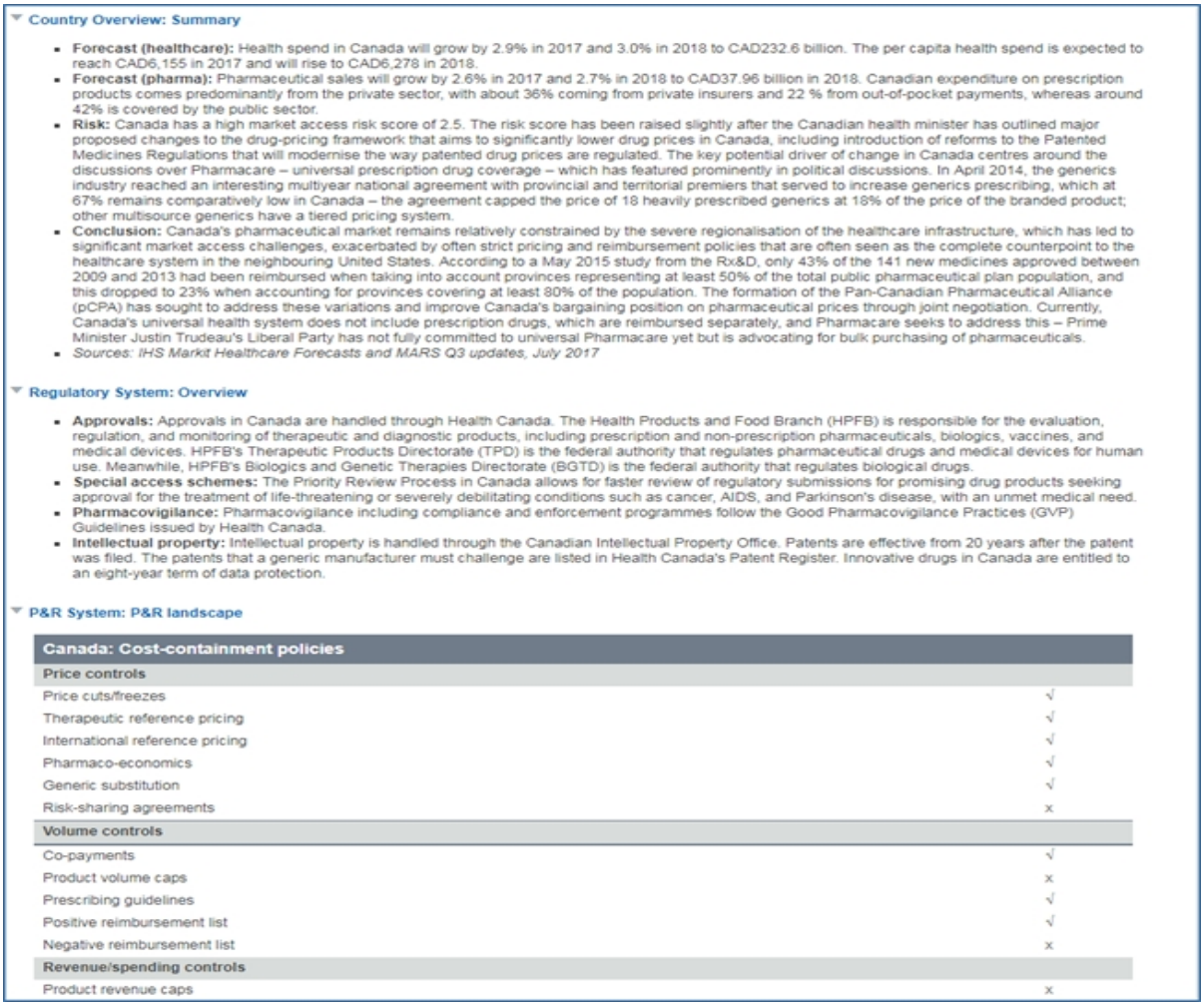
The Country Profile Matrix on the Global Healthcare page allows you to compare sections, including health-care policy, in a country report across many countries.

First, select the countries you want to compare.

Second, select the sections of the country report you want to view. The Matrix is displayed. Click **Change orientation** to display the countries across the top of the Matrix and the sections of the report down the left column if you prefer that view.



The documentation for your selections is displayed below the matrix. You can jump to the section you want by clicking one of the check marks in the Matrix. For example, to see the Overview for Canada, click the check mark that designates Overview and Canada to jump to that section.



Country Overview: Summary

- **Forecast (healthcare):** Health spend in Canada will grow by 2.9% in 2017 and 3.0% in 2018 to CAD232.6 billion. The per capita health spend is expected to reach CAD6,155 in 2017 and will rise to CAD6,278 in 2018.
- **Forecast (pharma):** Pharmaceutical sales will grow by 2.6% in 2017 and 2.7% in 2018 to CAD37.96 billion in 2018. Canadian expenditure on prescription products comes predominantly from the private sector, with about 36% coming from private insurers and 22 % from out-of-pocket payments, whereas around 42% is covered by the public sector.
- **Risk:** Canada has a high market access risk score of 2.5. The risk score has been raised slightly after the Canadian health minister has outlined major proposed changes to the drug-pricing framework that aims to significantly lower drug prices in Canada, including introduction of reforms to the Patented Medicines Regulations that will modernise the way patented drug prices are regulated. The key potential driver of change in Canada centres around the discussions over Pharmacare – universal prescription drug coverage – which has featured prominently in political discussions. In April 2014, the generics industry reached an interesting multiyear national agreement with provincial and territorial premiers that served to increase generics prescribing, which at 67% remains comparatively low in Canada – the agreement capped the price of 18 heavily prescribed generics at 18% of the price of the branded product; other multisource generics have a tiered pricing system.
- **Conclusion:** Canada's pharmaceutical market remains relatively constrained by the severe regionalisation of the healthcare infrastructure, which has led to significant market access challenges, exacerbated by often strict pricing and reimbursement policies that are often seen as the complete counterpoint to the healthcare system in the neighbouring United States. According to a May 2015 study from the Rx&D, only 43% of the 141 new medicines approved between 2009 and 2013 had been reimbursed when taking into account provinces representing at least 50% of the total public pharmaceutical plan population, and this dropped to 23% when accounting for provinces covering at least 80% of the population. The formation of the Pan-Canadian Pharmaceutical Alliance (pCPA) has sought to address these variations and improve Canada's bargaining position on pharmaceutical prices through joint negotiation. Currently, Canada's universal health system does not include prescription drugs, which are reimbursed separately, and Pharmacare seeks to address this – Prime Minister Justin Trudeau's Liberal Party has not fully committed to universal Pharmacare yet but is advocating for bulk purchasing of pharmaceuticals.
- *Sources: IHS Markit Healthcare Forecasts and MARS Q3 updates, July 2017*

Regulatory System: Overview

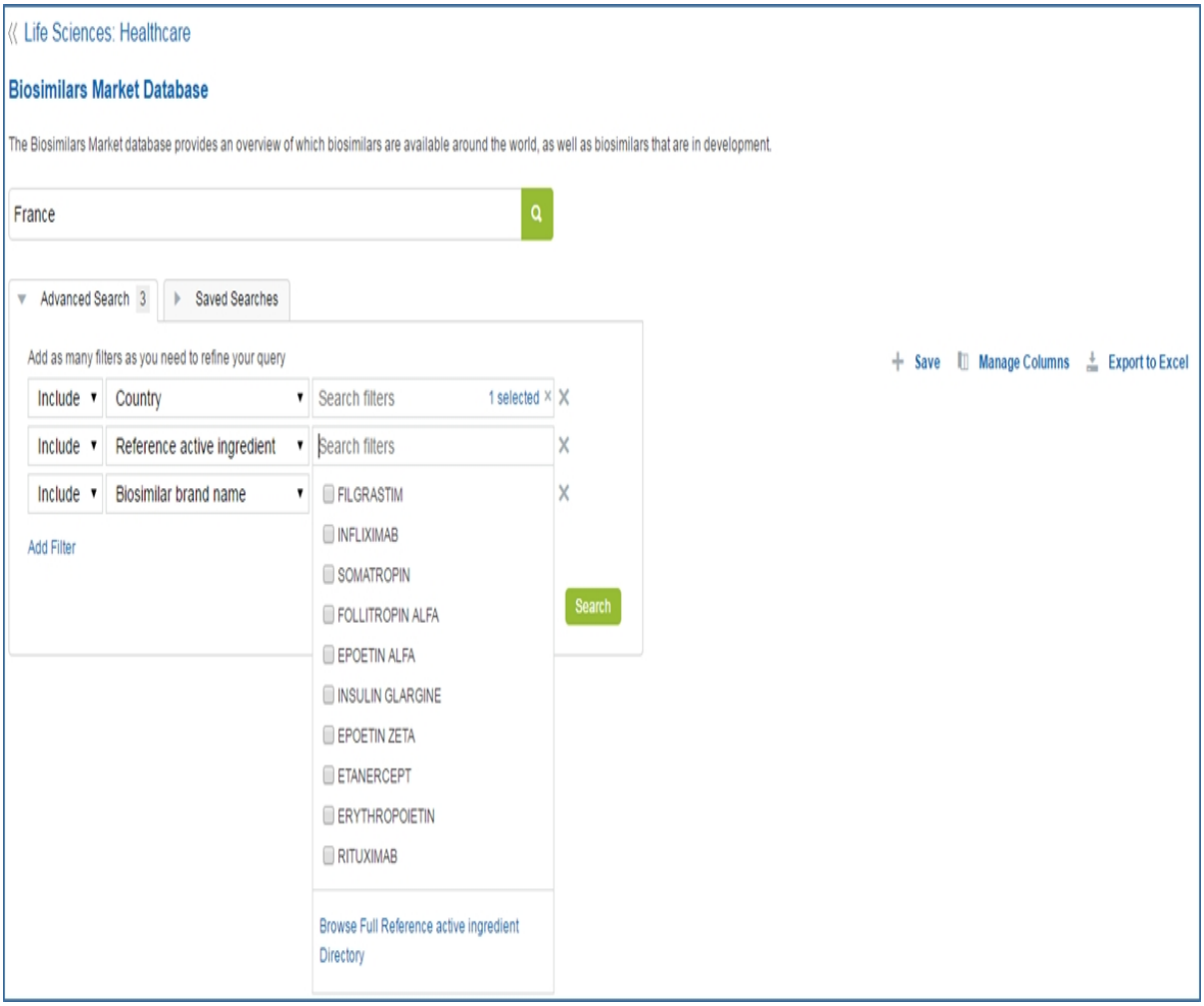
- **Approvals:** Approvals in Canada are handled through Health Canada. The Health Products and Food Branch (HPFB) is responsible for the evaluation, regulation, and monitoring of therapeutic and diagnostic products, including prescription and non-prescription pharmaceuticals, biologics, vaccines, and medical devices. HPFB's Therapeutic Products Directorate (TPD) is the federal authority that regulates pharmaceutical drugs and medical devices for human use. Meanwhile, HPFB's Biologics and Genetic Therapies Directorate (BGTD) is the federal authority that regulates biological drugs.
- **Special access schemes:** The Priority Review Process in Canada allows for faster review of regulatory submissions for promising drug products seeking approval for the treatment of life-threatening or severely debilitating conditions such as cancer, AIDS, and Parkinson's disease, with an unmet medical need.
- **Pharmacovigilance:** Pharmacovigilance including compliance and enforcement programmes follow the Good Pharmacovigilance Practices (GVP) Guidelines issued by Health Canada.
- **Intellectual property:** Intellectual property is handled through the Canadian Intellectual Property Office. Patents are effective from 20 years after the patent was filed. The patents that a generic manufacturer must challenge are listed in Health Canada's Patent Register. Innovative drugs in Canada are entitled to an eight-year term of data protection.

P&R System: P&R landscape

Canada: Cost-containment policies	
Price controls	
Price cuts/freezes	√
Therapeutic reference pricing	√
International reference pricing	√
Pharmaco-economics	√
Generic substitution	√
Risk-sharing agreements	x
Volume controls	
Co-payments	√
Product volume caps	x
Prescribing guidelines	√
Positive reimbursement list	√
Negative reimbursement list	x
Revenue/spending controls	
Product revenue caps	x

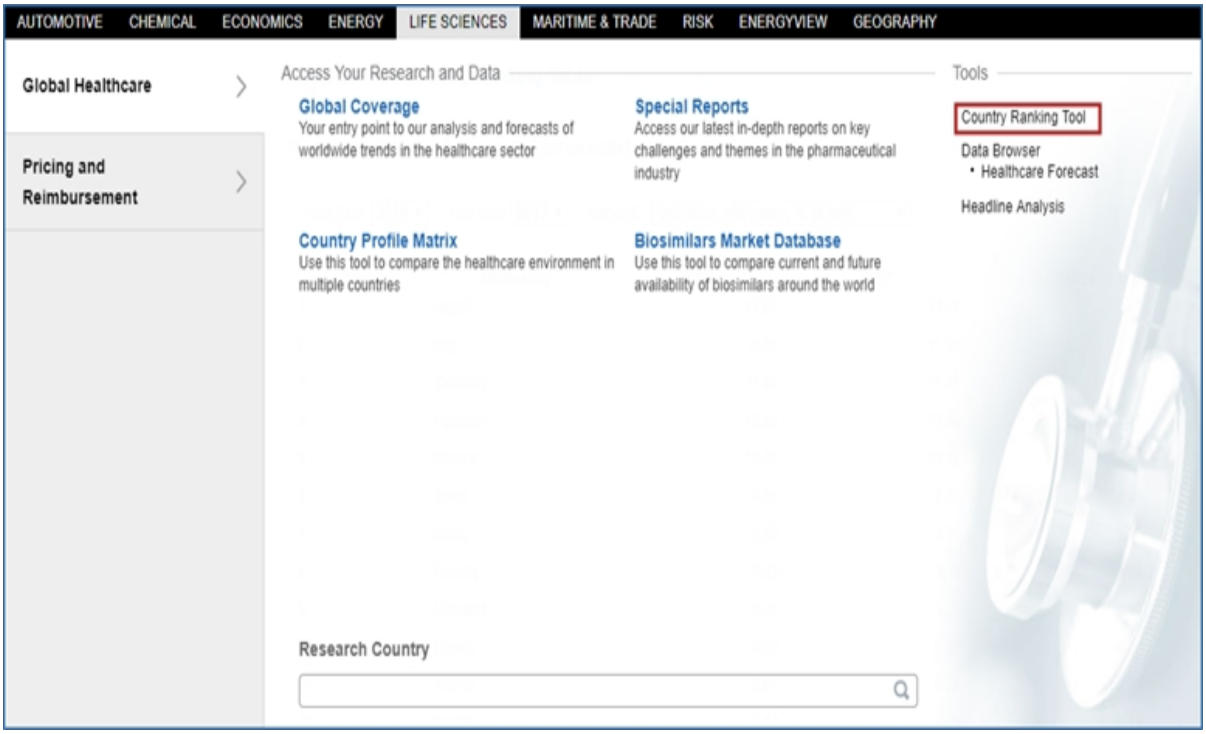
Biosimilars Market Database

The Biosimilars Market Database heading on the Global Healthcare megamenu takes you directly to the Biosimilars Market Database. The database provides an overview of biosimilars that are available around the world, as well as biosimilars that are in development.

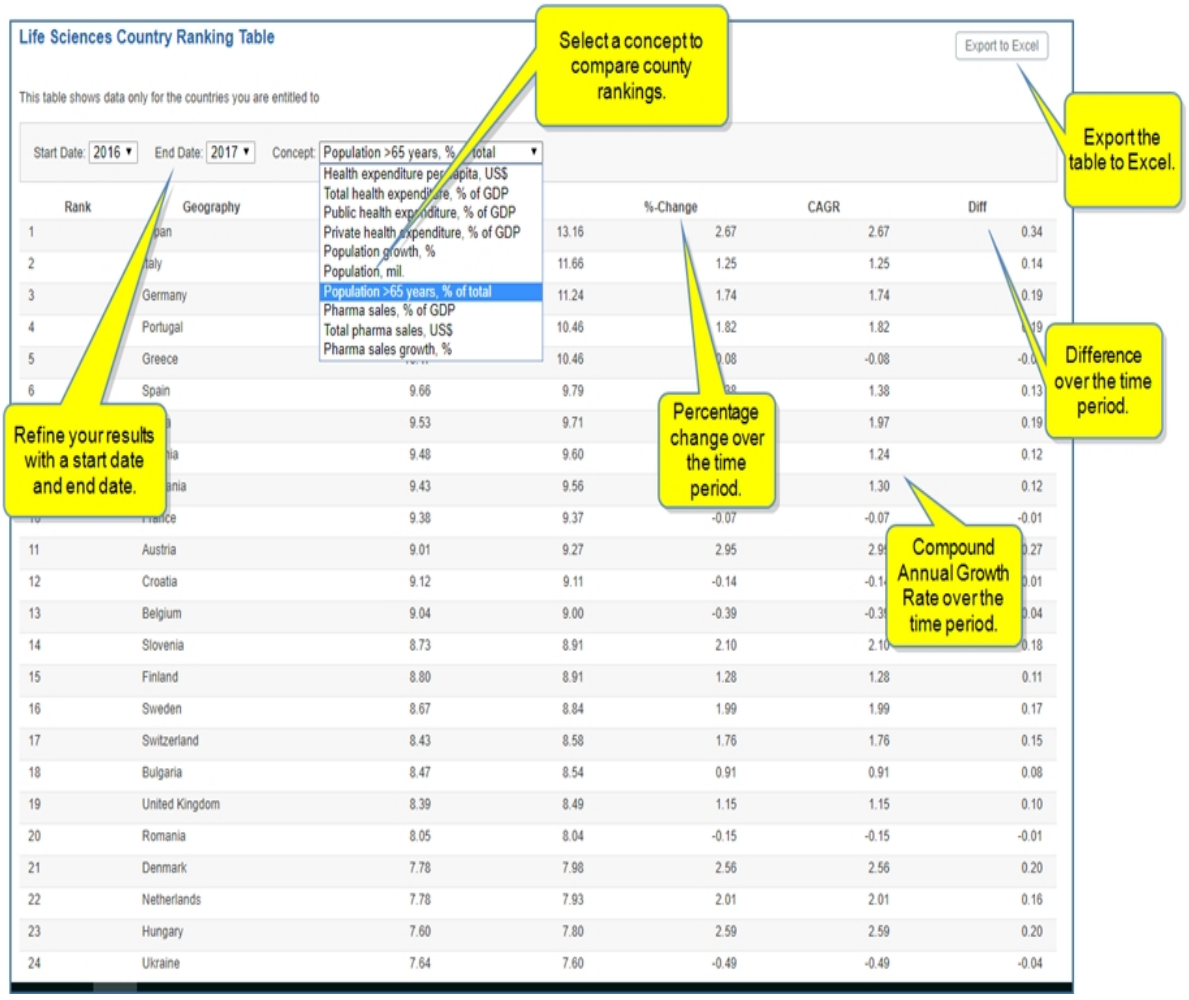


Country Ranking Tool

The Country Ranking Tool link appears on the Global Healthcare segment of the Life Sciences megamenu. Using the tool, you can comp



Once you open the tool, select dates and concepts from the drop-down lists to rank countries per the concept you have chosen. The table provides values for percentage change, Compound Annual Growth Rate (CAGR), and difference over the time period you choose.

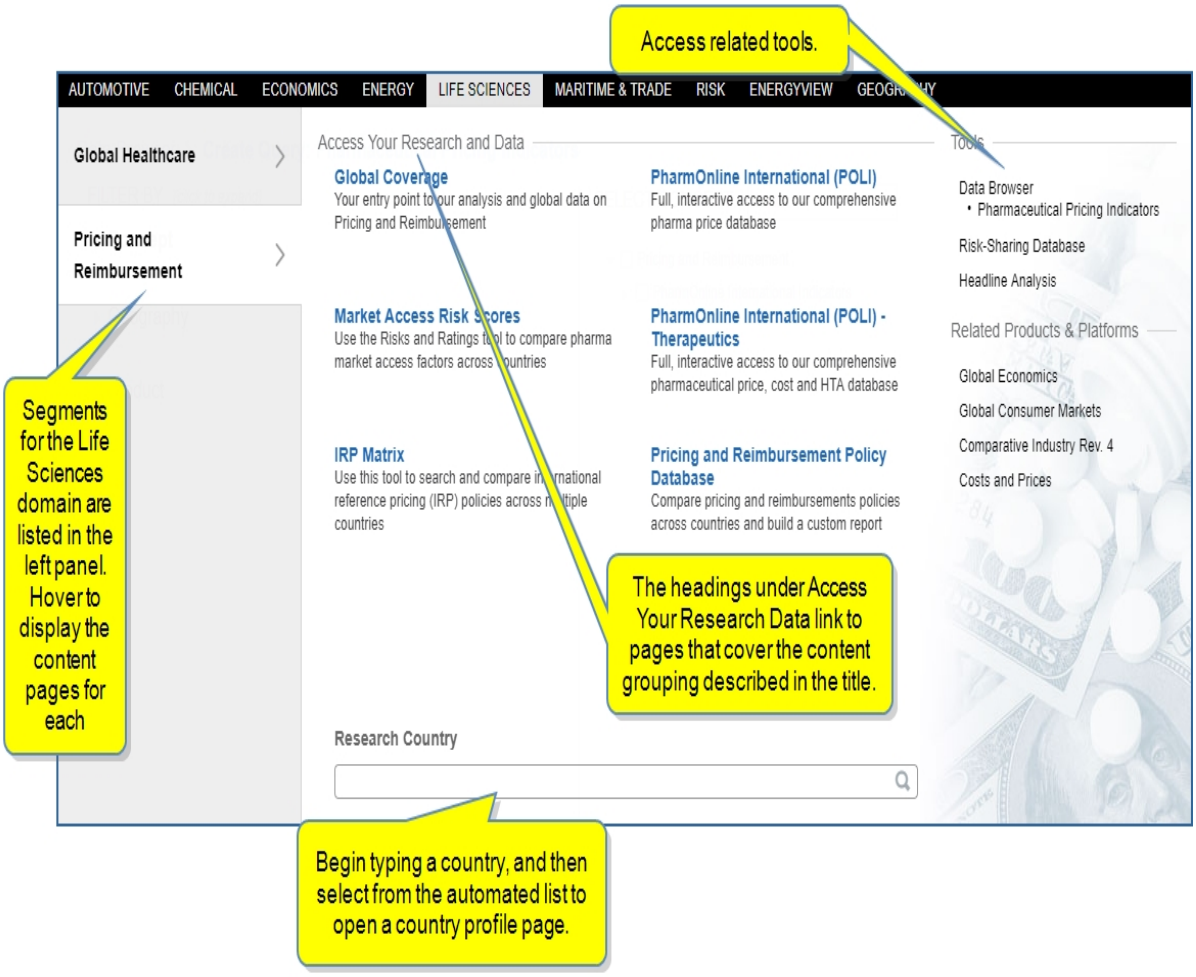


Pricing and Reimbursement Global

From the Global Pricing and Reimbursement segment on the Life Sciences megamenu, access content for Global Pricing and Reimbursement in this topic and separate topics using the links below.

The Pricing and Reimbursement segment of the Life Sciences megamenu focuses on drug prices throughout the world and describes risk factors for pharmaceutical companies that want to launch a drug. This is covered in this topic with the following subtopics.

- Global Pricing and Reimbursement
- Research a Country
- Related Products and Platforms



Review the following sub headings and topics from the Global Pricing and Reimbursement page by clicking the links below:

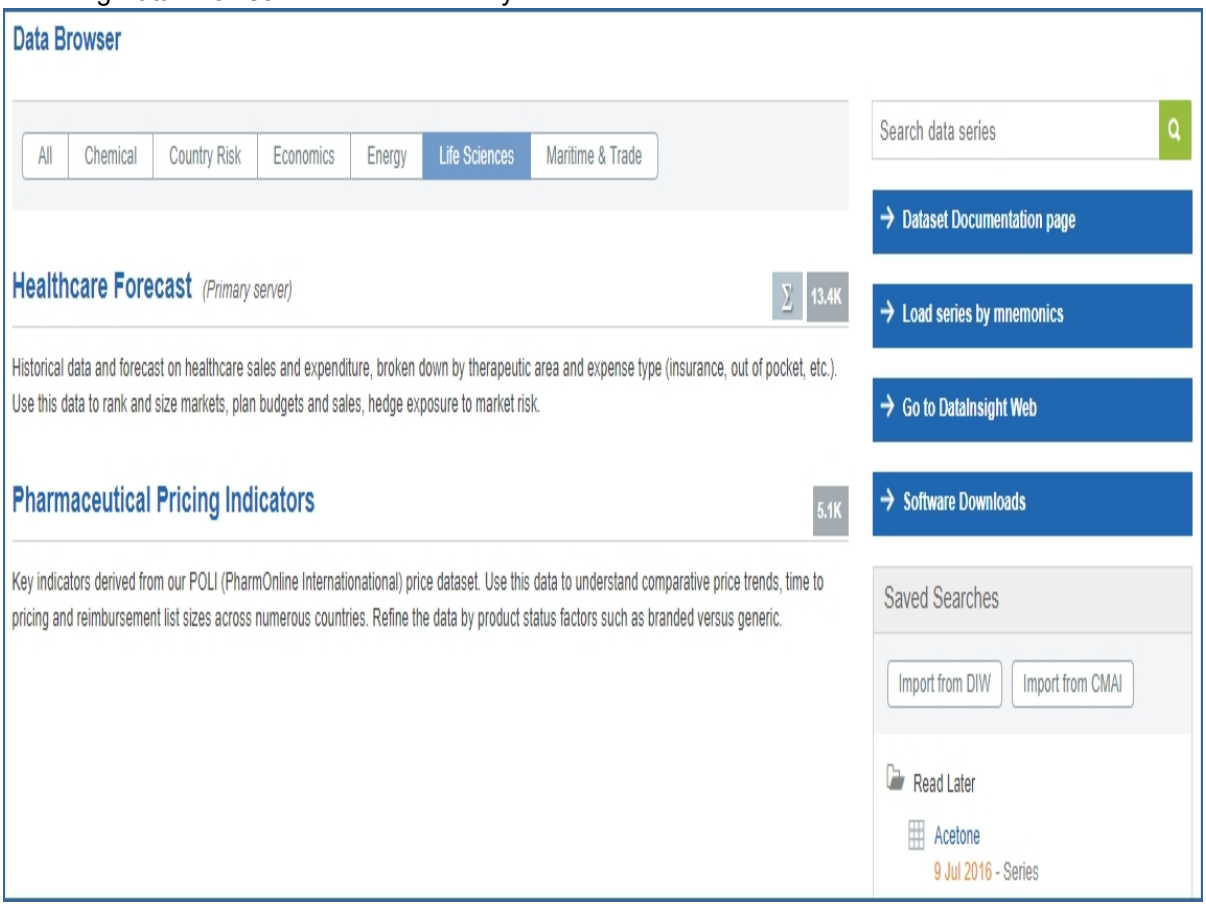
- PharmOnLine International (POLI) Data
- Market Access Risk Scores—review MARS in the Pharma Market Access Risk topic under Tools in this user guide
- PharmOnline International (POLI) - Therapeutics
- IRP Matrix
- Pricing and Reimbursement Policy Database
- Risk-Sharing Database

Reviewing available tools

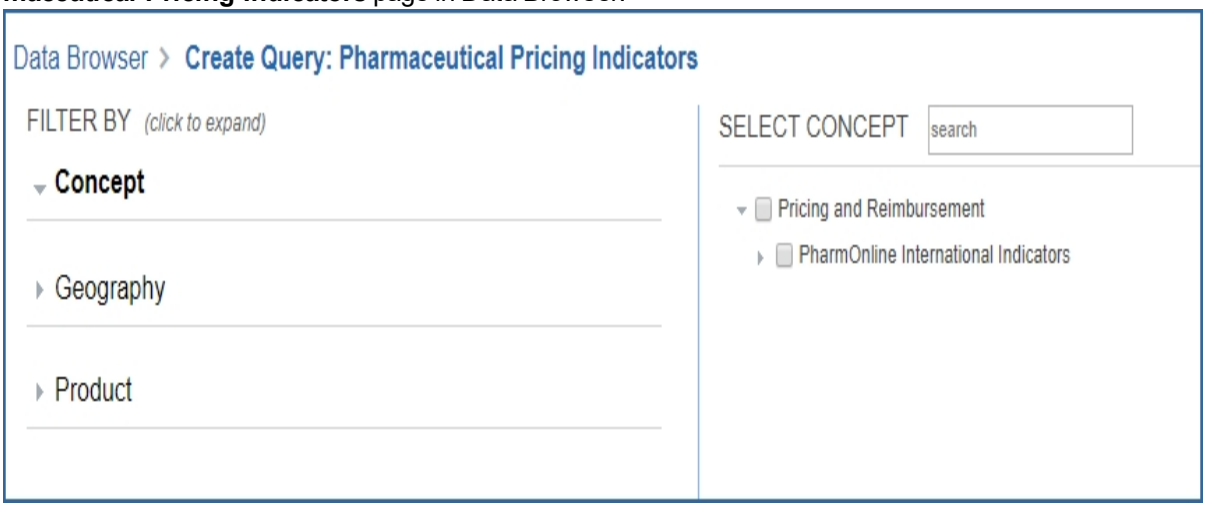
Select a tool under Tools in the right panel to access supporting data. In addition, see Pricing and Reimbursement Global below for more details.

View the topic, Risk-Sharing Database for more information.

Selecting **Data Browser** under Tools takes you to the Data Browser tool filtered for Life Sciences.

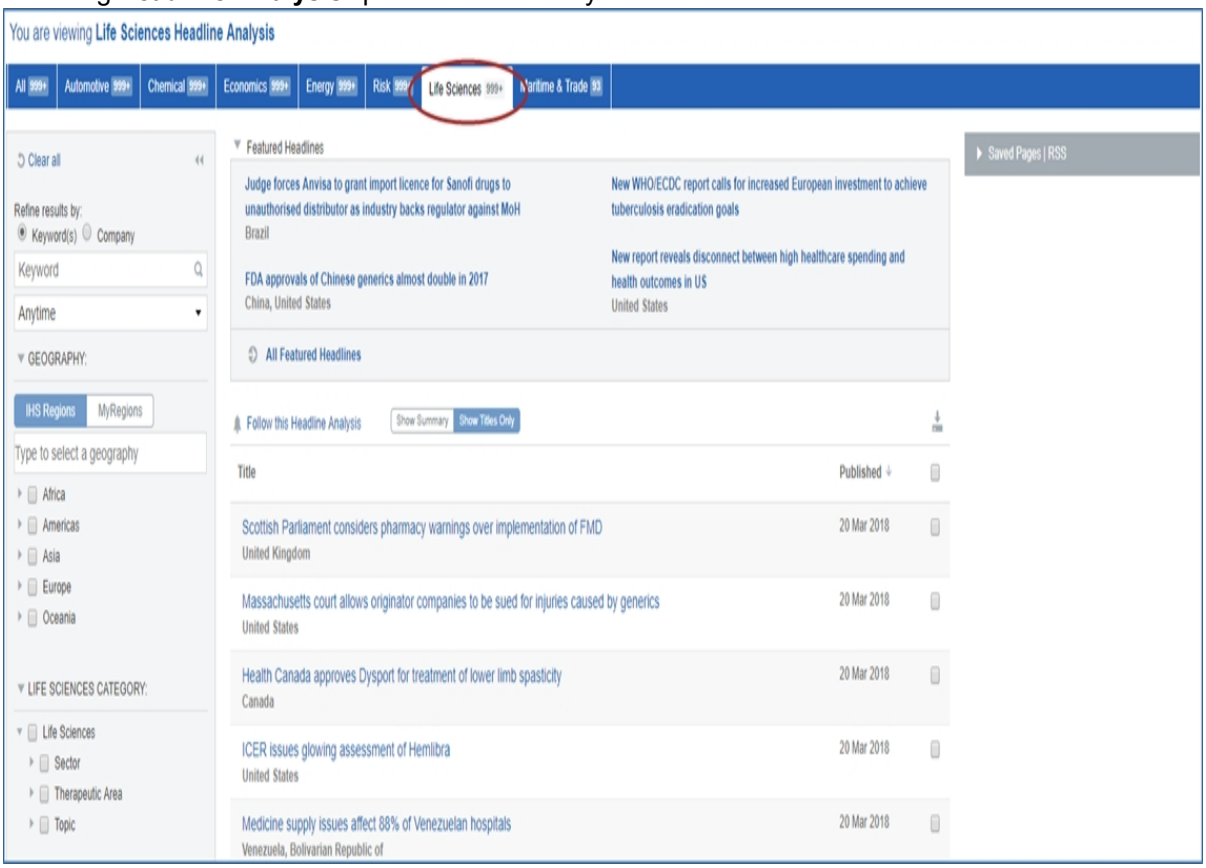


Selecting **Pharmaceutical Pricing Indicators** under Tools / Data Browser opens the **Create Query: Pharmaceutical Pricing Indicators** page in Data Browser.



For more information about Data Browser, see About Data Browser.

Selecting **Headline Analysis** opens Headline Analysis filtered for Life Sciences.



Note: Your subscription determines which databases you can access. For example, the Pricing and Reimbursement Policy Database (POLI) and the PharmOnline International (POLI) Therapeutics databases are additional add-ons to the Global Pricing and Reimbursement subscription.

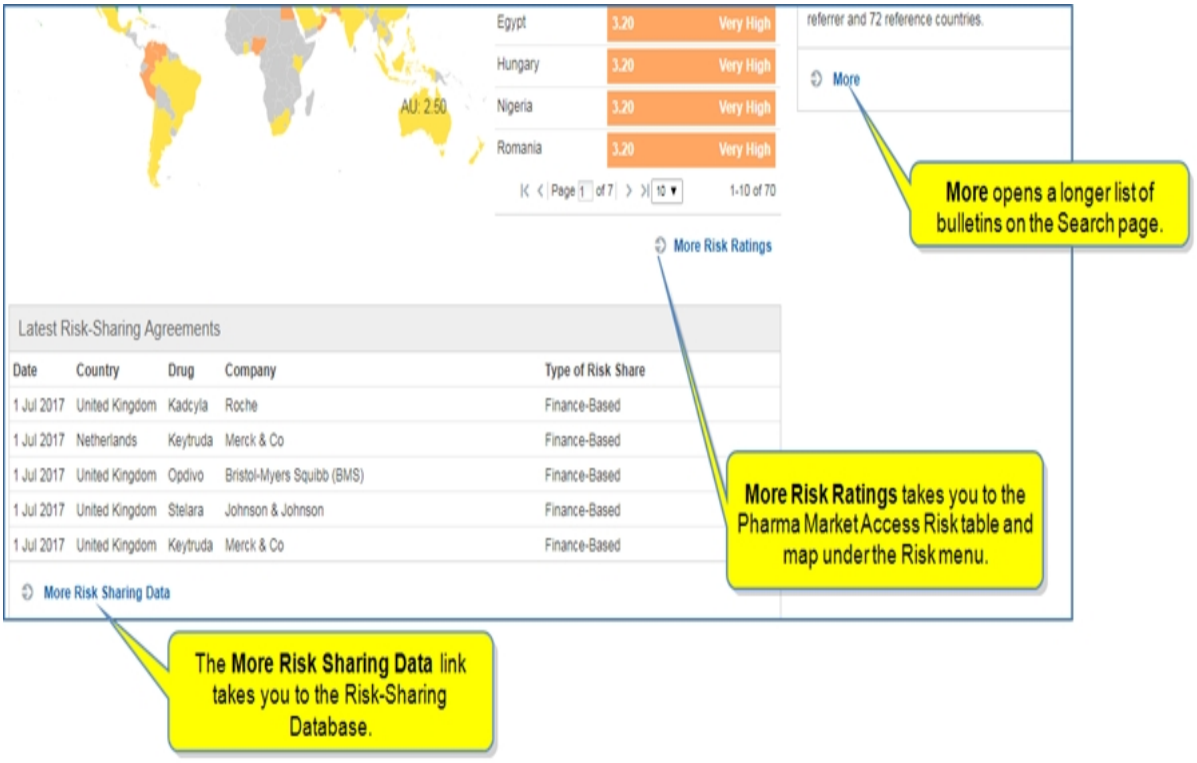
Global Pricing and Reimbursement

The Global Pricing and Reimbursement page focuses on market access and drug price trends. The page begins with five Hot Topics pertinent to global pricing and reimbursement. The **More Hot Topics** link takes you to the Search page filtered for Life Sciences and Hot Topics. The prominent featured article follows with an additional section entitled Featured Headlines. Clicking an article title open the full article. To view all **All Featured Headlines**, click the link to open the full display of Headline Analysis, filtered for Featured Headlines.

The following modules are also available on Pricing and Reimbursement: Headline Analysis, Pharmaceuticals Price Trends, Research and Data Center, Special Reports, POLI Indicators, Market Access Risk Score, Latest Risk-Sharing Agreements, links to the IRP Matrix, Policy Database, POLI Price Database, and POLI Therapeutic Module, Methodology & Glossary, IHS Events, and Service Bulletins.

You can view a country page by entering the country name here. Then click the arrow.
To view an extended list of Hot Topics, click **More Hot Topics** to open the Search page filtered for Hot Topics.
Links to information about the authors and the Expert Directory are here.
Click in the arrow to display popups regarding the International Reference Pricing: Best practice guidebook.
Pricing and Reimbursement - Global
Choose Country
Gustav Ando
Milena Izmirlieva
IHS Expert Directory
HOT TOPICS
Hot Topics address prominent issues.
More Hot Topics
Research and Data Center
CAR-T therapy
Drug shortages
Health reform under Trump
Brexit
China healthcare reform
SPECIAL REPORTS
Research and Data Center documentation is here.
Polish government plans major tightening of transport monitoring to stop illegal parallel drug exports
3 Aug 2017
Click the title of the featured article to view the entire article.
Ad hoc reports on important topics are listed under Special Reports.
FEATURED HEADLINES
Additional four Featured Headlines are displayed here.
All Featured Headlines
To view more Featured Headlines from the full Headline Analysis list for Life Sciences, click here.
Headline Analysis
Pharmaceuticals Price Trends
Pharmaceuticals Price Trends, 2012-16
Average price changes
Headline Analysis articles are here.
Pharmaceutials Price Trends for countries is here.
More Special Reports
To view More Special Reports on the Search page, click here.
Go to IRP Matrix
Go to Policy Database
Go to POLI Price Database
Go to POLI Therapeutics
Links to IRP Matrix, Policy Database, POLI Price Database, and POLI Therapeutics

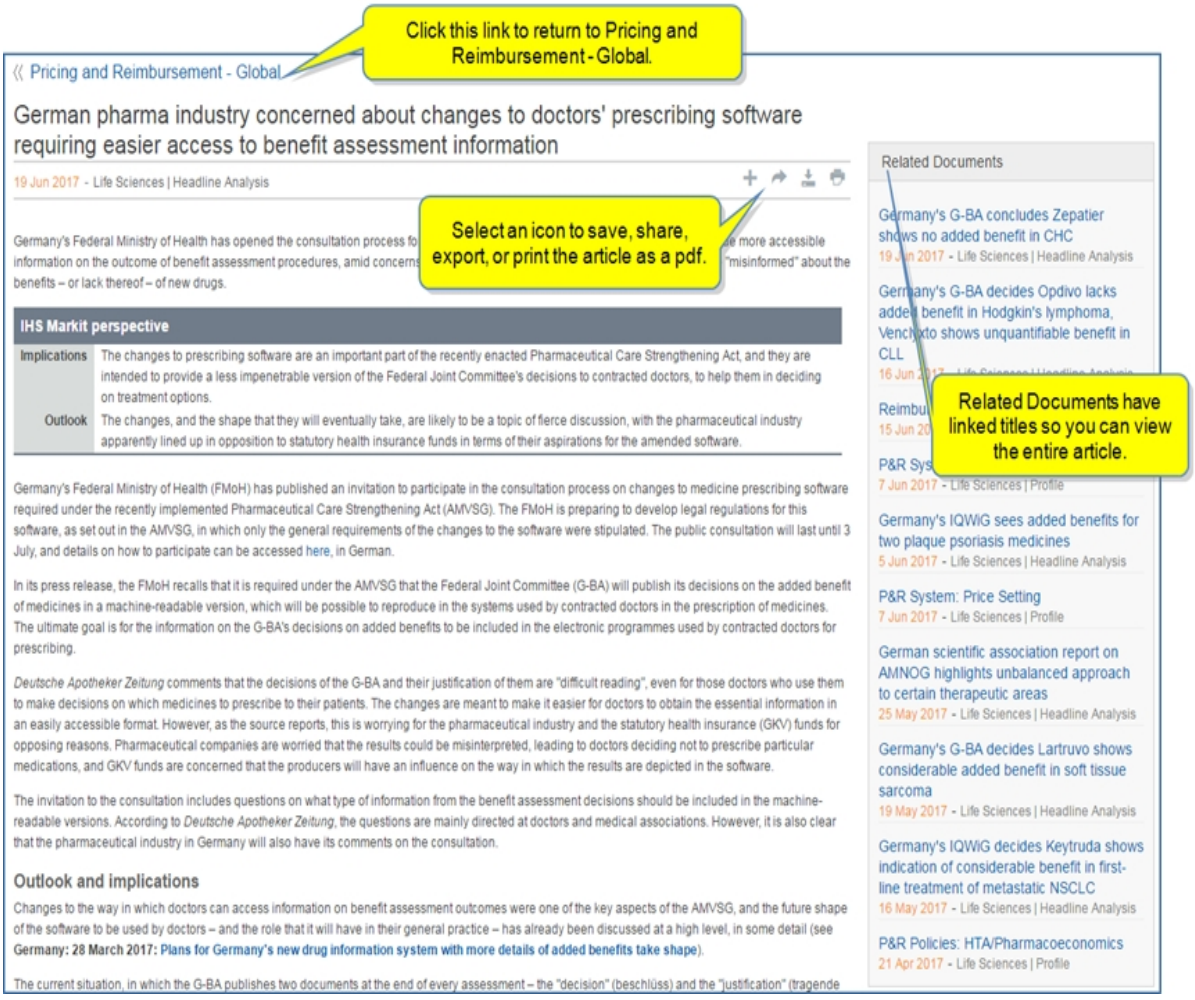
More Headline Analysis
Branded (Patent-Protected)
All
Calculated from IHS Markit PharmOnline (POLI) dataset
More Headline Analysis takes you to the full Headline Analysis for Life Sciences.
Go to Risk-Sharing Database
Link to Risk-Sharing Database
POLI Indicators
Average Pharmaceuticals Time to Pricing, days
Average Pharmaceuticals Time to Pricing, 2016
First pricing entry for branded presentation minus approval date
Japan
United States
Germany
Brazil
United Kingdom
Canada
Australia
Spain
Italy
France
0 50 100 150 200 250 300 350 400 450 500 550
Days
Calculated from IHS Markit PharmOnline (POLI) dataset
METHODOLOGY & GLOSSARY
International Reference Pricing Methodo
POLI Therapeutics User Guide
World Markets Pricing & Reimbursement User Guide
POLI User Guide
Risk-Sharing Agreements Methodology
More
Methodology & Glossary documentation is here.
IHS Events
Life Sciences Briefing | The risks of Brexit, IRP and pricing and pharmaceutical market access
27 Jun 2017
Healthcare Outlook Webcast
healthcare markets in 2017
9 Feb 2017
More
IHS Events inform you of events like webcasts and briefings.
MARKET ACCESS RISK SCORE
Rating: Overall
Country
Rating
Venezuela, Bolivarian Republic of 4.30 Very High
Serbia 3.80 Very High
Pakistan 3.40 Very High
Oman 3.30 Very High
Peru 3.30 Very High
Colombia 3.20 Very High
Market Access Risk Score in map and table format
CA: 2.50
US: 1.80
Russian Federation: 3.10
CN: 2.70
Service Bulletins
Healthcare forecast bulletin Q3 2017
4 Aug 2017
IRP bulletin
19 Jul 2017
IHS Markit's life sciences group is pleased to announce the third-quarter 2017 update of the international reference pricing (IRP) matrix. This bulletin provides the list of amendments made to the matrix in July 2017. Taking into account this round of updates, the matrix now includes 57
Service Bulletins provide announcements regarding Life Sciences.



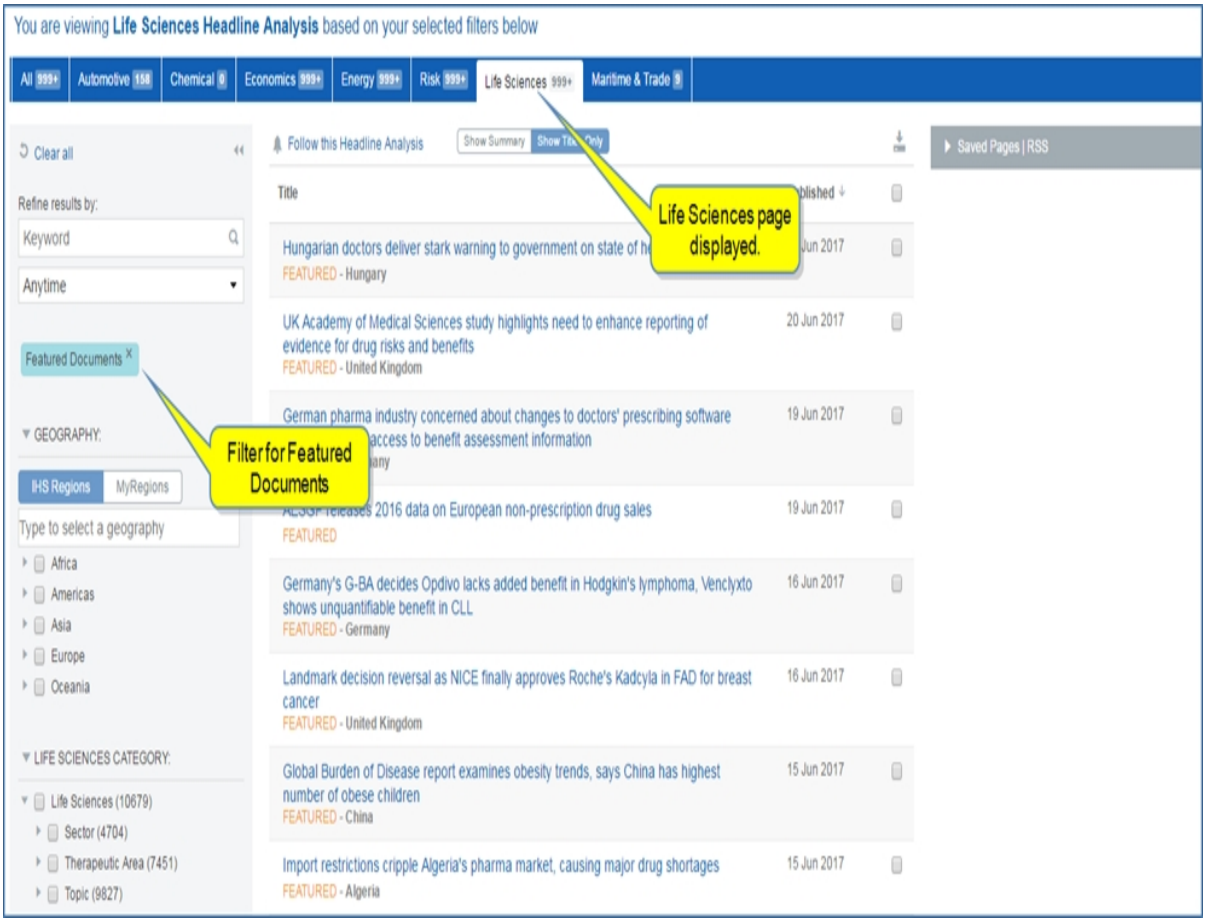
Featured Headlines

Featured Headlines are presented with a prominent headline capturing the greatest interest. Four featured headlines follow with links to the full article when you click the title. A link to view **All Featured Headlines** in the full Headline Analysis page filtered for Life Sciences and Featured Documents is also available.

Clicking the title of a featured article displays the full article. You can save, share, export, or print the article.



Selecting the All Featured Headlines link takes you to full Headline Analysis with the Life Sciences page and Featured Documents selected.

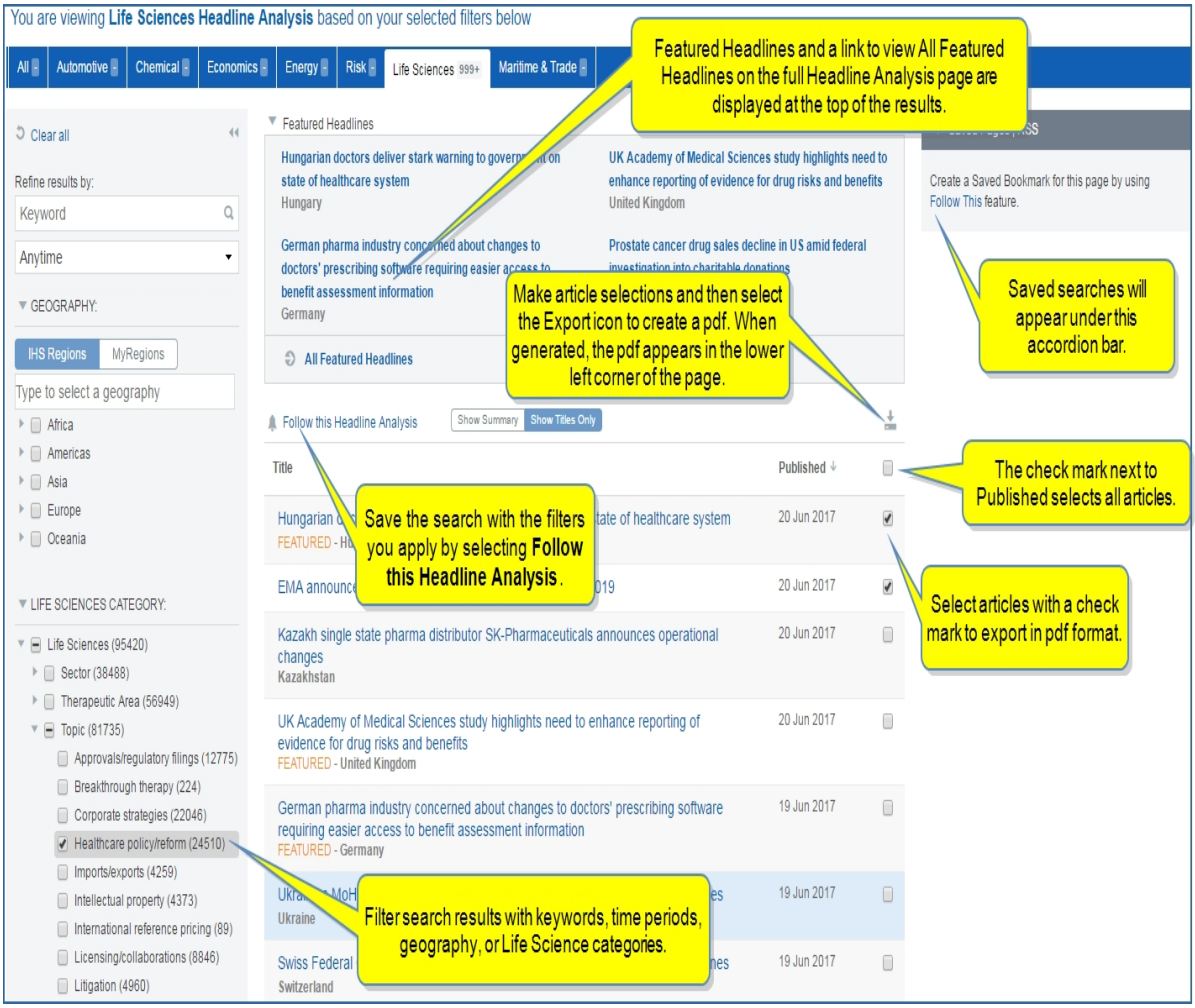


Hot Topics

The Hot Topics cover news about prominent issues for Pricing and Reimbursement.

Headline Analysis

The Headline Analysis articles concentrate on Life Sciences topics. Clicking **More Headline Analysis** opens the full Headline Analysis page with the Life Sciences tab selected. You can save the page using the **Follow this Headline Analysis** feature. You can also apply keyword, time period, geography, and Life Sciences category filters to refine and save search results using **Follow this Headline Analysis**. When pages are saved, they appear in My Connect and under **Saved Pages** in the right panel of the Headline Analysis page.



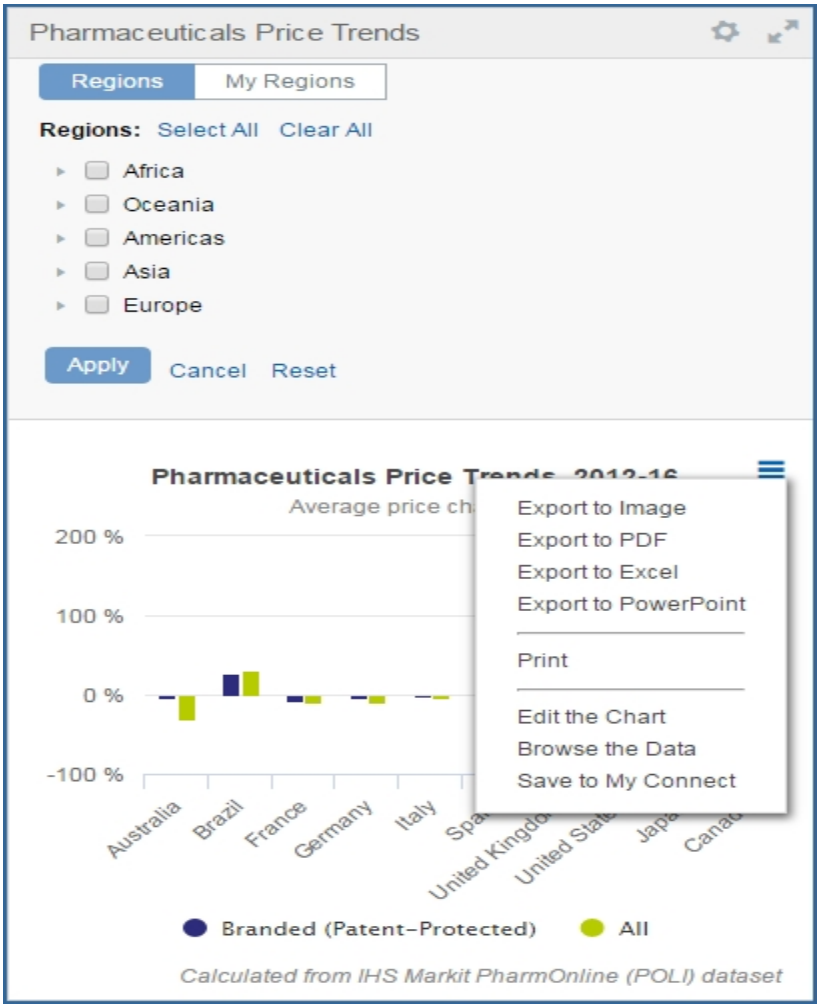
Pharmaceuticals Price Trends

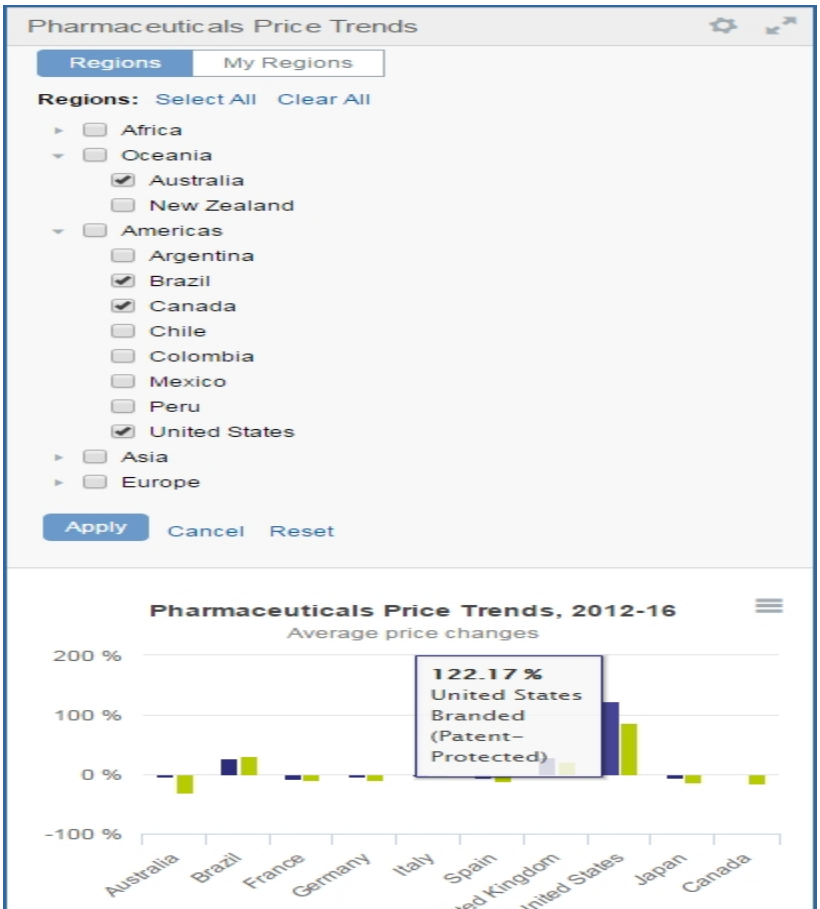
Pharmaceuticals Price Trends shows cost increases in different countries. The chart is customizable, so by selecting the gear icon, you can open filter choices for regions and countries. Apply the filters with the **Apply** button. You can also **Cancel** or **Reset**.

Note: the full dataset and time series is available in Data Browser.

When you select the **Menu** bars, options to export, print, edit, browse the data, and save to My Connect are displayed. Selecting Browse the Data opens the query page for Pharmaceutical Pricing Indicators.

Hover a graph bar to display percent data.


Pharmaceuticals Price Trends
Regions
My Regions
Regions: Select All Clear All
Africa
Oceania
Americas
Asia
Europe
Apply
Cancel
Reset
Pharmaceuticals Price Trends, 2012-16
Average price ch
200 %
100 %
0 %
-100 %
Australia
Brazil
France
Germany
Italy
Export to Image
Export to PDF
Export to Excel
Export to PowerPoint
Print
Edit the Chart
Browse the Data
Save to My Connect
Branded (Patent-Protected)
All
Calculated from IHS Markit PharmOnline (POLI) dataset


Pharmaceuticals Price Trends
Regions
My Regions
Regions: Select All Clear All
Africa
Oceania
Australia
New Zealand
Americas
Argentina
Brazil
Canada
Chile
Colombia
Mexico
Peru
United States
Asia
Europe
Apply
Cancel
Reset
Pharmaceuticals Price Trends, 2012-16
Average price changes
200 %
100 %
0 %
-100 %
122.17%
United States
Branded
(Patent-
Protected)
Australia
Brazil
France
Germany
Italy
Spain
Japan
Canada

The calculations for Pharmaceuticals Price Trends are calculated from the IHS Markit PharmOnline (POLI) dataset.

Research and Data Center

The Research and Data Center documentation covers Life Sciences topics.

Special Reports

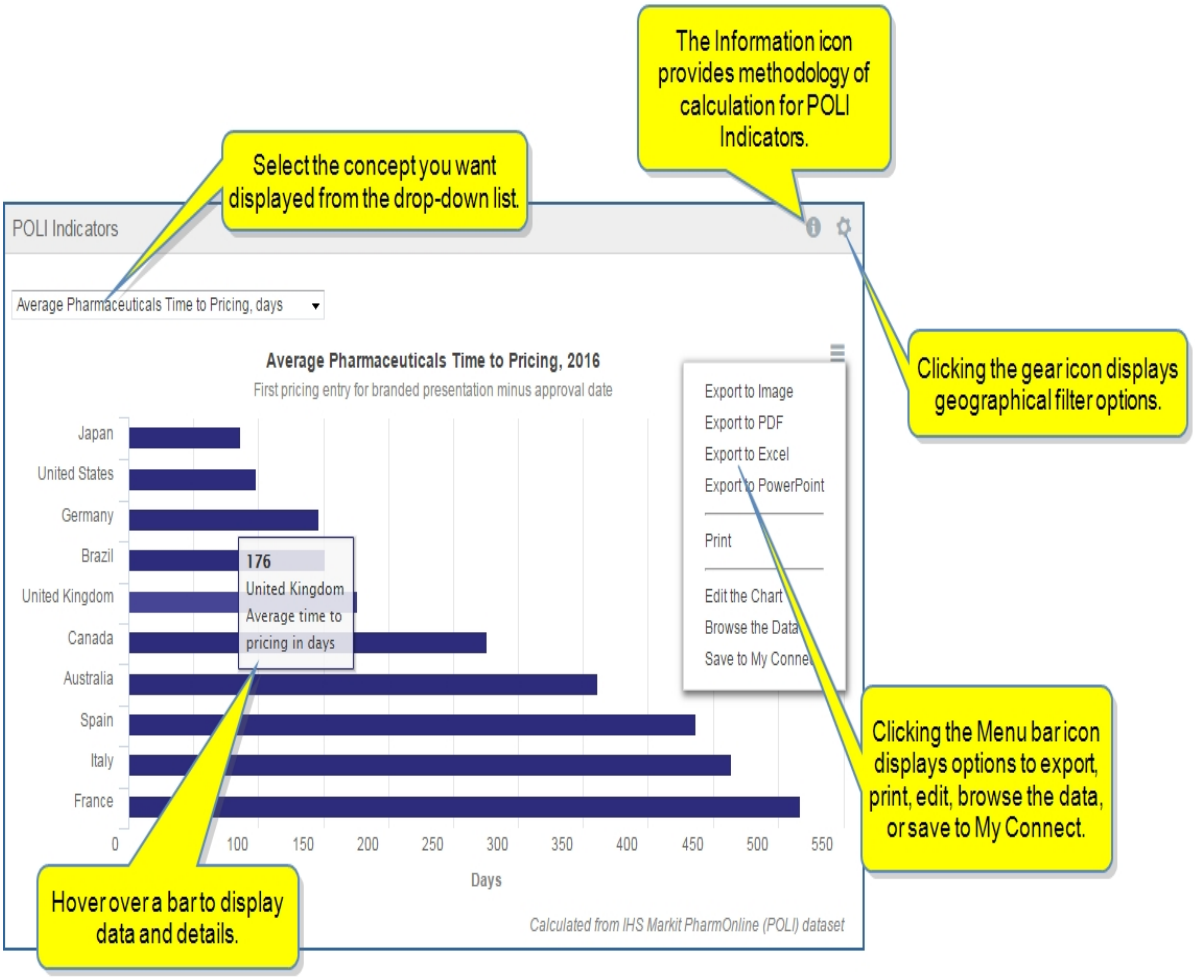
Special Reports are ad hoc articles the researchers / authors choose to write to bring important topics to your attention.

POLI Indicators

The POLI Indicators chart applies two criteria from the drop-down menu for individual countries: **Average Pharmaceuticals Time to Pricing, days** and **Number of Active Ingredients Reimbursed**. Average Pharmaceuticals Time to Pricing, days indicates the time it takes for a drug to be ready, approved, and then enter the market. The Number of Active Ingredients Reimbursed indicates how extensive the government health systems and markets are for different countries.

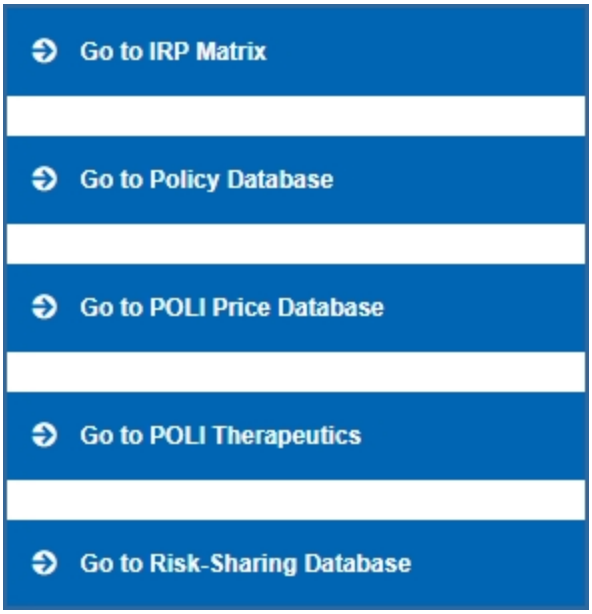
Note: the POLI Indicators module is available to customers who purchase the full POLI Drug dataset.

When you select the gear icon, options for geographical filters are displayed enabling you to customize the chart.



Links to databases

To navigate directly to the Pricing and Reimbursement search tools from the Pricing and Reimbursement page, select a database.



Methodology and Glossary

Documentation for Global methodology and glossary information is available in this module with links that take you to the documentation.

IHS Events

Upcoming events sponsored by IHS Markit regarding Pricing and Reimbursement for Life Sciences are posted here.

Service Bulletins

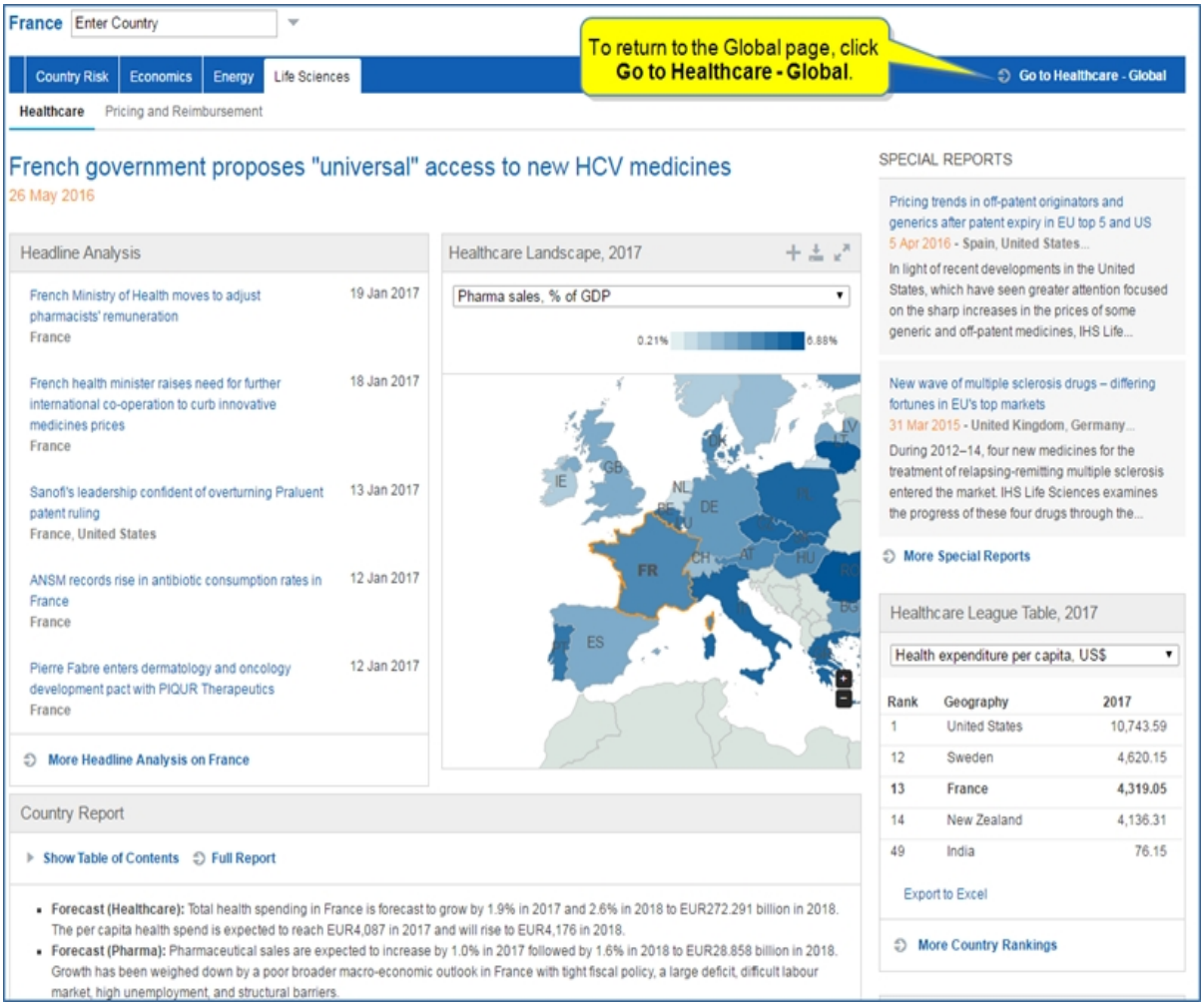
Service Bulletins describe announcements and activities related to Life Sciences / Global Pricing and Reimbursement

Related Products and Platforms

Related Products and Platforms are displayed in the right pane. Hover and click a topic to navigate to the product or platform.

Research a Country

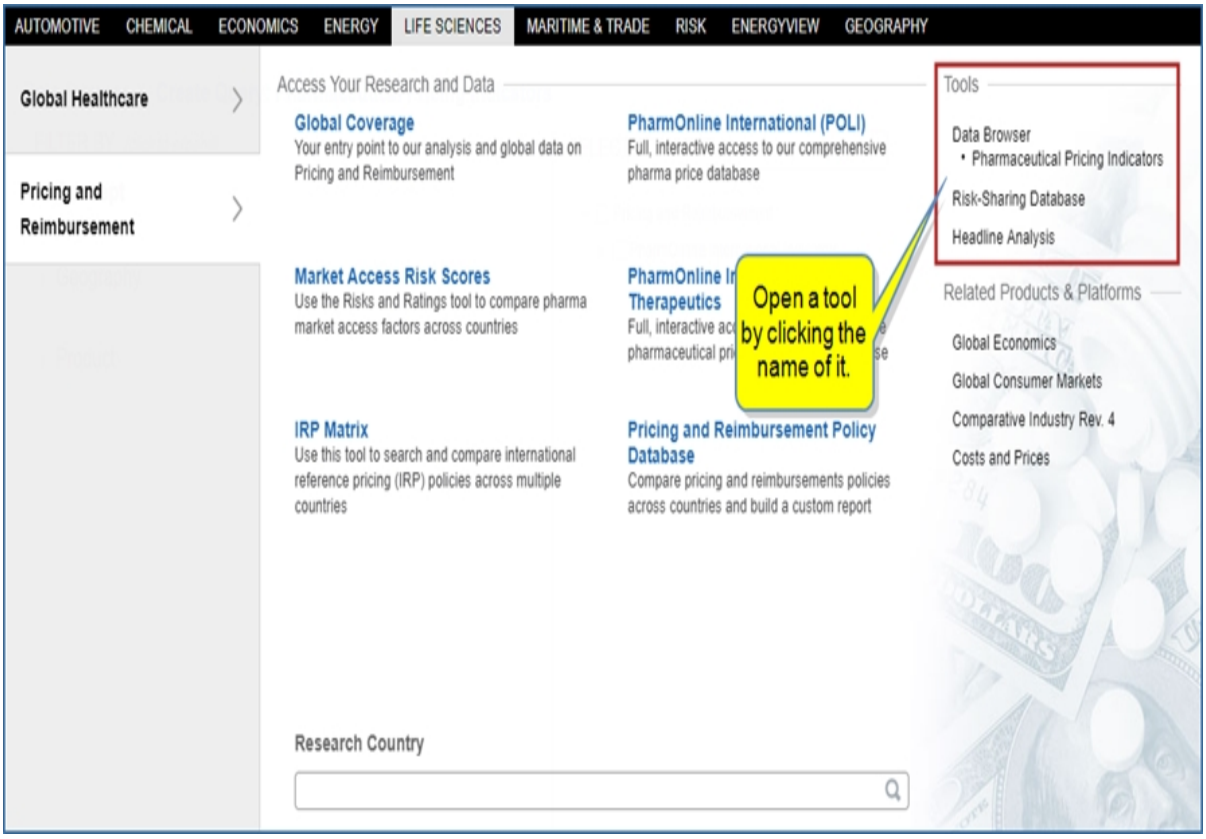
Enter a country name in the **Research a Country** field to navigate to an individual country page. See Global Healthcare for more information about the country profile page.



Accessing information about tools

The tools available to Pricing and Reimbursement are listed in the right panel. Click the name of a tool to open it.

- **Country Ranking Tool**—opens the Life Sciences Country Ranking Table.
- **Data Browser**—opens Data Browser filtered for Life Sciences. See About Data Browser.
- **Pharmaceutical Pricing Indicators**—opens the query page for Pharmaceutical Pricing Indicators Data Browser



Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

Country Page - Pricing and Reimbursement

You can access country pages for Pricing and Reimbursement two ways.

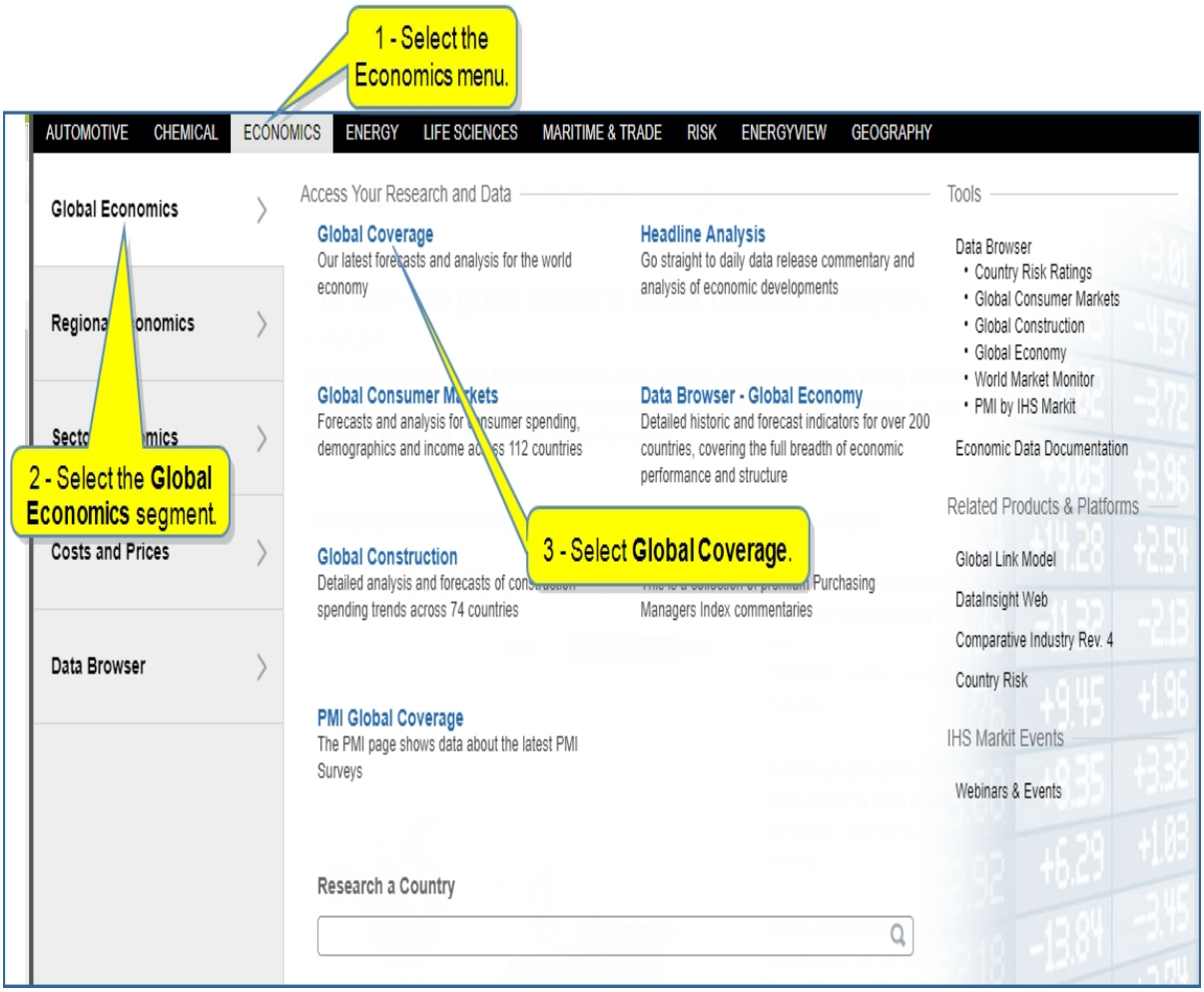
- From the Pricing and Reimbursement - Global page, type a country in the **Choose Country** field, and then click the arrow or the country name from the suggested list that displays below the field.

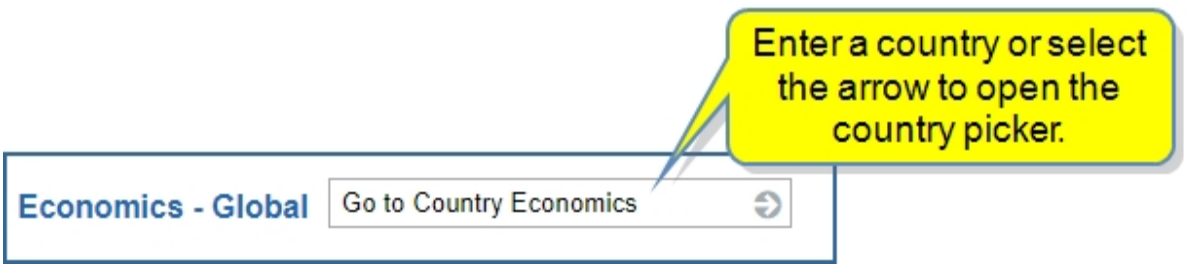
  The country page is displayed with **Healthcare** and **Pricing and Reimbursement** tabs.

- From the Life Sciences megamenu, start typing a country into the **Research a Country** field. As Connect displays suggestions, select the country.

  The country page is displayed with **Healthcare** and **Pricing and Reimbursement** tabs.

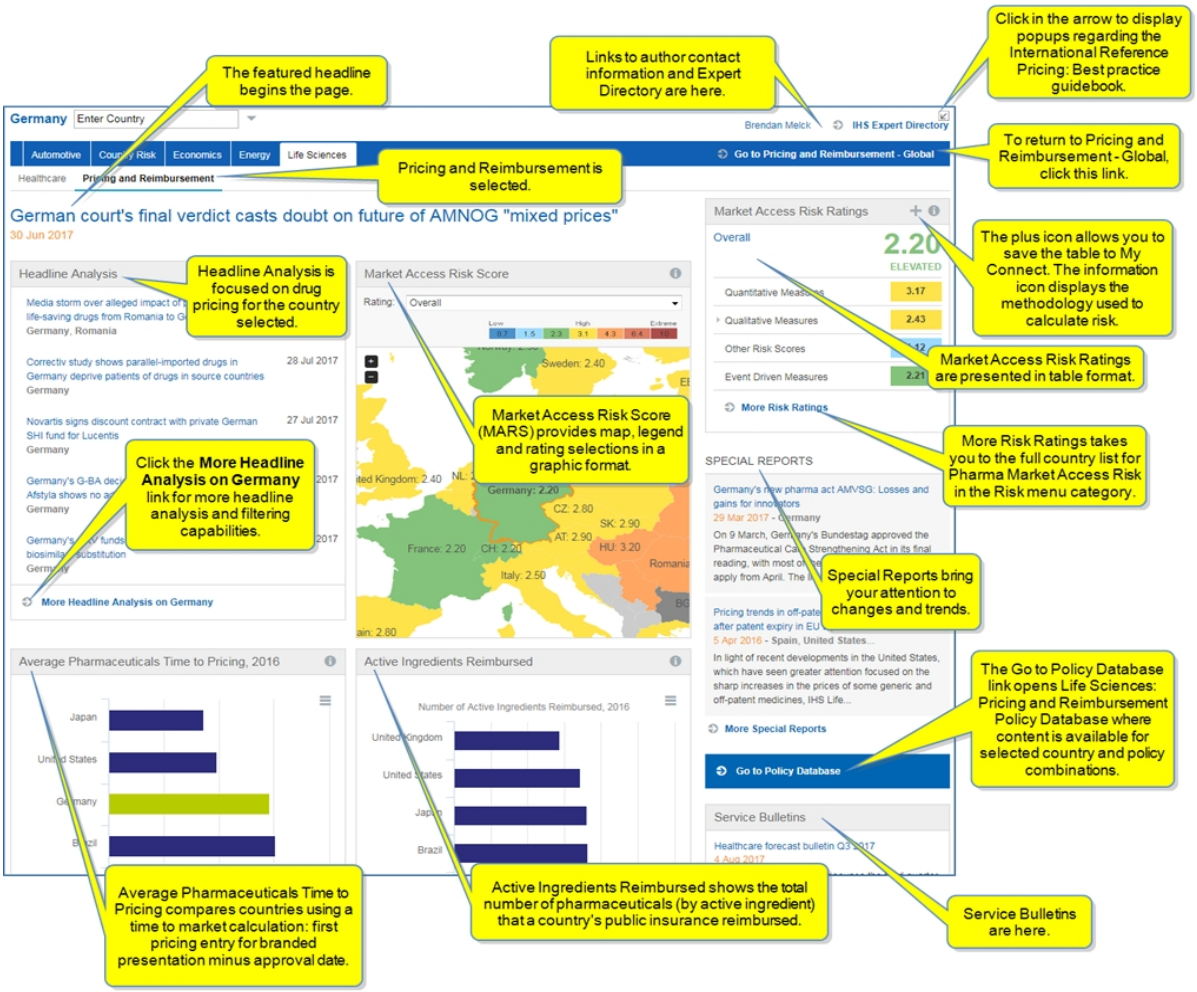
From the **Economics** megamenu, select **Global Economics** and then **Global Coverage**. Use the **Enter Country** field to open a country page, which displays tabs for **Automotive**, **Country Risk**, **Economics**, **Energy**, and **Life Sciences**. When you navigate from the Global page to a country page for Life Sciences, the country page is automatically filtered for Life Sciences with headings for **Healthcare** and **Pricing and Reimbursement**. To return to the global page, select the Go to Healthcare - Global link.



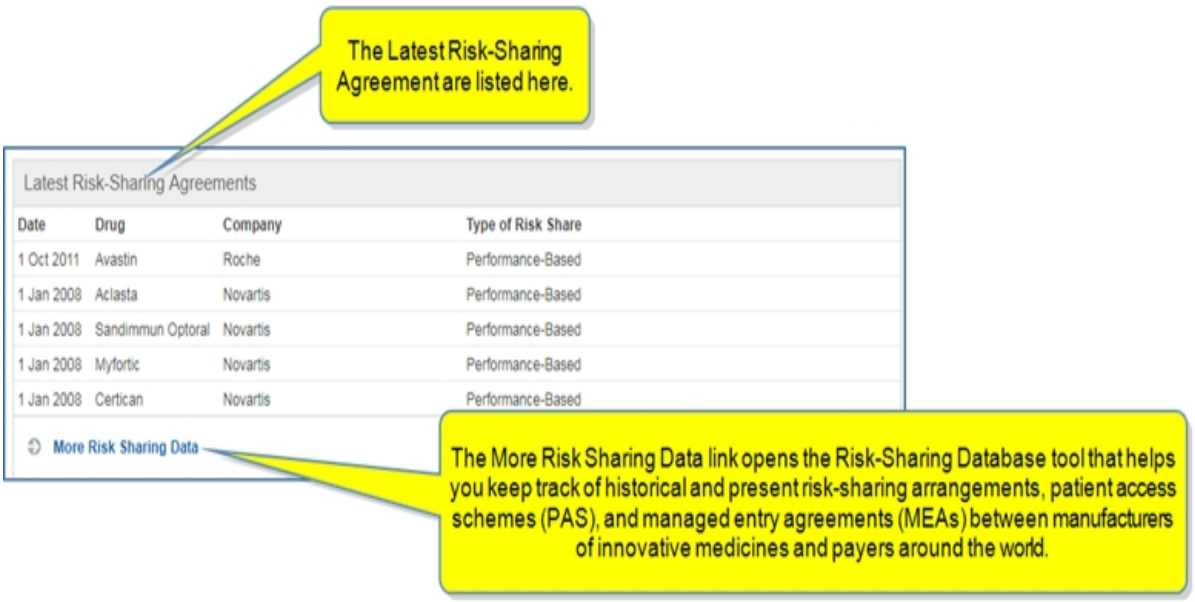


The Pricing and Reimbursement country page focuses on actual prices for drugs and describes risk factors as they apply to pharmaceutical companies ready to launch a drug for a selected country. The page begins with the featured article followed by Headline Analysis, Market Access Risk Score, Market Access Risk Ratings, Average Pharmaceuticals Time to Pricing, Active Ingredients Reimbursed, Pharmaceuticals Price Trends, Country Report, Latest Risk-Sharing Agreements, Special Reports, Service Bulletins, Methodology, and IHS Events.

Note: Your subscription determines access to the **Healthcare** and **Pricing and Reimbursement** tabs. The following graphic presents the **Pricing and Reimbursement** tab. See Country Page - Healthcare for information about the **Healthcare** tab and page.

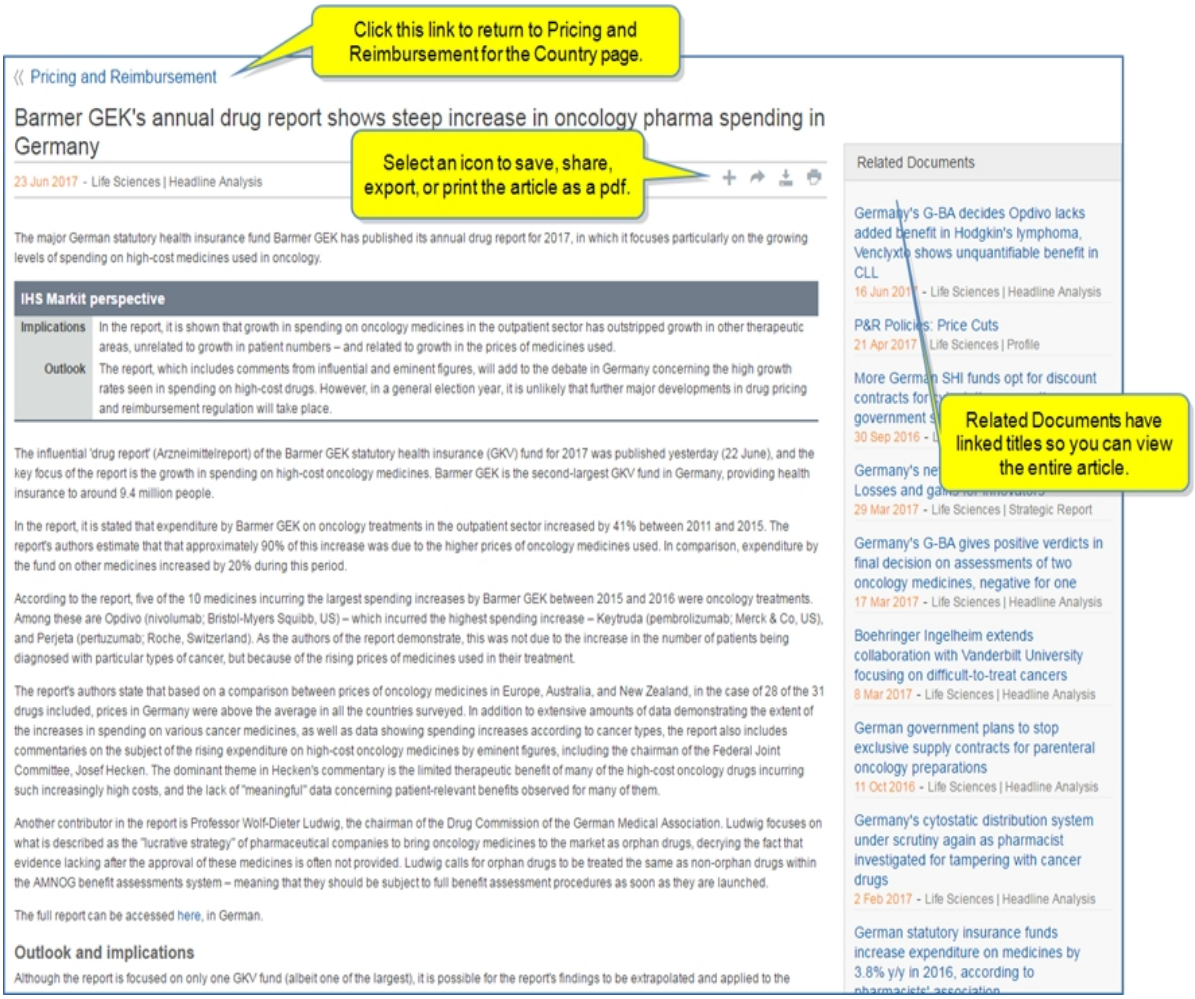


United Kingdom
0 50 100 150 200
Days
Calculated from IHS Markit PharmOnline (POLI) dataset
Germany
0 500 1000 1500 2000 2500 3000
Number
Calculated from IHS Markit PharmOnline (POLI) dataset
Pharmaceuticals Price Trends
Pharmaceutical Price Trends by country
Pharmaceuticals Price Trends
Average price changes, 2012-2016
75 %
50 %
25 %
0 %
-25 %
Germany
Brazil
Japan
United Kingdom
United States
Branded (Patent-Protected)
All
Calculated from IHS Markit PharmOnline (POLI) dataset
When available, Methodology documentation is here.
Country Report
Show Table of Contents
Full Report
A summary of the Country Report is here. You can display the Table of Contents or the Full Report using the links.
IHS Markit is pleased to announce the third-quarter 2017 update of our healthcare and pharmaceutical sales forecast. This bulletin highlights some of the main changes to the forecast made in July 2017.
IRP bulletin
19 Jul 2017
IHS Markit's life sciences group is pleased to announce the third-quarter 2017 update of the international reference pricing (IRP) matrix. This bulletin provides the list of amendments made to the matrix in July 2017. Taking into account this round of updates, the matrix now includes 57 referrer and 72 reference countries.
More
METHODOLOGY
International Reference Pricing Methodology
POLI Therapeutics User Guide
World Markets Pricing &
Guide
More
Links to IHS Events are here.
IHS Events
Life Sciences Briefing | The risks of Brexit, IRP and pricing and pharmaceutical market access
27 Jun 2017
Healthcare Outlook Webcast | Overview of global healthcare markets in 2017
9 Feb 2017
More


The Latest Risk-Sharing Agreement are listed here.
Latest Risk-Sharing Agreements
Date
Drug
Company
Type of Risk Share
1 Oct 2011 Avastin Roche Performance-Based
1 Jan 2008 Aclasta Novartis Performance-Based
1 Jan 2008 Sandimmun Optoral Novartis Performance-Based
1 Jan 2008 Myfortic Novartis Performance-Based
1 Jan 2008 Certican Novartis Performance-Based
More Risk Sharing Data
The More Risk Sharing Data link opens the Risk-Sharing Database tool that helps you keep track of historical and present risk-sharing arrangements, patient access schemes (PAS), and managed entry agreements (MEAs) between manufacturers of innovative medicines and payers around the world.

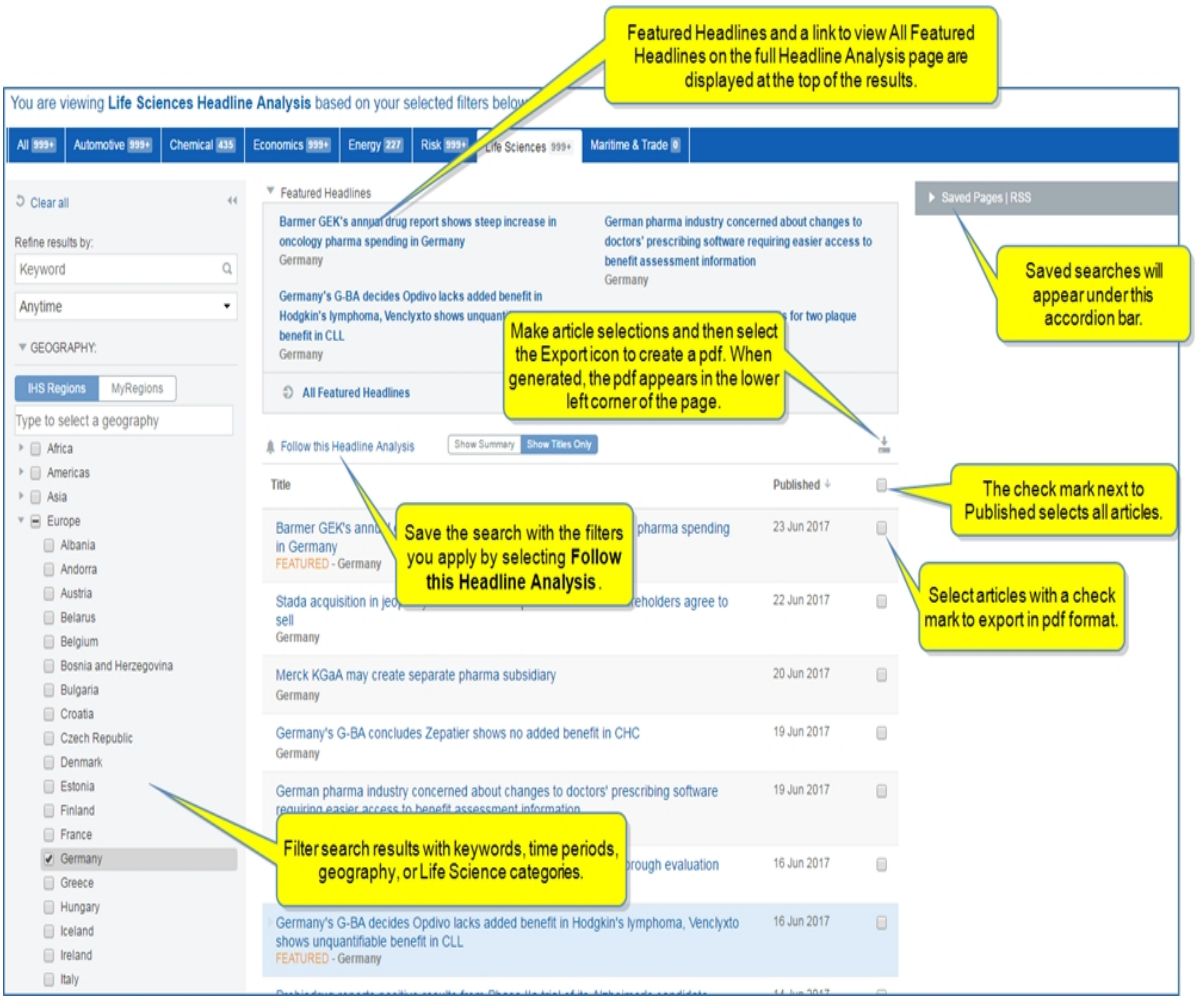
Featured Headline

The featured, prominent headline presents an article of interest. Click the title of a featured article to view the full article. You can save, share, export, or print the article.



Headline Analysis

The Headline Analysis articles concentrate on Life Sciences topics for the country selected. Clicking **More Headline Analysis on Germany** opens the full Headline Analysis page with Germany and the Life Sciences tab selected. You can save the page using the **Follow this Headline Analysis** feature. You can also apply keyword, time period, geography, and Life Sciences category filters to refine and save search results using **Follow this Headline Analysis**. When pages are saved, they appear in My Connect and under **Saved Pages** in the right panel of the Headline Analysis page.



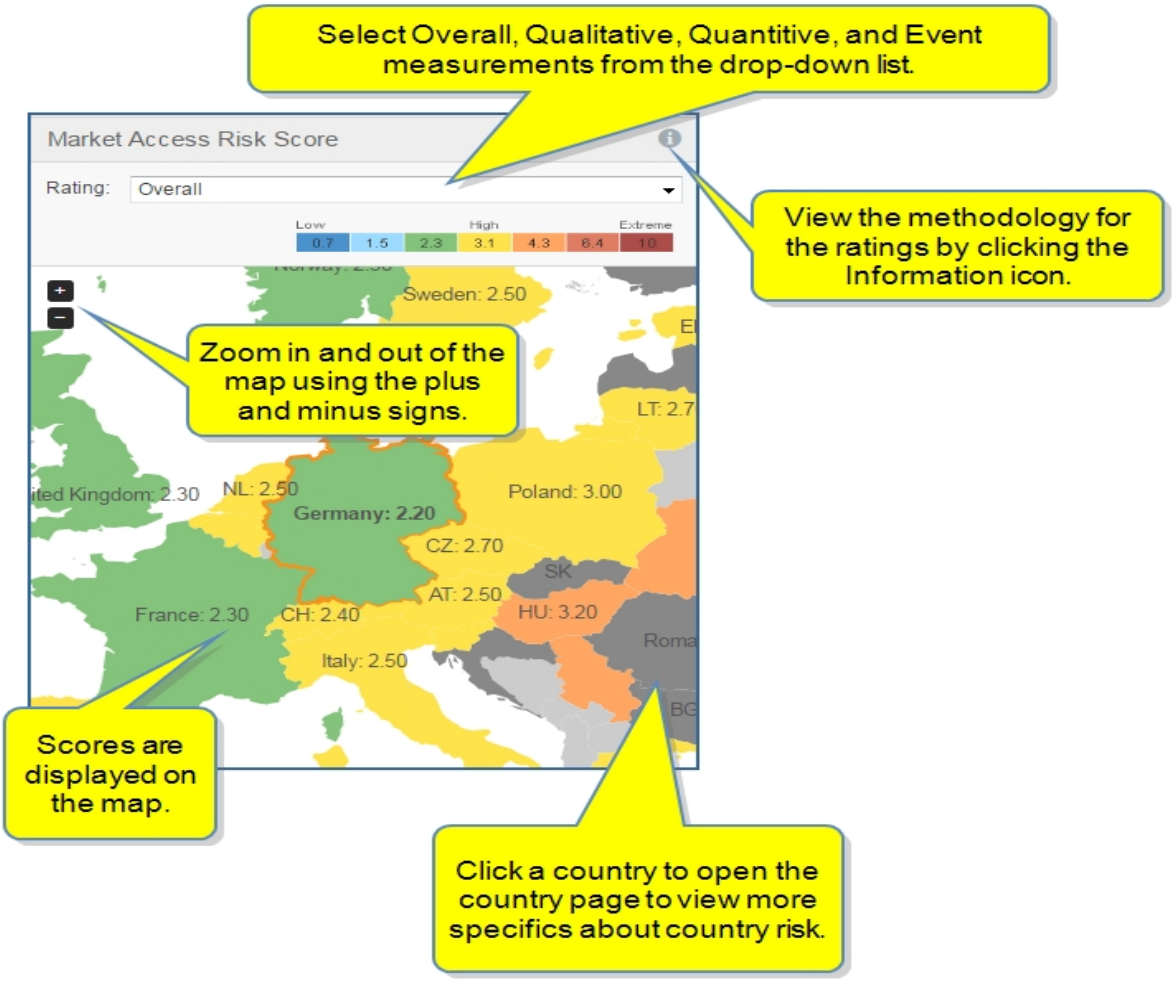
Market Access Risk Score

Market Access Risk Score uses the Risks and Ratings tool to compare pharma market access factors across countries.

The Market Access Risk Score module rates the market access risk for pharmaceuticals in countries based on Overall assessment, Quantitative Measures, Qualitative Measures, and Event Driven Measures in ascending or descending order on the table. The map provides scores for countries in a geographical context. You can zoom in and out of the map, or you can click a country to navigate to the country page for that country.

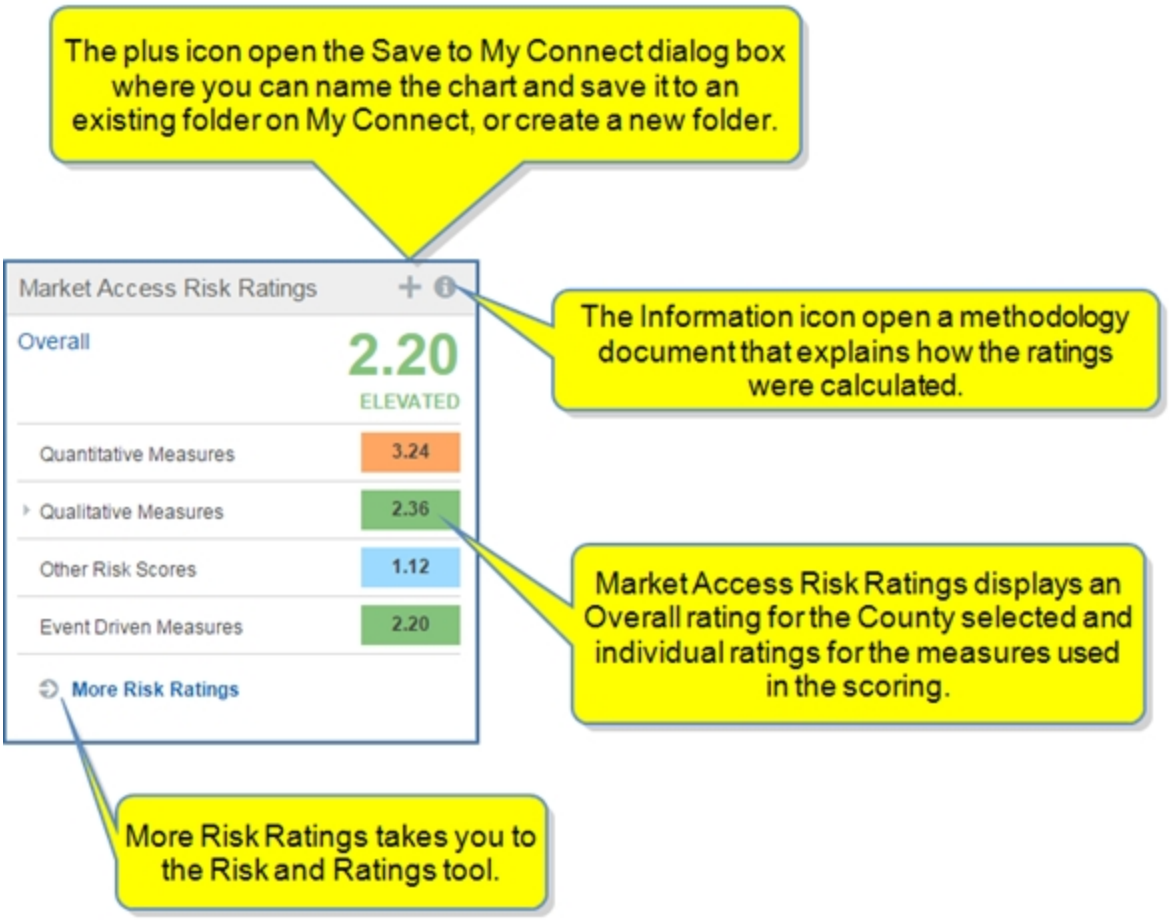
The map opens with your selected country bordered in orange.

The information icon displays the Market Access Risk Scores (MARS) Methodology which states that market access risk is "the integrated risk associated with all those factors which determine or affect the ability and the willingness of a country to grand market access to a particular branded product." The quantitative risk considers the country's ability to pay for new drugs. The qualitative risk assesses policy level drivers that govern and affect market access. Also included in the analysis are event driven measures that affect a country's ability to market pharmaceuticals.



Market Access Risk Ratings

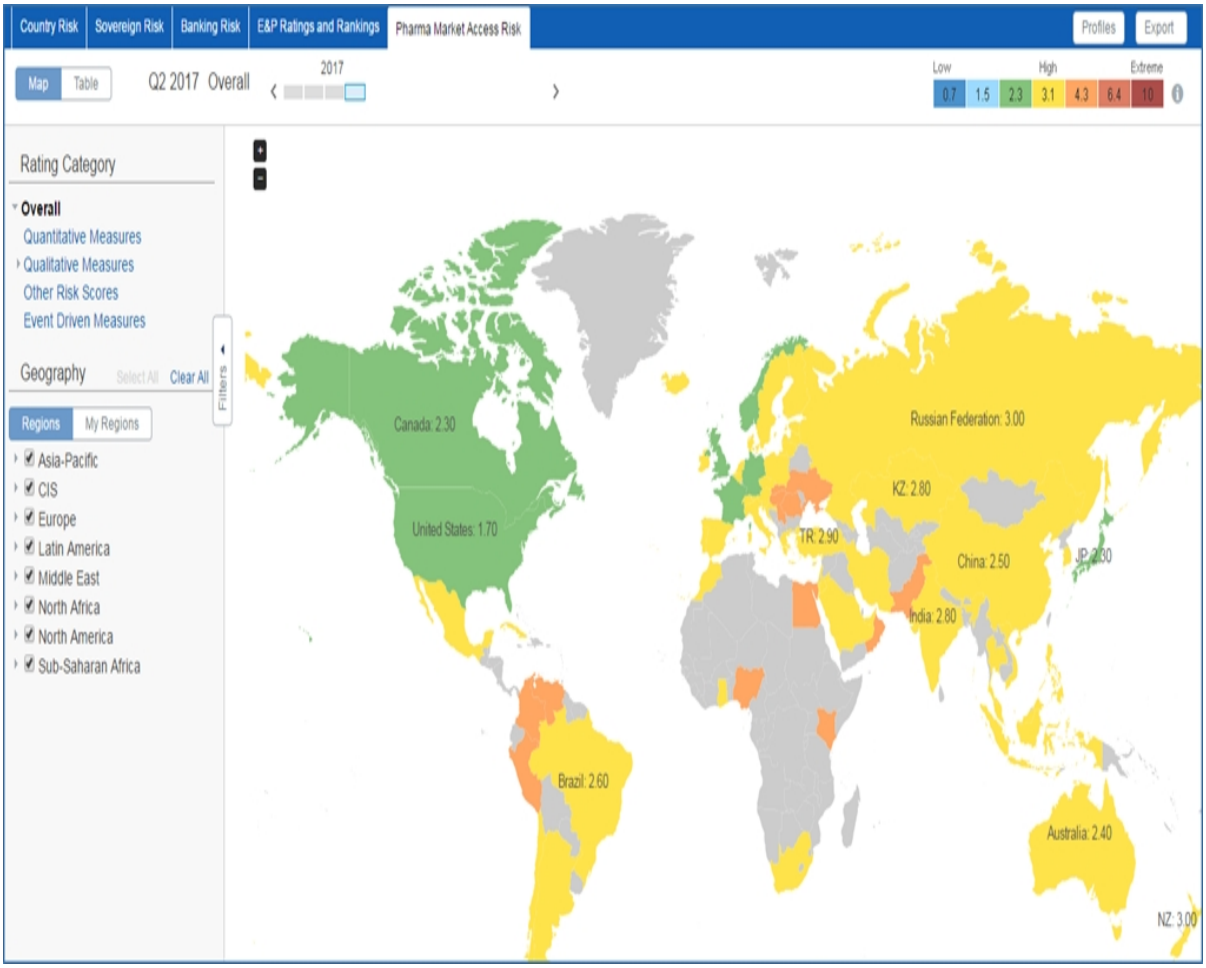
Market Access Risk Ratings displays an Overall rating for the Country selected and individual ratings for the measures used in the scoring.



When you select the **More Risk Ratings** link in the lower right corner of the module, you navigate to the Risks and Ratings tool with the Pharma Market Access Risk tab selected. Both a Map and Table are available with filters for Rating Category and Geography and a time slider.

Selecting a country from the Rank Country list displays a chart indicating risk trend.

Country Risk
Sovereign Risk
Banking Risk
E&P Ratings and Rankings
Pharma Market Access Risk
Profiles
Export
Map
Table
Q3 2017
2017
Low
High
Extreme
0.7 1.5 2.3 3.1 4.3 6.4 10
Geography
Select All Clear All
Regions
My Regions
Asia-Pacific
CIS
Europe
Latin America
Middle East
North Africa
North America
Sub-Saharan Africa
Filters
Rank Country Risk Change Date Overall Quantitative Measures Qualitative Measures Other Risk Scores Event Driven Measures
6 Egypt 14 Jul 2017 3.20 Very High 6.08 2.16 1.30 3.21
6 Hungary 14 Jul 2017 3.20 Very High 5.05 3.47 1.17 3.16
6 Nigeria 14 Jul 2017 3.20 Very High 6.33 1.70 1.71 3.22
6 Romania 14 Jul 2017 3.20 Very High 5.72 2.91 1.20 2.91
6 Ukraine 14 Jul 2017 3.20 Very High 5.66 1.97 2.05 3.20
12 Cyprus 14 Jul 2017 3.10 High 4.70 3.39 1.18 2.96
12 Ghana 14 Jul 2017 3.10 High 5.77 2.34 1.17 3.04
12 Kenya 14 Jul 2017 3.10 High 6.23 1.96 1.26 3.12
12 Russian Federation 14 Jul 2017 3.10 High 4.79 3.02 1.52 3.15
Kenya
Overall
3.10 High
as of: 6 Aug 2017
3.25
3.2
3.15
3.1
3.05
2017-05-01
Last Change: from 3.20 Very High to 3.10 High, 14 Jul 2017

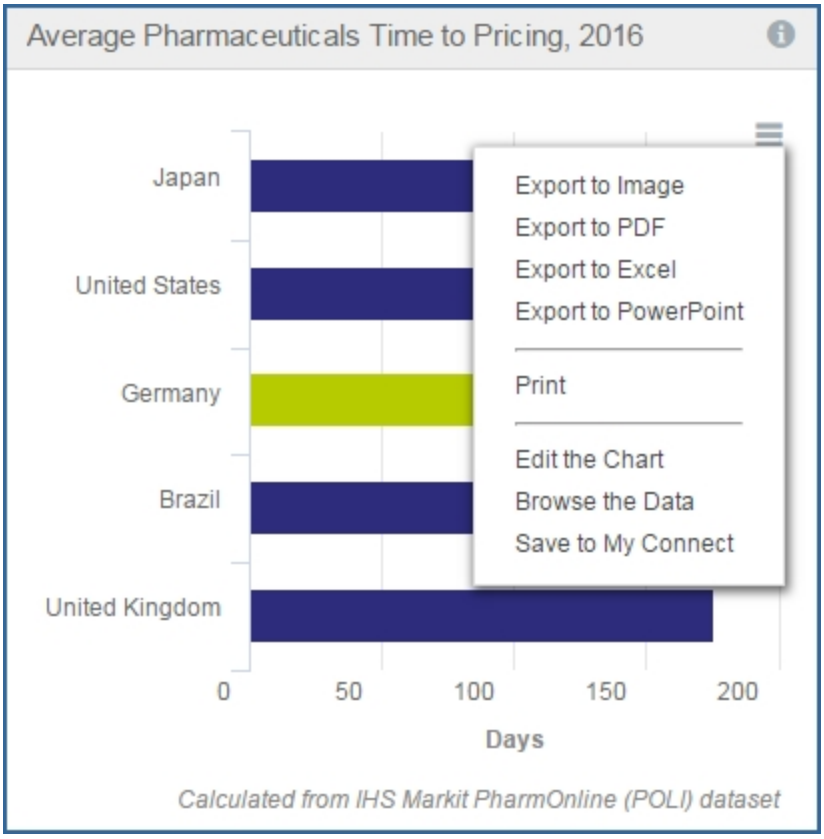

Country Risk
Sovereign Risk
Banking Risk
E&P Ratings and Rankings
Pharma Market Access Risk
Profiles
Export
Map
Table
Q2 2017 Overall
2017
Low
High
Extreme
0.7 1.5 2.3 3.1 4.3 6.4 10
Rating Category
Overall
Quantitative Measures
Qualitative Measures
Other Risk Scores
Event Driven Measures
Geography
Select All Clear All
Regions
My Regions
Asia-Pacific
CIS
Europe
Latin America
Middle East
North Africa
North America
Sub-Saharan Africa
Filters
Canada: 2.30
United States: 1.70
Russian Federation: 3.00
KZ: 2.80
TR: 2.90
China: 2.50
India: 2.80
Brazil: 2.60
Australia: 2.40
NZ: 3.00

You can expand the Rating Category for the Map view and select individual risk factors / policies for display on the Map.

For more information about the Risks and Ratings tool, see Risks and Ratings feature overview under Tools in the help documentation.

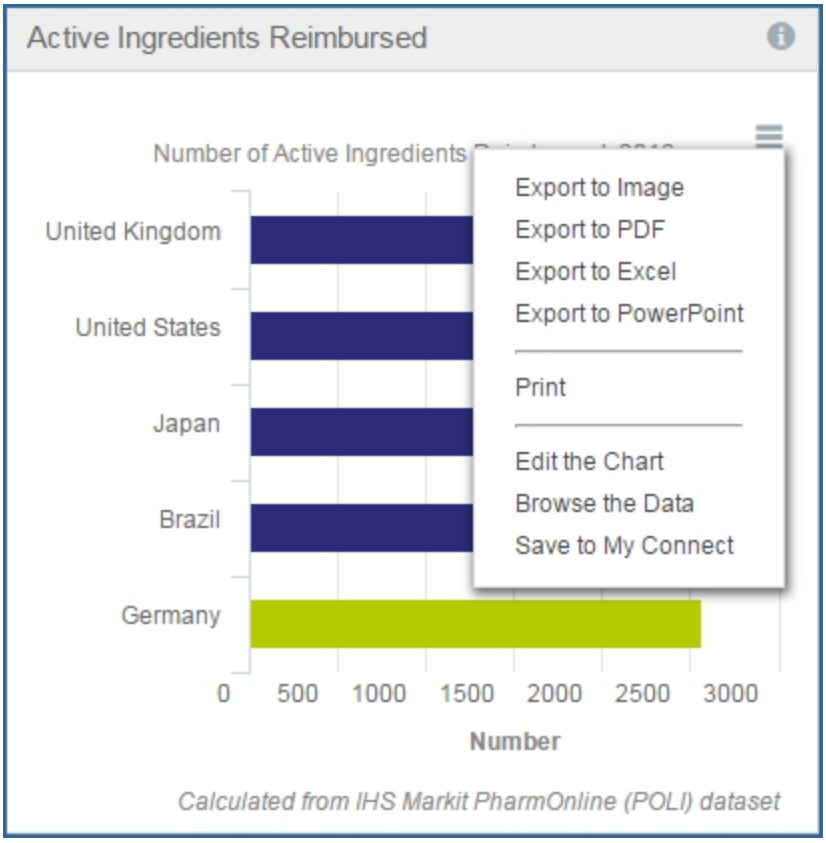
Average Pharmaceuticals Time to Pricing

Average Pharmaceutical Time to Pricing is a time to market calculation: first pricing entry for branded presentation minus approval date. The selected country is highlighted. When you click the Menu bar icon, options are displayed to export, print, edit the chart, browse the data, and save to My Connect.



Active Ingredients Reimbursed

Active Ingredients Reimbursed is an indicator that shows the total number of pharmaceuticals (by active ingredient) that a country's public insurance reimbursed. The selected country is highlighted. When you click the Menu bar icon, options are displayed to export, print, edit the chart, browse the data, and save to My Connect.

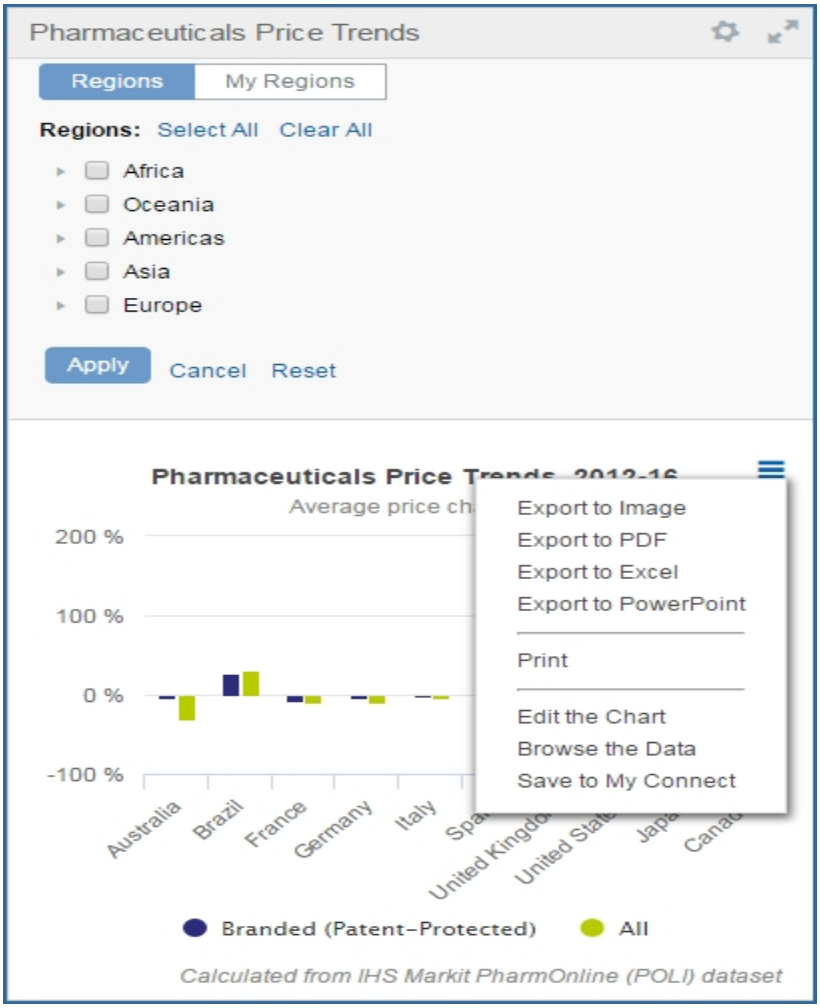


Pharmaceuticals Price Trends

Pharmaceuticals Price Trends shows cost increases in different countries.

When you select the **Menu** bars, options to export, print, edit, browse the data, and save to My Connect are displayed. Selecting Browse the Data opens the query page for Pharmaceutical Pricing Indicators.

Hover a graph bar to display percent data.

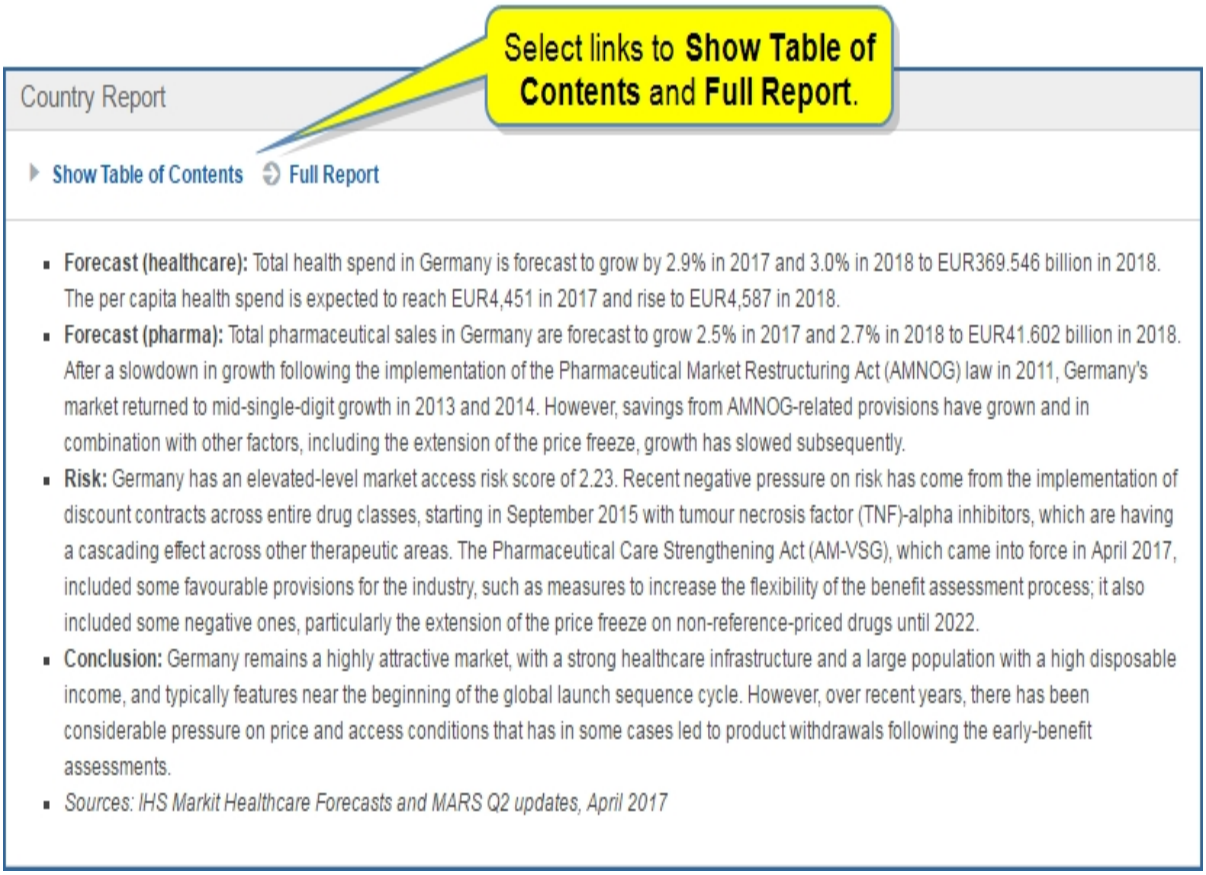

Pharmaceuticals Price Trends
Regions
My Regions
Regions: Select All Clear All
Africa
Oceania
Americas
Asia
Europe
Apply
Cancel
Reset
Export to Image
Export to PDF
Export to Excel
Export to PowerPoint
Print
Edit the Chart
Browse the Data
Save to My Connect
200 %
100 %
0 %
-100 %
Australia
Brazil
France
Germany
Italy
Branded (Patent-Protected)
All
Calculated from IHS Markit PharmOnline (POLI) dataset

The Menu bar offers options to export, print, edit, browse the data, and save to My Connect.
Pharmaceuticals Price Trends
Pharmaceuticals Price Trends
Average price changes, 2012-2016
Export to Image
Export to PDF
Export to Excel
Export to PowerPoint
Print
Edit the Chart
Browse the Data
Save to My Connect
150 %
100 %
50 %
0 %
-50 %
31.61 %
Brazil
All
Germany
Brazil
Japan
United Kingdom
United States
Branded (Patent-Protected)
All
Calculated from IHS Markit PharmOnline (POLI) dataset
Hover over a bar to

The calculations for Pharmaceuticals Price Trends are calculated from the IHS Markit PharmOnline (POLI) dataset.

Country Report

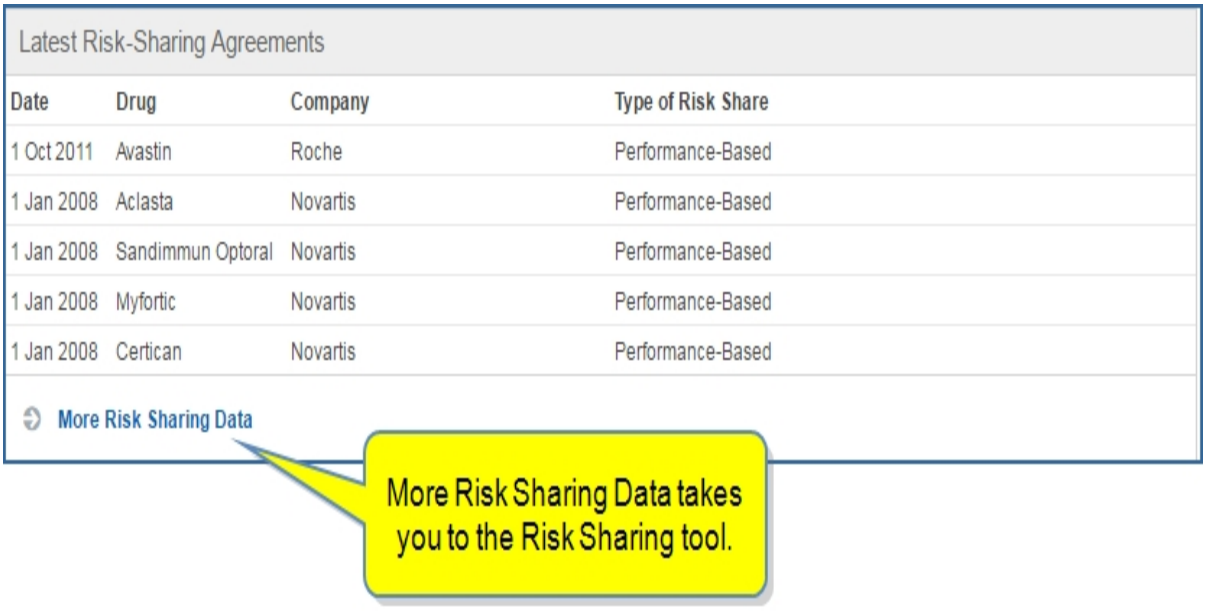
The Country Report for the selected country is displayed with summary and links to **Show Table of Contents** and the **Full Report**.



Latest Risk-Sharing Agreements

The Risk-Sharing Agreements Database covers agreements or arrangements between payers in the health systems, such as government and pharmaceutical firms. The agreements are made to encourage the development of drugs and bring them to market when they are risky to develop.

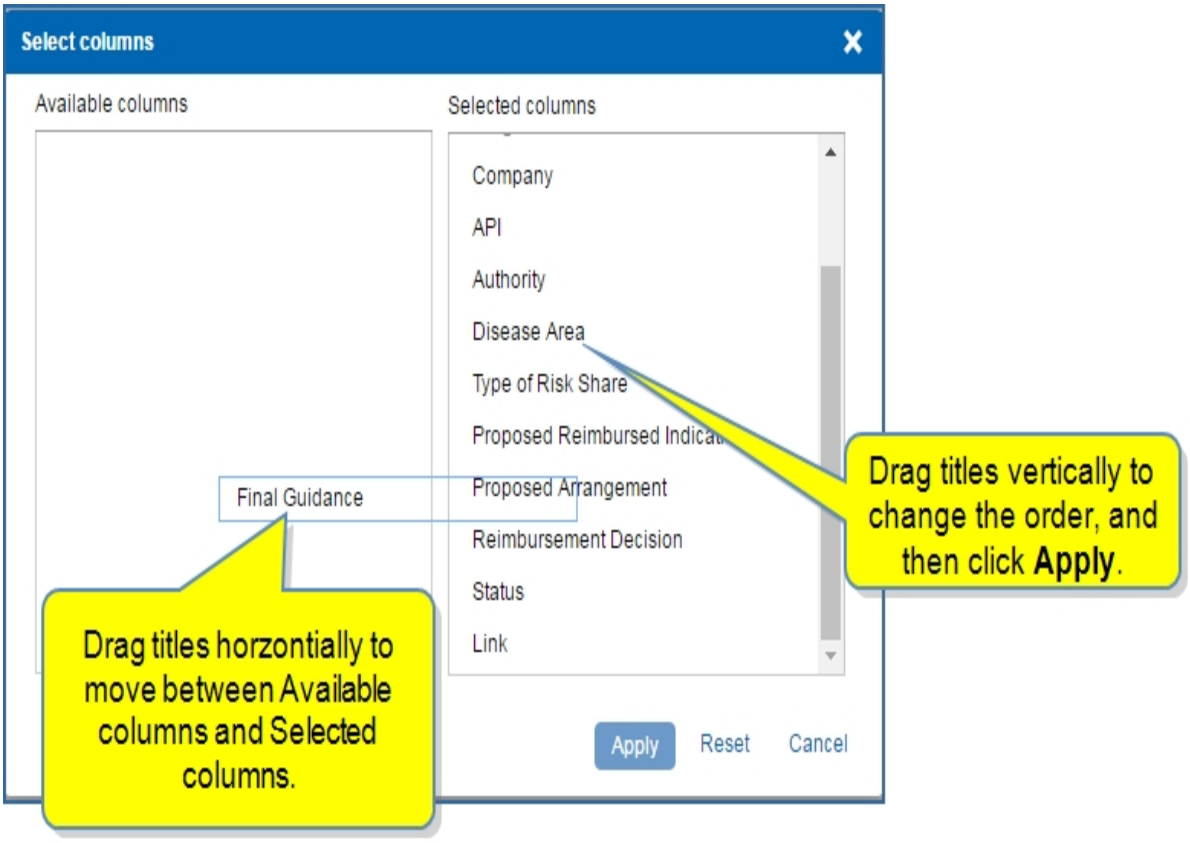
The Latest Risk-Sharing Agreements are posted on the country page for the selected country for quick review.



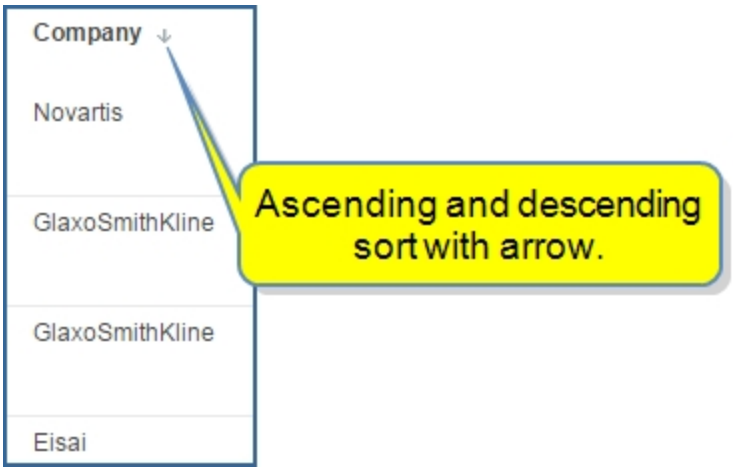
The **More Risk Sharing Data** link takes you to the full Risk-Sharing Database tool filtered for the selected country. This is a searchable tool that helps you keep track of historical and present risk-sharing arrangements, patient access schemes (PAS) and managed entry agreements (MEAs) between manufacturers of innovative medicines and payers around the world.

The tools in this database allow you to search through a large range of different types of agreements to determine Dates, Country, Drug, Company, and Type of Risk Share involved in risk-sharing agreements.

Note: You can adjust columns by selecting **Manage Columns**, and then dragging column titles to Available columns or Selected columns. You can also change the order of columns by dragging titles vertically.



Finally, you can sort results by ascending and descending order based on the column you select.



For information about creating an Advanced Search and Saved Searches, review Pricing and Reimbursement Global under Global - Latest Risk-Sharing Database.

Special Reports

Special Reports pertain to Germany and focus on items of interest in ad hoc reports.

Service Bulletins

Service Bulletins alerts you to announcements of activities. Clicking **More** takes you to the Search page for a full list of Service Bulletins.

Methodology

For available methodology, links to documents are provided.

IHS Events

IHS Events are posted in this module.

PharmOnLine International (POLI) Data

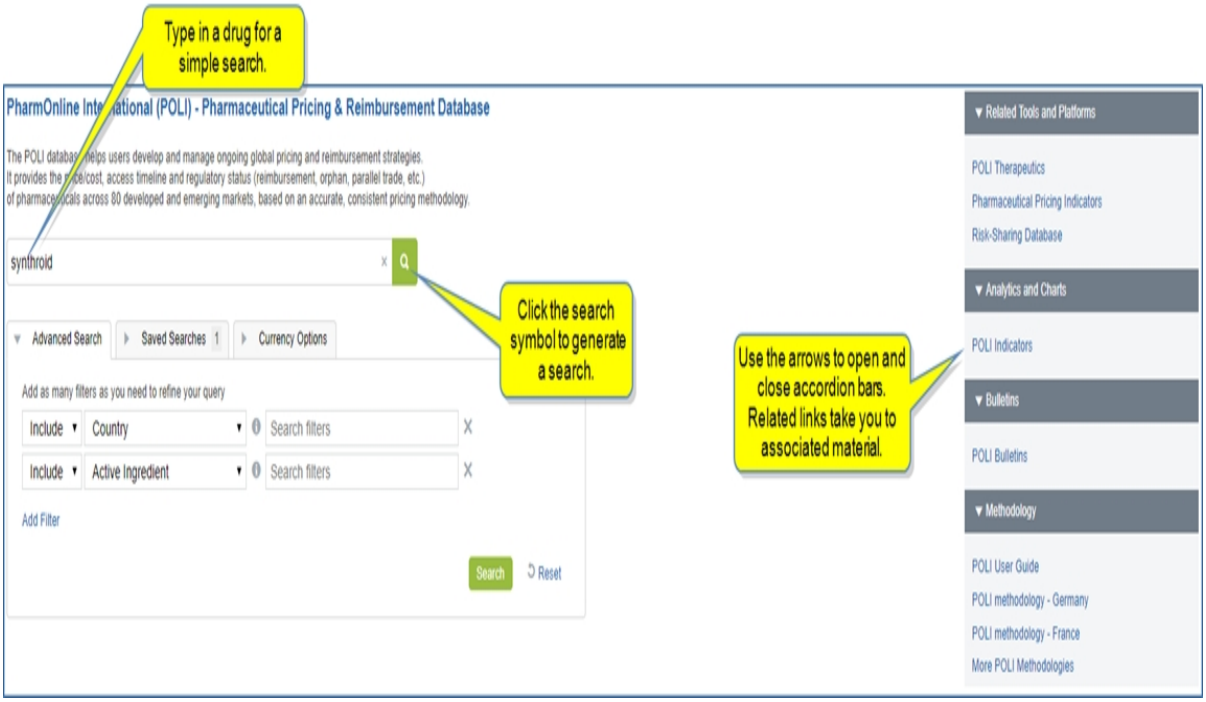
The PharmOnLine International (POLI) is a comprehensive and detailed drug database with historical pricing. Use the database to closely track trends in the markets for drug prices.

You can do a simple search for a drug or a drug and a country, or you can use **Advanced Search** to add filters for the results you want.

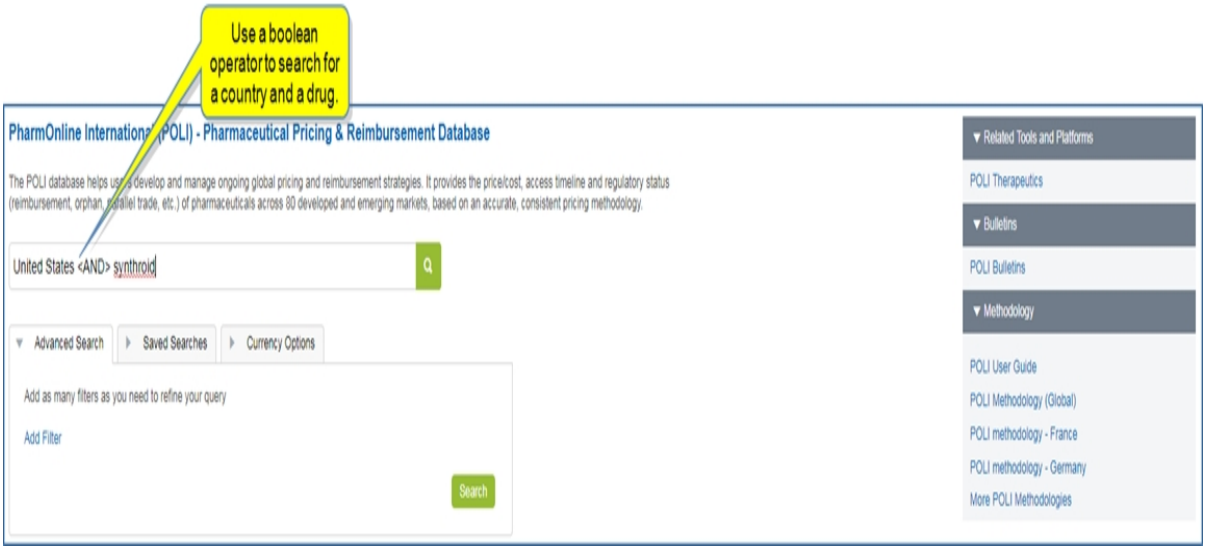
Simple Search

Use the simple search for a drug, or for a country and a drug.

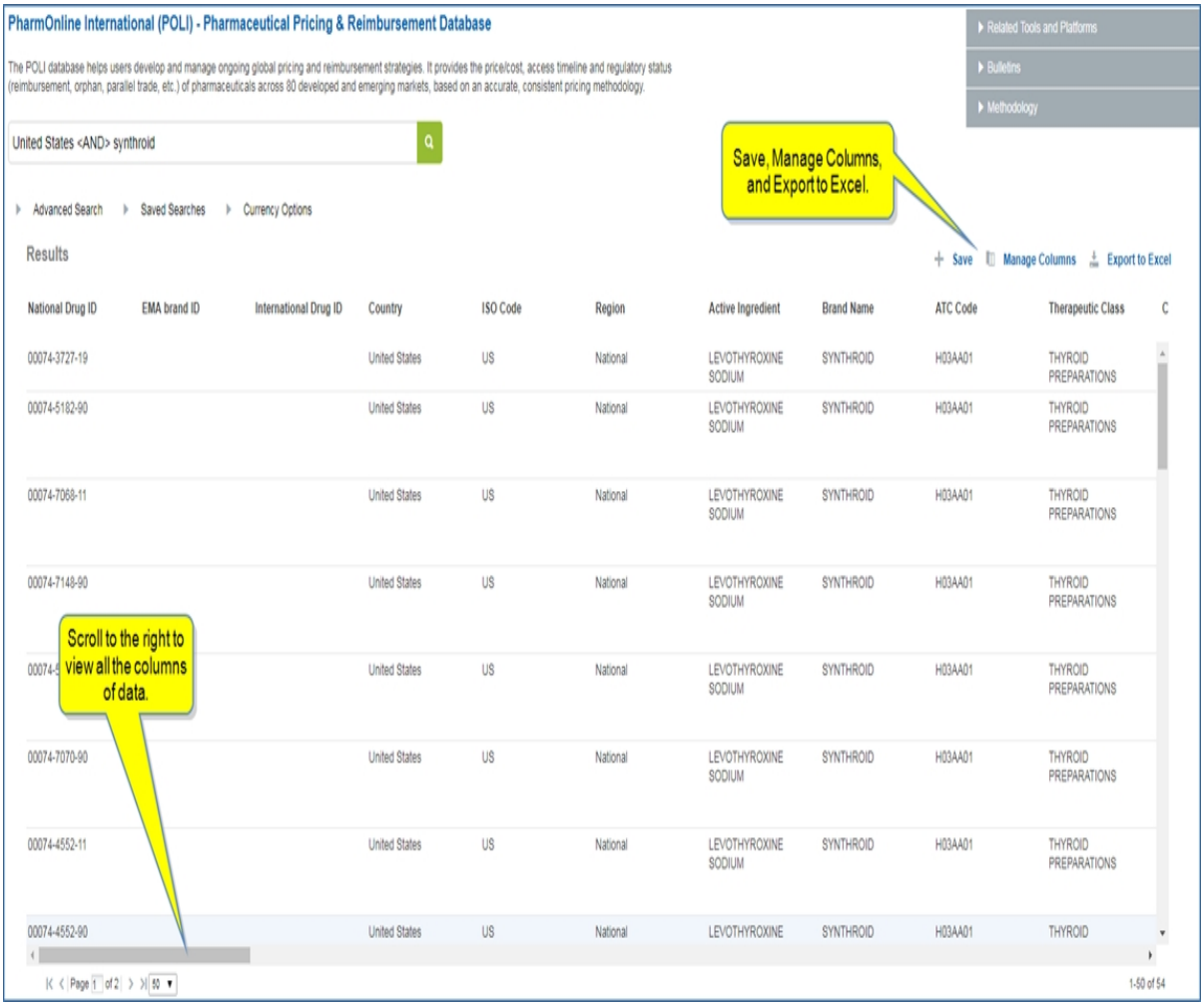
Begin typing the drug, and then select the auto response. Press **Enter** or the green box with the search icon.



Or, enter a country and a drug with a boolean operator, and then press **Enter** or the green box with the search icon.

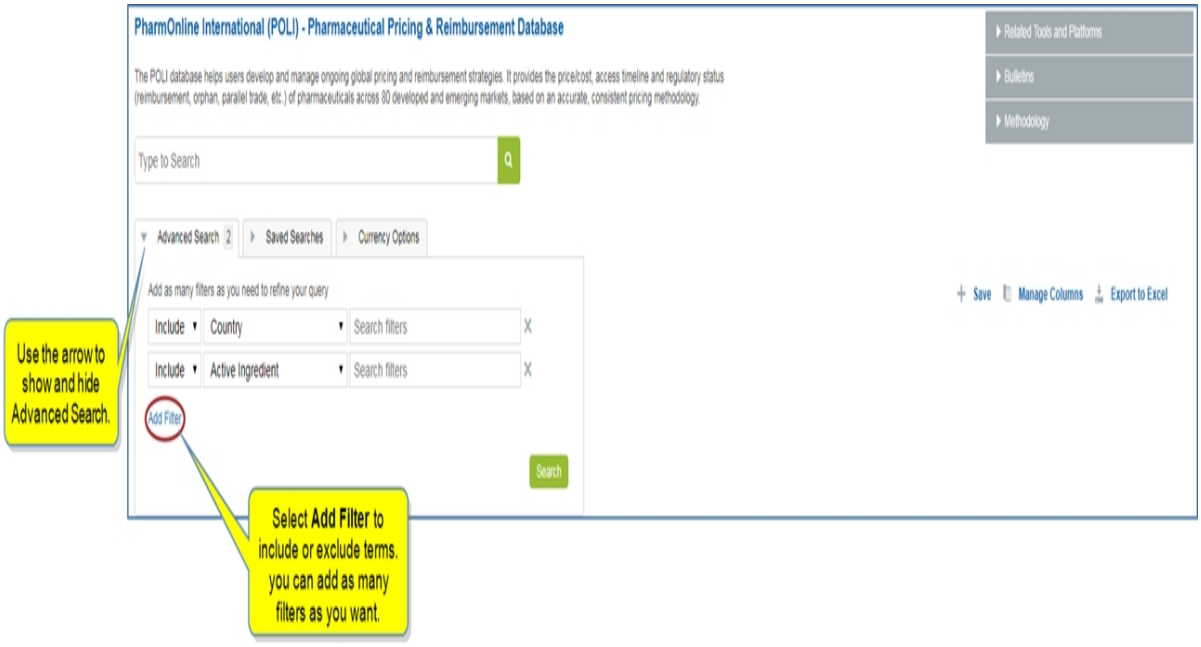


Search results are returned in a table format. Scroll to the right to view complete data. **Save**, **Manage Columns**, and **Export to Excel** icons are available for these functions.

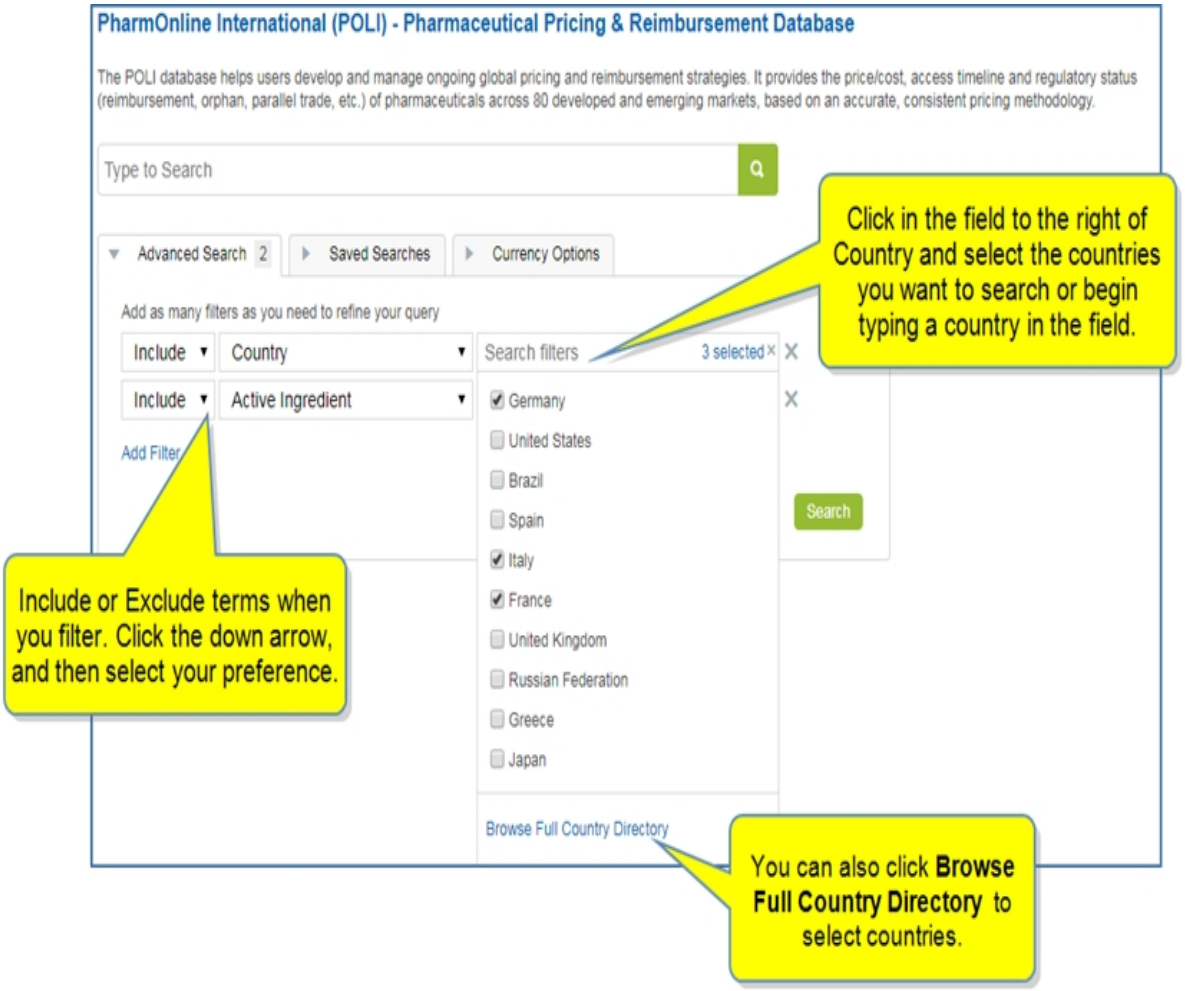


Advanced Search

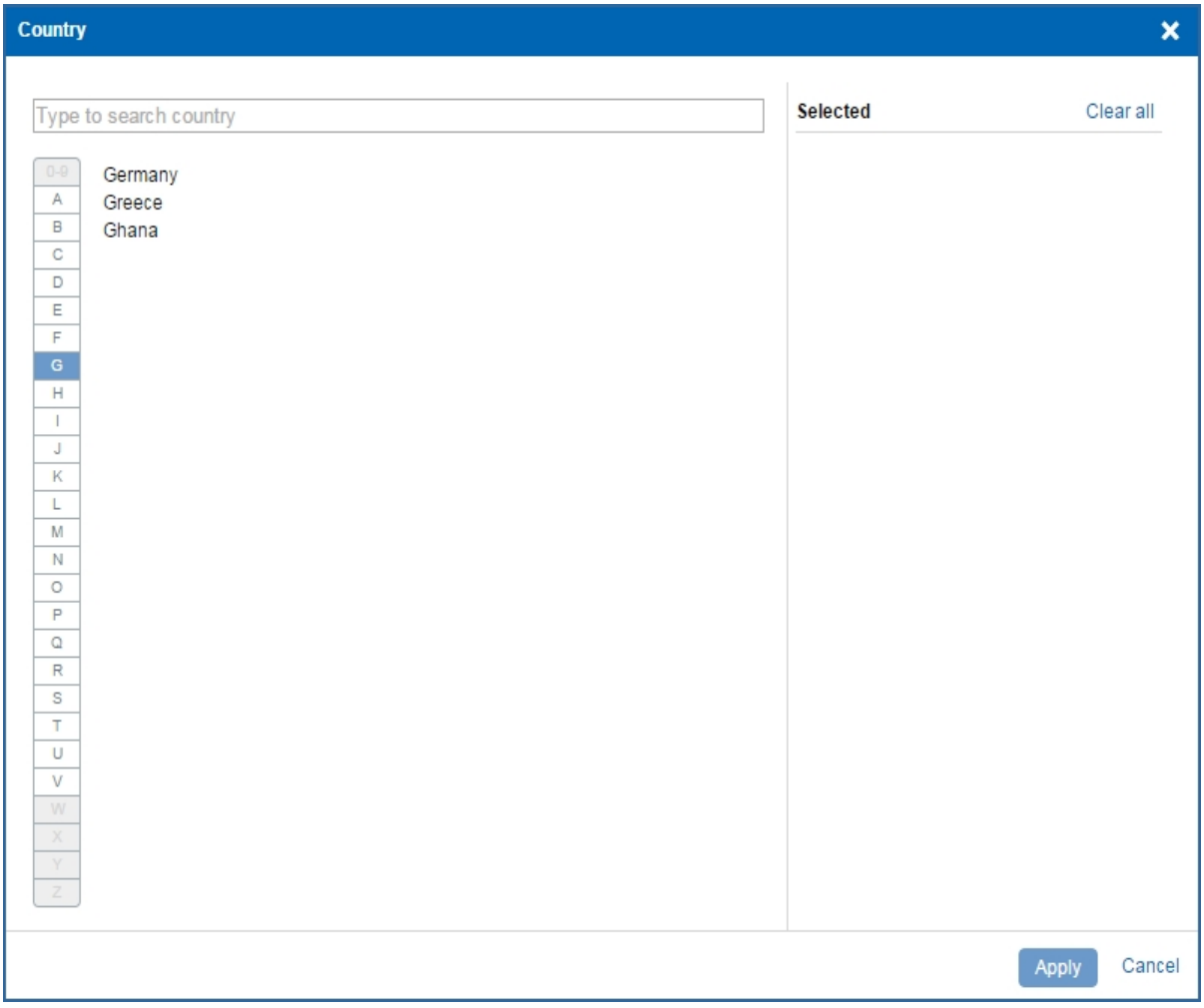
To open the **Advanced Search**, click the down arrow.

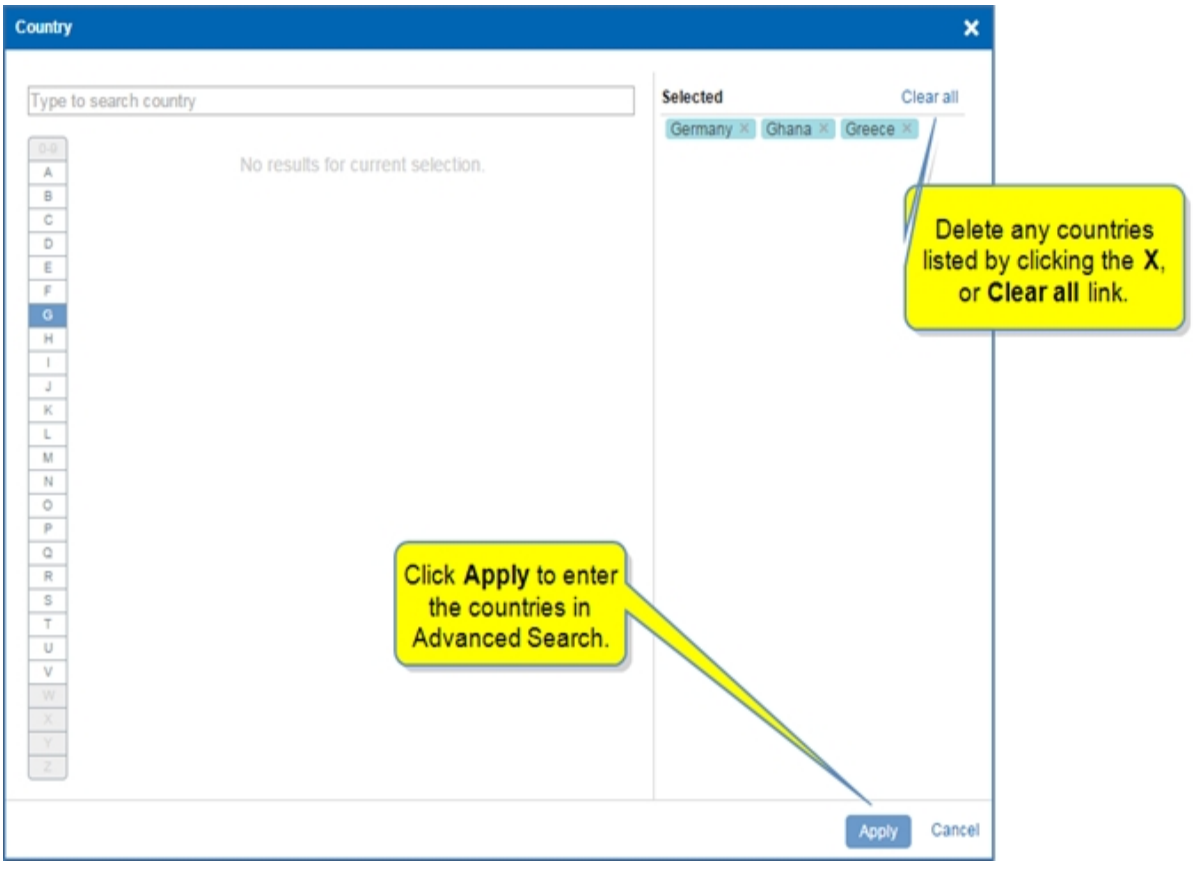


To add **Germany** to search results, click in the field to the right and select **Germany**.

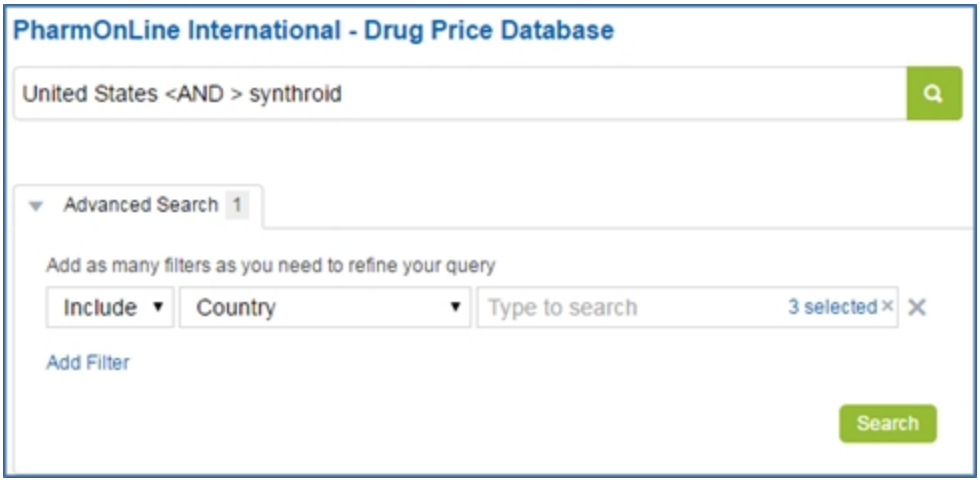


When you select **Browse Full Country Directory**, select available countries using the alphabetical list. As you select countries, they move to the **Selected** pane.

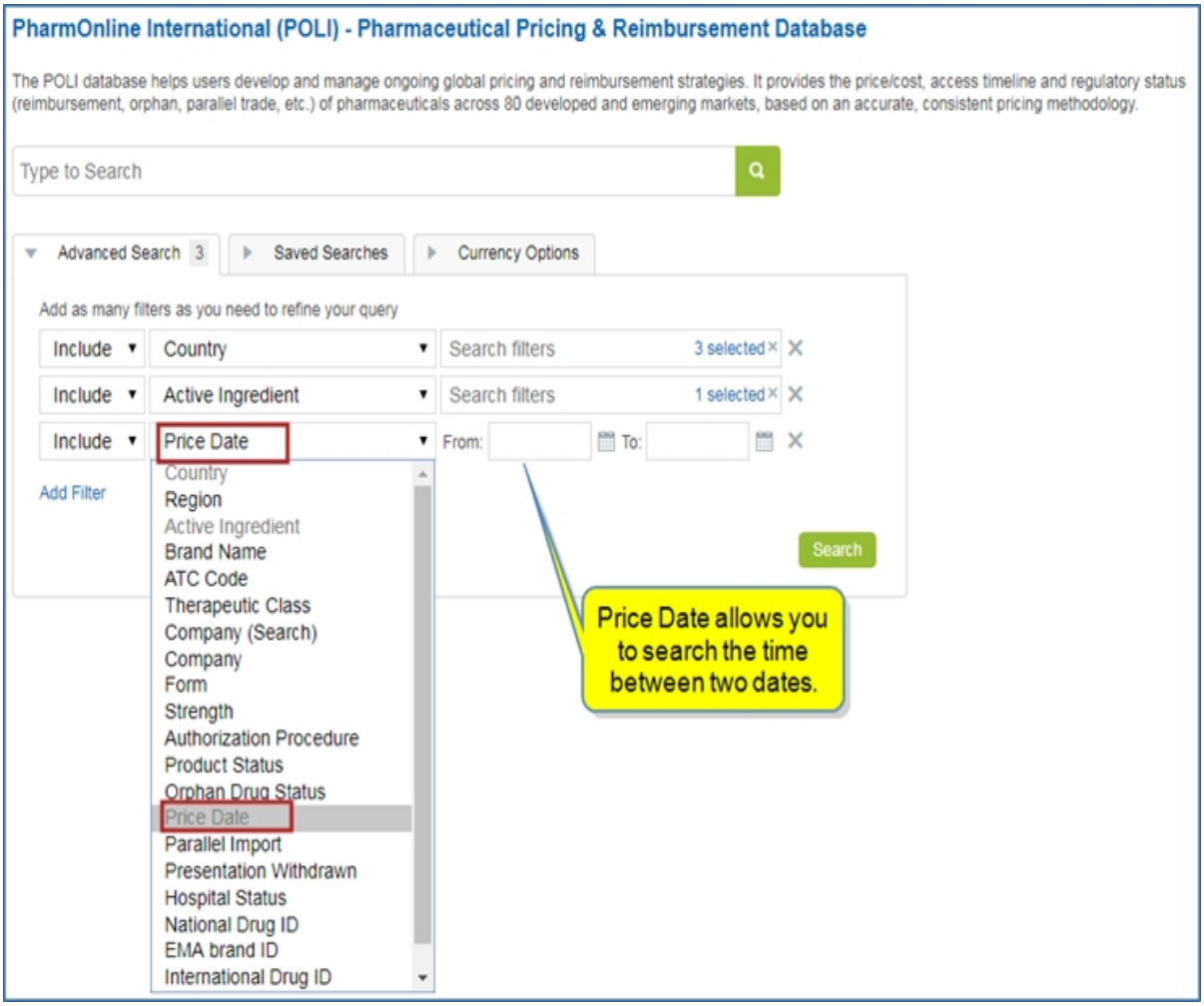

Country
Type to search country
Selected
Clear all
0-9
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z
Germany
Greece
Ghana
Apply
Cancel


Country
Type to search country
Selected
Clear all
Germany
Ghana
Greece
No results for current selection.
Delete any countries listed by clicking the X, or Clear all link.
Click Apply to enter the countries in Advanced Search.
Apply
Cancel

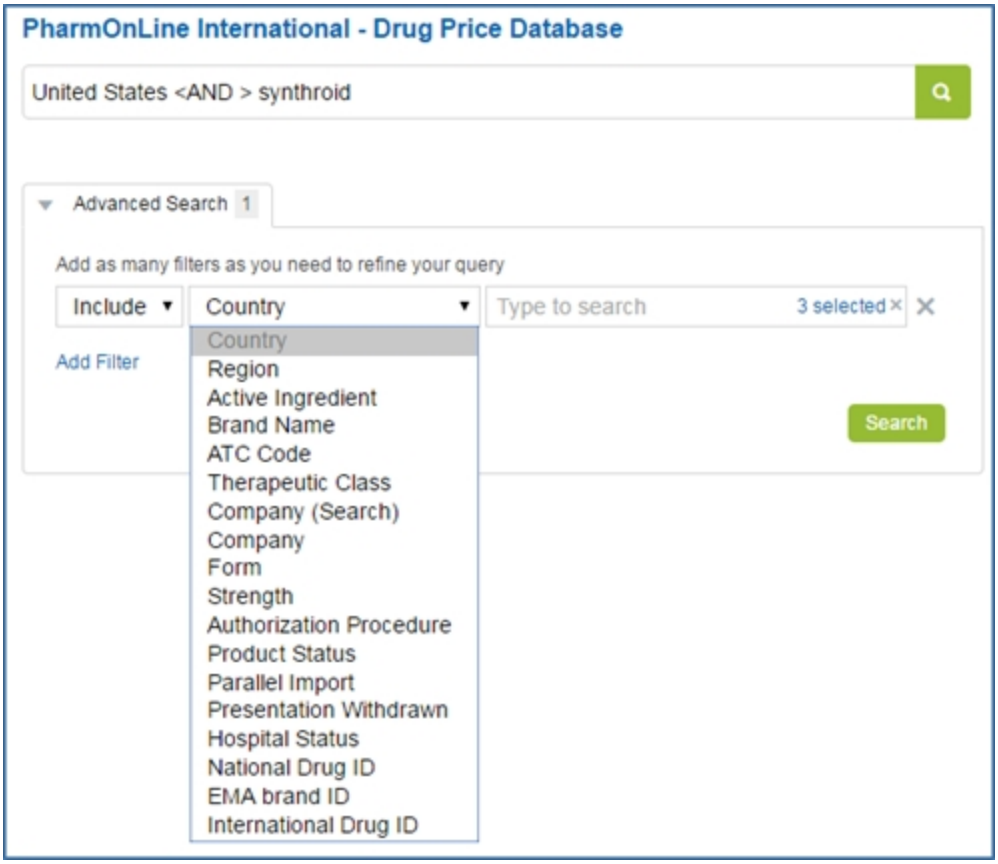
After you select **Apply**, your selections are indicated. Launch the search by clicking the **Search** button.



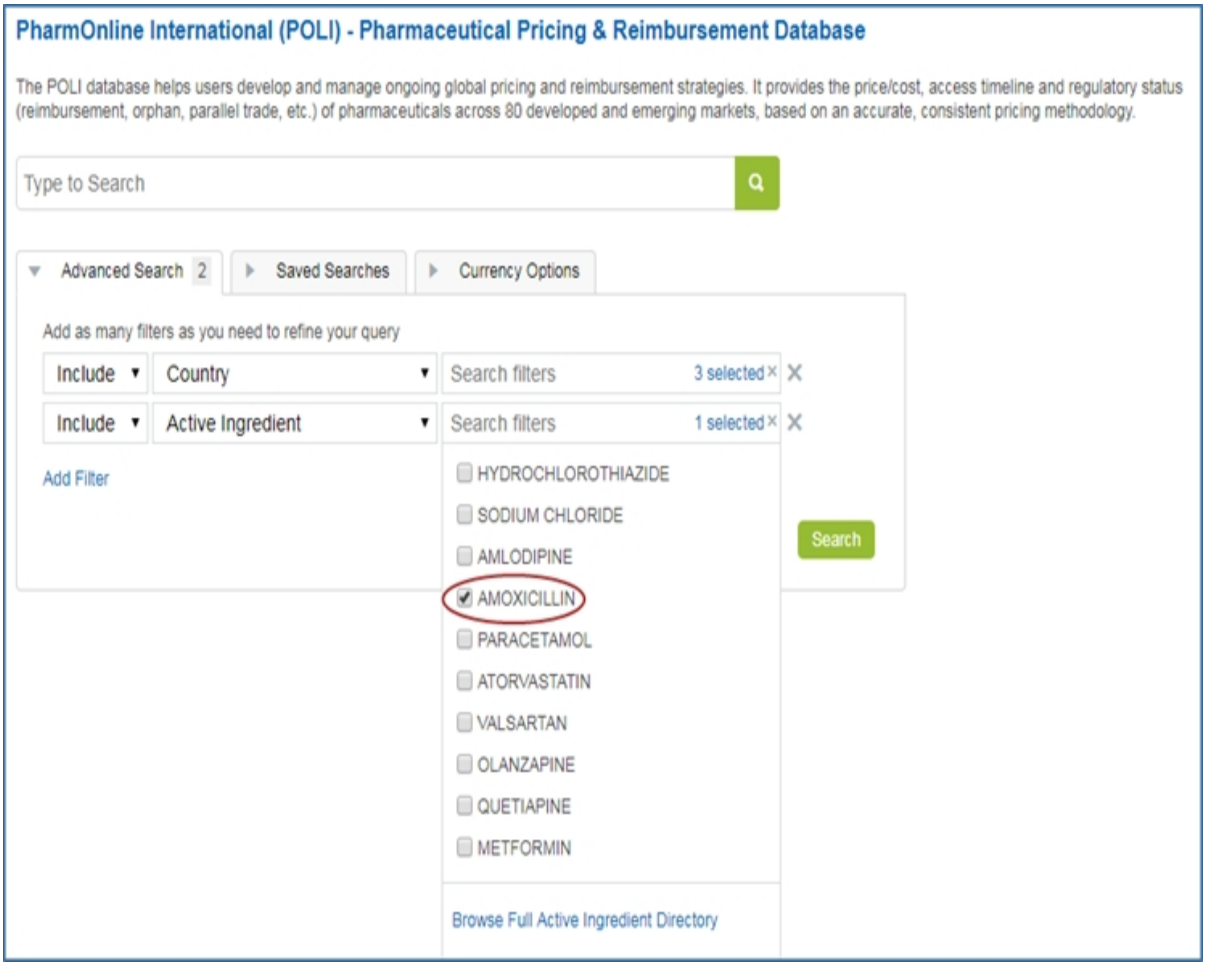
Click **Add Filter** to display an additional field. Then click the down arrow to modify the selection. In the following example, we selected **Price Date**, which allows you to search between an X and Y date. This allows you, for example, to search for every price that has changed in the last month.

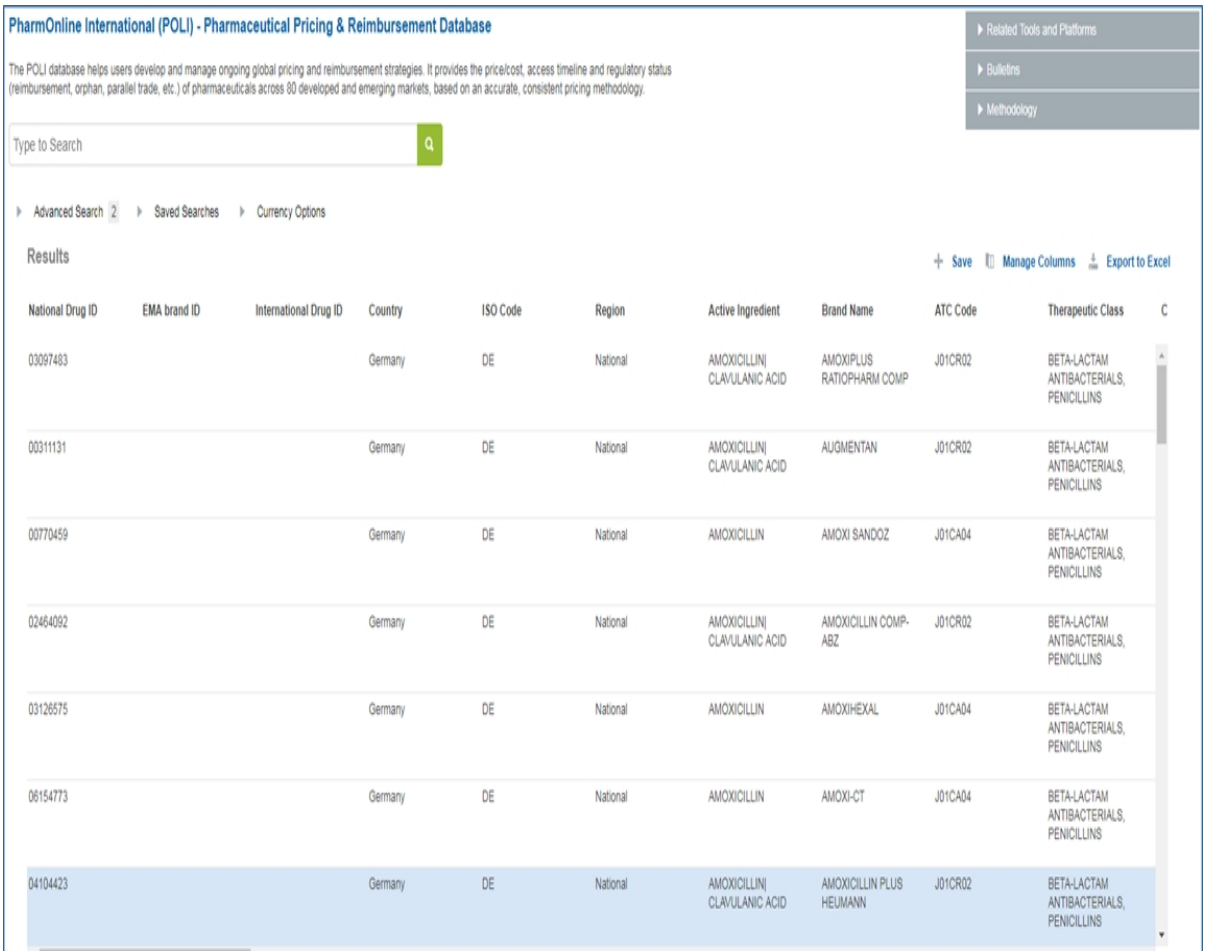


To add more filters, click **Add Filter**, and then click the down arrow and select the term. When you are satisfied with your criteria, click **Search**.



In the following example, we've added an Active Ingredient — Amoxicillin, and then generated search results.


PharmOnline International (POLI) - Pharmaceutical Pricing & Reimbursement Database
The POLI database helps users develop and manage ongoing global pricing and reimbursement strategies. It provides the price/cost, access timeline and regulatory status (reimbursement, orphan, parallel trade, etc.) of pharmaceuticals across 80 developed and emerging markets, based on an accurate, consistent pricing methodology.
Type to Search
Advanced Search 2
Saved Searches
Currency Options
Add as many filters as you need to refine your query
Include
Country
Search filters
3 selected
Include
Active Ingredient
Search filters
1 selected
Add Filter
HYDROCHLOROTHIAZIDE
SODIUM CHLORIDE
AMLODIPINE
AMOXICILLIN
PARACETAMOL
ATORVASTATIN
VALSARTAN
OLANZAPINE
QUETIAPINE
METFORMIN
Search
Browse Full Active Ingredient Directory

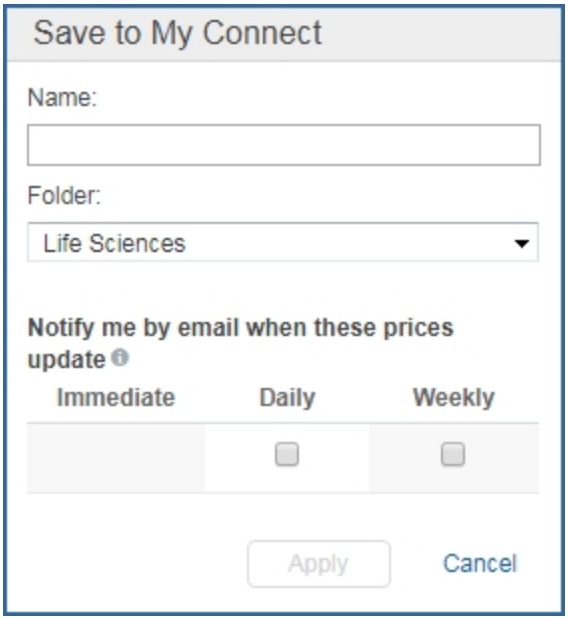

PharmOnline International (POLI) - Pharmaceutical Pricing & Reimbursement Database
Related Tools and Platforms
Bulletins
Methodology
Type to Search
Advanced Search 2
Saved Searches
Currency Options
Results
Save
Manage Columns
Export to Excel
National Drug ID
EMA brand ID
International Drug ID
Country
ISO Code
Region
Active Ingredient
Brand Name
ATC Code
Therapeutic Class
03097483 Germany DE National AMOXICILLIN| CLAVULANIC ACID AMOXIPLUS RATIOPHARM COMP J01CR02 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
00311131 Germany DE National AMOXICILLIN| CLAVULANIC ACID AUGMENTAN J01CR02 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
00770459 Germany DE National AMOXICILLIN AMOXI SANDOZ J01CA04 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
02464092 Germany DE National AMOXICILLIN| CLAVULANIC ACID AMOXICILLIN COMP-ABZ J01CR02 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
03126575 Germany DE National AMOXICILLIN AMOXIHEXAL J01CA04 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
06154773 Germany DE National AMOXICILLIN AMOXI-CT J01CA04 BETA-LACTAM ANTIBACTERIALS, PENICILLINS
04104423 Germany DE National AMOXICILLIN| CLAVULANIC ACID AMOXICILLIN PLUS HEUMANN J01CR02 BETA-LACTAM ANTIBACTERIALS, PENICILLINS

When you scroll to the right, the search results in this example include price calculation indicators.

Saved Searches

To save a search and results, select the plus icon or **Save**.

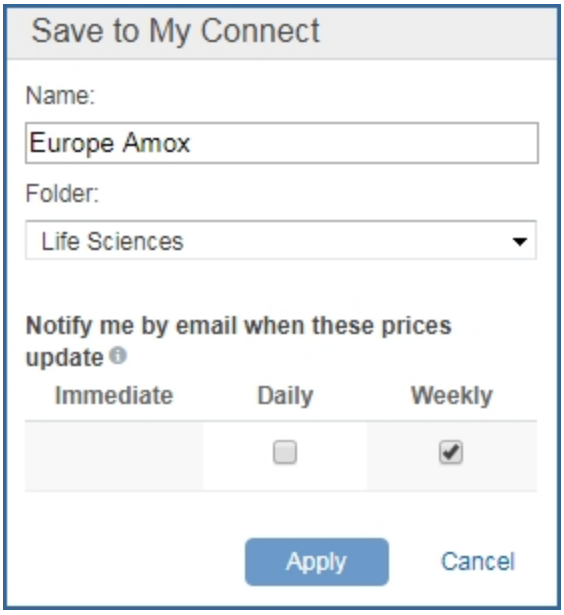
The ***Save to My Connect*** dialog box is displayed.



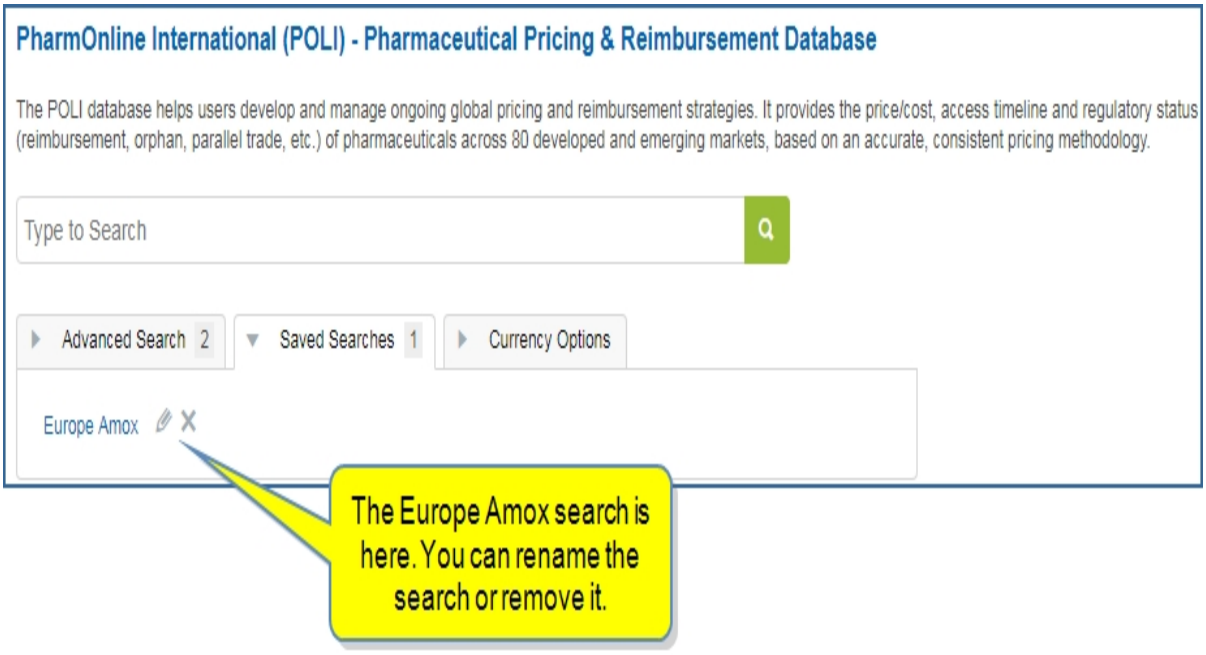
Enter a name, select a folder from the drop down and an email notification preference—Daily or Weekly. Then click **Apply**.

To create a new folder, enter a new folder name at the bottom of the drop down.

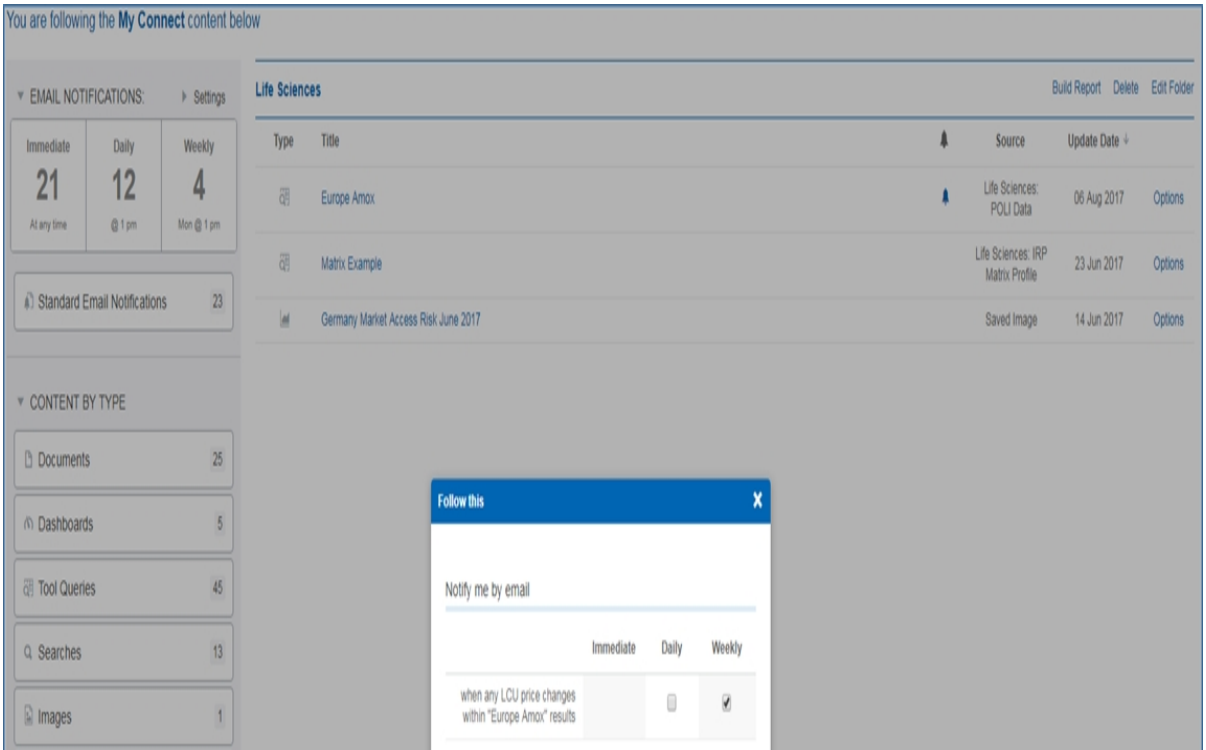
This example shows Europe Amox is saved in the Life Sciences folder and is marked with a weekly email alert.



The Saved Search appears under **Saved Searches** on the PharmOnline International (POLI) - Pharmaceutical Pricing & Reimbursement Database page and in the **Life Sciences** folder on **My Connect**.

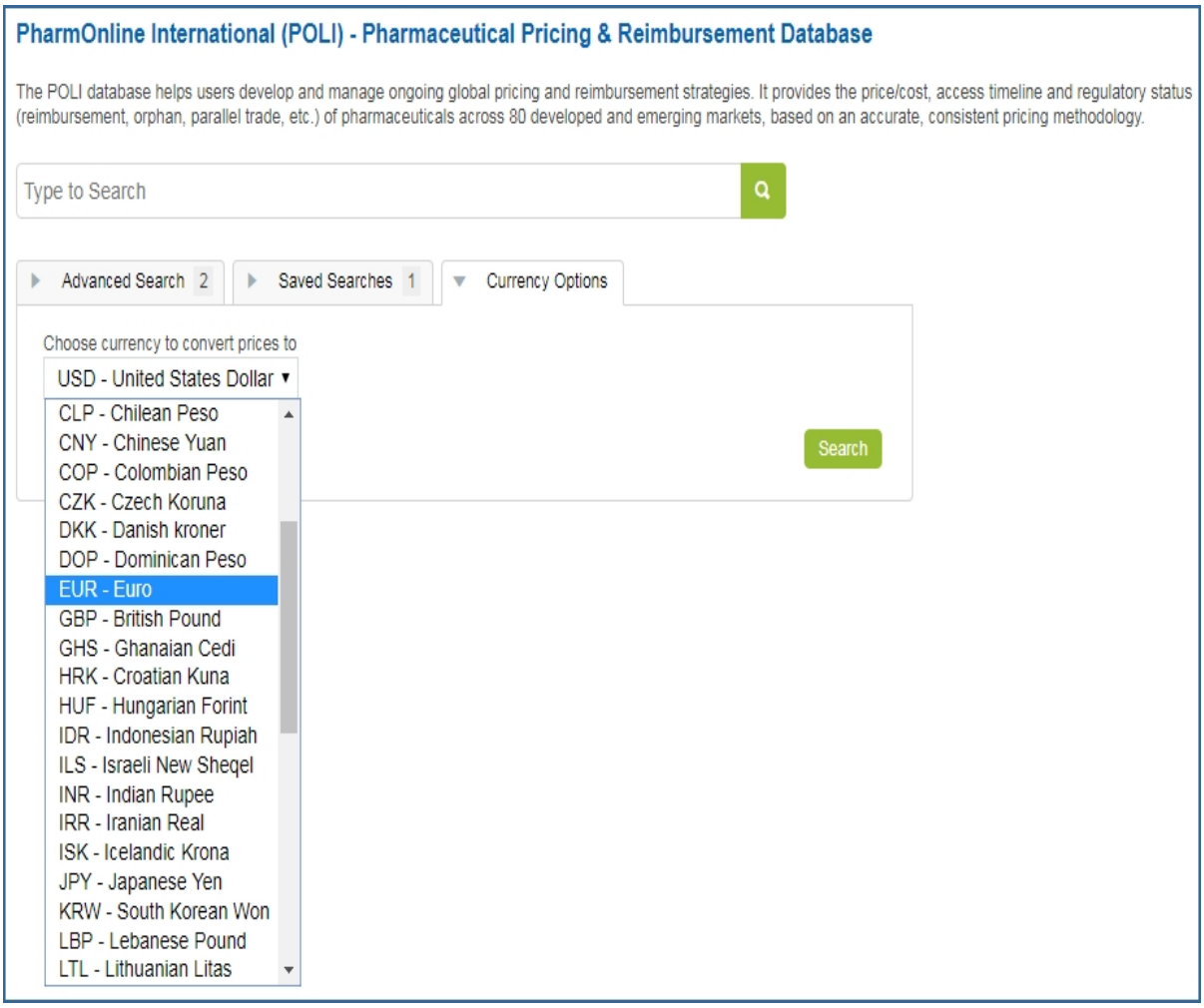

PharmOnline International (POLI) - Pharmaceutical Pricing & Reimbursement Database
The POLI database helps users develop and manage ongoing global pricing and reimbursement strategies. It provides the price/cost, access timeline and regulatory status (reimbursement, orphan, parallel trade, etc.) of pharmaceuticals across 80 developed and emerging markets, based on an accurate, consistent pricing methodology.
Type to Search
Advanced Search 2
Saved Searches 1
Currency Options
Europe Amox
The Europe Amox search is here. You can rename the search or remove it.

You are following the My Connect content below
EMAIL NOTIFICATIONS:
Settings
Immediate
21
At any time
Daily
12
@ 1 pm
Weekly
4
Mon @ 1 pm
Standard Email Notifications
23
Life Sciences
Build Report
Delete
Edit Folder
Type
Title
Source
Update Date
Europe Amox
Life Sciences: POLI Data
06 Aug 2017
Options
Matrix Example
Life Sciences: IRP Matrix Profile
23 Jun 2017
Options
Germany Market Access Risk June 2
Saved Image
14 Jun 2017
Options
Europe Amox is here.
The blue bell indicates an email alert is set.


You are following the My Connect content below
EMAIL NOTIFICATIONS:
Settings
Immediate
21
At any time
Daily
12
@ 1 pm
Weekly
4
Mon @ 1 pm
Standard Email Notifications
23
CONTENT BY TYPE
Documents
25
Dashboards
5
Tool Queries
45
Searches
13
Images
1
Life Sciences
Build Report
Delete
Edit Folder
Type
Title
Source
Update Date
Europe Amox
Life Sciences: POLI Data
06 Aug 2017
Options
Matrix Example
Life Sciences: IRP Matrix Profile
23 Jun 2017
Options
Germany Market Access Risk June 2017
Saved Image
14 Jun 2017
Options
Follow this
Notify me by email
Immediate
Daily
Weekly
when any LCU price changes within "Europe Amox" results

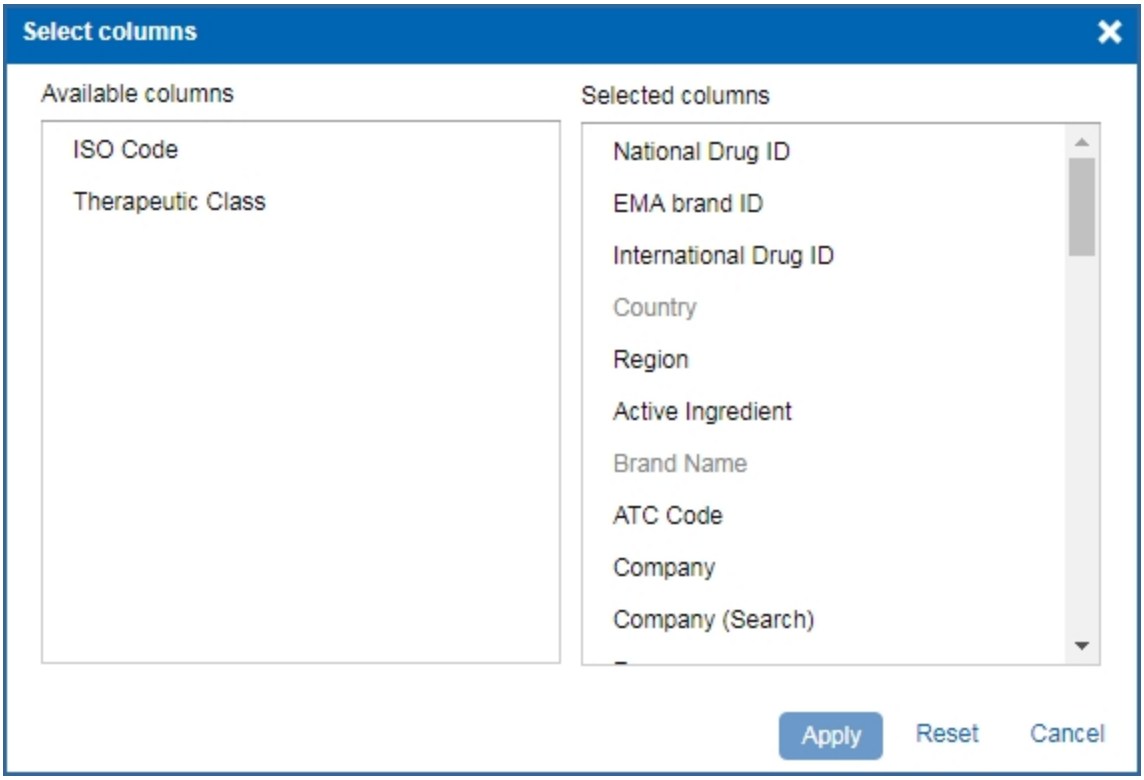
Currency Options

Open Currency Options and choose a currency from the drop-down list.



Manage Columns

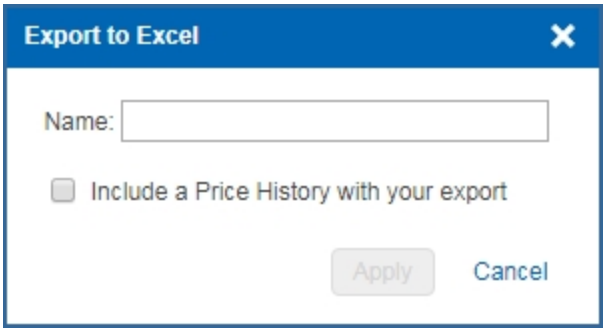
Select **Manage Columns** to open the ***Select columns*** dialog where you can customize the columns you want to show in search results. Drag and drop column titles between Available columns and Selected columns, and then click **Apply**.



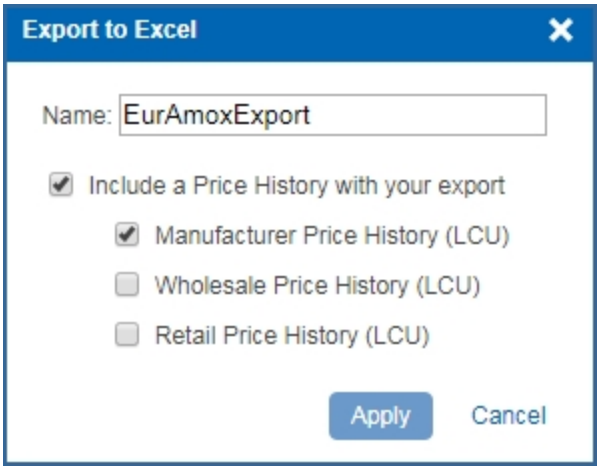
Export to Excel

Use to create a spreadsheet with the search results.

When you click **Export to Excel** the dialog box is displayed. Enter a name.

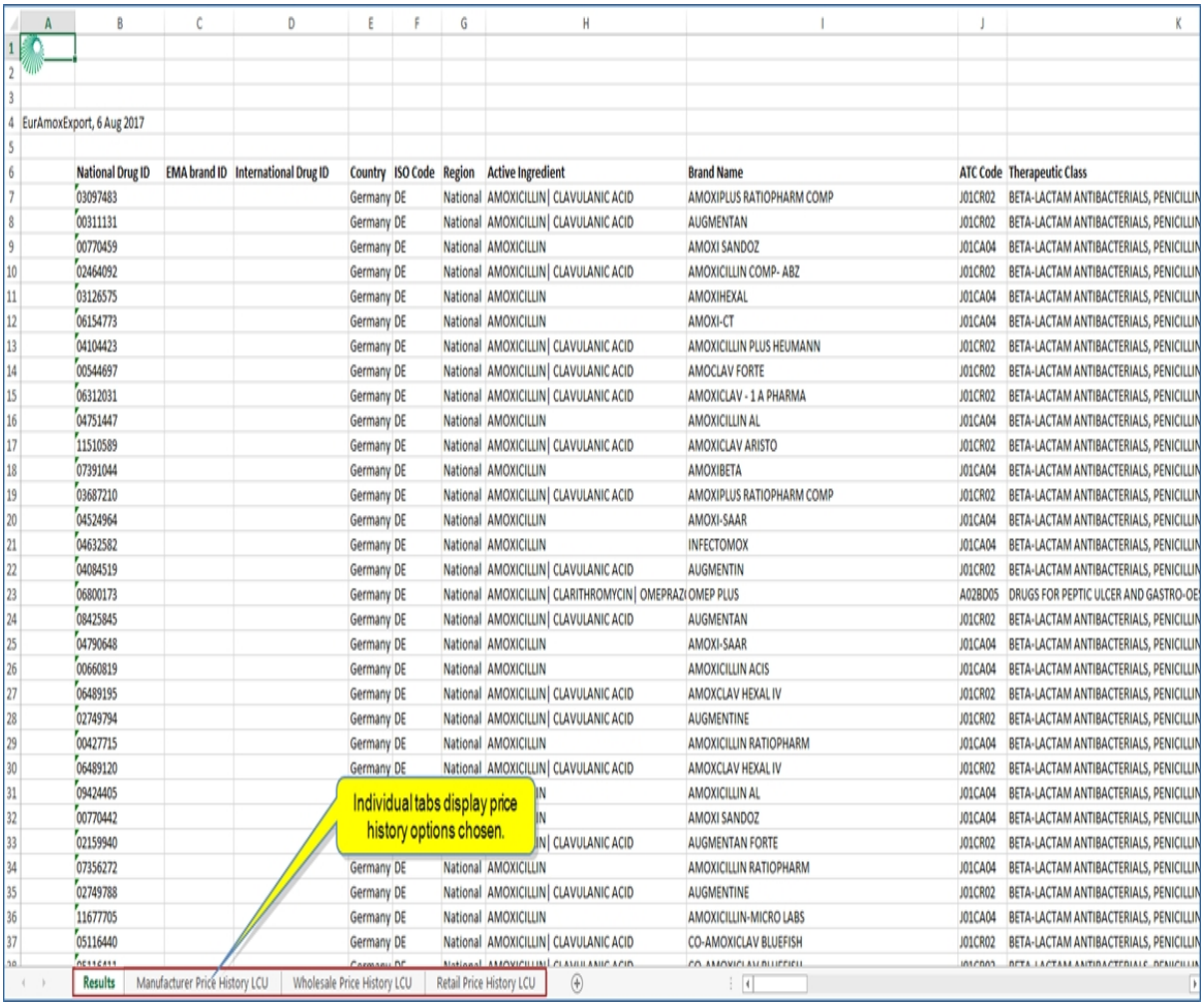


You have the option of selecting **Include a Price History** with our export. When you check the box, the following options are displayed.



Make your selections, and then click **Apply**. The download appears in the lower, left corner of the page.

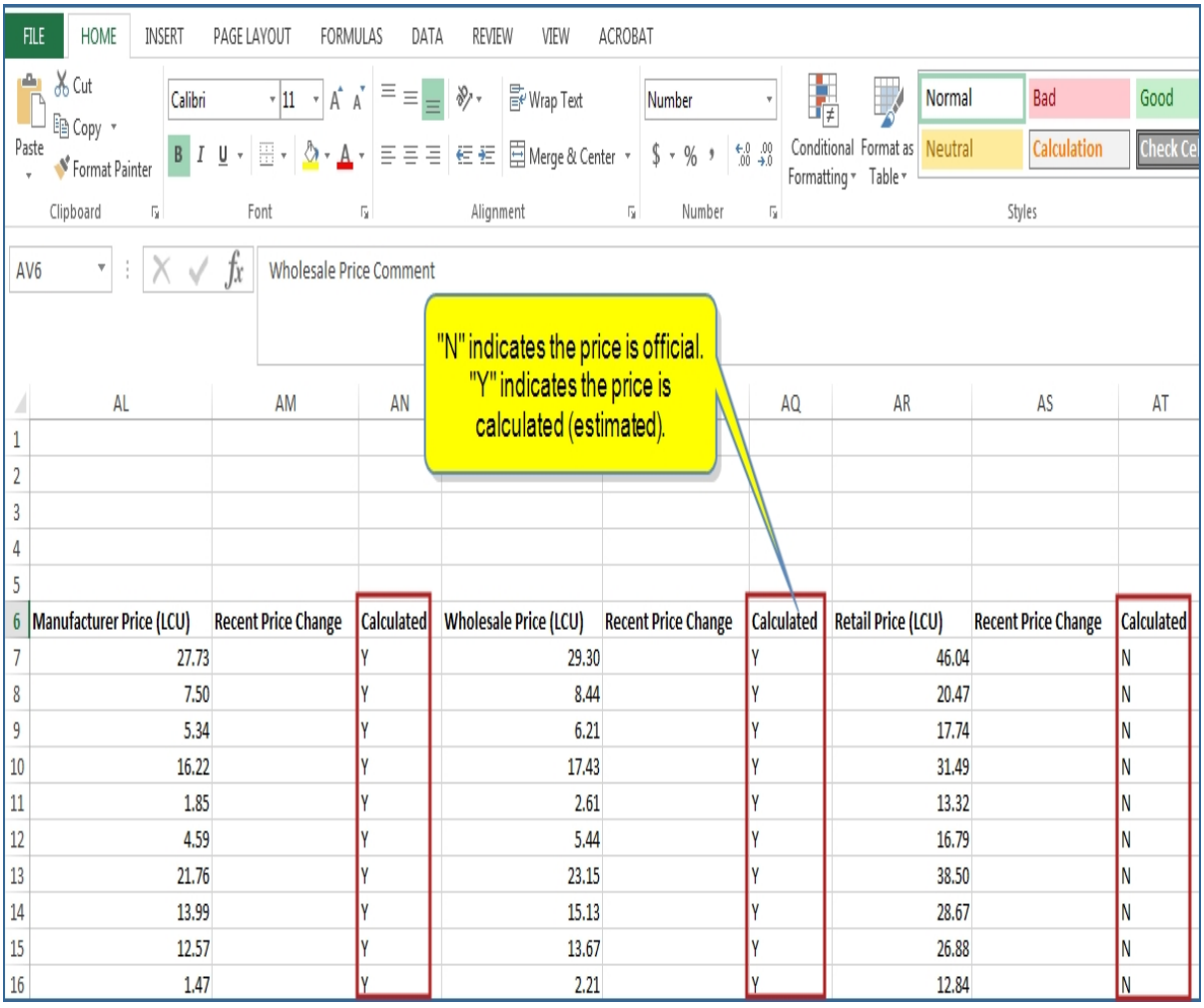
When you open the downloaded spreadsheet, separate tabs for Results, Manufacturer Price History LCU, Wholesale Price History LCU, and Retail Price History LCU are displayed, reflecting the history options chosen.



EurAmoxExport, 6 Aug 2017

National Drug ID	EMA brand ID	International Drug ID	Country	ISO Code	Region	Active Ingredient	Brand Name	ATC Code	Therapeutic Class
03097483			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXIPLUS RATIOPHARM COMP	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00311131			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AUGMENTAN	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00770459			Germany	DE	National	AMOXICILLIN	AMOXI SANDOZ	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
02464092			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXICILLIN COMP- ABZ	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
03126575			Germany	DE	National	AMOXICILLIN	AMOXIHEXAL	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
06154773			Germany	DE	National	AMOXICILLIN	AMOXI-CT	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04104423			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXICILLIN PLUS HEUMANN	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00544697			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOCLAV FORTE	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
06312031			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXICLAV - 1 A PHARMA	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04751447			Germany	DE	National	AMOXICILLIN	AMOXICILLIN AL	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
11510589			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXICLAV ARISTO	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
07391044			Germany	DE	National	AMOXICILLIN	AMOXIBETA	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
03687210			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXIPLUS RATIOPHARM COMP	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04524964			Germany	DE	National	AMOXICILLIN	AMOXI-SAAR	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04632582			Germany	DE	National	AMOXICILLIN	INFECTOMOX	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04084519			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AUGMENTIN	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
06800173			Germany	DE	National	AMOXICILLIN| CLARITHROMYCIN| OMEPRAZ	OMEP PLUS	A02BD05	DRUGS FOR PEPTIC ULCER AND GASTRO-OE
08425845			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AUGMENTAN	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
04790648			Germany	DE	National	AMOXICILLIN	AMOXI-SAAR	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00660819			Germany	DE	National	AMOXICILLIN	AMOXICILLIN ACIS	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
06489195			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXCLAV HEXAL IV	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
02749794			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AUGMENTINE	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00427715			Germany	DE	National	AMOXICILLIN	AMOXICILLIN RATIOPHARM	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
06489120			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AMOXCLAV HEXAL IV	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
09424405							AMOXICILLIN AL	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
00770442							AMOXI SANDOZ	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
02159940							AUGMENTAN FORTE	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
07356272			Germany	DE	National	AMOXICILLIN	AMOXICILLIN RATIOPHARM	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
02749788			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	AUGMENTINE	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
11677705			Germany	DE	National	AMOXICILLIN	AMOXICILLIN-MICRO LABS	J01CA04	BETA-LACTAM ANTIBACTERIALS, PENICILLIN
05116440			Germany	DE	National	AMOXICILLIN| CLAVULANIC ACID	CO-AMOXICLAV BLUEFISH	J01CR02	BETA-LACTAM ANTIBACTERIALS, PENICILLIN

Official prices are indicated by an "N" in the calculated column while calculated prices are affirmed with a "Y" in the calculated column.

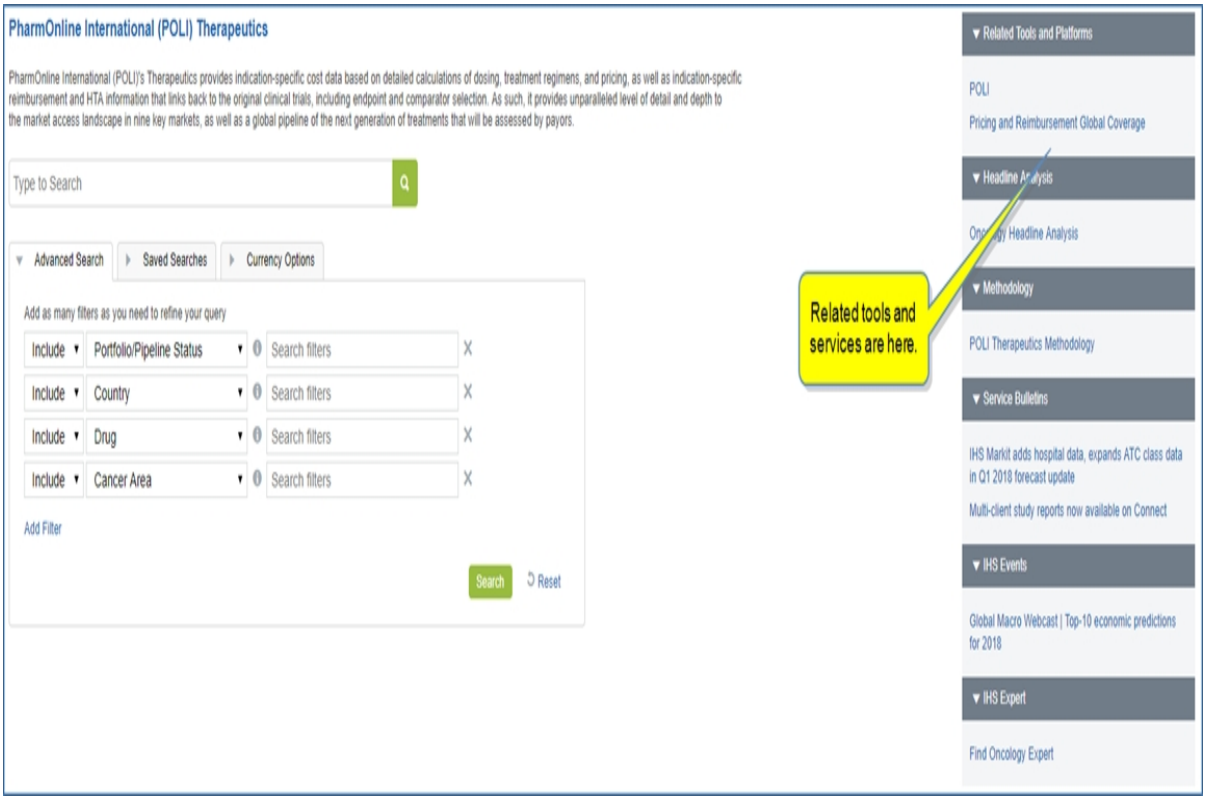


Manufacturer Price (LCU)	Recent Price Change	Calculated	Wholesale Price (LCU)	Recent Price Change	Calculated	Retail Price (LCU)	Recent Price Change	Calculated
27.73		Y	29.30		Y	46.04		N
7.50		Y	8.44		Y	20.47		N
5.34		Y	6.21		Y	17.74		N
16.22		Y	17.43		Y	31.49		N
1.85		Y	2.61		Y	13.32		N
4.59		Y	5.44		Y	16.79		N
21.76		Y	23.15		Y	38.50		N
13.99		Y	15.13		Y	28.67		N
12.57		Y	13.67		Y	26.88		N
1.47		Y	2.21		Y	12.84		N

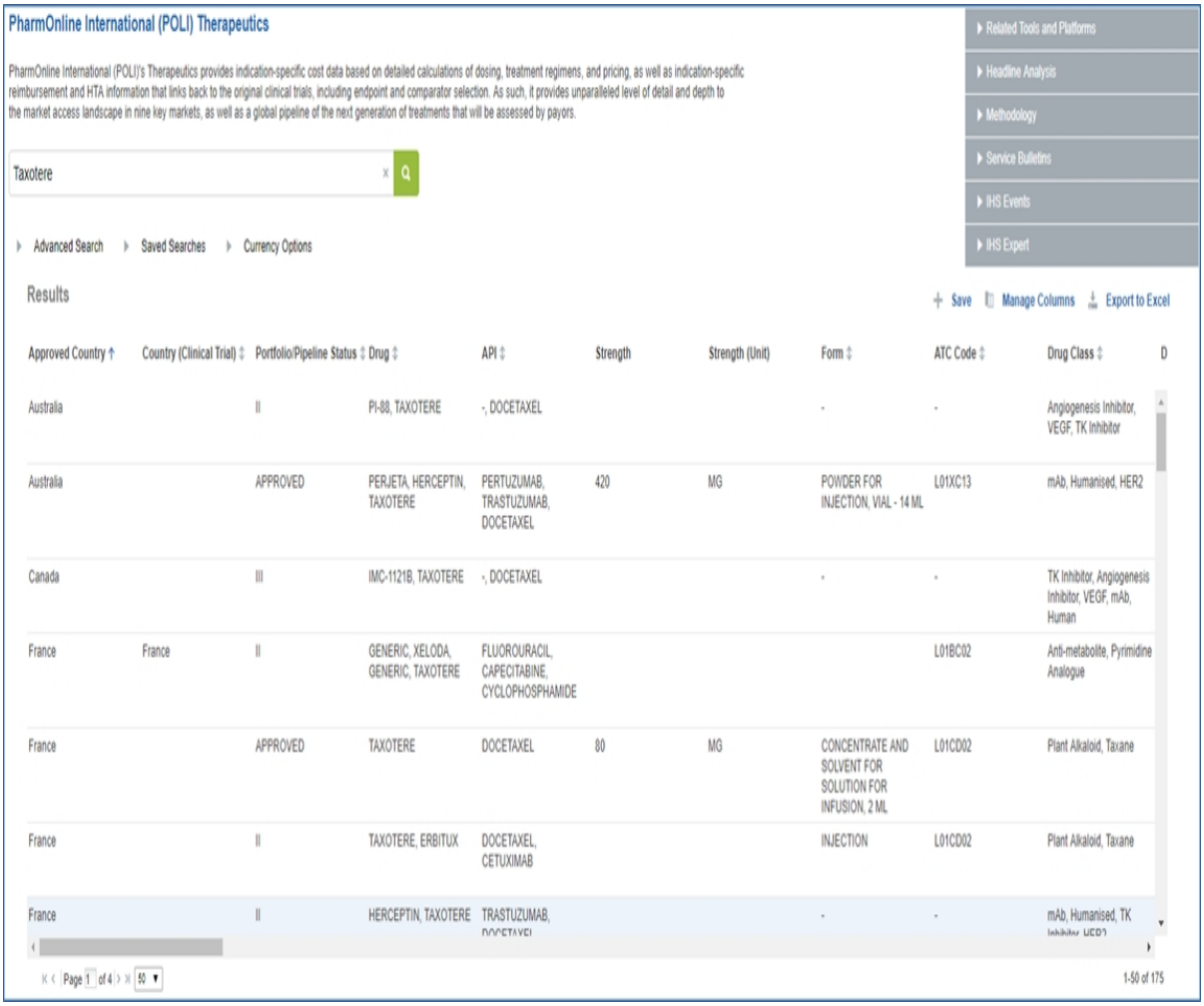
PharmOnline International (POLI) - Therapeutics

PharmOnlineInternational (POLI) - Therapeutic tool provides indication-specific cost data based on detailed calculations of dosing, treatment regimens, and pricing, as well as indication-specific reimbursement and HTA information that links back to the original clinical trials, including endpoint and comparator selection. This is an additional part of the POLI database that gives in depth detail about treatment over a period of time including cost of the drug, multiple of doses, and individual presentations. This works out the cost of the drug for a treatment such as oncology treatment for breast cancer.

Tools in the right pane include accordion bars for Related Tools and Platforms, Headline Analysis, Methodology, Service Bulletins, IHS Events, and IHS Expert. Appropriate links are available under each bar.



The following example shows results of an Advanced Search for the drug Taxotere used in a breast cancer treatment. Scrolling to the right displays more columns of information.



Refer to the PharmOnline International (POLI) - Therapeutics section for instructions about searching in the database.

IRP Matrix

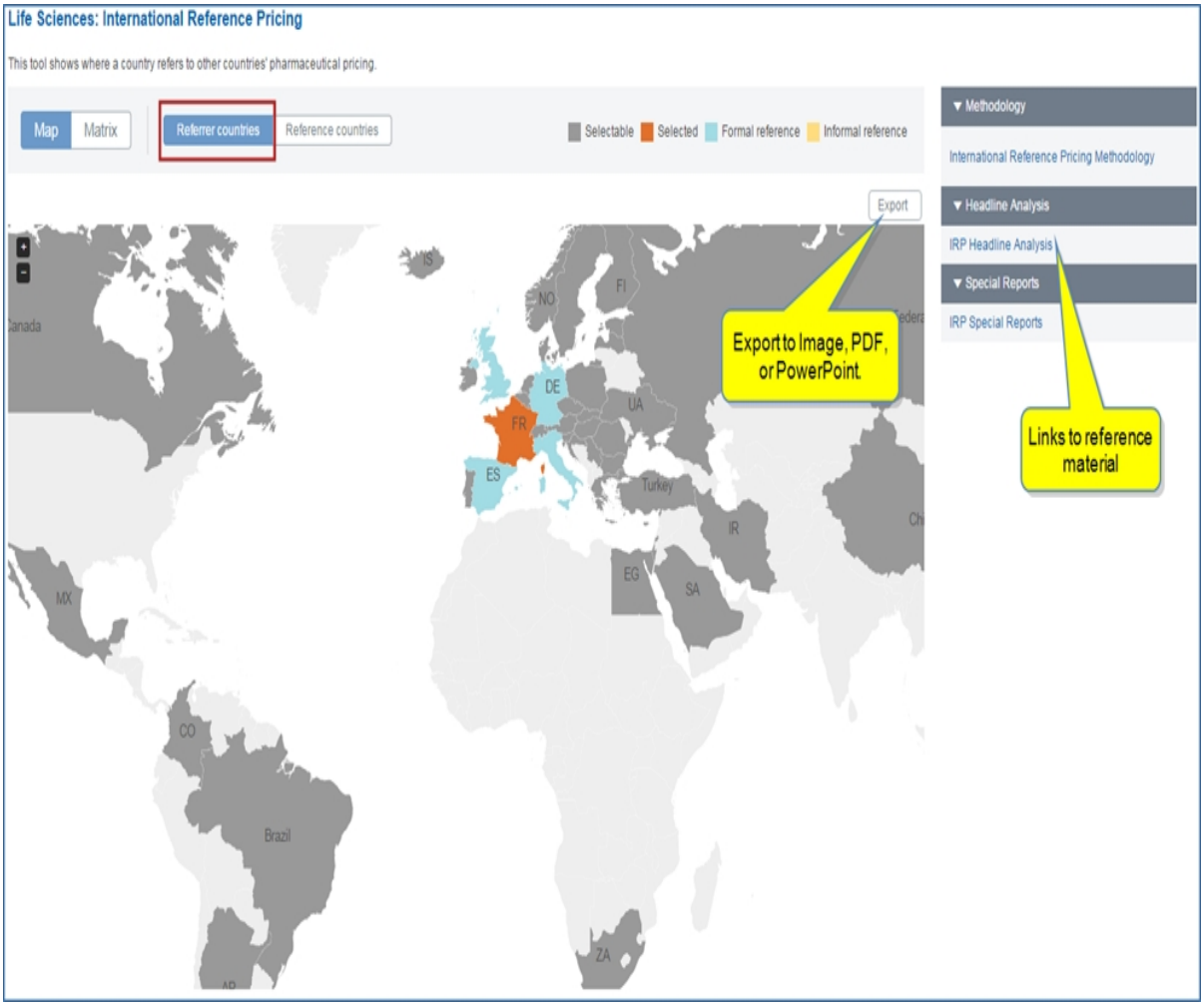
The International Reference Pricing (IRP) matrix contains a Map and a Matrix to assist you in determining which countries rely on each other for drug pricing.

Use this tool to search and compare international reference pricing (IRP) policies across multiple countries. The tool allows you to select a referrer country, for example, France, to view the countries France looks to for pricing of a drug. As countries decide on prices or the average of prices, drug manufacturers analyze consequences and the effect on markets. The IRP Matrix tool helps drug companies decide which markets are best to enter first for the maximum impact on other markets.

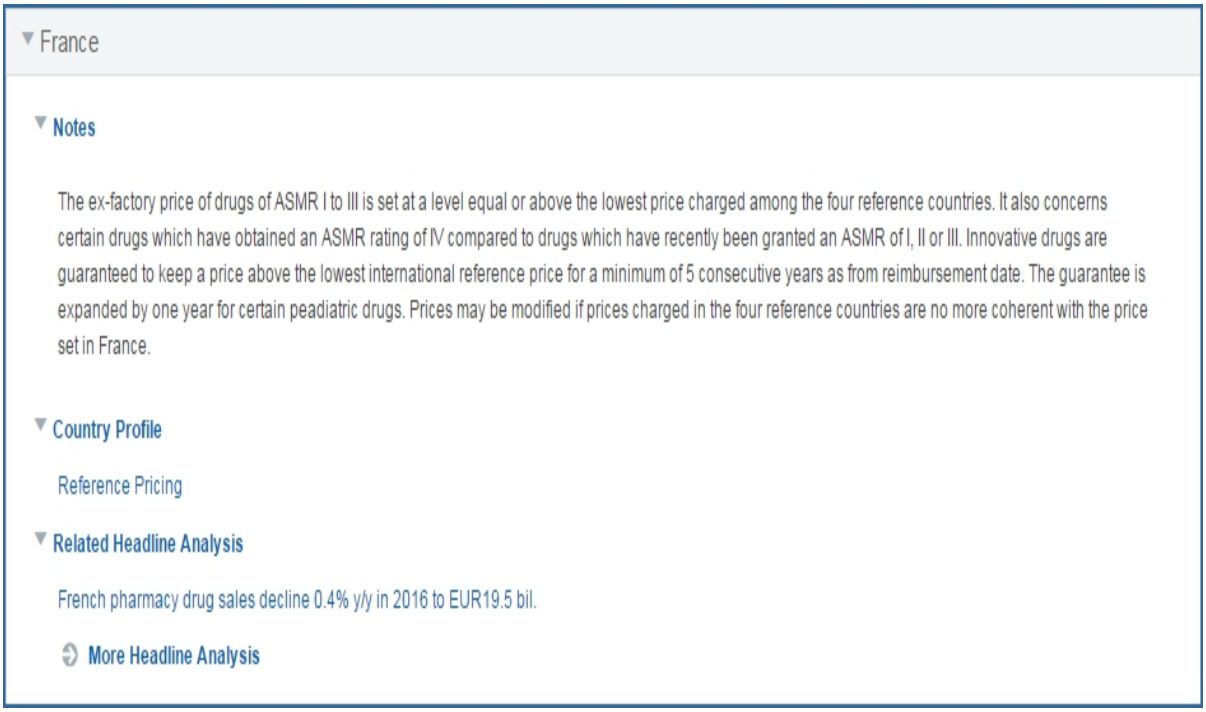
In reverse, you can select a country, again, France, to see what countries are looking to France for pricing guidelines. In each case, the Selected country is in orange. The other countries are either blue, indicating a Formal reference, or yellow, indicating an Informal reference. Formal pricing arrangements are publicly known.

Map

When the Map is set for the Referrer countries, the selected country is orange. In the following example, France is the selected country. The blue countries around France are the countries France looks to for drug pricing (United Kingdom, Germany, Italy, and Spain).



Notes for Referrer countries are displayed below the Map. In this example, Country Profile / Reference Pricing and Related Headline Analysis with More Headline Analysis are linked to related information.



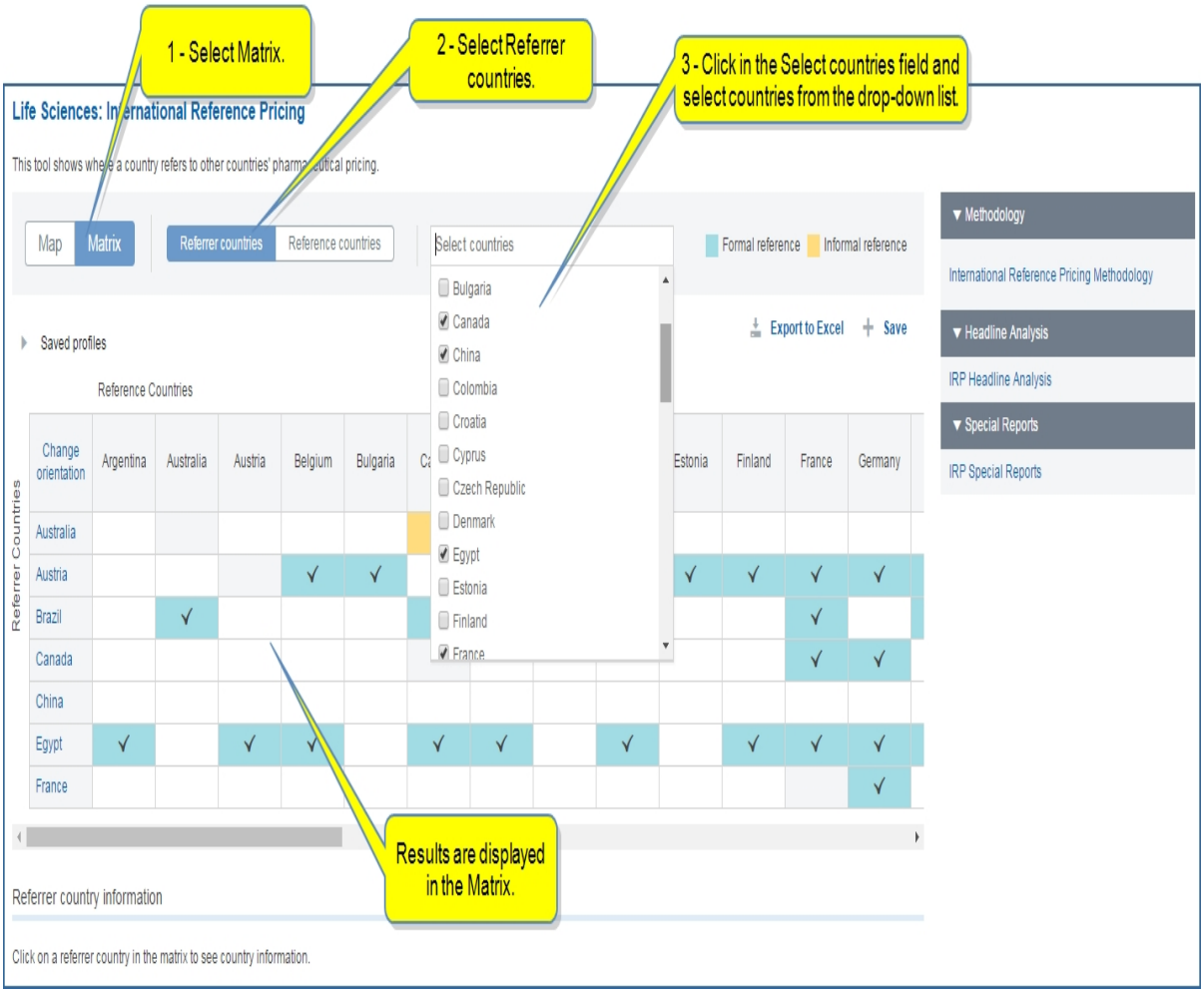
When the Map is set for the Reference countries, the selected country (France) is orange, and the countries looking to France for drug pricing are in blue (Formal reference) and yellow (Informal reference).

You can export the Map to Image, PDF, or PowerPoint. Reference material for Methodology, Headline Analysis, and Special Reports is displayed in the right pane.

Matrix

The Matrix tool allows you to build a table that shows the relationship of Referrer Countries to Reference Countries based on your selections. This tool allows you to view as many countries as you want to select.

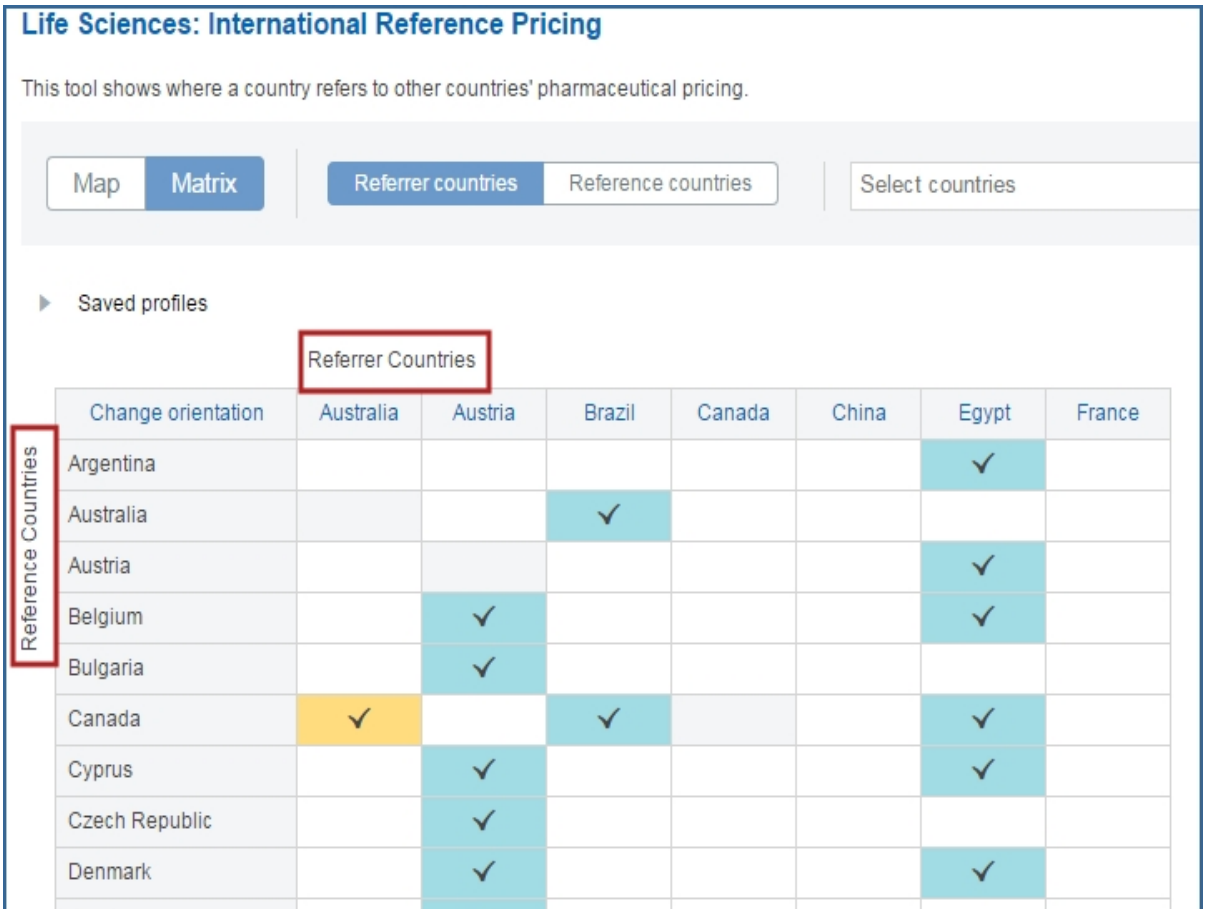
To build a Matrix, choose Referrer countries or Reference countries, and select countries from the drop-down list. The results are displayed in the Matrix.



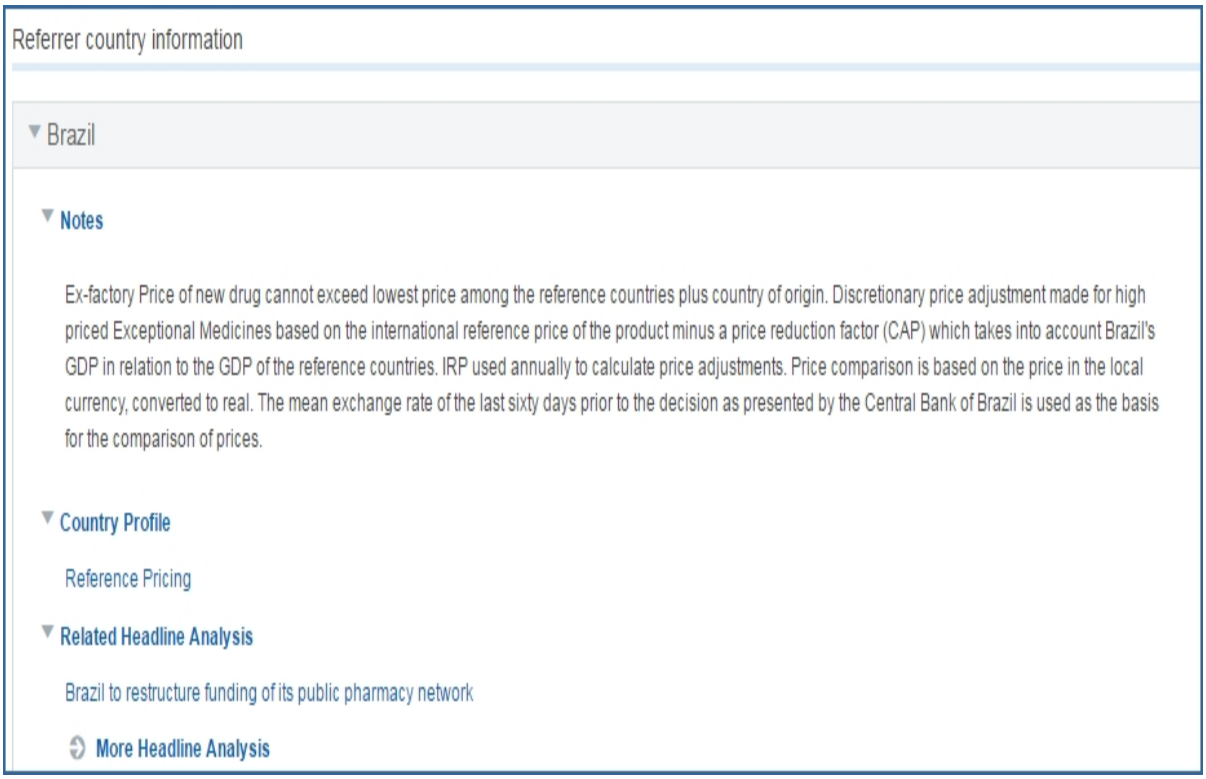
The results show, for example, that Australia has an Informal reference to Canada. Canada has a Formal reference to France and Germany. Scroll to the right to view all entries.

Note that you can change orientation to view Referrer Countries horizontally and Reference Countries vertically.

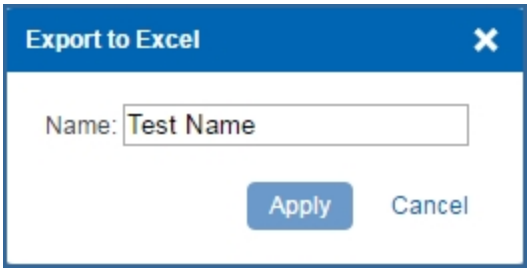
Life Sciences: International Reference Pricing
This tool shows where a country refers to other countries' pharmaceutical pricing.
Map
Matrix
Referrer countries
Reference countries
Select countries
Export to Excel
Save
Saved profiles
Reference Countries
Referrer Countries
Change orientation
Argentina
Australia
Austria
Belgium
Bulgaria
Canada
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
China
Egypt
Referrer country information
Click on a referrer country in the matrix to see country information.
Methodology
International Reference Pricing Methodology
Headline Analysis
IRP Headline Analysis
Special Reports
IRP Special Reports
Click in this field to de-select or select countries.
Export to Excel.
Save a Matrix as a profile.
Click Change orientation to view Referrer Countries horizontally and Reference Countries
Referrer countries is selected.
Selected countries are listed vertically. Click the name of the country to see notes displayed below the Matrix.
Access related information by clicking the links under the accordian bars.
Scroll to the right to see all relationships.


Life Sciences: International Reference Pricing
This tool shows where a country refers to other countries' pharmaceutical pricing.
Map
Matrix
Referrer countries
Reference countries
Select countries
Saved profiles
Referrer Countries
Reference Countries
Change orientation
Australia
Austria
Brazil
Canada
China
Egypt
France
Argentina
Australia
Austria
Belgium
Bulgaria
Canada
Cyprus
Czech Republic
Denmark

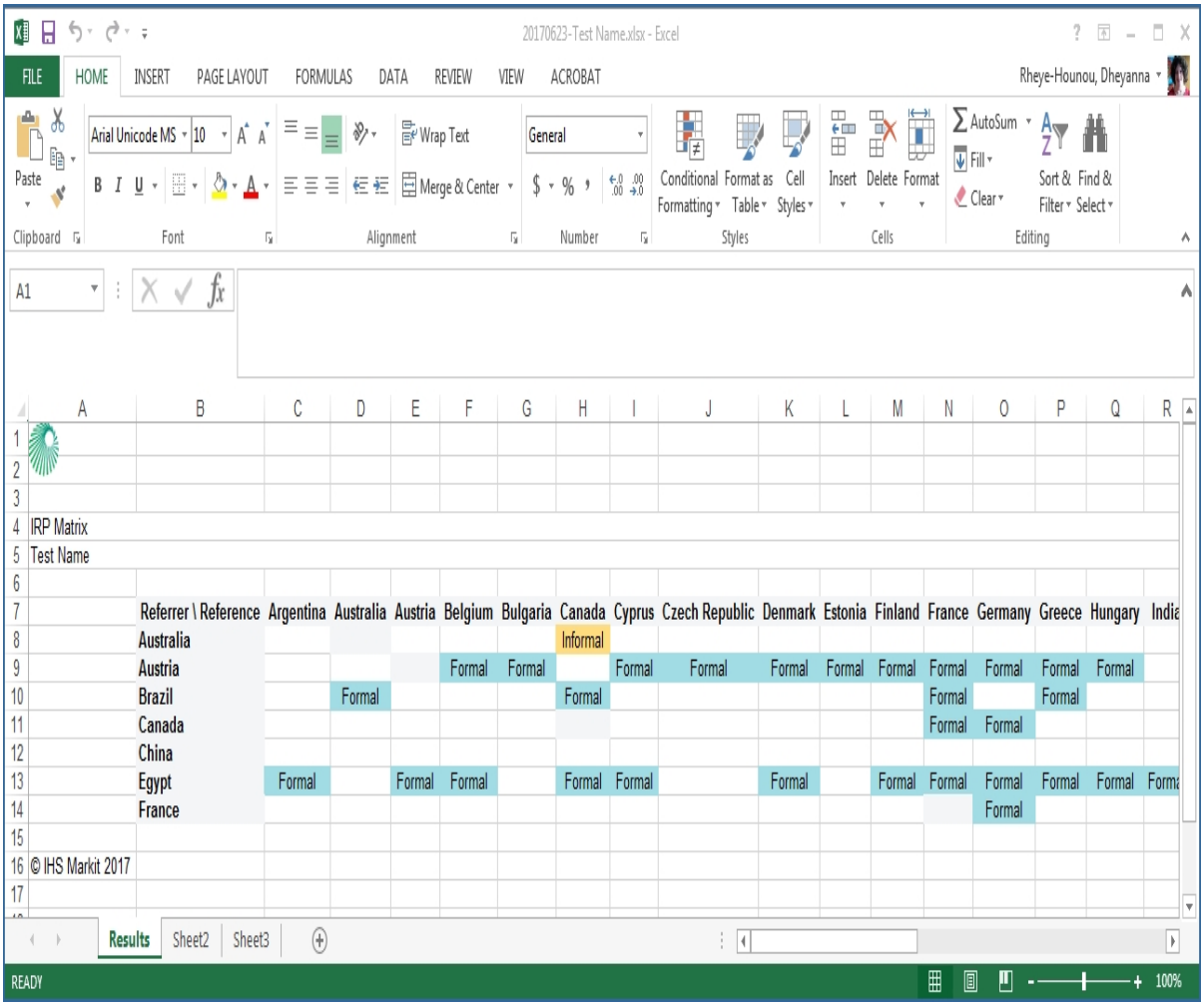
When you click a Referrer Country, notes about the country are displayed as well as links to relevant information in the Country Profile and Related Headline Analysis.



When you export to Excel, you are prompted to enter a Name.



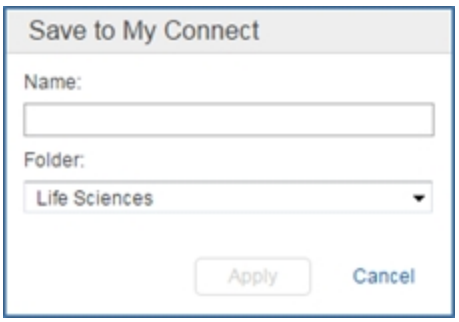
Click **Apply**, and the export appears in the lower left corner of the page where you can open or save the spreadsheet.



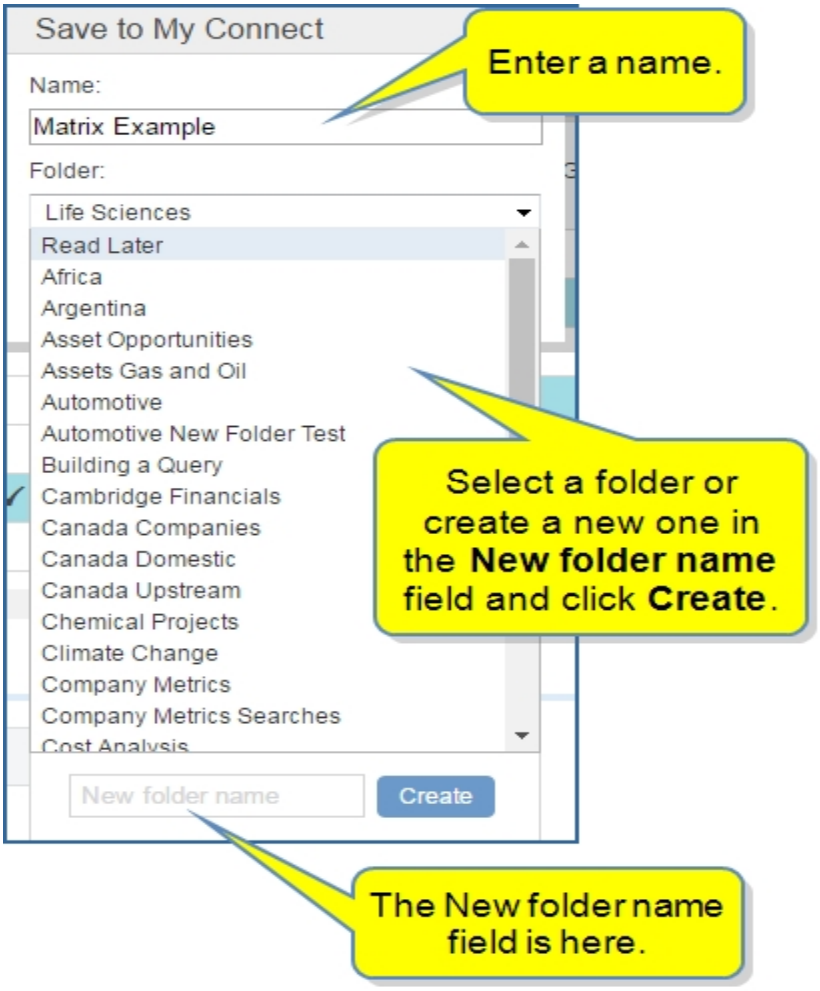
Referrer \ Reference	Argentina	Australia	Austria	Belgium	Bulgaria	Canada	Cyprus	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	India
Australia						Informal										
Austria				Formal	Formal		Formal	Formal	Formal	Formal	Formal	Formal	Formal	Formal	Formal	
Brazil		Formal				Formal						Formal		Formal		
Canada												Formal	Formal			
China																
Egypt	Formal		Formal	Formal		Formal	Formal		Formal		Formal	Formal	Formal	Formal	Formal	Forma
France													Formal			

Saving a Matrix as a profile

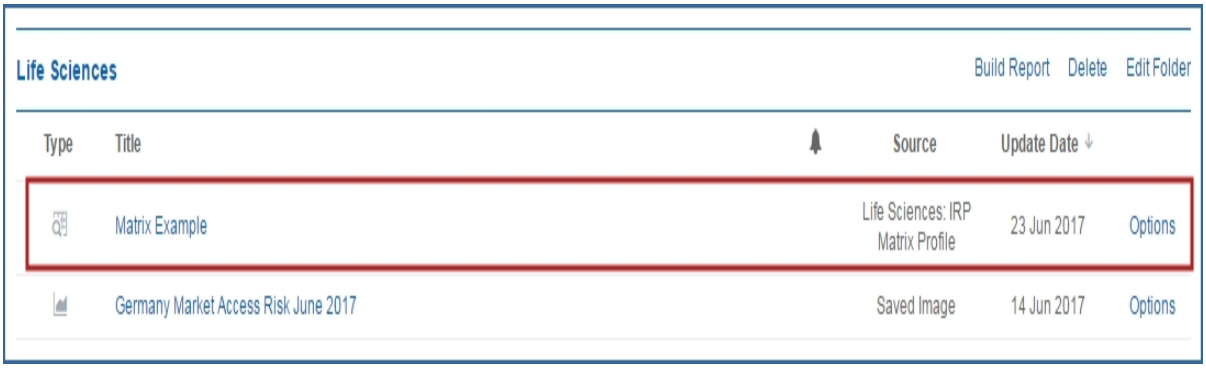
When you click **Save** next to the plus sign, the dialog box ***Save to My Connect*** is displayed.



Enter a name and select a folder from the drop down list, or create a new folder that will appear on My Connect.



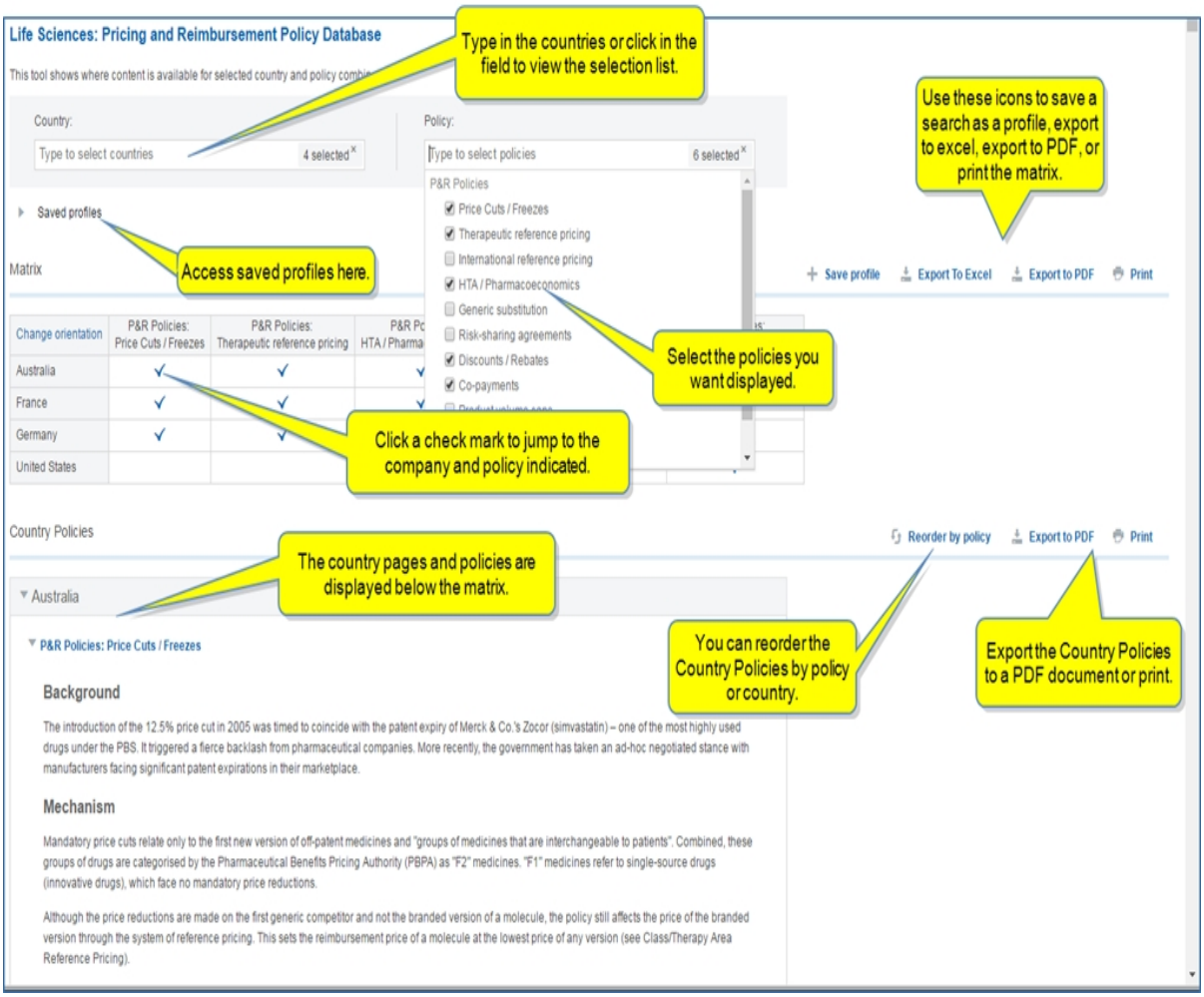
Matrix Example has been saved to the Life Sciences folder on **My Connect**.



For more information about My Connect, see About My Connect and How to save research .

Pricing and Reimbursement Policy Database

The Pricing and Reimbursement Policy Database provides policy information for countries. Selecting Countries and Policies from the drop-down lists, builds a Matrix. Country Profile and policy information is displayed beneath the matrix. Click the check marks to go directly to the country and policy indicated. Note that you can Change orientation to view the countries horizontally and the policies vertically.



The first country is open for display. The rest of the selected countries appear at the end of the first policy with arrows to expand them.

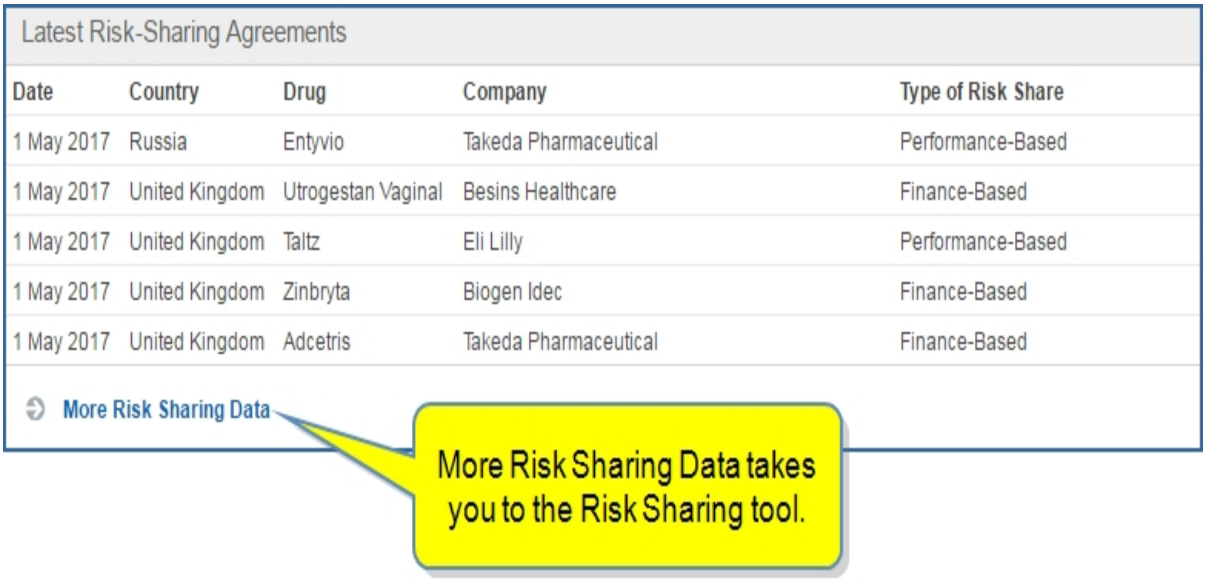
The following example shows the Country Policies results reordered by policy. Within the policy statements, the related countries are presented.

The first policy is open for display. The rest of the selected policies appear at the end of the first policy with arrows to expand them.

Risk-Sharing Database

The Risk-Sharing Agreements Database covers agreements or arrangements between payers in the health systems, such as government and pharmaceutical firms. The agreements are made to encourage the development of drugs and bring them to market when they are risky to develop.

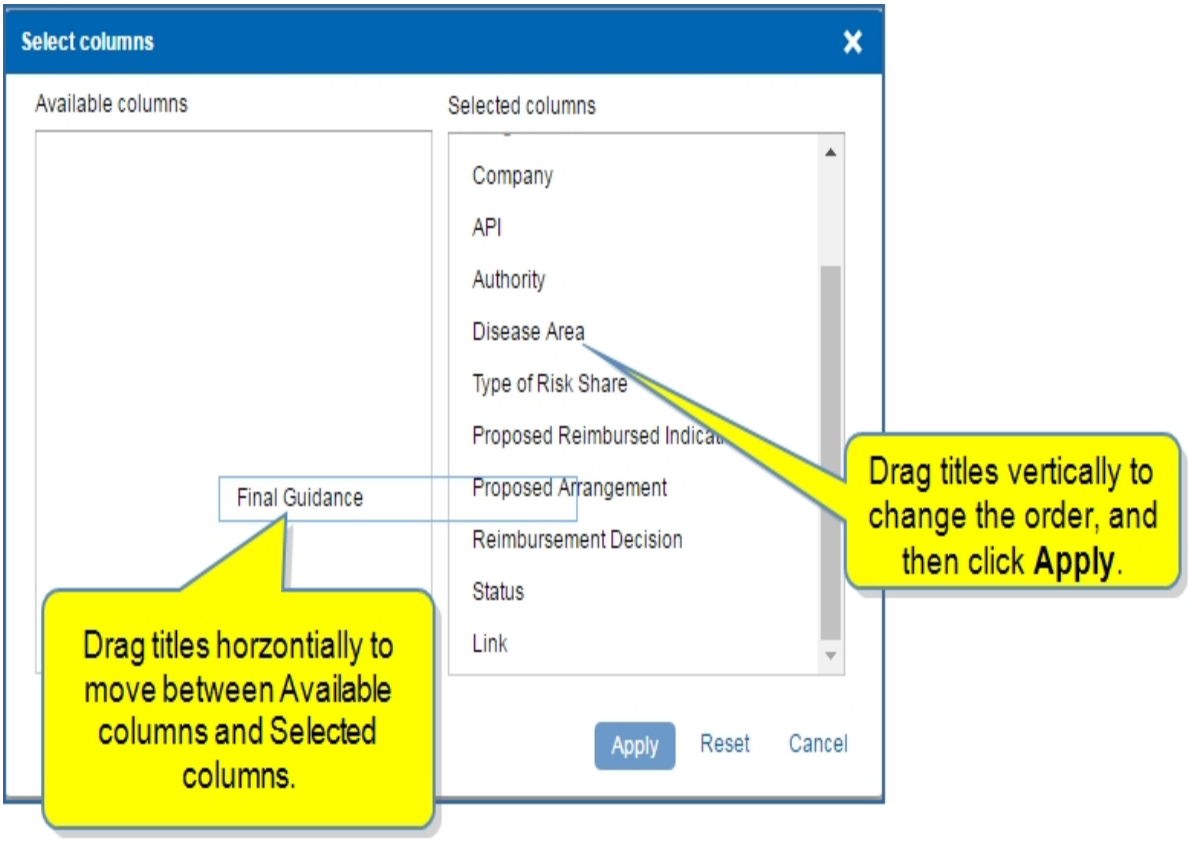
The Latest Risk-Sharing Agreements are posted on the Global page for Pricing and Reimbursement for quick review.



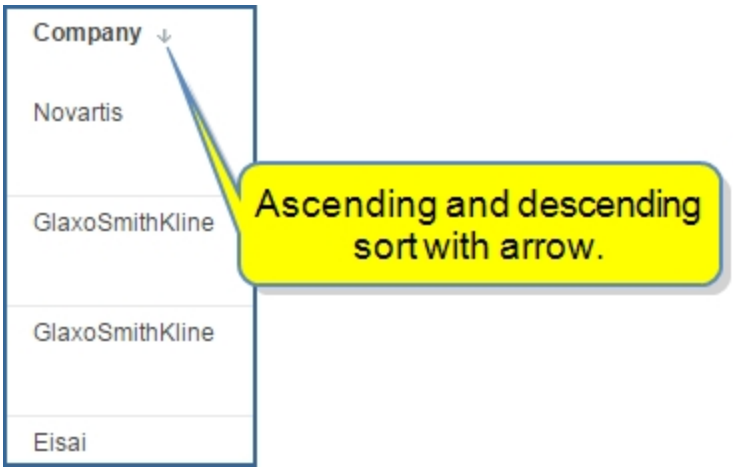
The **More Risk Sharing Data** link takes you to the full Risk-Sharing Database tool. This is a searchable tool that helps you keep track of historical and present risk-sharing arrangements, patient access schemes (PAS) and managed entry agreements (MEAs) between manufacturers of innovative medicines and payers around the world.

The tools in this database allow you to search through a large range of different types of agreements to determine Dates, Country, Drug, Company, and Type of Risk Share involved in risk-sharing agreements. The following example of search results generated on the Risk-Sharing Database tool answers the advanced search criteria parameters: Italy and breast cancer.

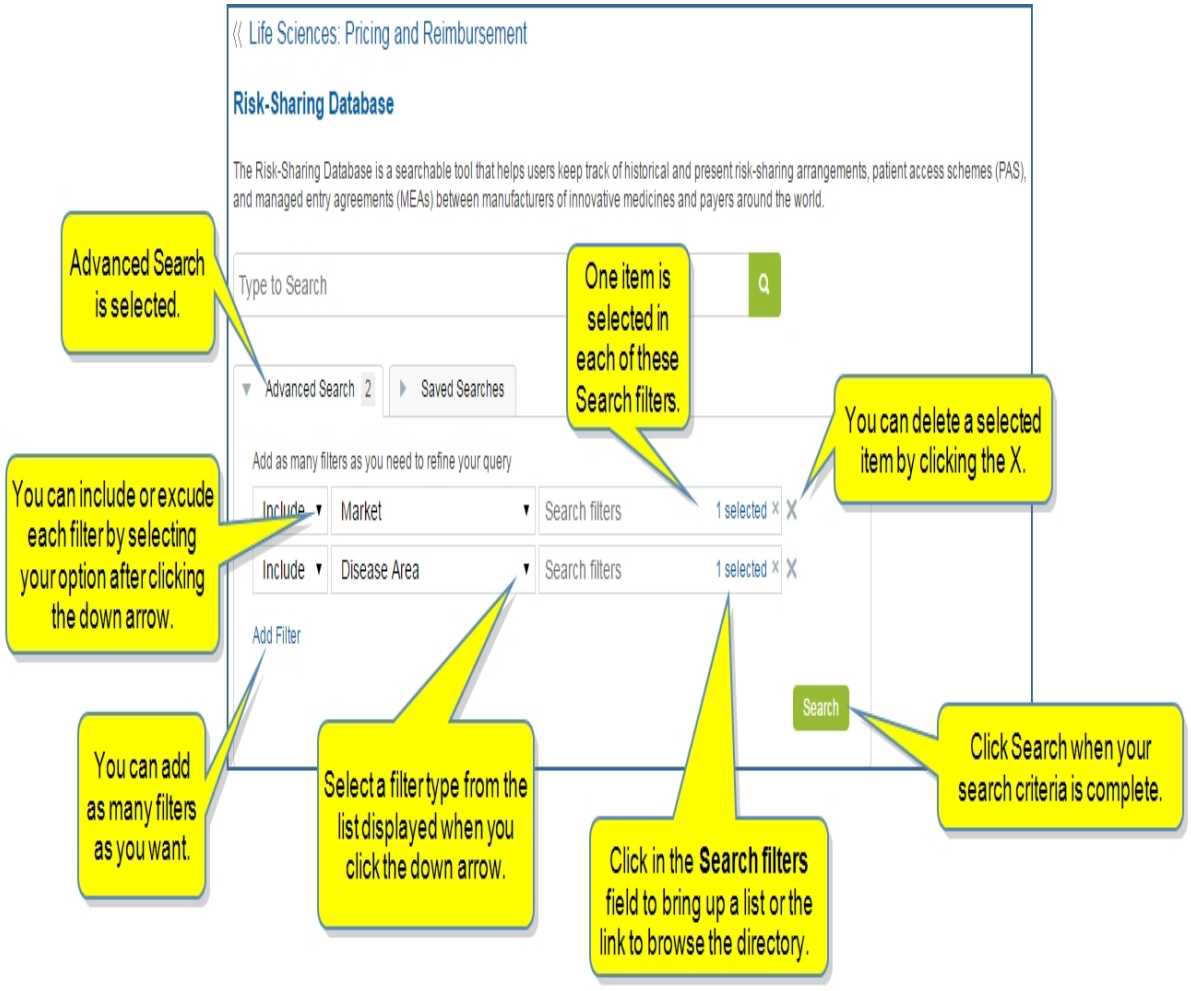
Note: You can adjust columns by selecting **Manage Columns**, and then dragging column titles to Available columns or Selected columns. You can also change the order of columns by dragging titles vertically.



Finally, you can sort results by ascending and descending order based on the column you select.



We created the search criteria parameters for the above results in the **Advanced Search** matrix.



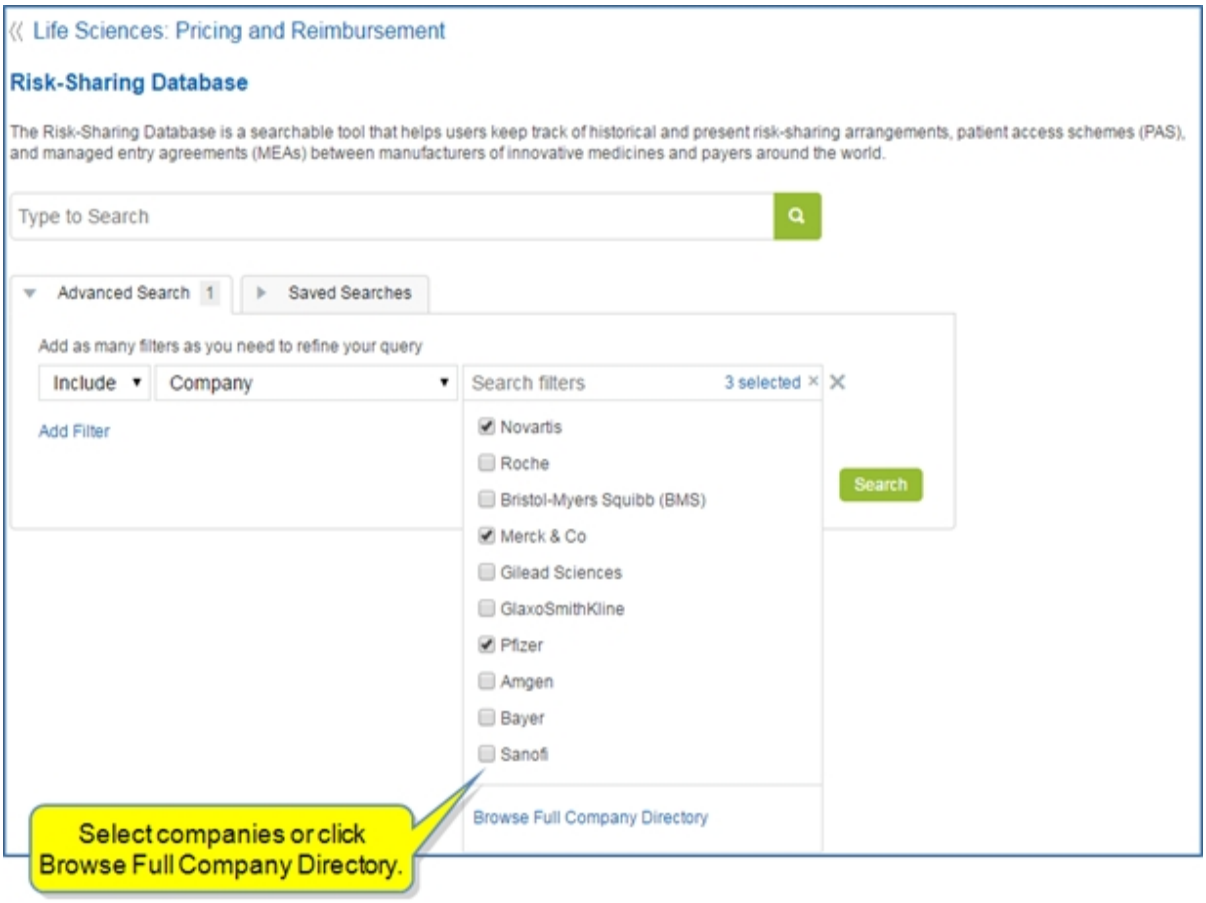
You can generate search results by using the Keyword search or Advanced Search. Enter a country, company, drug, disease area, and so on to search with a keyword.

Executing an Advanced Search

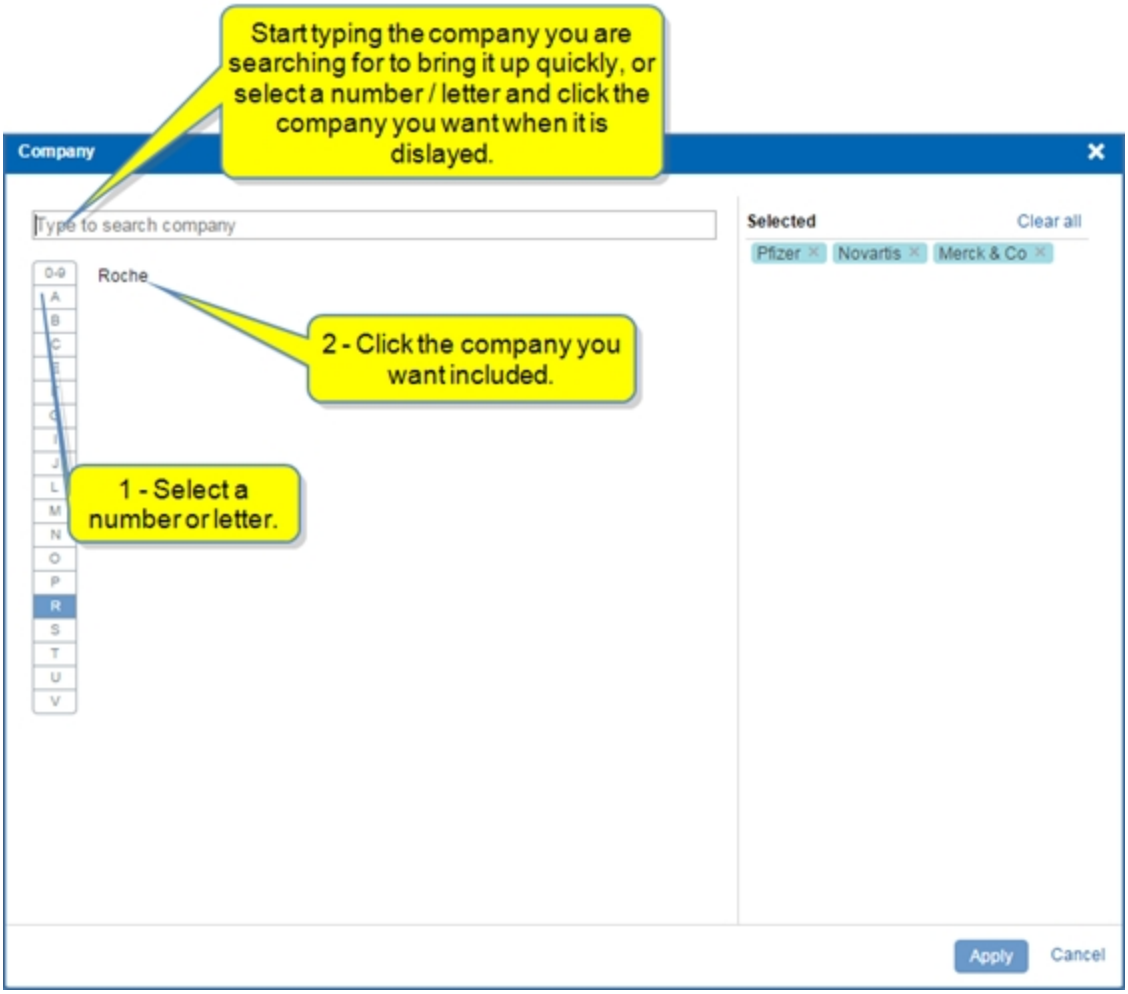
After selecting More Risk Sharing Data on the Latest Risk-Sharing Agreement module for Pricing and Reimbursement - Global

1. Click **Add Filter** under Advanced Search.
2. Select a filter topic from the topic drop-down list. We'll select **Company**.

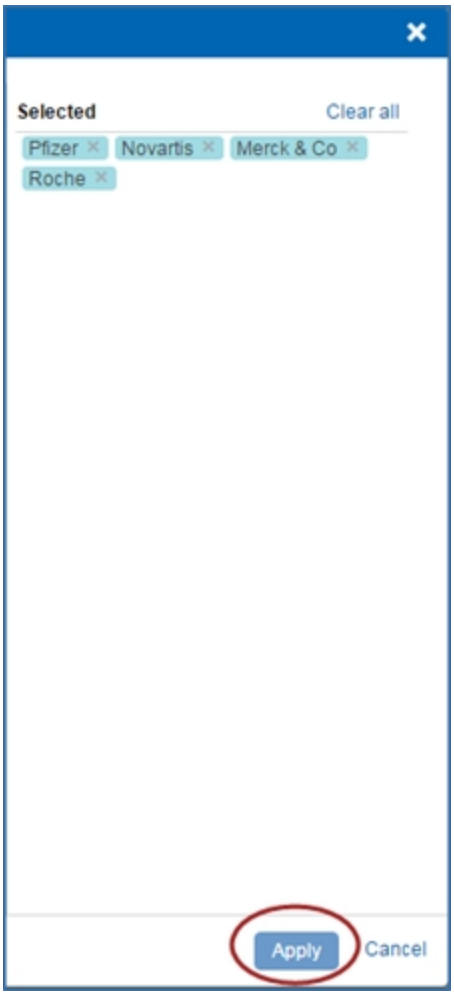
3. Select the companies you want searched with a check mark, or click **Browse Full Company Directory**.



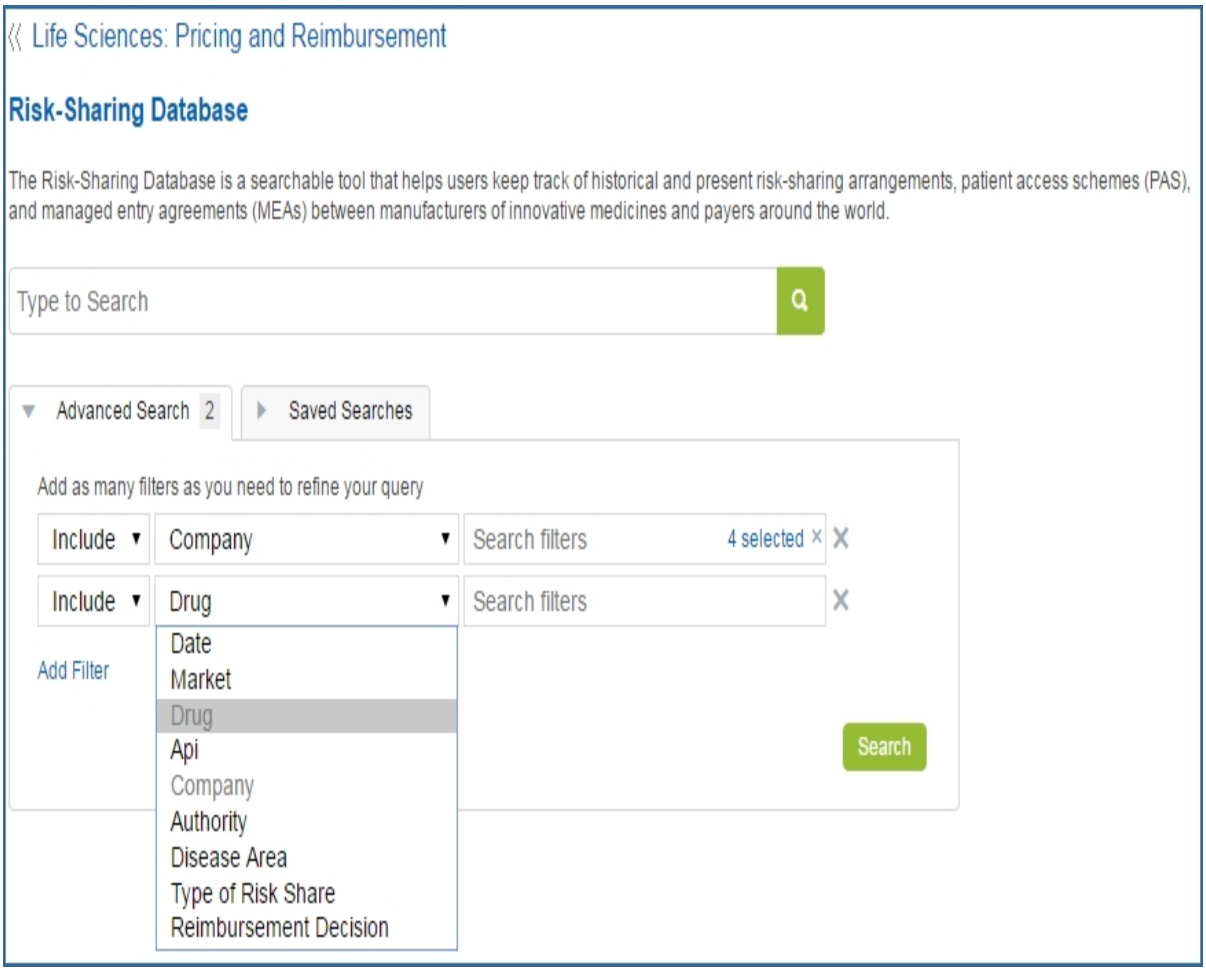
If you choose from the Full Company Directory, the list looks like this. Select a number or letter, and then click the company you want included. Or, you can begin typing in the search field at the top of the page.



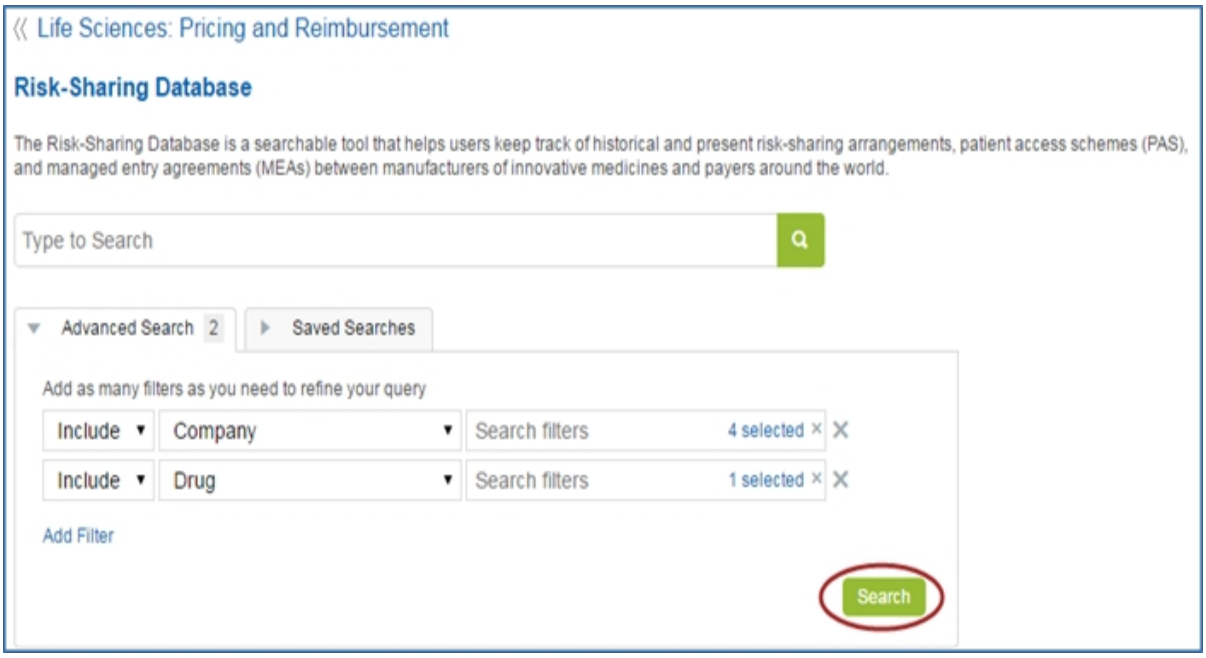
Roche is now on the Selected list. Click **Apply**.



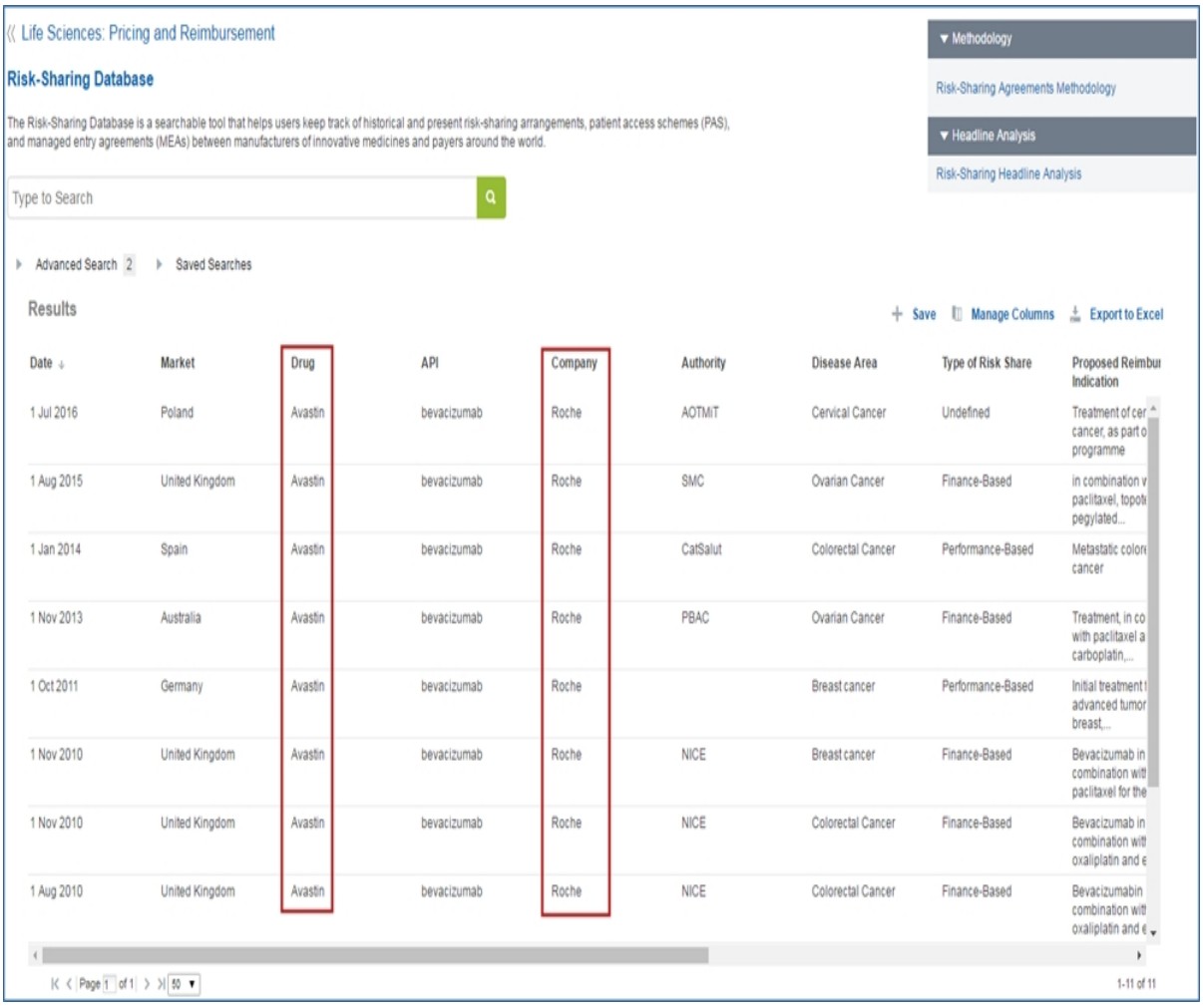
4. Select **Add Filter** again and choose **Drug** from the drop-down list.



5. Click in the Search filters field and select **Browse Full Drug Directory**.
6. Select **Avastin**, and then click **Apply**.
7. Click **Search**.



Search Results for Avastin manufactured by Roche are displayed.


Life Sciences: Pricing and Reimbursement
Risk-Sharing Database
The Risk-Sharing Database is a searchable tool that helps users keep track of historical and present risk-sharing arrangements, patient access schemes (PAS), and managed entry agreements (MEAs) between manufacturers of innovative medicines and payers around the world.
Type to Search
Advanced Search 2
Saved Searches
Methodology
Risk-Sharing Agreements Methodology
Headline Analysis
Risk-Sharing Headline Analysis
Results
Save
Manage Columns
Export to Excel
Date
Market
Drug
API
Company
Authority
Disease Area
Type of Risk Share
Proposed Reimbu Indication
1 Jul 2016 Poland Avastin bevacizumab Roche AOTMiT Cervical Cancer Undefined Treatment of cer cancer, as part o programme
1 Aug 2015 United Kingdom Avastin bevacizumab Roche SMC Ovarian Cancer Finance-Based in combination v paclitaxel, topot pegylated...
1 Jan 2014 Spain Avastin bevacizumab Roche CatSalut Colorectal Cancer Performance-Based Metastatic colore cancer
1 Nov 2013 Australia Avastin bevacizumab Roche PBAC Ovarian Cancer Finance-Based Treatment, in co with paclitaxel a carboplatin,...
1 Oct 2011 Germany Avastin bevacizumab Roche Breast cancer Performance-Based Initial treatment advanced tumor breast,...
1 Nov 2010 United Kingdom Avastin bevacizumab Roche NICE Breast cancer Finance-Based Bevacizumab in combination with paclitaxel for the
1 Nov 2010 United Kingdom Avastin bevacizumab Roche NICE Colorectal Cancer Finance-Based Bevacizumab in combination with oxaliplatin and e
1 Aug 2010 United Kingdom Avastin bevacizumab Roche NICE Colorectal Cancer Finance-Based Bevacizumabin combination with oxaliplatin and e
Page 1 of 1
50
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Maritime and Trade

Maritime and Trade megamenu

World Trade Service provides extensive coverage, forecasts, and analysis of international trade and commercial freight traffic. Interactive data visualizations allow you to explore different types of trade by Commodity and Year. You can view Trade Relationships (Importer to Exporter) by commodity or summarized by Trade Mode. Economic data and analysis is integrated into World Trade Service modules to provide broader context.

Data Browser provides Online Analytical Processing (OLAP) World Trade Service data sets.

Use Maritime and Trade modules to determine trends in the World Economy and Trade report, Headline Analysis and Service Bulletins, and view macroeconomic summaries.

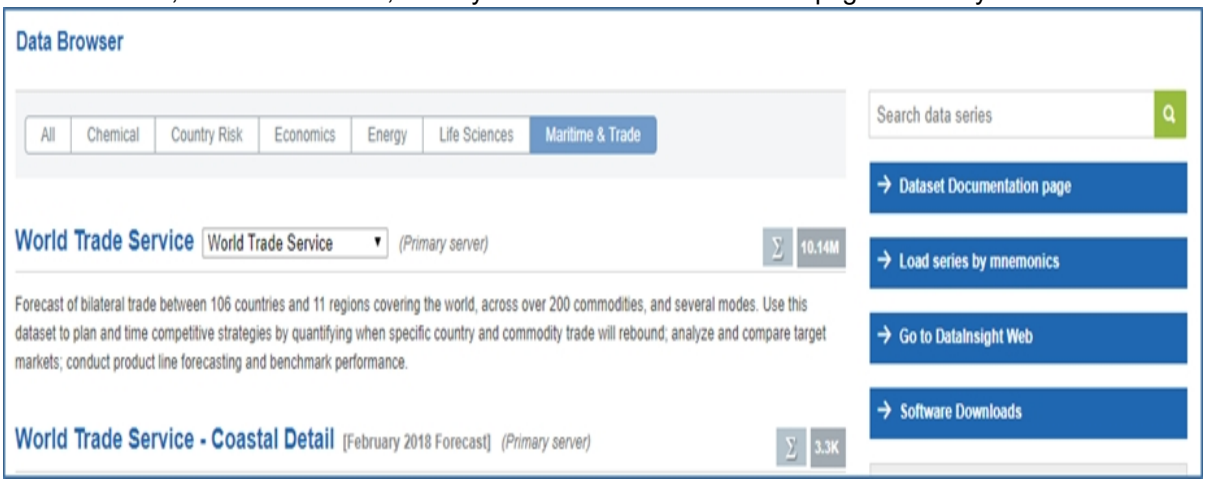
Data is presented visually in heat maps, charts showing share of commodities, rankings, and time series charts allowing you to drill down by country or commodity.

The following links take you to the economic pages on the megamenu for each segment.

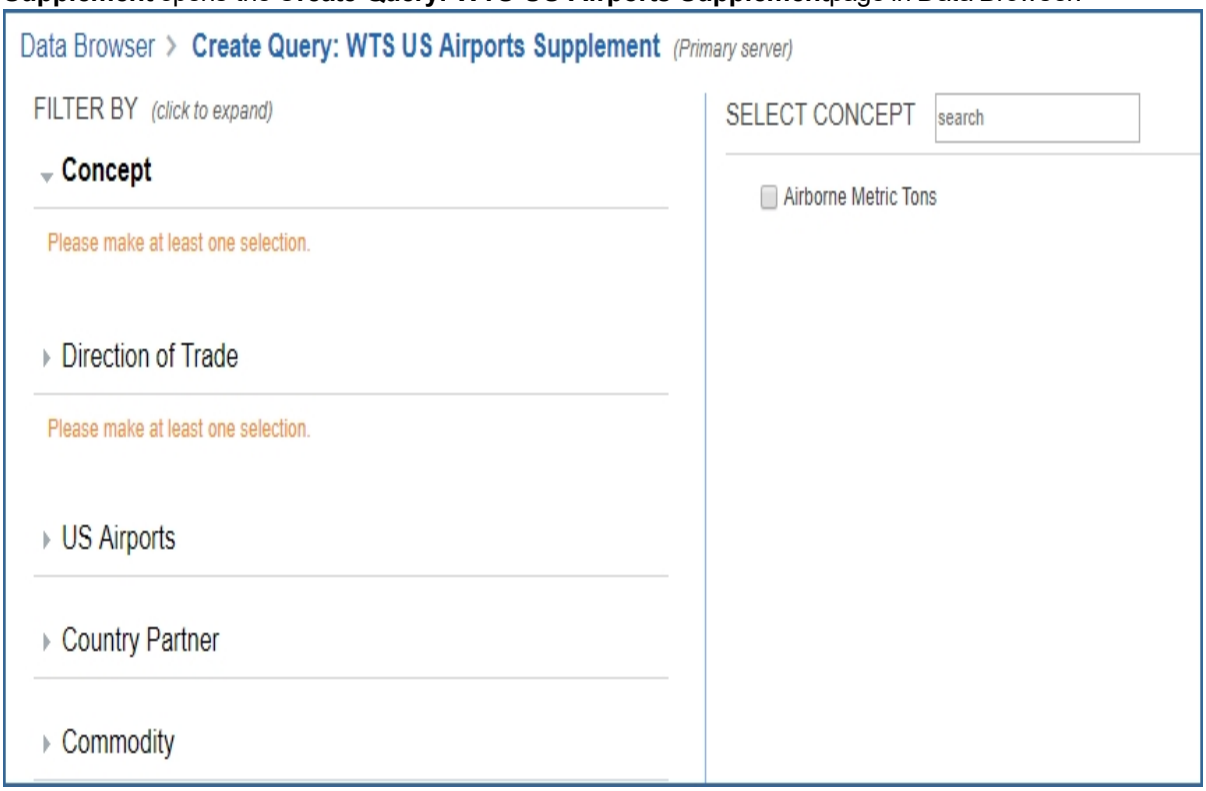
- World Trade Services
- Trends in World Economy and Trade
- Headline Analysis

Selecting Economic tools

Data Browser, listed under Tools, takes you to the main Data Browser page filtered by Maritime &Trade.



The Maritime & Trade sub items take you to the query page for each dataset. For example, **WTS US Airports Supplement** opens the **Create Query: WTS US Airports Supplement**page in Data Browser.



Review further information about finding and accessing Tools below under Accessing information about tools.

Accessing information about tools

Instructions about using Tools are available in this document, the IHS Connect User Guide.

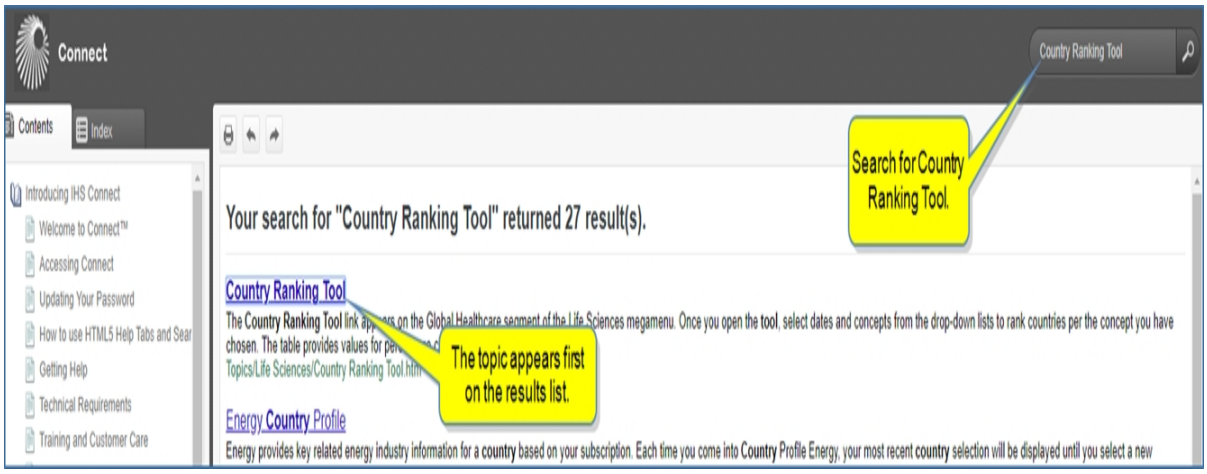
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

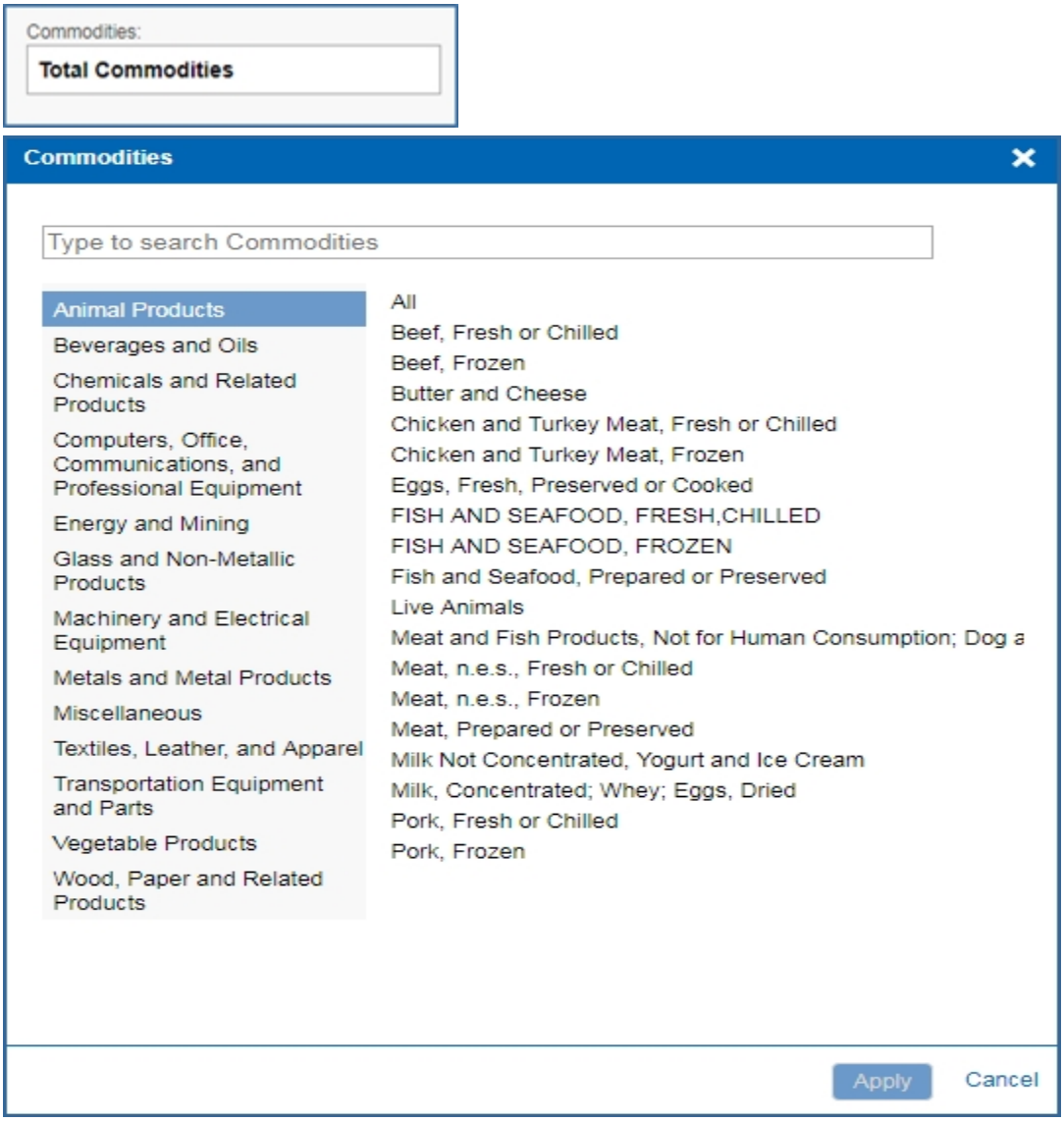


World Trade Services

World Trade Service modules provide extensive coverage, forecasts, and analysis of international trade and commercial freight traffic.

From the Overview tab / page Explore Total Commodities by year with Nominal Value (Millions USD) or Volume (Thousands Tons). The legend indicates the color coding on the maps. You can export the map to image, PDF, or PowerPoint when you click the Menu bar. Drill down on the map by clicking countries or by commodity. Orange circles on the map indicate regions. Hover to view data.

Click in the Commodities field to enter an item or Browse the Commodities Directory.

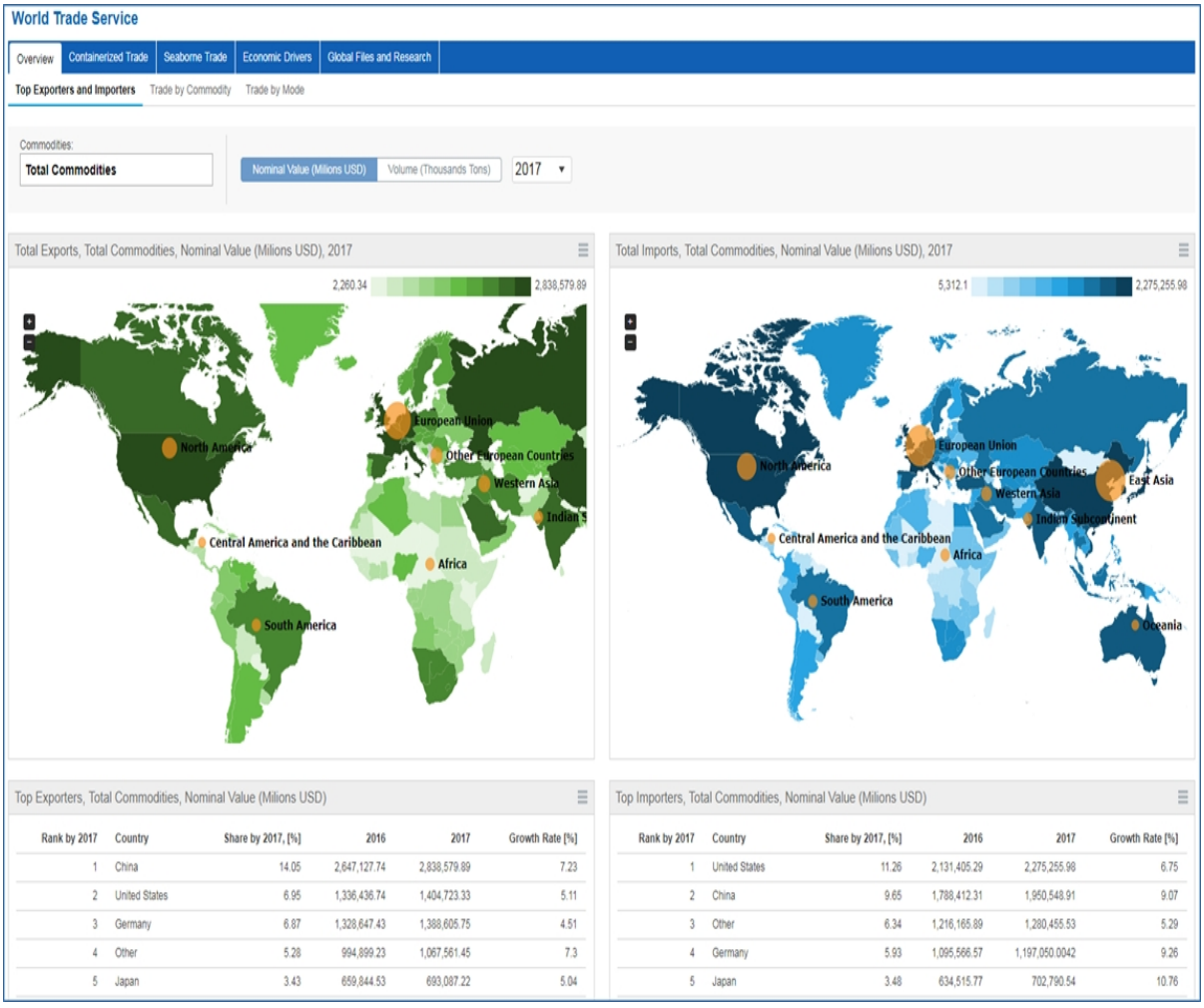


To save the data in the ranking table, click the Menu bar to download to Excel.

Visual graphs and charts are available through the main tabs an subtabs.

Main tabs: Overview, Containerized Trade, Seaborne Trade, Economic Drivers, Global Files and Research.

Subtabs: Top Explorters and Importers, Trade by Commodity, Trade by Mode.



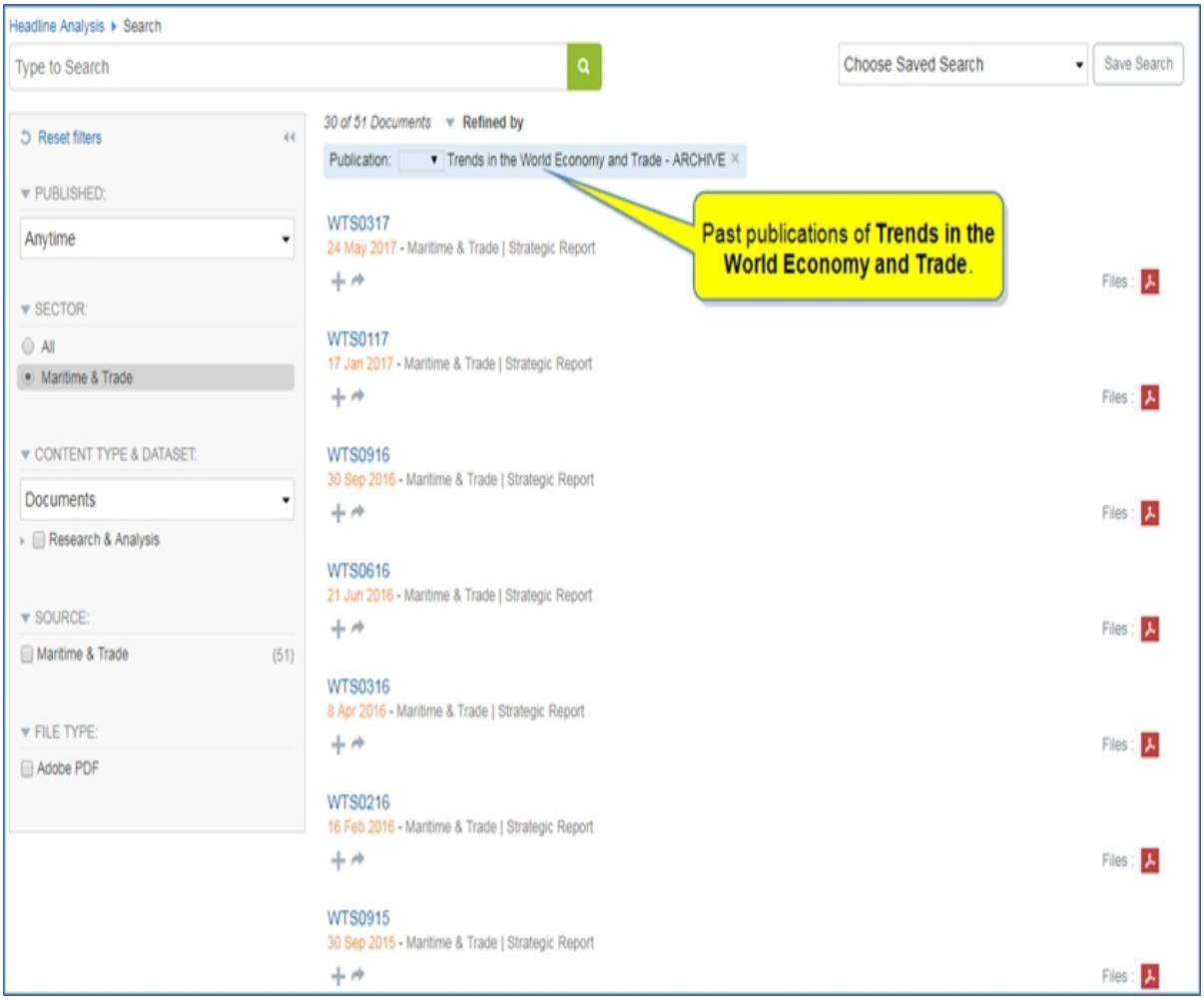
Trends in World Economy and Trade

The World Trade Service Global Files and Research are located under the Global Files and Research tab. Here you find the quarterly report that provides an overview of trade and transportation trends and outlooks focusing on the world economy, commodity prices, trade demand, seaborne trade, containerized trade, quarterly trade forecasts, historical data and forecast revisions.

The View Table of Contents link opens The Table of Contents with linked headings that expand to display sub topics. A module for Related Documents is also displayed. Archived issues of ***Trends in the World Economy and Trade*** are available on the search page for Headline Analysis, filtered to Maritime & Trade when you select the **Archive** button.

Links to Primary Tools, Methodology & Glossary, Headline Analysis, and Service Bulletins accordion bars are located in the right panel.

When you select the Archive button, the Maritime & Trade search page is displayed listing past publications.



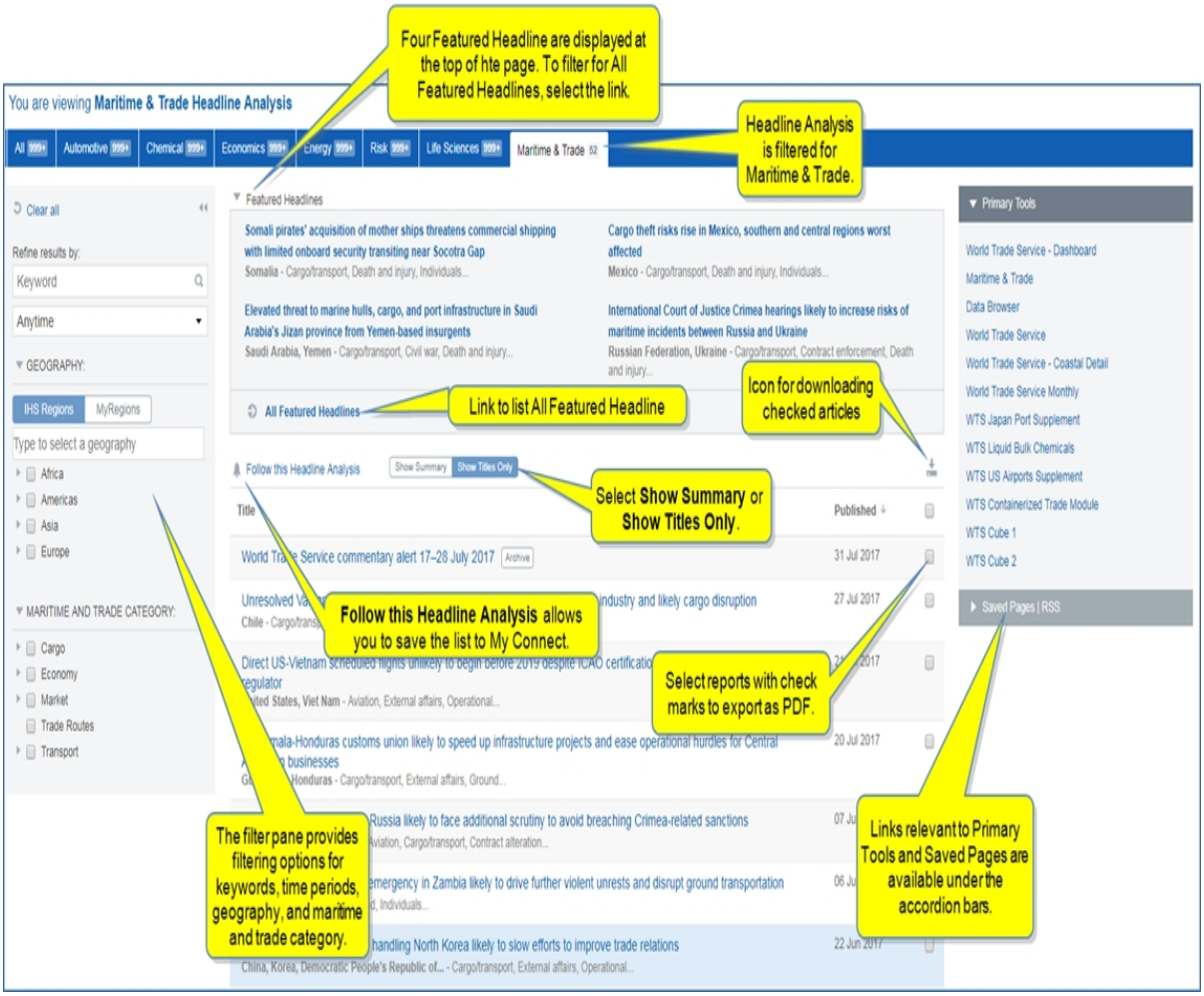
For more information about the Search page, see Searching in Connect.

Headline Analysis

The Headline Analysis page opens with Maritime & Trade displayed. Filters are available in the left pane, articles are listed in the center pane, and Primary Tools and Saved Pages are displayed in the right pane. Filters for keywords, time periods, geography, and maritime and trade category are available in the left pane.

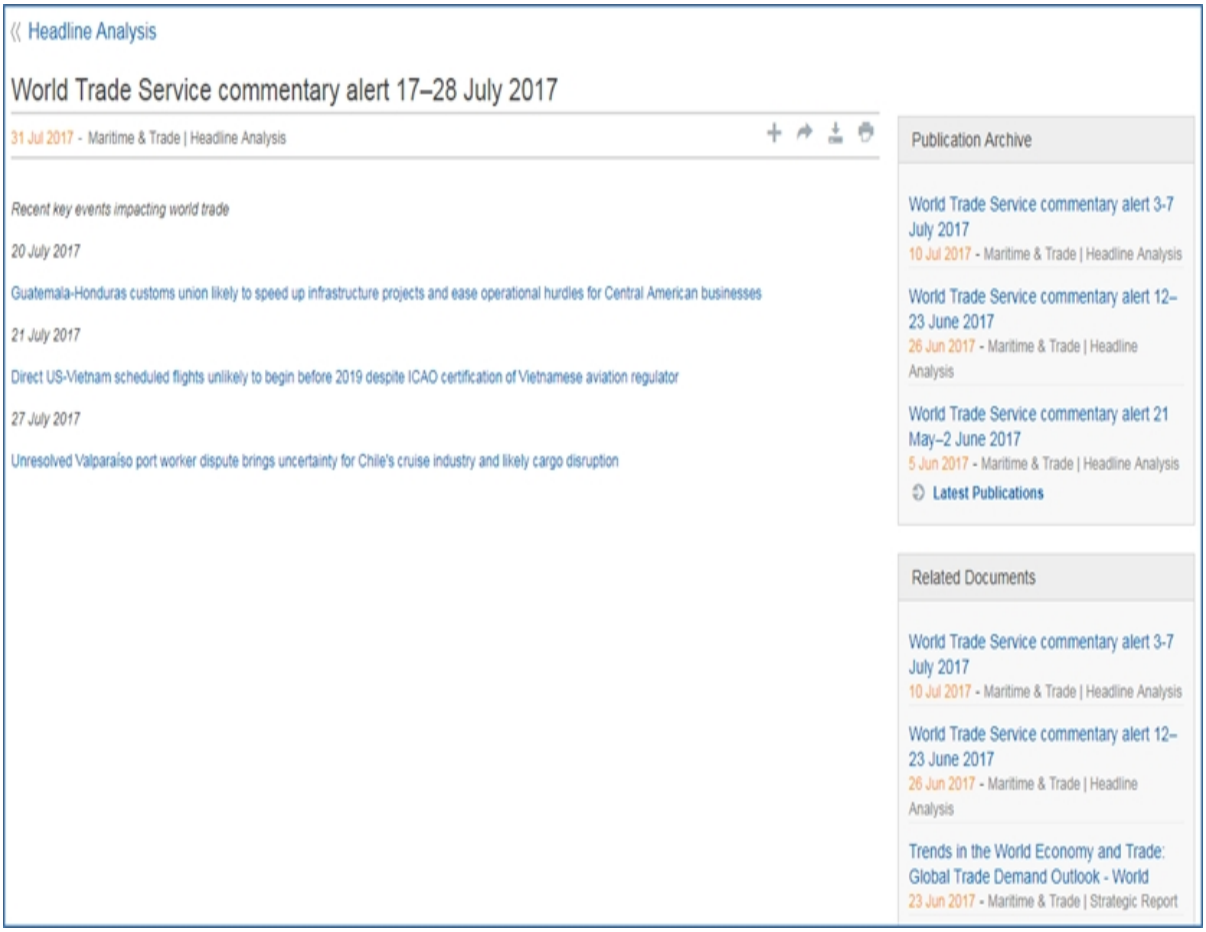
The centered pane displays Featured Headlines, Follow this Headline Analysis, and a list of articles publishing in descending order be default. You can change the sort order by selecting the Published arrow.

The right pane contains accordion bars that expand to display links for Primary Tools and Saved Pages.



Hover the title to view the abstract and display icons for savings to My Connect, or sharing the article.

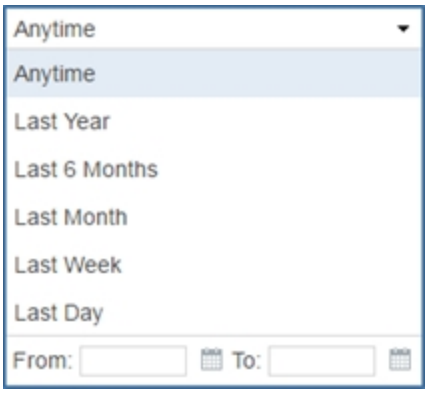
Click the title of a report to open the full report.



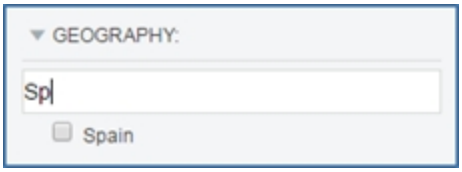
Filter pane

The left Filter pane allows you to refine results by a keyword search, time period, geography, and maritime and trade category. Down and right-facing arrows expand to give you more options.

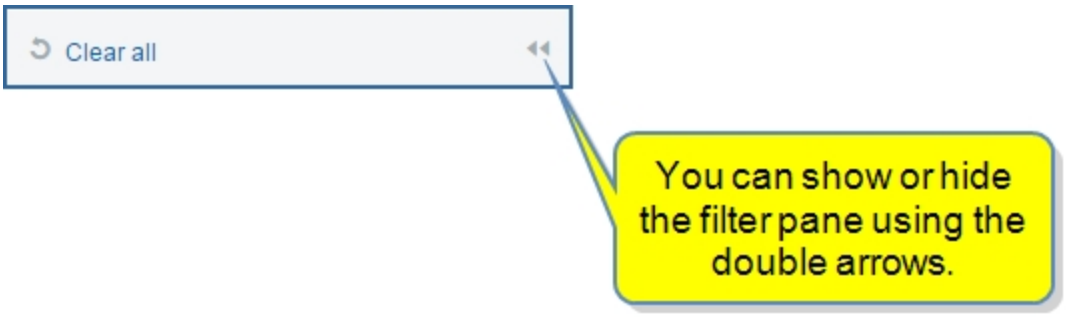
The default time period is **Anytime**. Included in the drop-down list are **Last Year**, **Last 6 Months**, **Last Month**, **Last Week**, **Last Day**, and calendar icons for **From** and **To** that allow you to customize a time period.



You can type in a geography or select a country by expanding the arrow for a region.



To refresh the filters by clearing all selections, click **Clear all**.

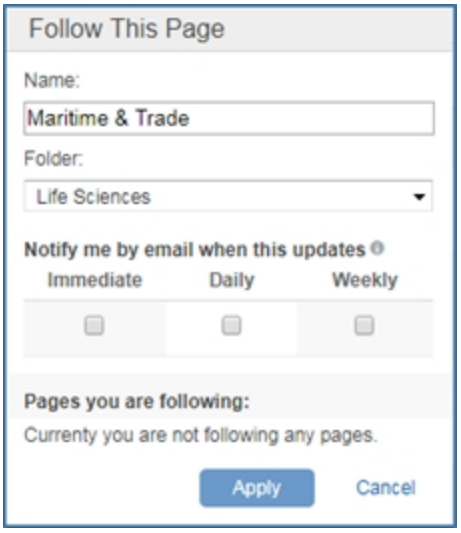


Click the double arrows to show or hide the filter pane.

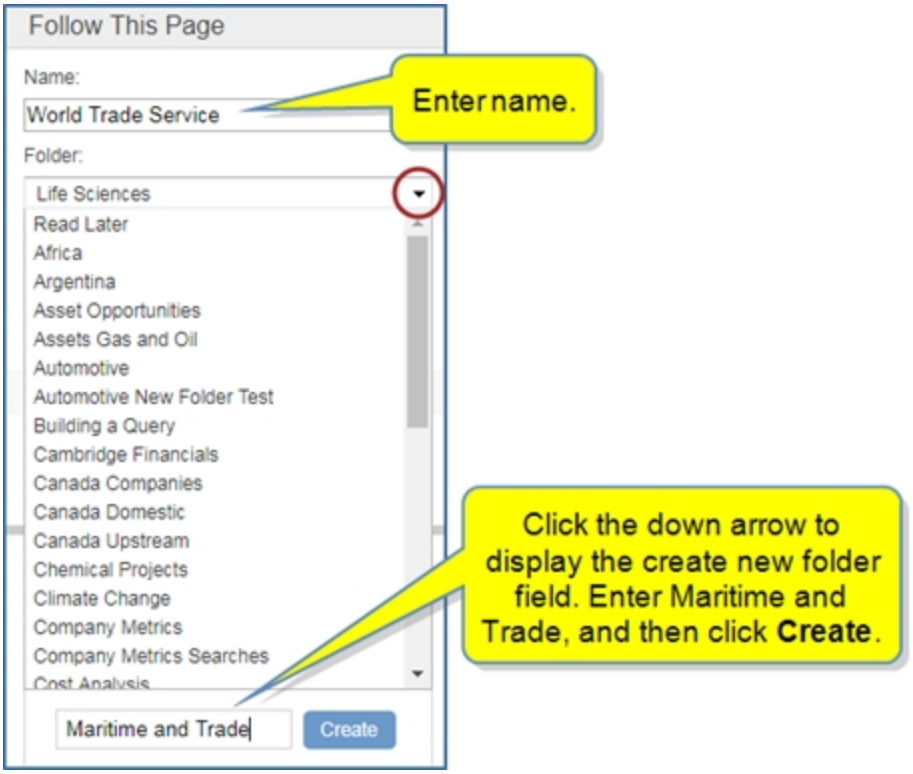
Follow this Headline Analysis

Follow this Headline Analysis appears with a bell icon above the results list.

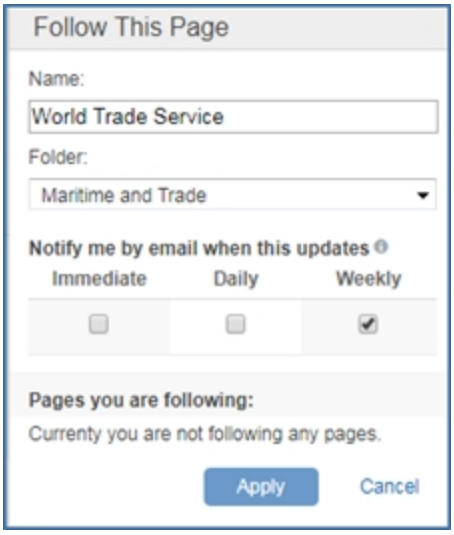
When you click **Follow this Headline Analysis**, a ***Follow This Page*** dialog box is displayed that allows you to name the Headline Analysis list and save it to a folder on My Connect.



We'll change the name, create a new folder, and set up an email alert.



Now we'll select a weekly alert, and then click **Apply**.



The World Trade Service Headline Analysis page is saved under the Saved Pages accordion bar on the Headline Analysis page and in My Connect.

Risk

Risk megamenu overview

Risk pages cover research and data for Country Risk, Sovereign Risk, and Banking Risk. By navigating through these segments, content pages, and associated Tools, Related Products & Platforms, and IHS Events, you can view all valuable information about risk from a single megamenu.

The left panel of the megamenu displays the Country Risk, Banking Risk, and Sovereign Risk segments. Within the segment pages under Access Your Research and Data, you can view content by risk type and region using contextual maps and filtering. The **Research a Country** field at the bottom of the Access Your Research and Data panel takes you to a country profile when you enter and select a country. The country profile opens with the Country Risk page displayed.

Access pages for each segment from the center panel. Content titles are linked to pages that address important perspectives to the risk sector selected. The Tools, Related Products & Platforms, and IHS Events in the right panel take you to analytical and forecasting aids. Note that in some instances, you may need to enter a user name and password to access a platform located outside of IHS Connect.

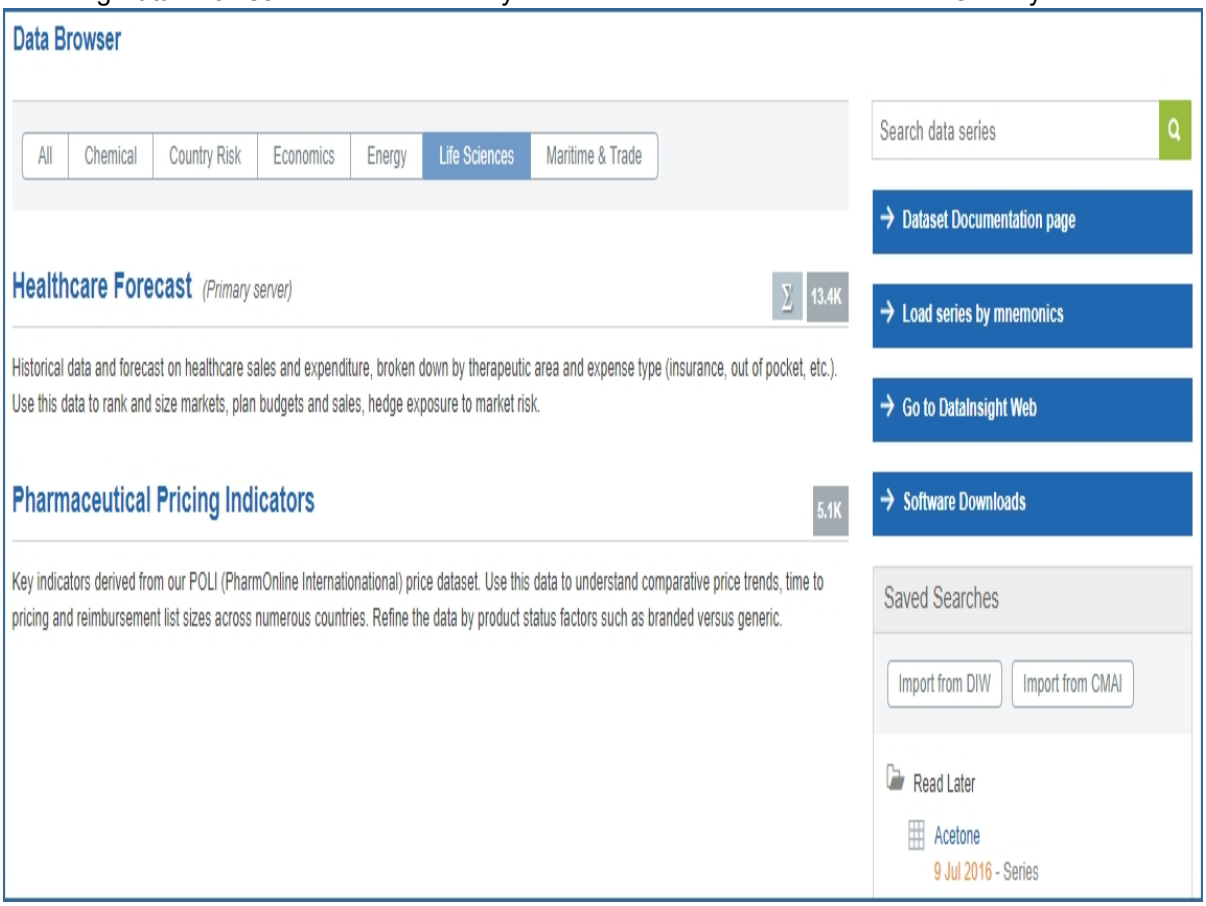
The following links take you to the following risk categories on the megamenu:

- Country Risk
- Sovereign Risk
- Banking Risk

Reviewing available tools

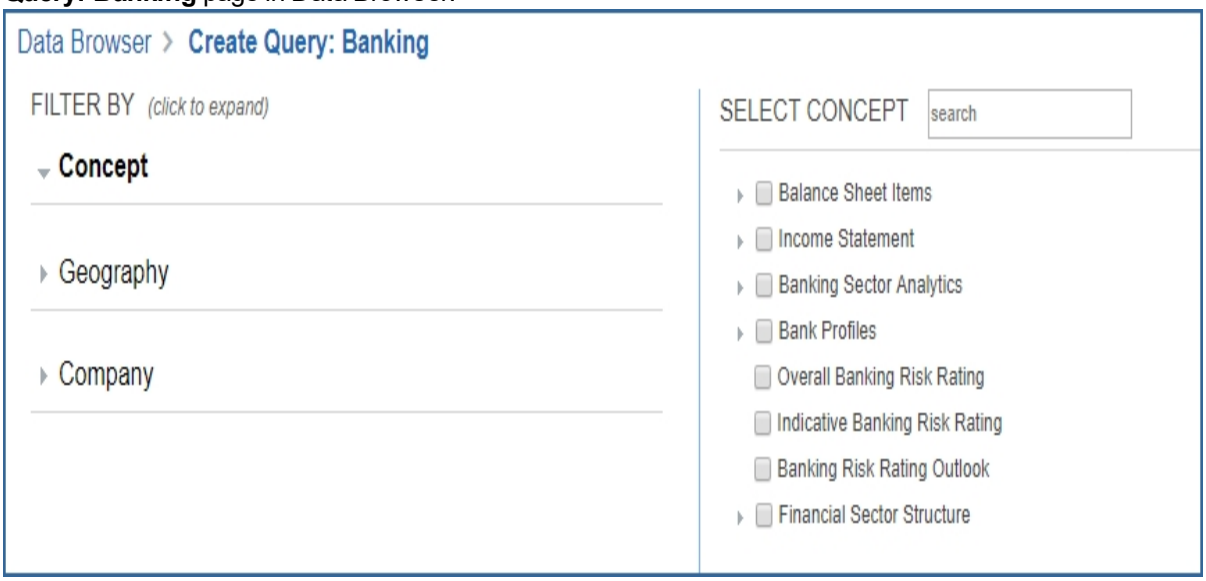
Select a tool on the Tools listed on the Country Risk, Banking Risk, and Sovereign Risk pages to access supporting data.

Selecting **Data Browser** under Tools takes you to the Data Browser tool filtered for Country Risk.



Selecting **Country Risk Ratings** under Tools / Data Browser with Country Risk or Sovereign Risk selected on the megamenu opens the **Create Query: Country Risk Ratings** page in Data Browser.

Selecting **Banking** under Tools / Data Browser with Banking selected on the megamenu opens the **Create Query: Banking** page in Data Browser.



For more information about Data Browser, see About Data Browser.

The **Location Analytics** tool allows you to conduct risk analysis of a portfolio of locations previously uploaded to My Connect / My Locations. Once you identify asset locations and save the location groups, Location Analytics provides the context to analyze and compare violent risk conditions. You can chart information, create model scenarios, and view asset locations in a context with other map characteristics and assets. Once you create sophisticated scenario models, you can save them to My Connect and add them to Report Builder. For more information about Location Analytics, click Location Analytics here.

For more information about finding tools, see Accessing information about tools below.

Accessing information about tools

Instructions about using Tools are available in this document, the IHS Connect User Guide.

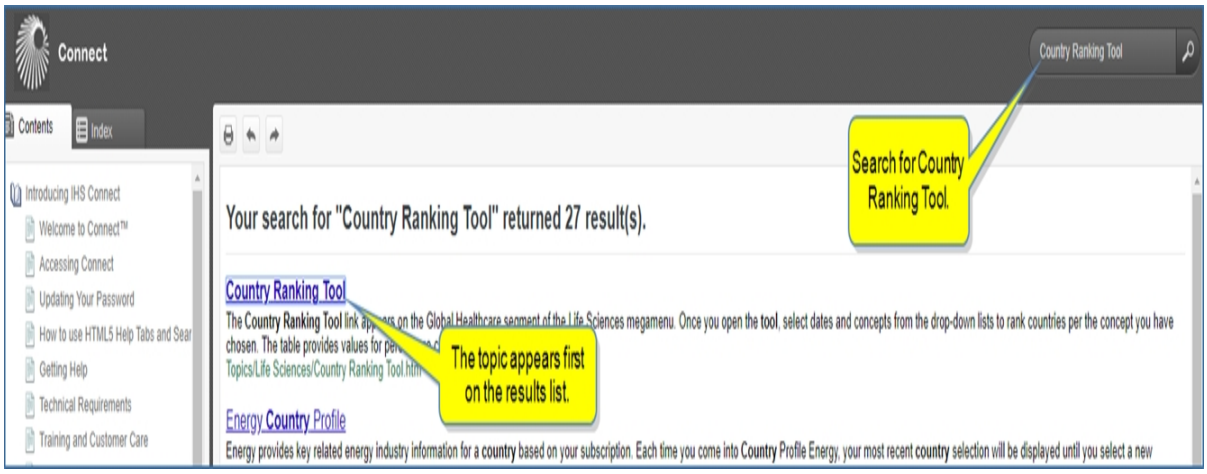
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



Country Risk

From the Country Risk segment on the Risk megamenu access the following pages:

- Country Risk - Global
- Country Risk - Country
- Map
- Headline Analysis
- Intelligence Events
- Risks and Ratings
- Special Topic: Brexit
- Research a Country
- Accessing information about tools
- Related Products & Platforms
- IHS Events

For detailed information about tools, review the Risk megamenu overview and Accessing information about tools below.

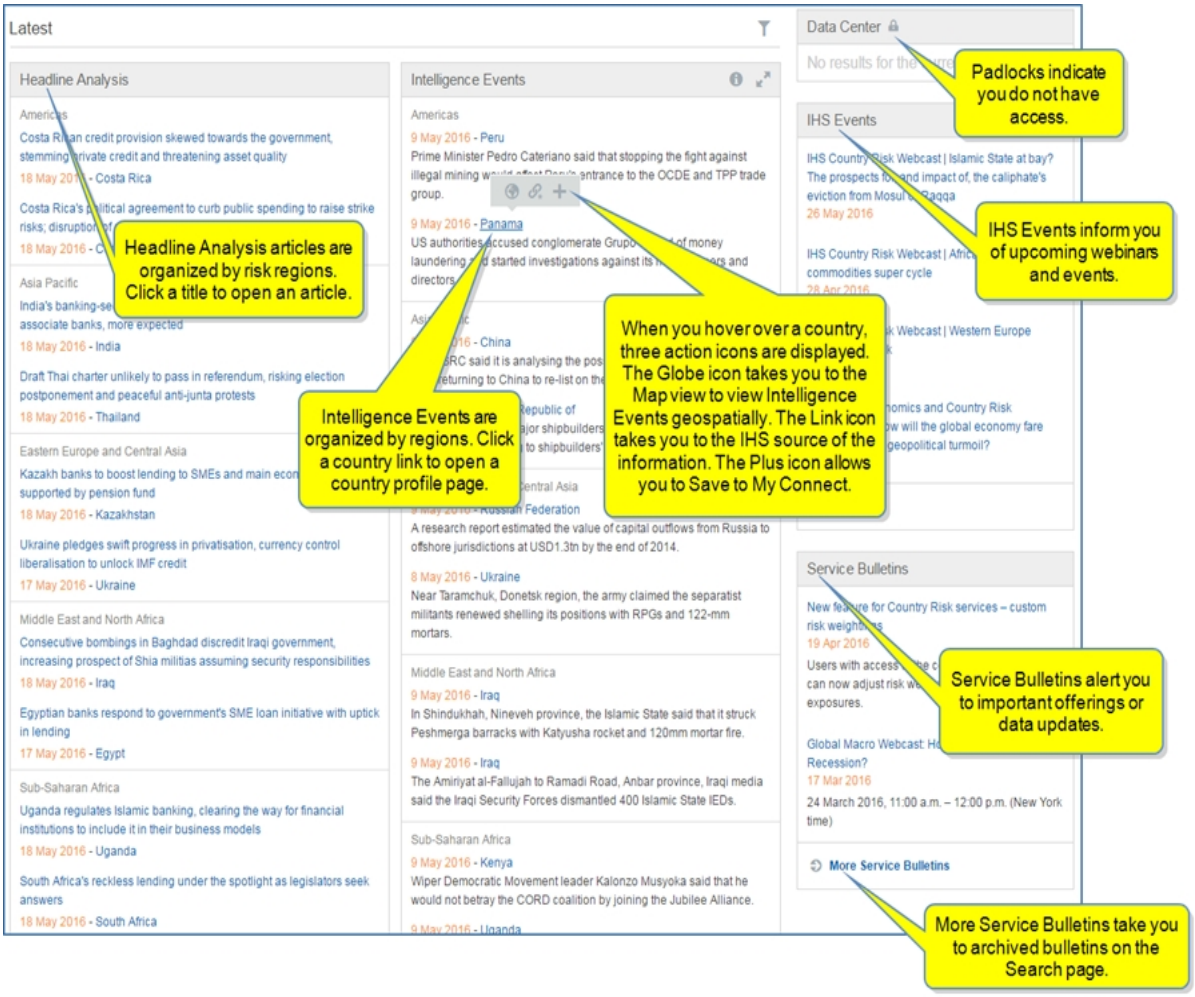
Country Risk - Global

Country Risk - Global displays information at the global level but also at the country level when you choose a country. This section describes global modules and the information available. See Country Risk - Country for details about country risk information.

Country Risk - Global presents the latest worldwide risk scores, analysis, and intelligence in the following modules.

- Standard modules: Service Bulletins, IHS Events, and Methodology & Glossary.
- Hot Topics
- Announcement

- Special Reports
- Risk Ratings
- Country Risk Monitor
- Headline Analysis
- Intelligence Events


Latest
Headline Analysis
Intelligence Events
Data Center
IHS Events
Service Bulletins
Padlocks indicate you do not have access.
IHS Events inform you of upcoming webinars and events.
Headline Analysis articles are organized by risk regions. Click a title to open an article.
When you hover over a country, three action icons are displayed. The Globe icon takes you to the Map view to view Intelligence Events geospatially. The Link icon takes you to the IHS source of the information. The Plus icon allows you to Save to My Connect.
Intelligence Events are organized by regions. Click a country link to open a country profile page.
Service Bulletins alert you to important offerings or data updates.
More Service Bulletins
More Service Bulletins take you to archived bulletins on the Search page.

More Headline Analysis
More Intelligence Events
More Headline Analysis takes you to the Search page with more articles and filter options.
More Intelligence Events takes you to a maximized view of an Intelligence Events list that can be sorted in ascending or descending date order. You can also filter further by publiclation date range, keyword search, or My Regions.

Review Searching in Connect for more information about Search.

Hot Topics

Hot Topics covers the business impact of changing world events. You can view recent Hot Topics on both the Home page and the Country Risk - Global page and more by clicking **More Hot Topics**.

Announcement

When an Announcement relates to information on the Country Risk-Global page, it is displayed in the upper right corner. The Announcement informs you of new Country Risk offerings from IHS, new industry reports, and collaborations, or communicates an advancement.

Special Reports

Special Reports offers a detailed review of key market events. The three most recent articles are displayed in reverse chronological order. Archived articles are available through Search or by clicking **More Special Reports**.

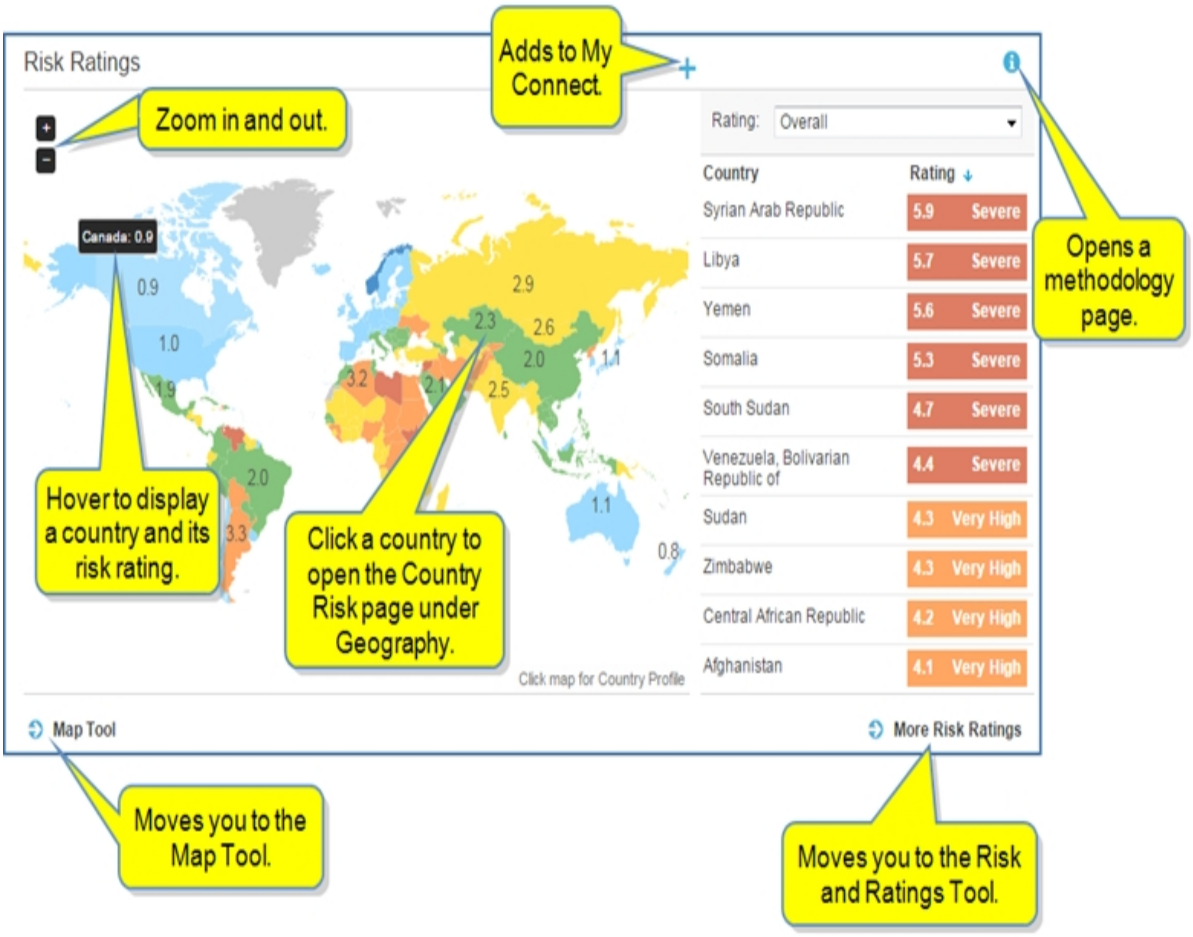
Review Searching in Connect for more information about Search.

Risk Ratings

Risk Ratings uses a Map to visualize country ratings, each based on 6 aggregates and 22 sub-aggregate risk categories.

You can zoom in or out of the map interface using the +/-. Hovering over a country on the map displays the country name and risk rating. When you click a country on the map, the Country Risk country page is displayed.

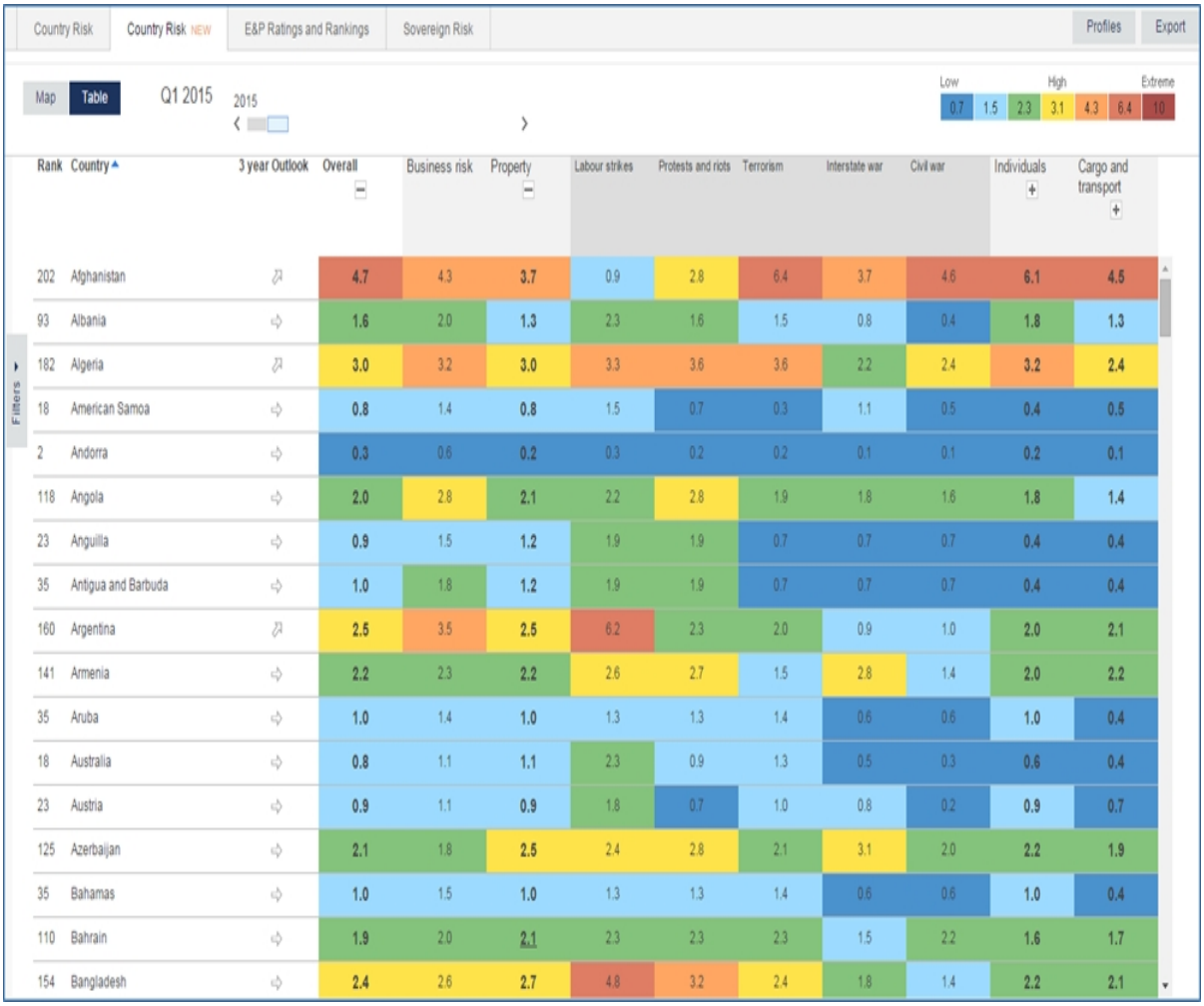
Map Tool seamlessly moves you to the Map tool where you have more options to display information. **More Risk Ratings** takes you to the Risks and Ratings tool.



Note: For more information about using the Map, review Working with the Map.

The league table lists countries by their ratings in categories from severe to low risk. When you select a rating category on the Country Risk table, all of the country ratings in both the league table and map are updated to reflect the current rating for the category you have chosen. You can change the sort order to list the countries from low risk to severe risk, as well.

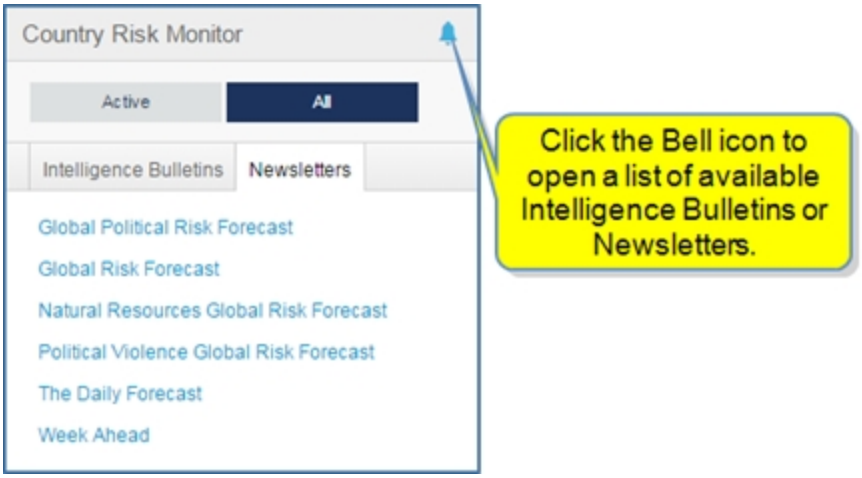
The **More Risk Rankings** link takes you to E&P Ratings and Rankings table on the Tools > Risks and Ratings page.



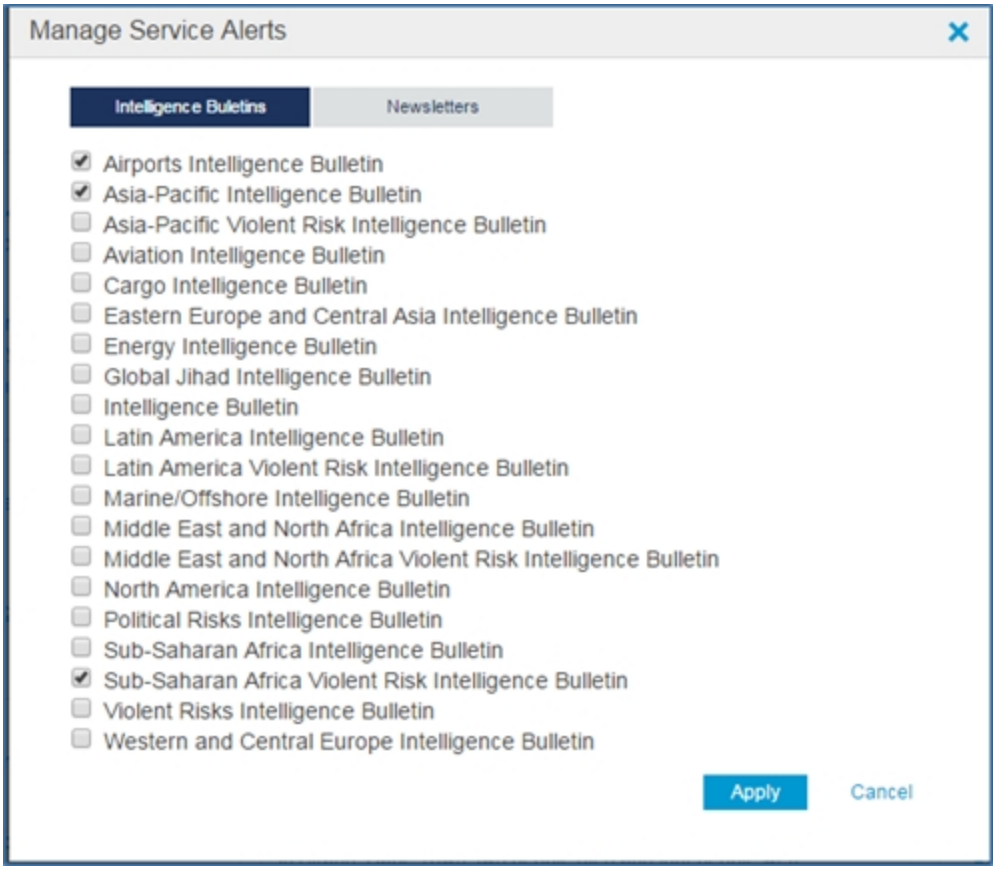
Country Risk Monitor

Country Risk Monitor provides quick access to Intelligence Bulletins and Newsletters. Intelligence Bulletins inform you of intelligence events, and Newsletters aggregate Headline Analysis. By clicking the Bell icon, you can select the topic areas where you want to receive email alerts. In addition to managing service alerts in the Country Risk Monitor feature, you can manage service alerts through My Connect / Service Alerts.

The first time you view Country Risk Monitor, it may show no items. Click the Bell icon to generate the available lists for Active / All and Intelligence Bulletins / Newsletters.



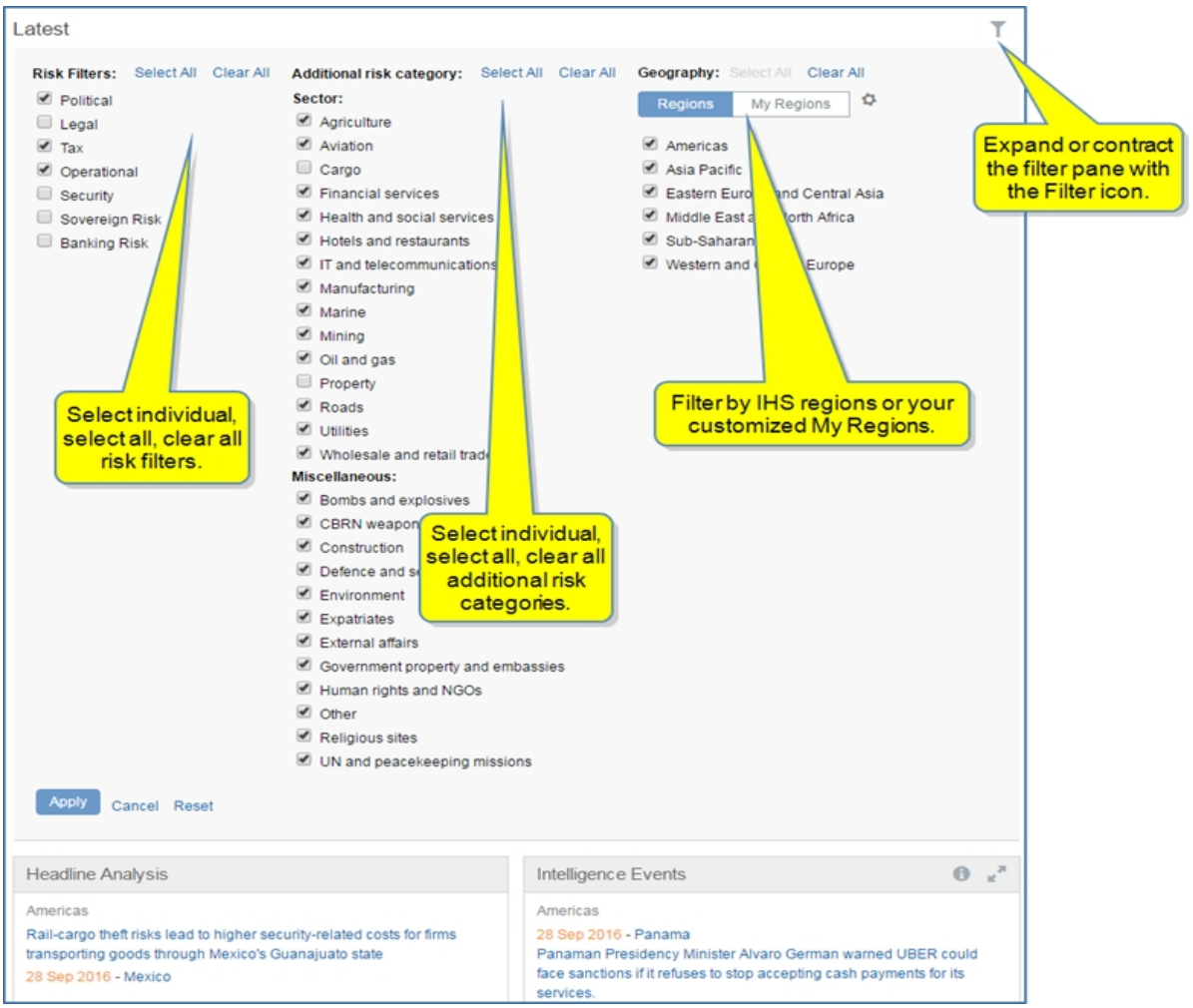
Clicking the Bell icon opens the Manage Service Alerts lists for Intelligence Bulletins and Newsletters.



Select the items you want to receive email alerts for, and then click **Apply**.

Headline Analysis

Headline Analysis articles are organized into risk regions in the global view. Headline Analysis provides daily analysis of country risk-relevant events worldwide, filterable by geography and risk category. You can use the multi-select risk and region filter to quickly sort and scan relevant headlines.



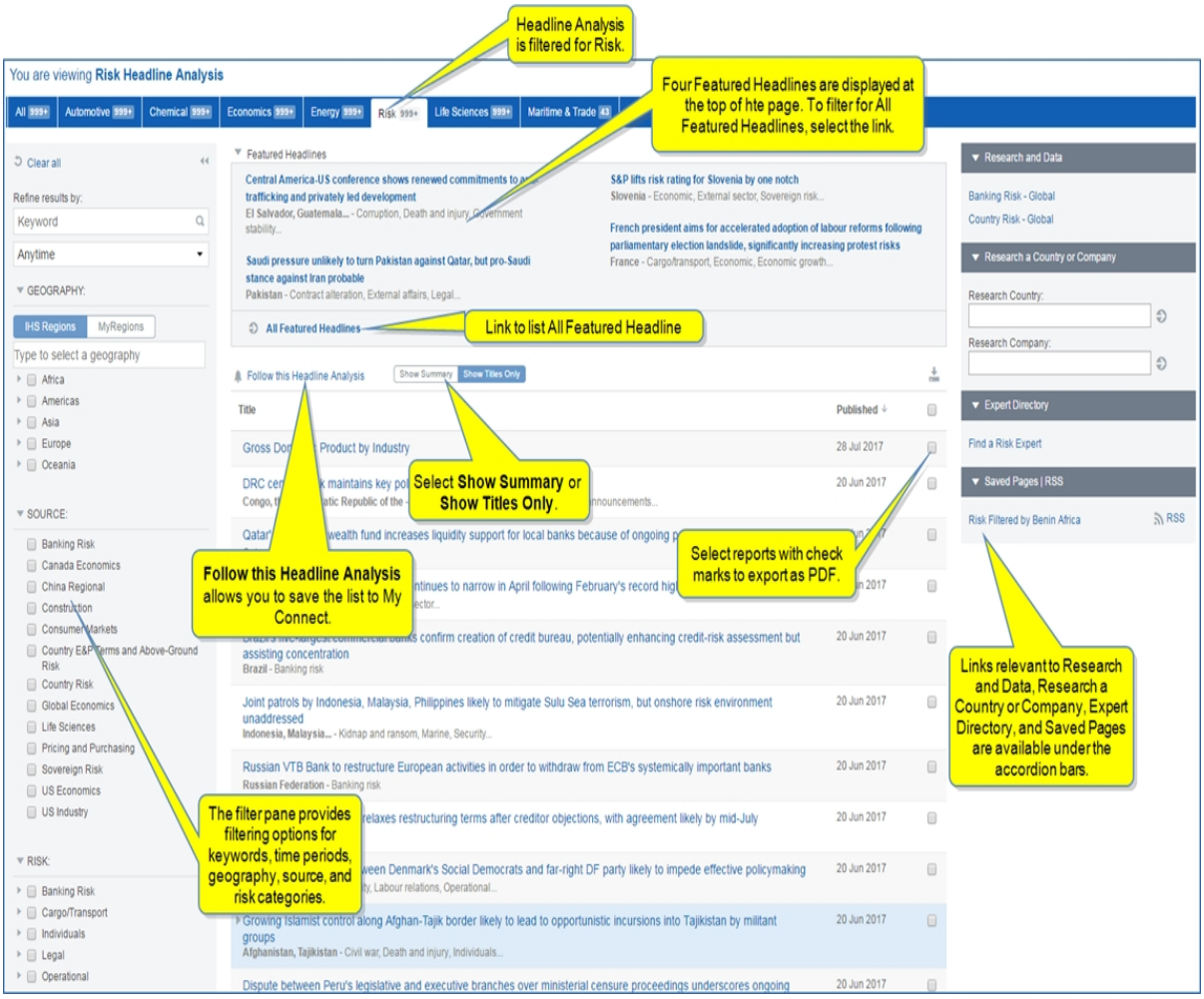
More Headline Analysis opens the full Headline Analysis page filtered for Risk research.

The left pane contains filters for keywords, time periods, geography, source, and other risk categories.

Once you have filtered results, you can save the created list by selecting **Follow this Headline Analysis**. Your saved pages are available under Saved Pages in the right pane as well as in My Connect.

Four Featured Headlines are displayed at the top of the middle pane. However, you can view all featured headlines by selection the **All Featured Headlines** link.

The export icons allow you to customize a download of articles by selecting all articles or deselecting all articles. When all articles are unselected, you can choose particular articles with a check mark. When you are satisfied with your selections, click the **Download** icon to create a PDF document.



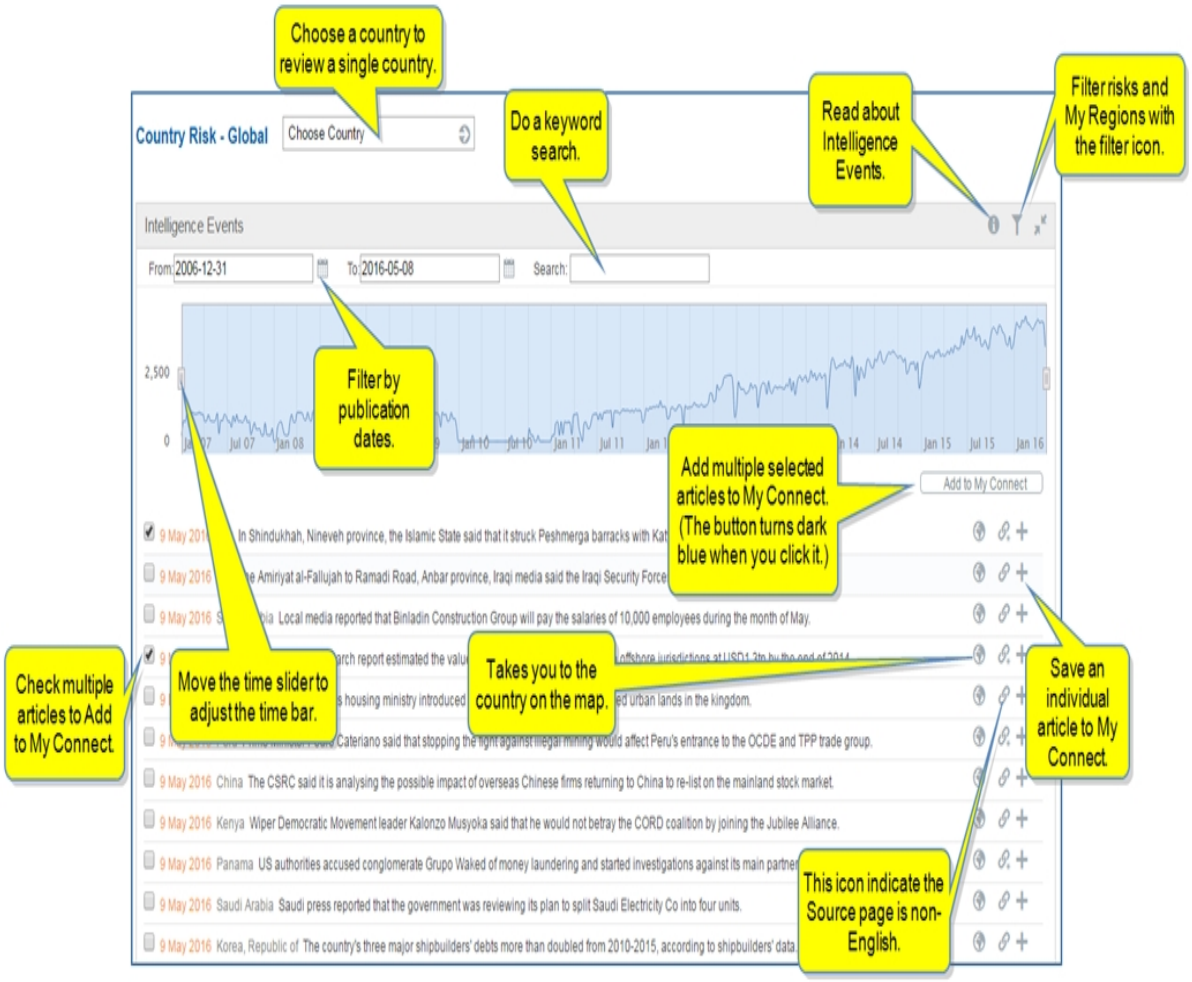
Intelligence Events

The Intelligence Events module lists events with a date, country, and a description of the event. The events are organized into risk regions. Each event displays a date and a country. When you click the country name, the country profile for that country is displayed.

You can view the risk regions and other filters by clicking the maximize icon , and then the Filter icon on the maximized page. The default displays all risk filters and regions. In the maximized view, you can use the multi-select risk and region filters to quickly sort and scan relevant intelligence events.

More Intelligence Events also opens the maximized view. To minimize the expanded view and return to the Country Risk - Global page and regional risk Intelligence Events, click the Minimize icon in the upper right corner.

In either view, action icons are displayed to the right of event document. Click the globe to view the event on the map. Click the source link to access the source story of the event or the plus sign (+) to save the event to My Connect.

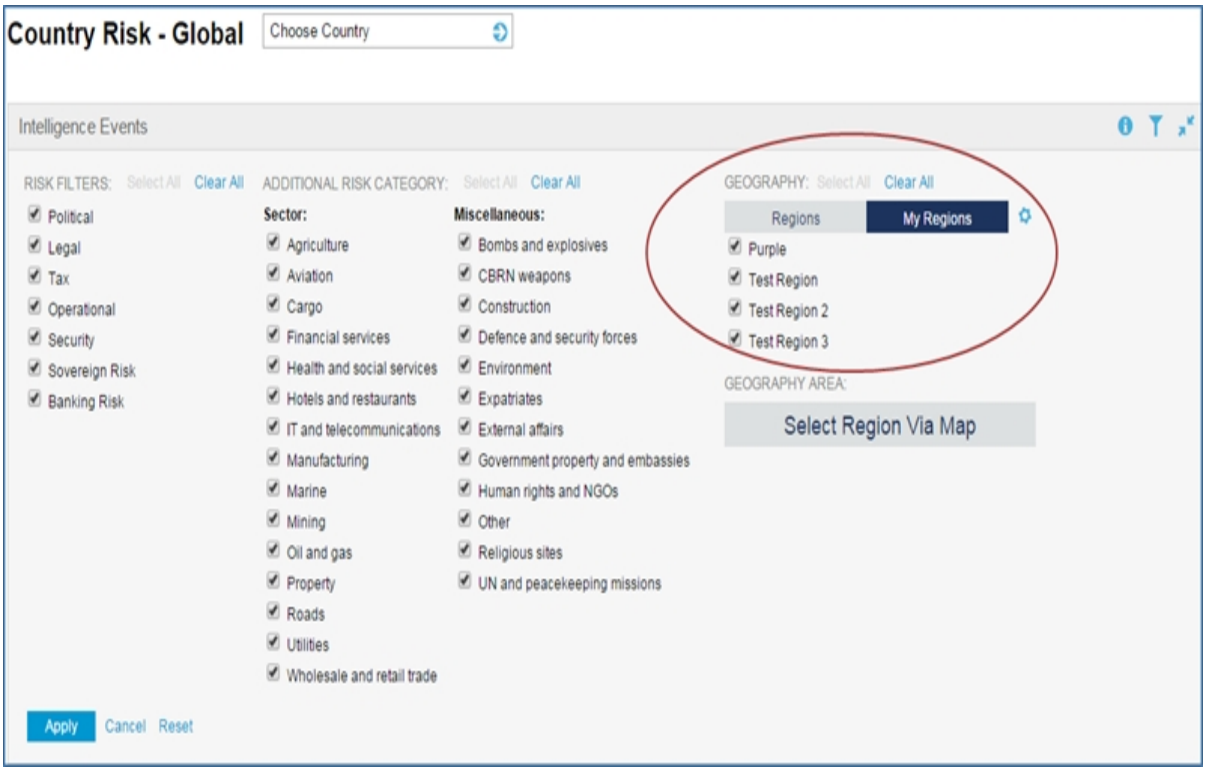


Use the My Regions feature to create custom regions.

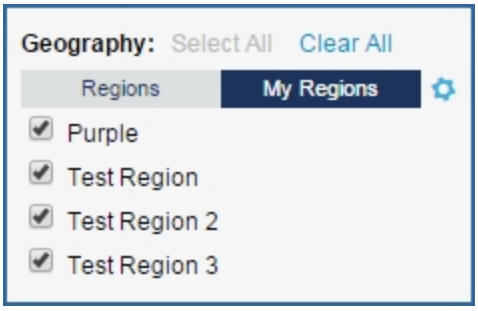
To create or edit your own region on the Intelligence Events maximized page

1. Select the Filter icon .

   My Regions is displayed under Geography.

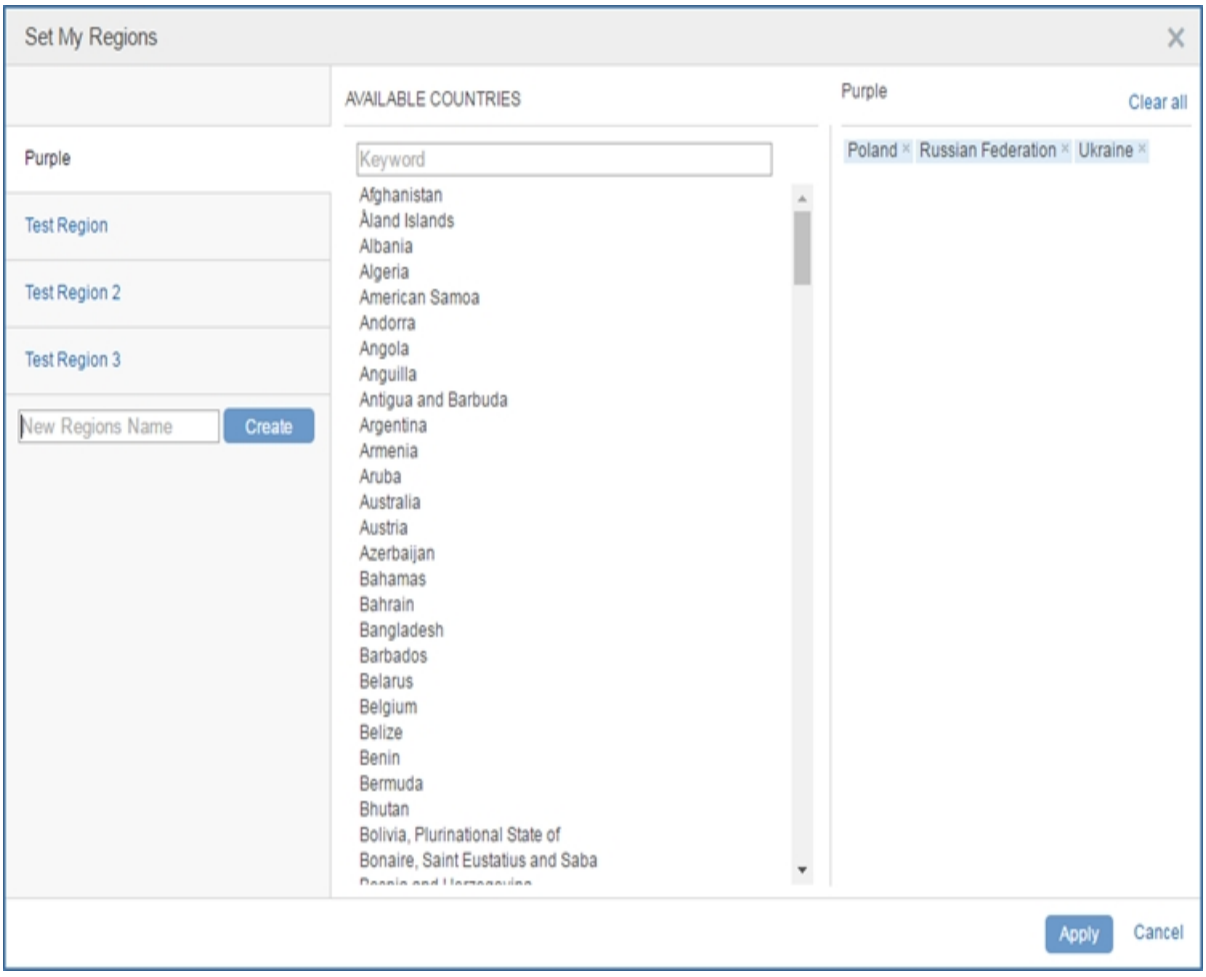


2. Select **My Regions**. A list of customized My Regions is displayed.

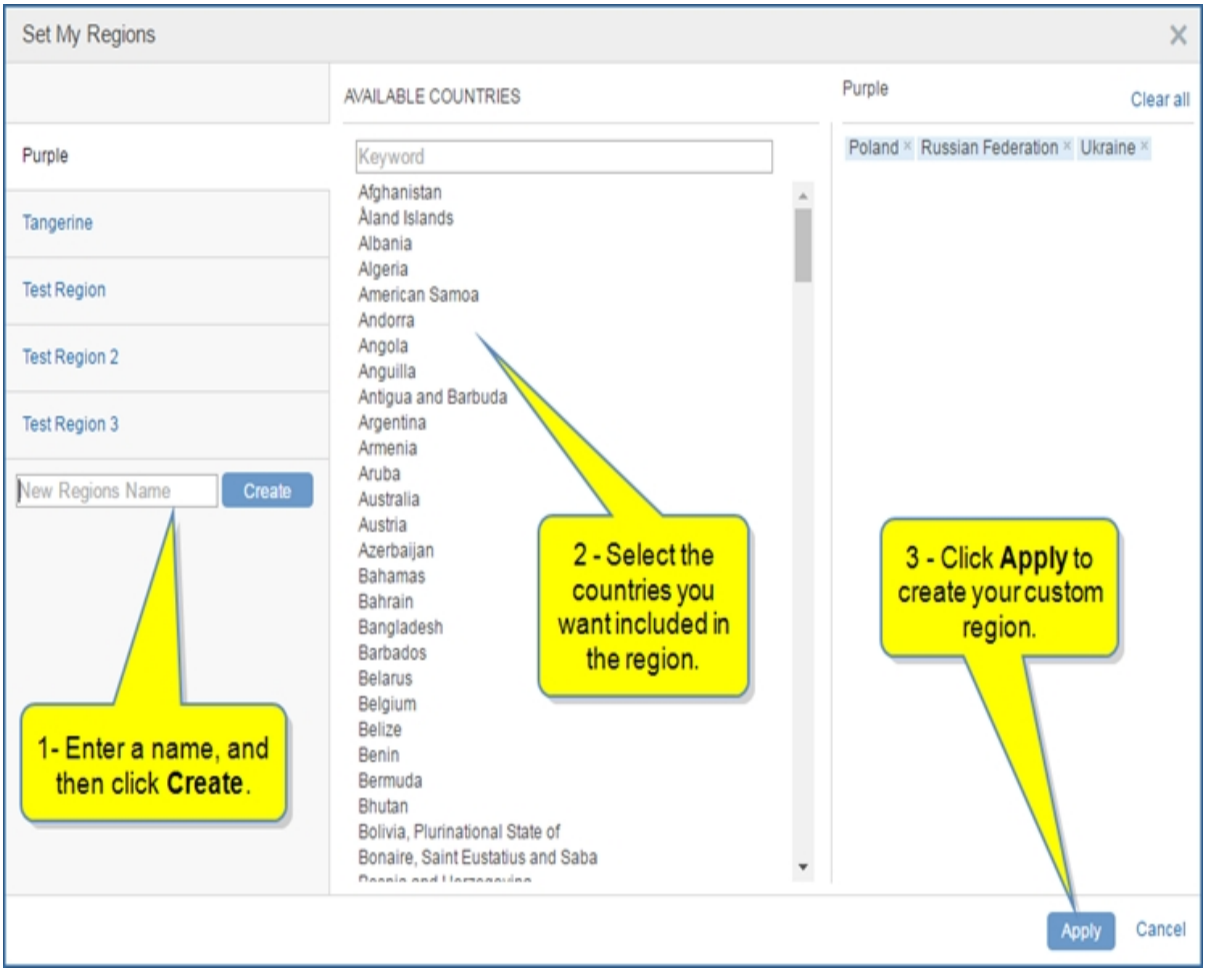


3. Click the gear icon to display the ***Set My Regions*** dialog.

   The ***Set My Regions*** dialog box is displayed. In the following example, there are four customized regions (My Region). After selecting a customized region on the list, you can delete any of the countries listed in the right pane by clicking the x, or you can remove all counties by clicking **Clear all**.



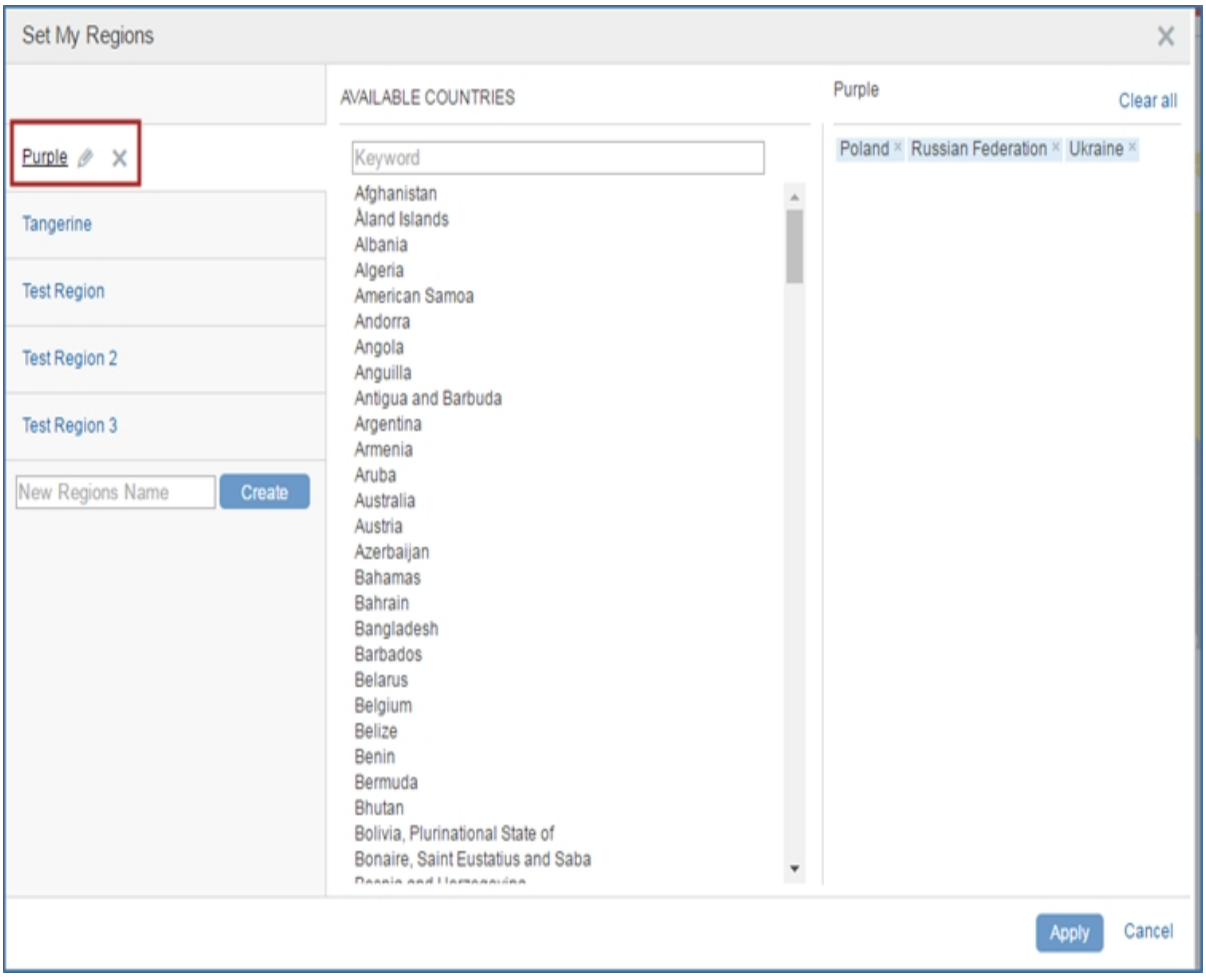
4. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected. In this example, the custom region is "Purple" and includes "Poland," "Russian Federation," and "Ukraine."

Clicking the gear icon to open ***Set My Regions*** displays the countries.

5. To Edit or Remove a custom region, click the gear icon, hover over the name of a region, and select the **Edit** or **Remove** icons.



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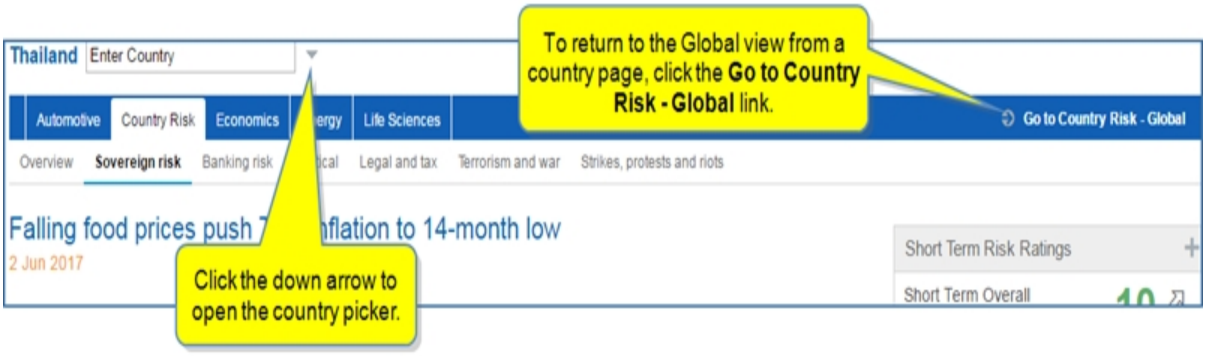
To read more about My Regions, see My Regions.

Country Risk - Country

When you open the Country Risk page from the Insight menu, the Global view is displayed. Should you choose a country, you will be moved into the Country Risk country page, also accessible under the Geography > Country Profile menu, where your most recent selection persists until you change it. You can toggle back to the Country Risk - Global page from a country page by clicking the **Go to Country Risk - Global** link.

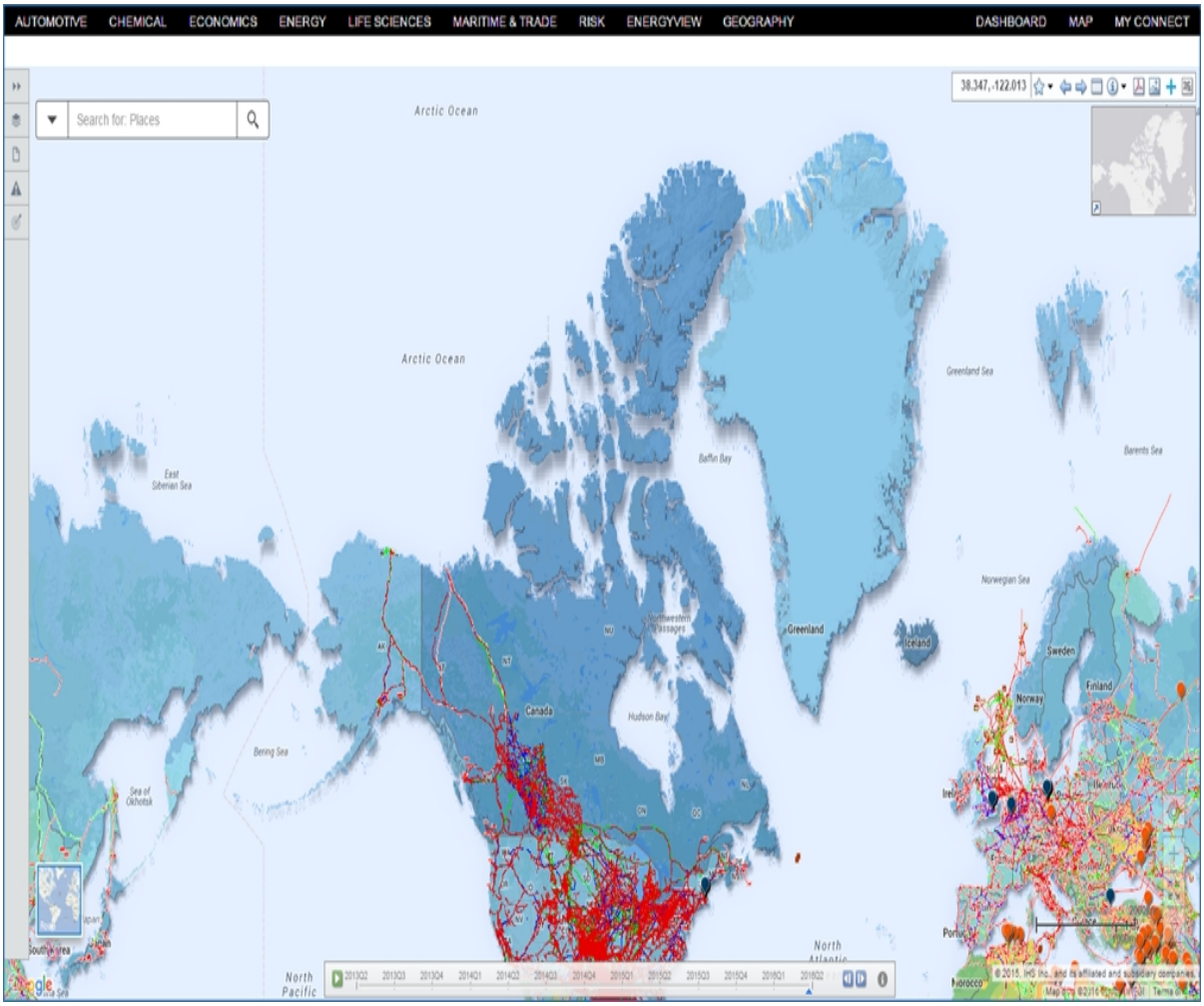
In the following example, Thailand is the selected country for a country risk page, and the option to return to the Global view appears as a link.



The country picker allows you to choose a country within a region or from a alphabetical list.

Map

The Map allows you to track risk developments and rating levels in a full-interactive global map. Note that functionality varies according to subscription. For information about using the Map, see Working with the Map.

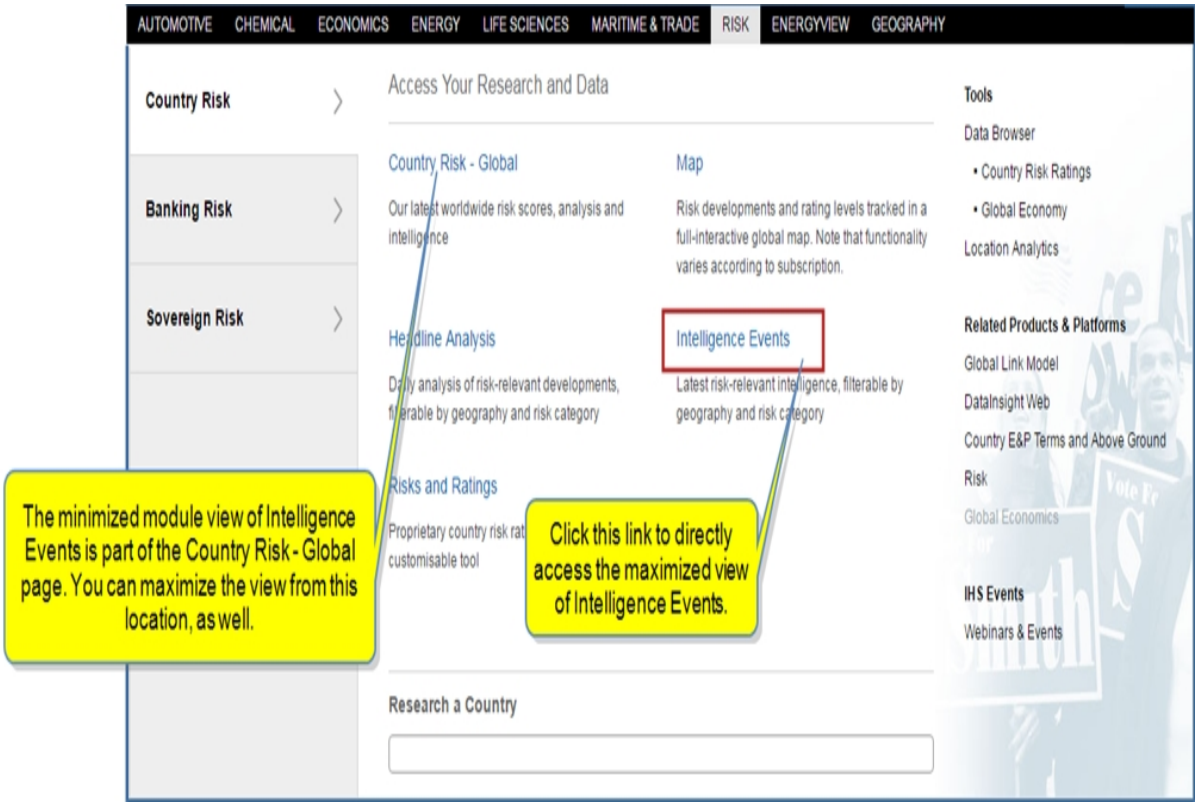


Headline Analysis

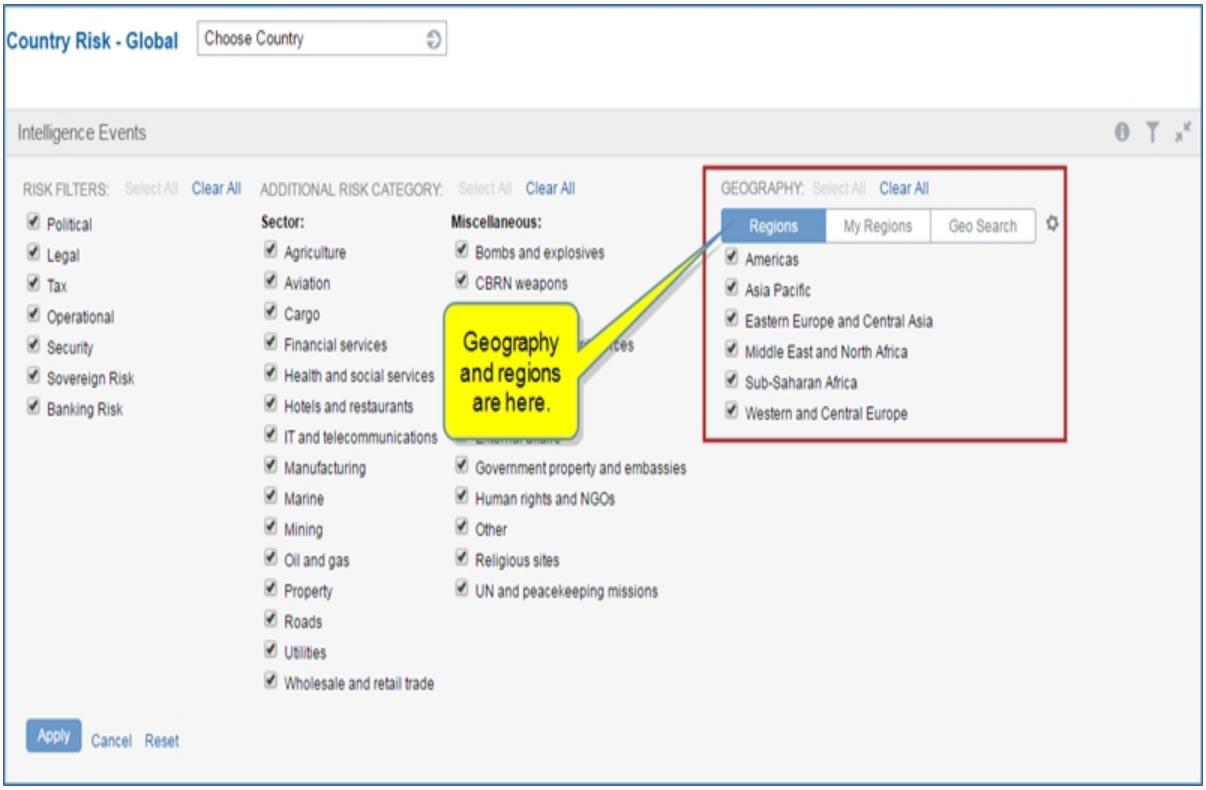
See Headline Analysis under the Country Risk - Global heading.

Intelligence Events

The Intelligence Events link on the megamenu for Risk takes you to a maximized view of Intelligence Events. The minimized view of Intelligence Events appears on the Country Risk - Global capacity page. You can reach the maximized view of Intelligence Events from the Country Risk - Global capacity page by clicking the Maximize icon. You can also reach the maximized view of Intelligence Events by clicking the **Intelligence Events** link on the Risk megamenu for the Country Risk sector.



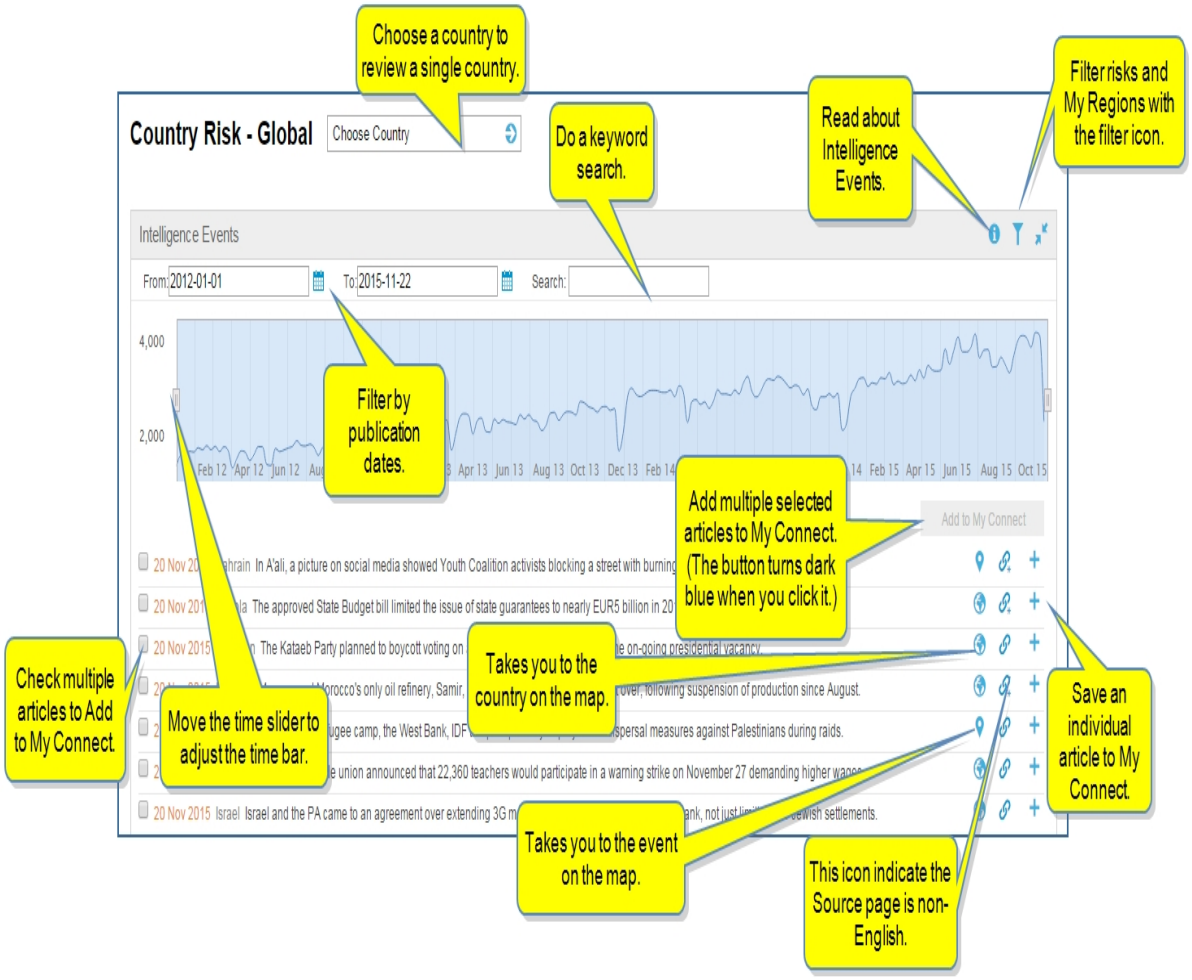
The Intelligence Events are organized into risk categories and regions. You can see a list of risk categories and regions under Geography when you click the Filter icon.



The default displays all risk filters and regions. Use the multi-select risk and region filters to quickly sort and scan relevant intelligence events.

The maximized view of **Intelligence Events** is displayed in the following graphic. To minimize the expanded view and return to the Country Risk - Global page and regional risk Intelligence Events, click the Minimize icon in the upper right corner.

Each event is listed with a date and a country. In the maximized view of Intelligence Events, the country listed is not linked to a country page. However, in the module view displayed on the Country Risk - Global capability page, you can click the country to open a country profile.



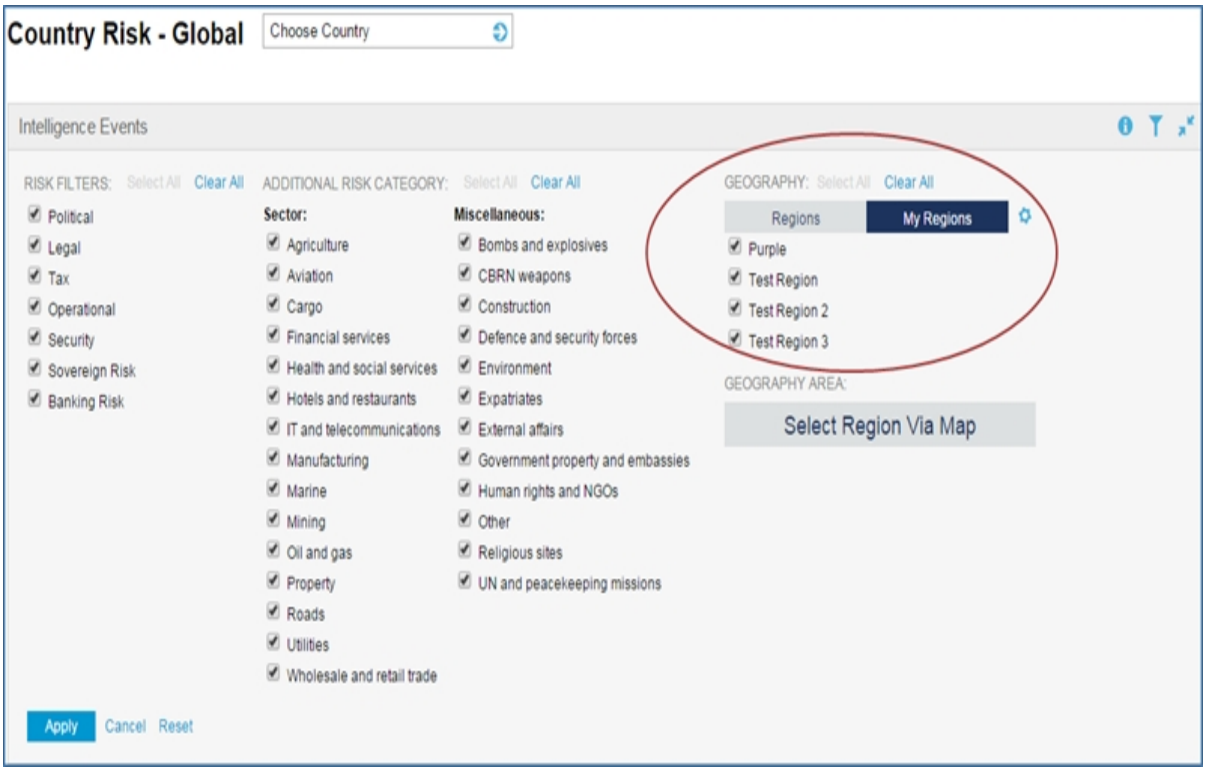
In either view, action icons are displayed to the right of the Intelligence Events. The globe takes you to the event on the map. The source link accesses the source story of the event, and the plus icon (+)opens the ***Save to My Connect*** dialog box.

You can use the My Regions filter on the maximized view of Intelligence Events, and you can create custom regions.

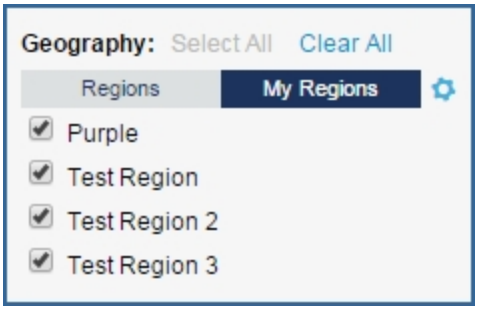
To create or edit your own region

1. Select the Filter icon.

   My Regions is displayed under Geography.

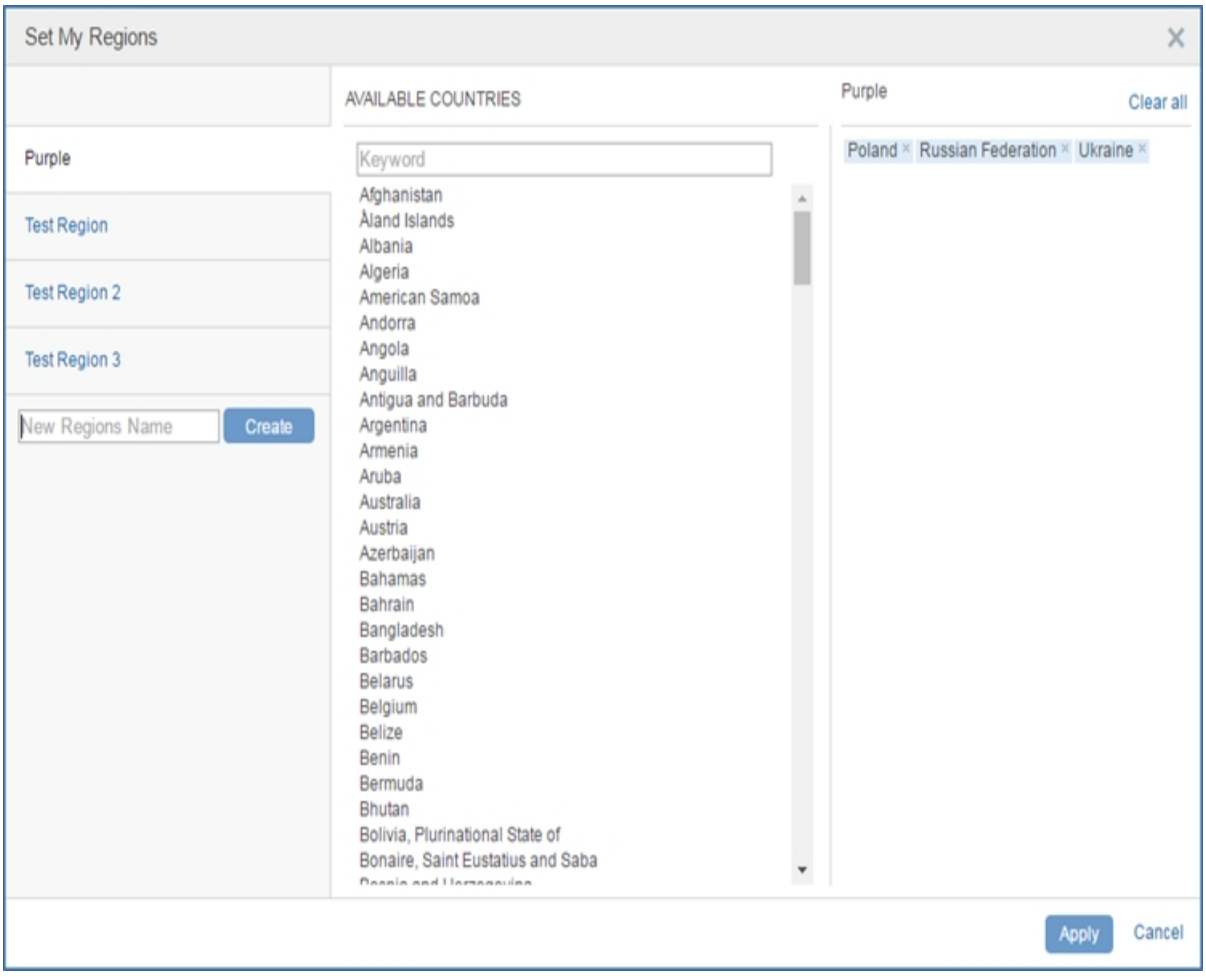


2. Select **My Regions**. A list of customized My Regions is displayed.

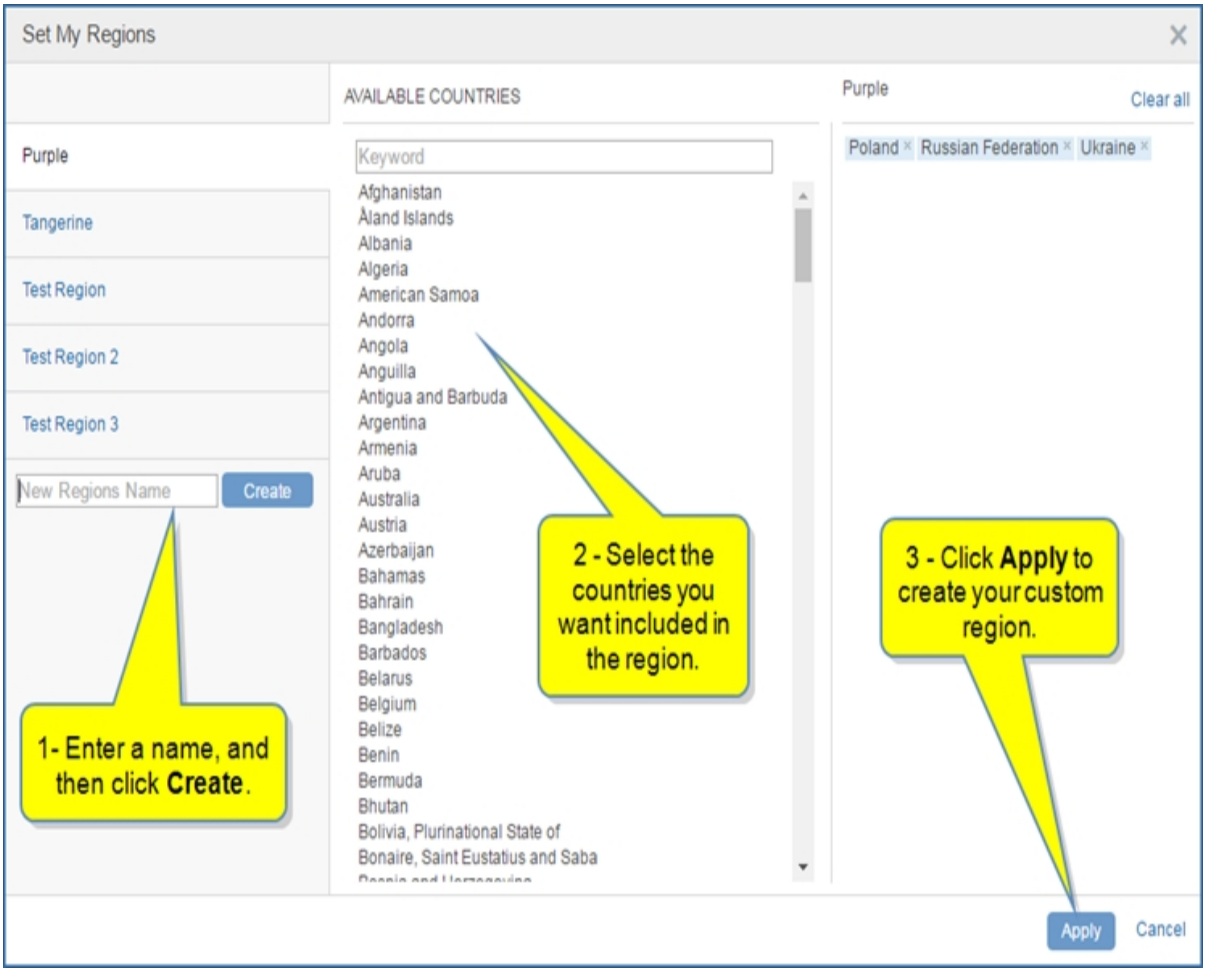


3. Click the gear icon to display the ***Set My Regions*** dialog.

   The ***Set My Regions*** dialog box is displayed. In the following example, there are four customized regions (My Region). After selecting a customized region on the list, you can delete any of the countries listed in the right pane by clicking the x, or you can remove all counties by clicking **Clear all**.



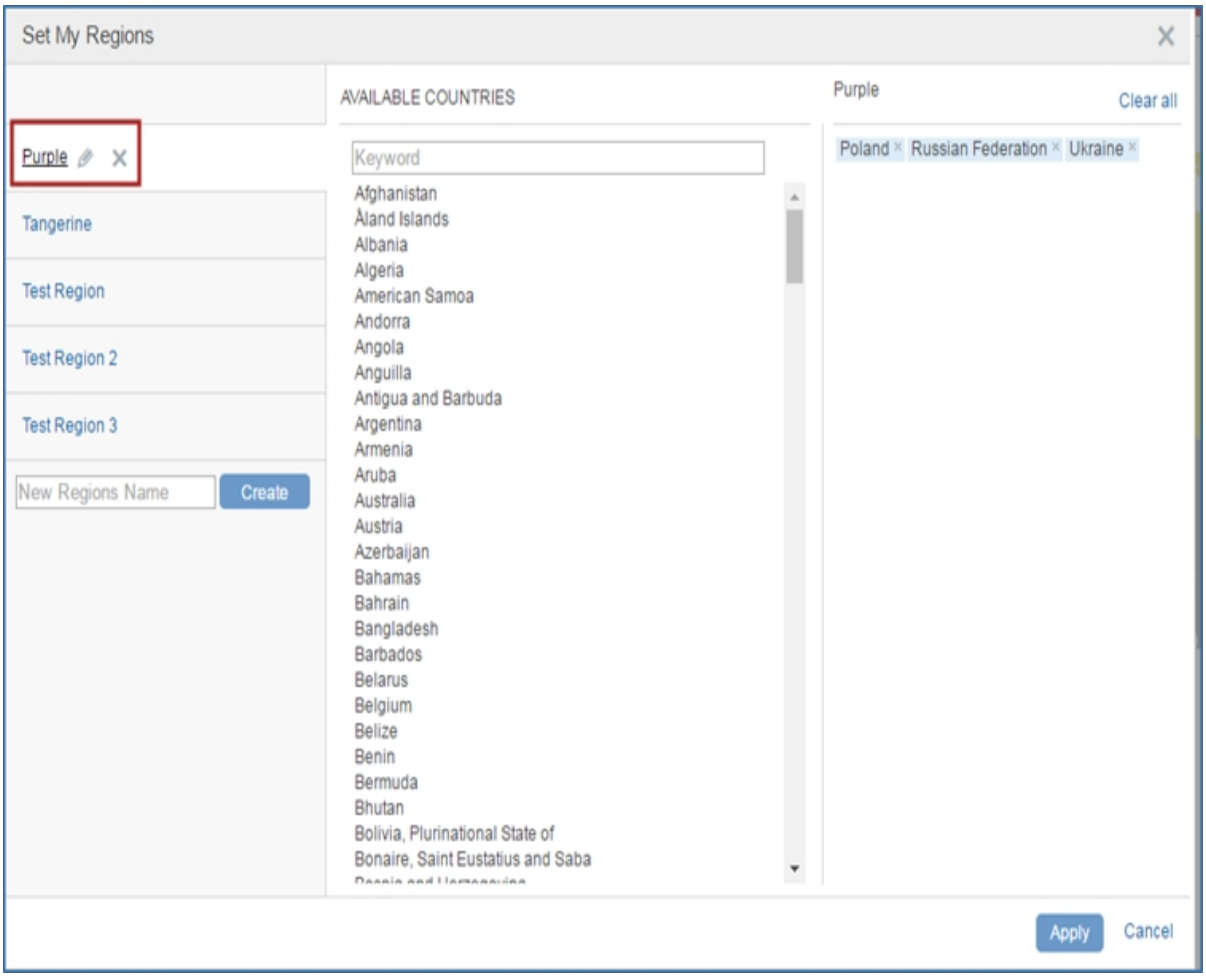
4. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected. In this example, the custom region is "Purple" and includes "Poland," "Russian Federation," and "Ukraine."

Clicking the gear icon to open Set My Regions displays the countries.

5. To Edit or Remove a custom region, click the gear icon, hover over the name of a region, and select the **Edit** or **Remove** icons.

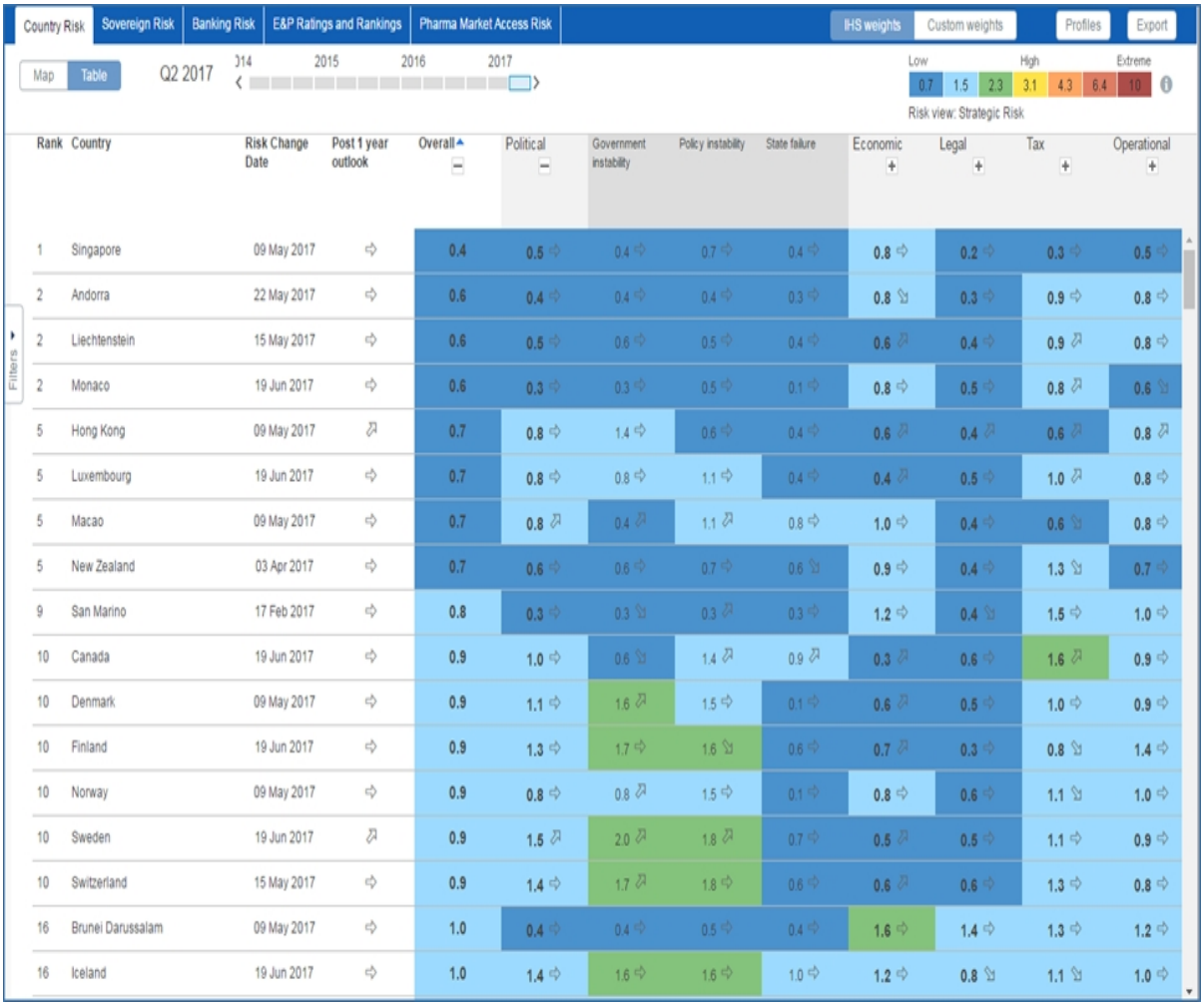


To read more about My Regions, go to My Regions.

Risks and Ratings

The Risks and Ratings table provides proprietary country risk ratings in an interactive and customizable tool.

For information about using the tool, see Risks and Ratings feature overview.



Rank	Country	Risk Change Date	Post 1 year outlook	Overall	Political	Government instability	Policy instability	State failure	Economic	Legal	Tax	Operational
1	Singapore	09 May 2017		0.4	0.5	0.4	0.7	0.4	0.8	0.2	0.3	0.5
2	Andorra	22 May 2017		0.6	0.4	0.4	0.4	0.3	0.8	0.3	0.9	0.8
2	Liechtenstein	15 May 2017		0.6	0.5	0.6	0.5	0.4	0.6	0.4	0.9	0.8
2	Monaco	19 Jun 2017		0.6	0.3	0.3	0.5	0.1	0.8	0.5	0.8	0.6
5	Hong Kong	09 May 2017		0.7	0.8	1.4	0.6	0.4	0.6	0.4	0.6	0.8
5	Luxembourg	19 Jun 2017		0.7	0.8	0.8	1.1	0.4	0.4	0.5	1.0	0.8
5	Macao	09 May 2017		0.7	0.8	0.4	1.1	0.8	1.0	0.4	0.6	0.8
5	New Zealand	03 Apr 2017		0.7	0.6	0.6	0.7	0.6	0.9	0.4	1.3	0.7
9	San Marino	17 Feb 2017		0.8	0.3	0.3	0.3	0.3	1.2	0.4	1.5	1.0
10	Canada	19 Jun 2017		0.9	1.0	0.6	1.4	0.9	0.3	0.6	1.6	0.9
10	Denmark	09 May 2017		0.9	1.1	1.6	1.5	0.1	0.6	0.5	1.0	0.9
10	Finland	19 Jun 2017		0.9	1.3	1.7	1.6	0.6	0.7	0.3	0.8	1.4
10	Norway	09 May 2017		0.9	0.8	0.8	1.5	0.1	0.8	0.6	1.1	1.0
10	Sweden	19 Jun 2017		0.9	1.5	2.0	1.8	0.7	0.5	0.5	1.1	0.9
10	Switzerland	15 May 2017		0.9	1.4	1.7	1.8	0.6	0.6	0.6	1.3	0.8
16	Brunei Darussalam	09 May 2017		1.0	0.4	0.4	0.5	0.4	1.6	1.4	1.3	1.2
16	Iceland	19 Jun 2017		1.0	1.4	1.6	1.6	1.0	1.2	0.8	1.1	1.0

Special Topic: Brexit

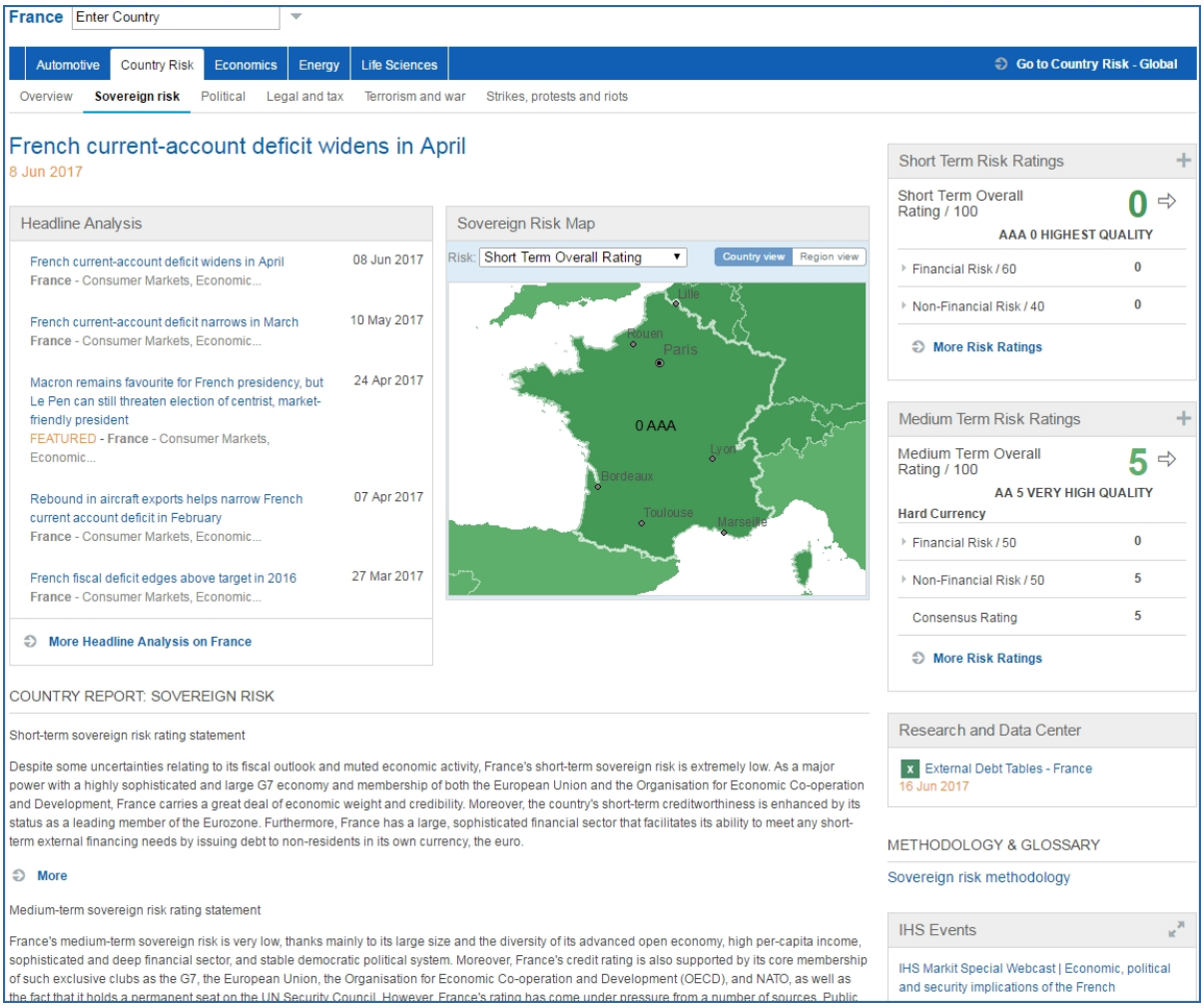
This special topic contains IHS Markit's analysis of the national and global implication of the UK's decision to leave the EU.

Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



Accessing information about tools

Linked tools are available in the right pane of Country Risk, Banking, and Sovereign megamenu.

Data Browser opens the main Data Browser tool. **Country Risk Ratings** and **Global Economy** take you to the query page for these datasets in Data Browser.

The **Location Analytics** tool allows you to conduct risk analysis of a portfolio of locations previously uploaded to My Connect / My Locations. Once you identify asset locations and save the location groups, Location Analytics provides the context to analyze and compare violent risk conditions. You can chart information, create model scenarios, and view asset locations in a context with other map characteristics and assets. Once you create sophisticated scenario models, you can save them to My Connect and add them to Report Builder.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

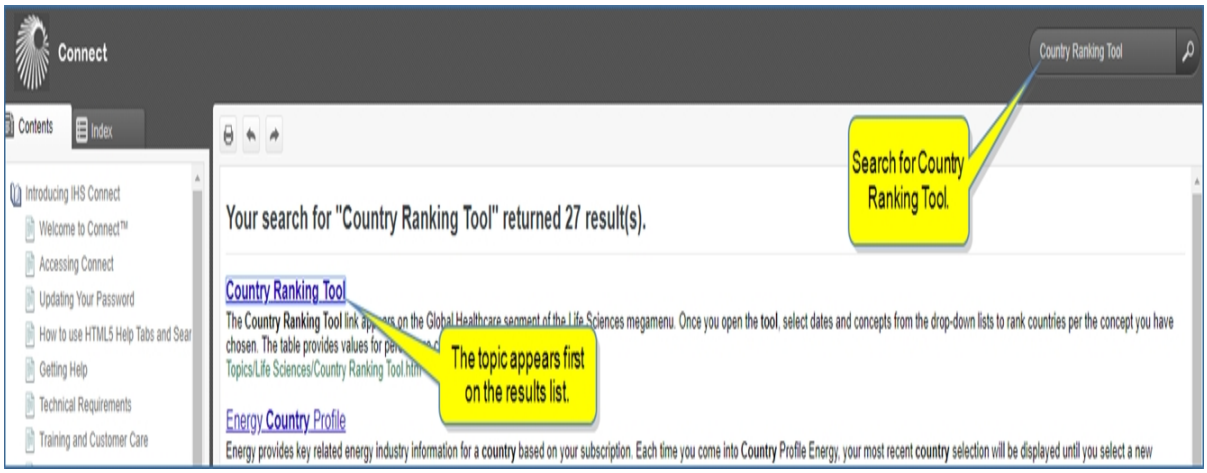
Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

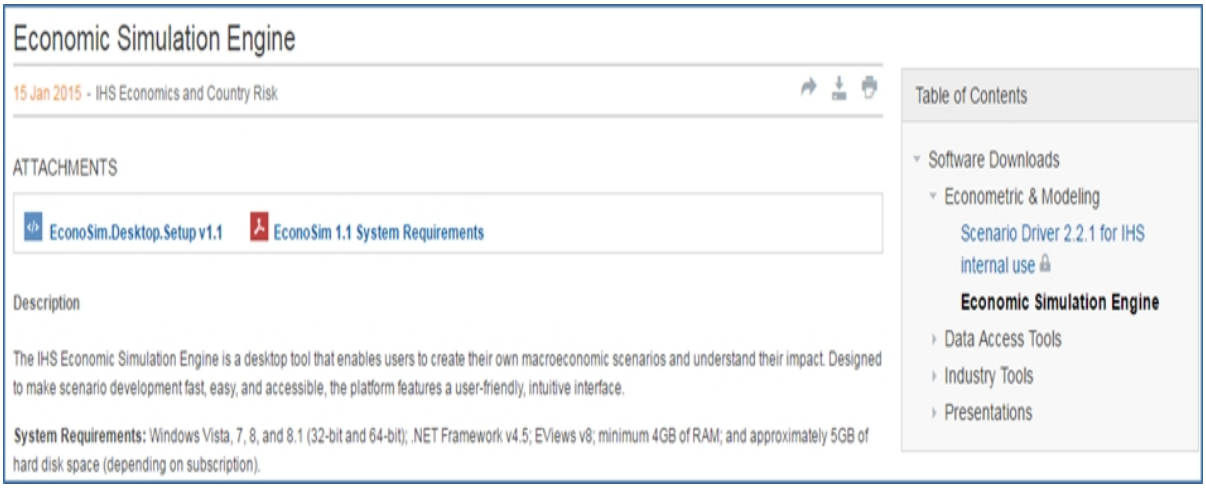
You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.



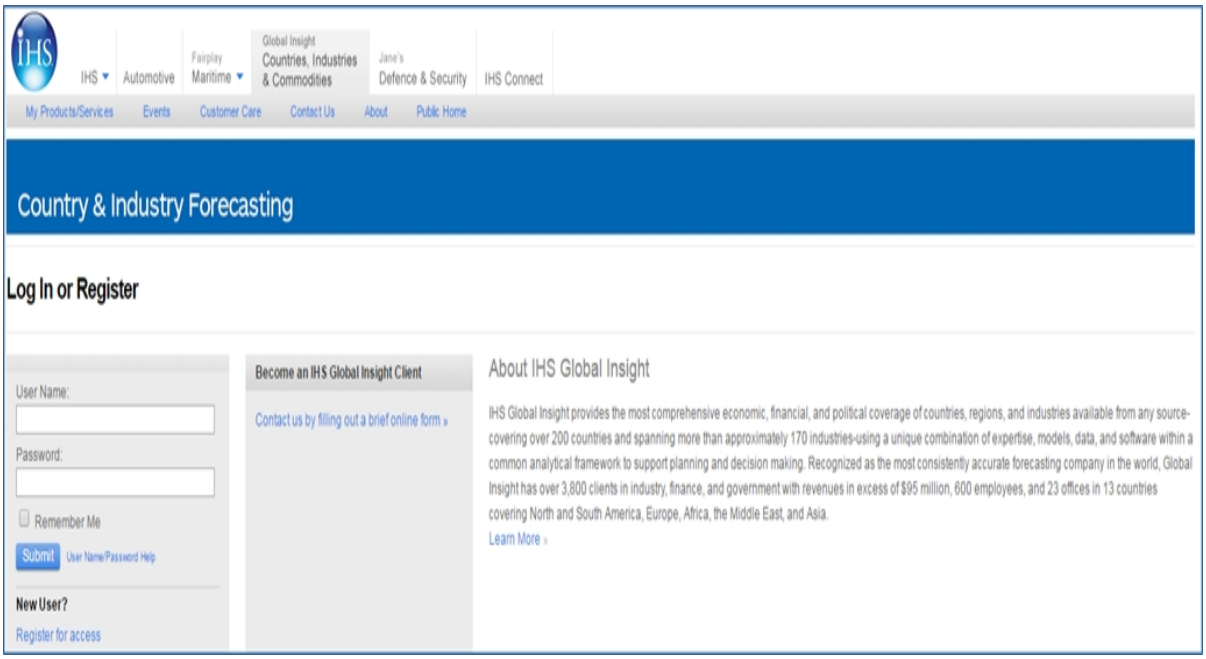
Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of IHS Connect.

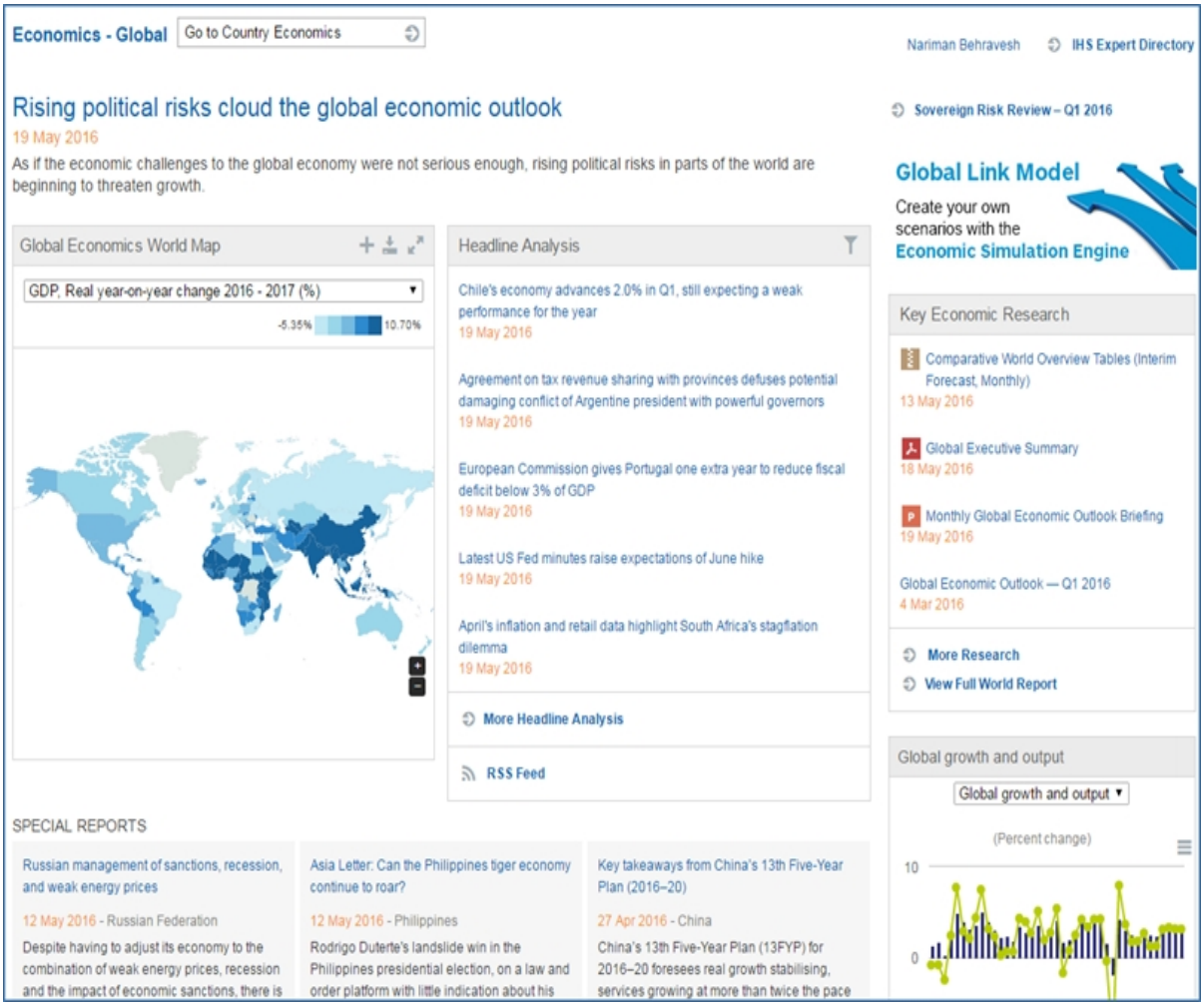
Global Link Model is an application you can download for Econometric & Modeling



Data Insight Web takes you to a Global Insight tool for Country & Industry Forecasting. You need a User Name and Password for this application.



Global Economics takes you to the Economics - Global page in IHS Connect.



E&P Terms and Above Ground Risk takes you to Country E&P Terms and Above-Ground research page.

IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to country risk.

Banking Risk

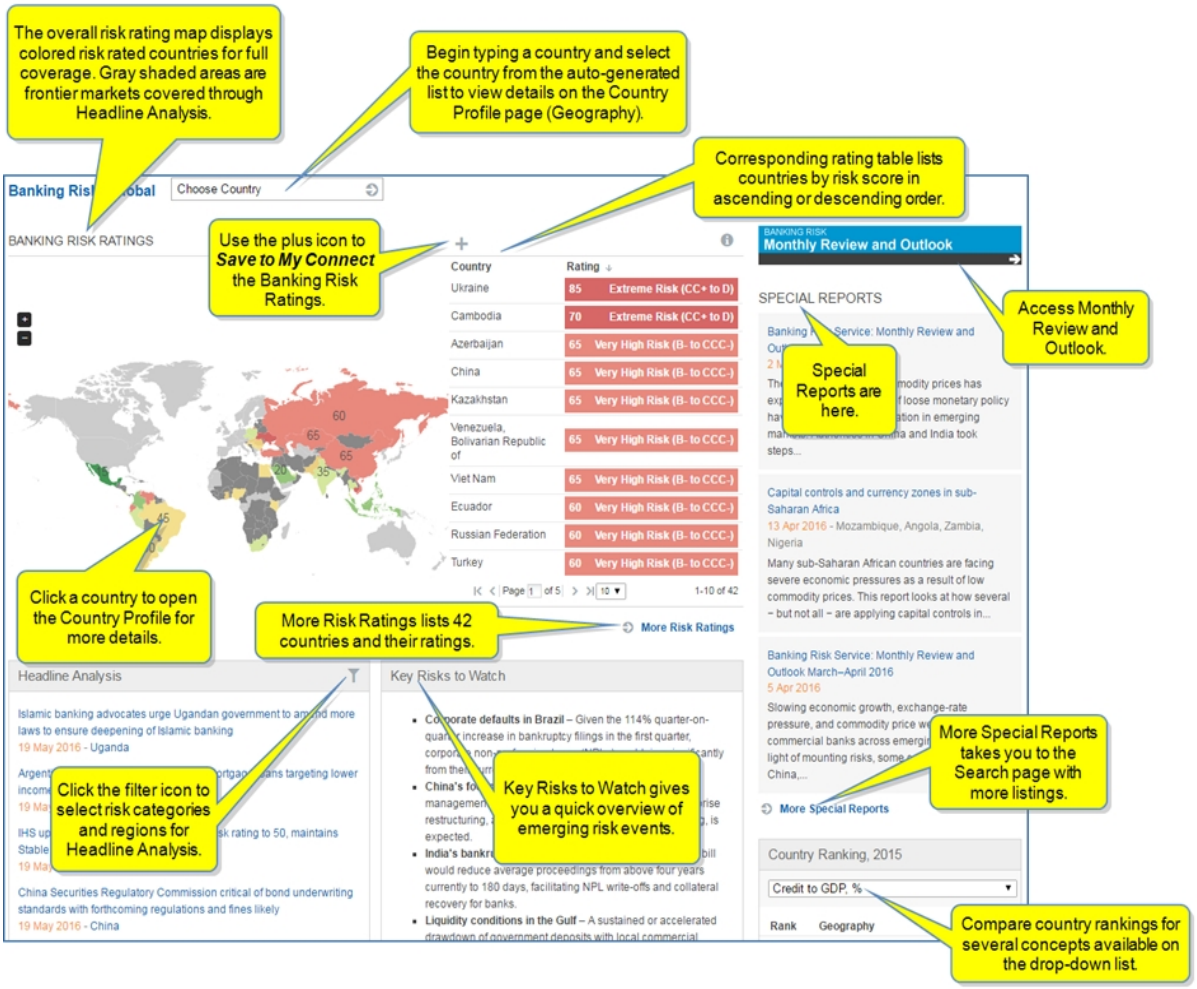
From the Banking Risk segment on the risk megamenu access the following pages:

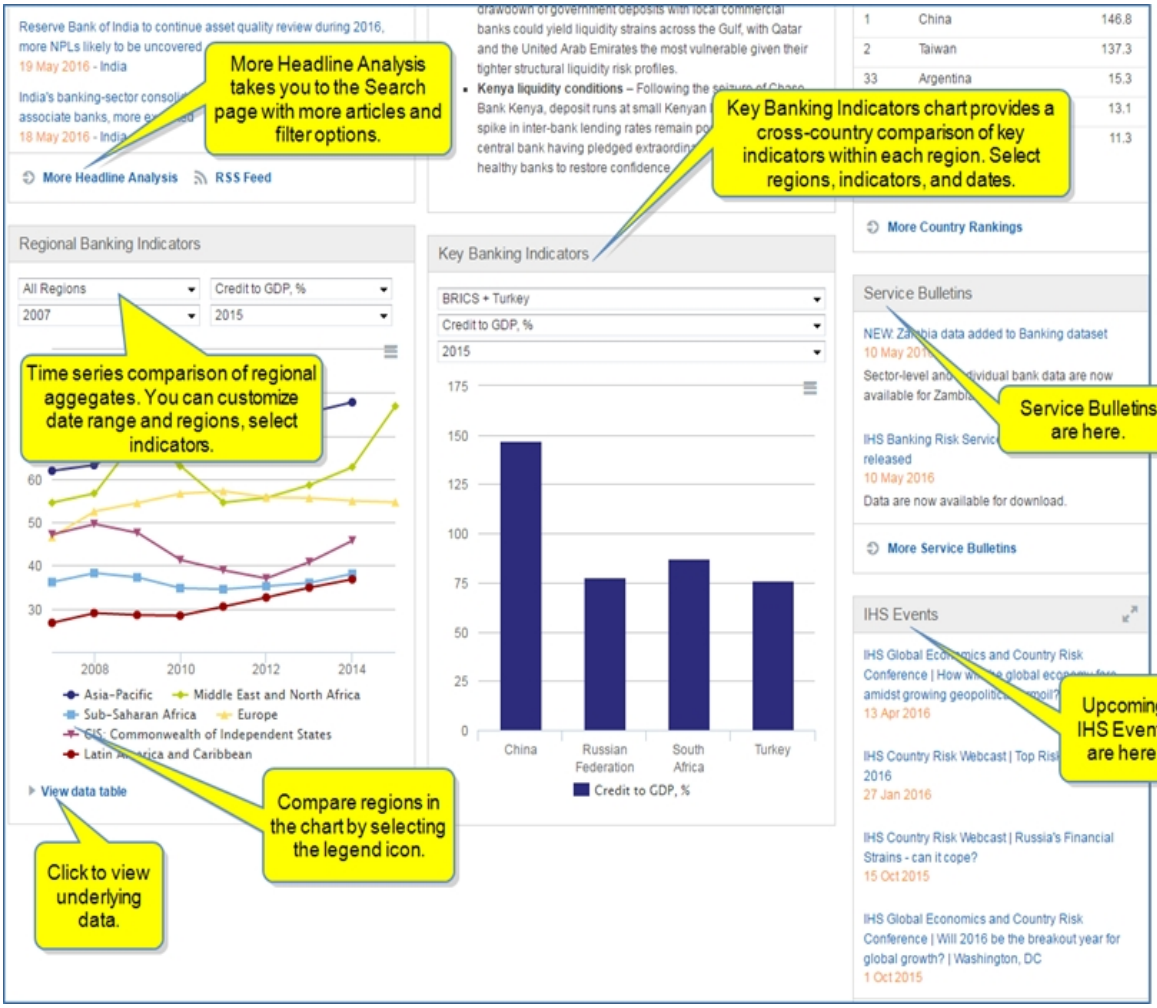
- Banking Risk - Global
- Risks and Ratings
- Headline Analysis
- Country Ranking
- Special Topic: Brexit
- Research a Country
- Accessing information about tools
- Related Products & Platforms
- IHS Events

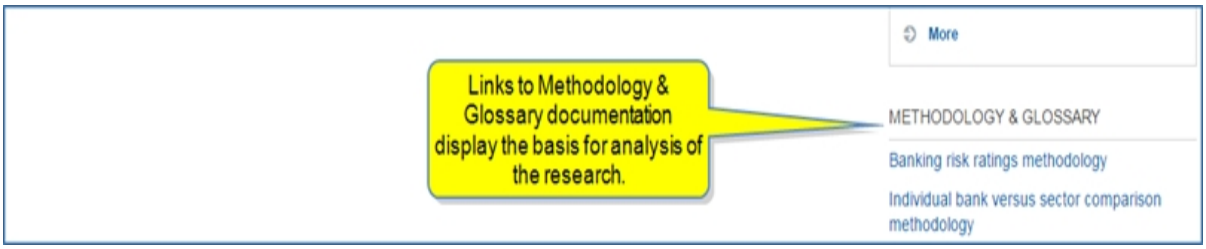
For detailed information about tools, review the Risk megamenu overview and Accessing information about tools below.

Banking Risk - Global

Banking Risk - Global provides daily analysis of risk-relevant developments affecting the latest global banking risk analysis, data, and risk ratings. You also have access to country pages.


The overall risk rating map displays colored risk rated countries for full coverage. Gray shaded areas are frontier markets covered through Headline Analysis.
Begin typing a country and select the country from the auto-generated list to view details on the Country Profile page (Geography).
Corresponding rating table lists countries by risk score in ascending or descending order.
Use the plus icon to Save to My Connect the Banking Risk Ratings.
Access Monthly Review and Outlook.
Special Reports are here.
Click a country to open the Country Profile for more details.
More Risk Ratings lists 42 countries and their ratings.
Click the filter icon to select risk categories and regions for Headline Analysis.
Key Risks to Watch gives you a quick overview of emerging risk events.
More Special Reports takes you to the Search page with more listings.
Compare country rankings for several concepts available on the drop-down list.
Choose Country
BANKING RISK RATINGS
Country
Rating
Ukraine 85 Extreme Risk (CC+ to D)
Cambodia 70 Extreme Risk (CC+ to D)
Azerbaijan 65 Very High Risk (B- to CCC-)
China 65 Very High Risk (B- to CCC-)
Kazakhstan 65 Very High Risk (B- to CCC-)
Venezuela, Bolivarian Republic of 65 Very High Risk (B- to CCC-)
Viet Nam 65 Very High Risk (B- to CCC-)
Ecuador 60 Very High Risk (B- to CCC-)
Russian Federation 60 Very High Risk (B- to CCC-)
Turkey 60 Very High Risk (B- to CCC-)
1-10 of 42
More Risk Ratings
BANKING RISK
Monthly Review and Outlook
SPECIAL REPORTS
Capital controls and currency zones in sub-Saharan Africa
13 Apr 2016 - Mozambique, Angola, Zambia, Nigeria
Many sub-Saharan African countries are facing severe economic pressures as a result of low commodity prices. This report looks at how several – but not all – are applying capital controls in...
Banking Risk Service: Monthly Review and Outlook March–April 2016
5 Apr 2016
More Special Reports
Headline Analysis
Islamic banking advocates urge Ugandan government to amend more laws to ensure deepening of Islamic banking
19 May 2016 - Uganda
China Securities Regulatory Commission critical of bond underwriting standards with forthcoming regulations and fines likely
19 May 2016 - China
Key Risks to Watch
Country Ranking, 2015
Credit to GDP, %
Rank
Geography





Review Searching in Connect for more information about Search.

The following modules are available on the Banking Risk - Global page:

- Standard modules: Headline Analysis, Service Bulletins, IHS Events, and Methodology & Glossary.
- Banking Risk Ratings
- Special Reports
- Key Risks to Watch
- Country Ranking
- Regional Banking Indicators

- Key Banking Indicators
- Risks and Ratings

Banking Risk Ratings

Banking Risk Ratings are presented in a map view and a table view. You can zoom in or out of the map. You can list the countries and their ratings in ascending or descending order, and you can view More Risk Ratings for the full list of 42 countries covered. The plus icon allows you to **Save to My Connect**. When you click a particular country on the map, the details for that country are displayed on the Geography > Country Profile page.

Special Reports

Contained in the Special Reports pane are links to current, relevant articles, a link to the current Monthly Review and Outlook publication, and a link to **More Special Reports**.

Key Risks to Watch

Key Risks to Watch alerts you to emerging risk events with a bulleted overview.

Country Ranking

Compare country ranking for several concepts available in the drop-down list.

Regional Banking Indicators

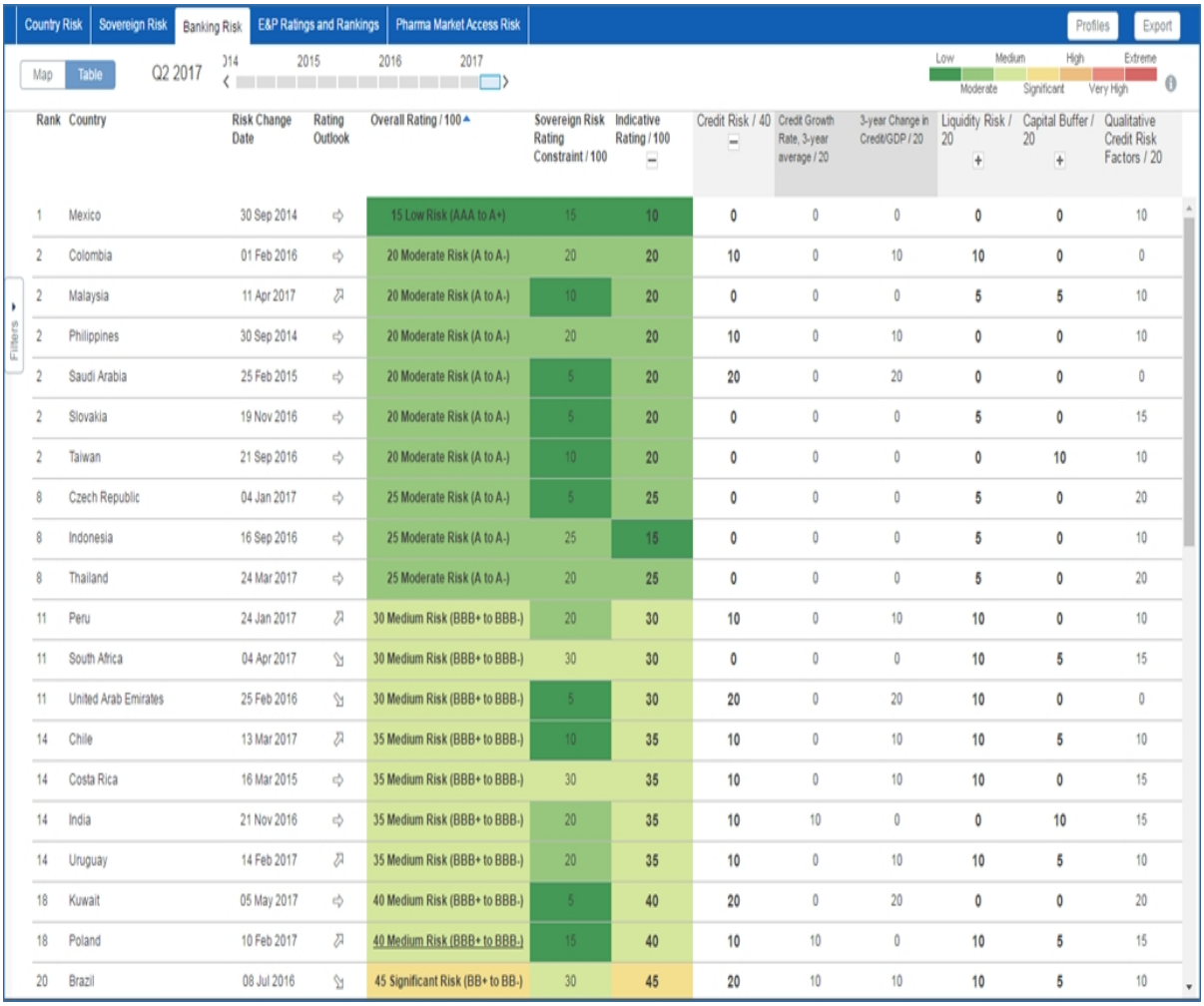
You can customize date range and regions, and select indicators for a time series comparison of regional aggregates.

Key Banking Indicators

Key Banking Indicators is a chart that provides a cross-country comparison of key indicators within each region. Here, you select regions, indicators, and dates.

Risks and Ratings

The Risks and Ratings table provides proprietary banking risk ratings in an interactive and customizable tool. For information about using the tool, see Risks and Ratings feature overview.



Rank	Country	Risk Change Date	Rating Outlook	Overall Rating / 100	Sovereign Risk Rating Constraint / 100	Indicative Rating / 100	Credit Risk / 40	Credit Growth Rate, 3-year average / 20	3-year Change in Credit/GDP / 20	Liquidity Risk / 20	Capital Buffer / 20	Qualitative Credit Risk Factors / 20
1	Mexico	30 Sep 2014		15 Low Risk (AAA to A+)	15	10	0	0	0	0	0	10
2	Colombia	01 Feb 2016		20 Moderate Risk (A to A-)	20	20	10	0	10	10	0	0
2	Malaysia	11 Apr 2017		20 Moderate Risk (A to A-)	10	20	0	0	0	5	5	10
2	Philippines	30 Sep 2014		20 Moderate Risk (A to A-)	20	20	10	0	10	0	0	10
2	Saudi Arabia	25 Feb 2015		20 Moderate Risk (A to A-)	5	20	20	0	20	0	0	0
2	Slovakia	19 Nov 2016		20 Moderate Risk (A to A-)	5	20	0	0	0	5	0	15
2	Taiwan	21 Sep 2016		20 Moderate Risk (A to A-)	10	20	0	0	0	0	10	10
8	Czech Republic	04 Jan 2017		25 Moderate Risk (A to A-)	5	25	0	0	0	5	0	20
8	Indonesia	16 Sep 2016		25 Moderate Risk (A to A-)	25	15	0	0	0	5	0	10
8	Thailand	24 Mar 2017		25 Moderate Risk (A to A-)	20	25	0	0	0	5	0	20
11	Peru	24 Jan 2017		30 Medium Risk (BBB+ to BBB-)	20	30	10	0	10	10	0	10
11	South Africa	04 Apr 2017		30 Medium Risk (BBB+ to BBB-)	30	30	0	0	0	10	5	15
11	United Arab Emirates	25 Feb 2016		30 Medium Risk (BBB+ to BBB-)	5	30	20	0	20	10	0	0
14	Chile	13 Mar 2017		35 Medium Risk (BBB+ to BBB-)	10	35	10	0	10	10	5	10
14	Costa Rica	16 Mar 2015		35 Medium Risk (BBB+ to BBB-)	30	35	10	0	10	10	0	15
14	India	21 Nov 2016		35 Medium Risk (BBB+ to BBB-)	20	35	10	10	0	0	10	15
14	Uruguay	14 Feb 2017		35 Medium Risk (BBB+ to BBB-)	20	35	10	0	10	10	5	10
18	Kuwait	05 May 2017		40 Medium Risk (BBB+ to BBB-)	5	40	20	0	20	0	0	20
18	Poland	10 Feb 2017		40 Medium Risk (BBB+ to BBB-)	15	40	10	10	0	10	5	15
20	Brazil	08 Jul 2016		45 Significant Risk (BB+ to BB-)	30	45	20	10	10	10	5	10

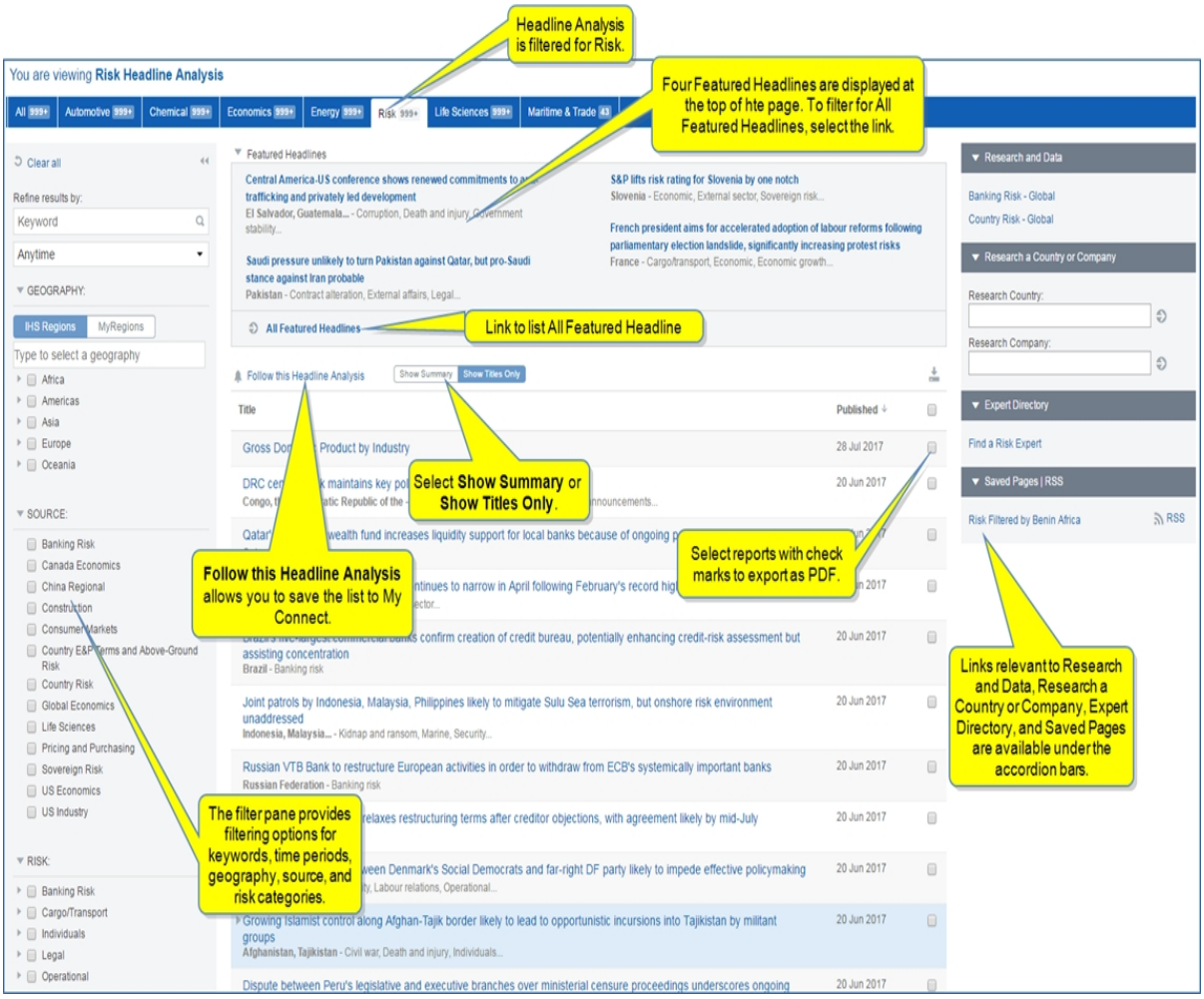
Headline Analysis

Headline Analysis provides daily analysis of banking risk-relevant events worldwide, filterable by geography and risk category. The left pane contains filters for keywords, time periods, geography, source, and other risk categories.

Once you have filtered results, you can save the created list by selecting **Follow this Headline Analysis**. Your saved pages are available under Saved Pages in the right pane as well as in My Connect.

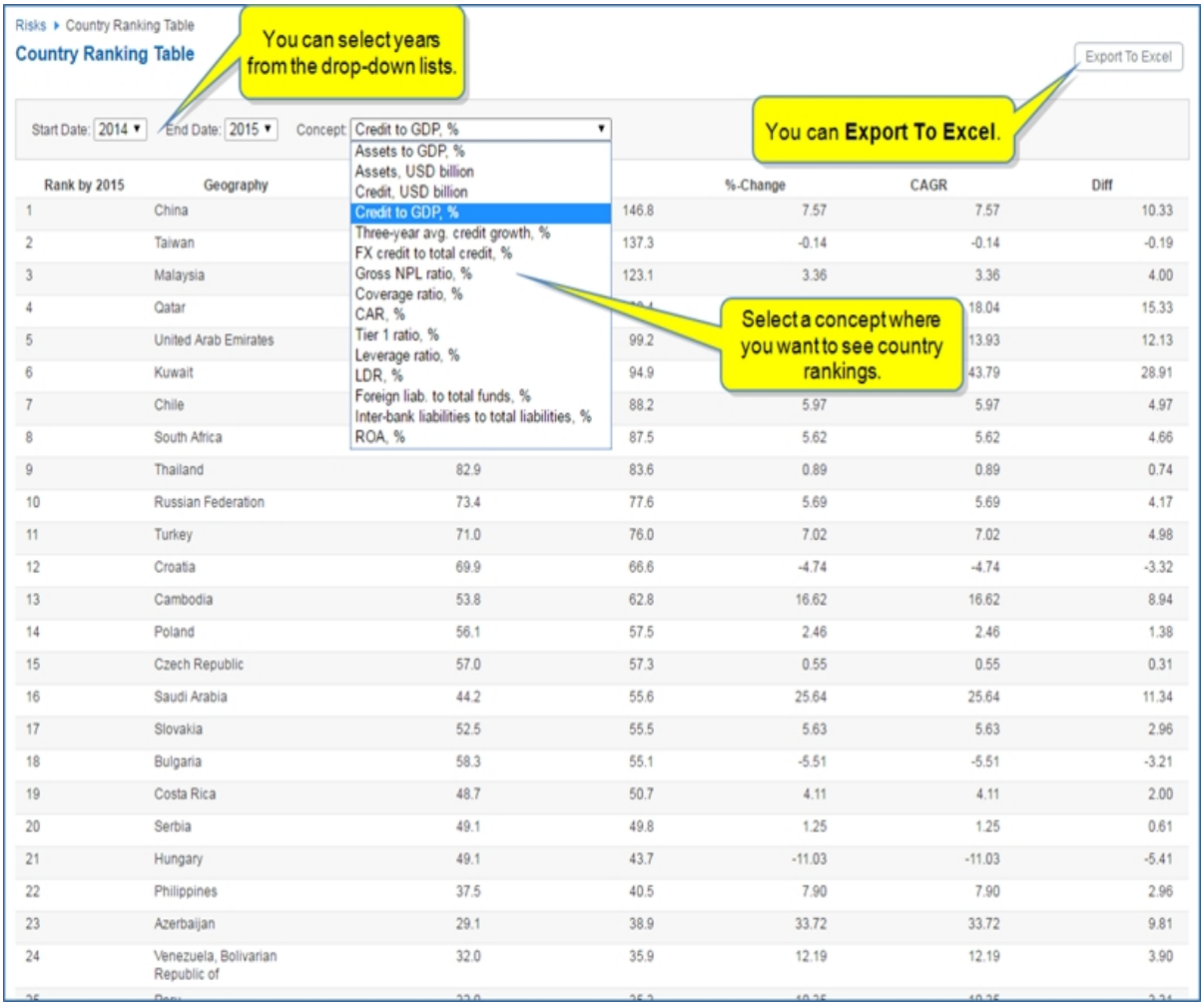
Four Featured Headlines are displayed at the top of the middle pane. However, you can view all featured headlines by selection the **All Featured Headlines** link.

The export icons allow you to customize a download of articles by selecting all articles or unselecting all articles. When all articles are unselected, you can choose particular articles with a check mark. When you are satisfied with your selections, click the **Download** icon to create a PDF document.



Country Ranking

The Country Ranking Table ranks countries based on a concept you select. You can choose a start and end date. You can also **Export To Excel**.



Special Topic: Brexit

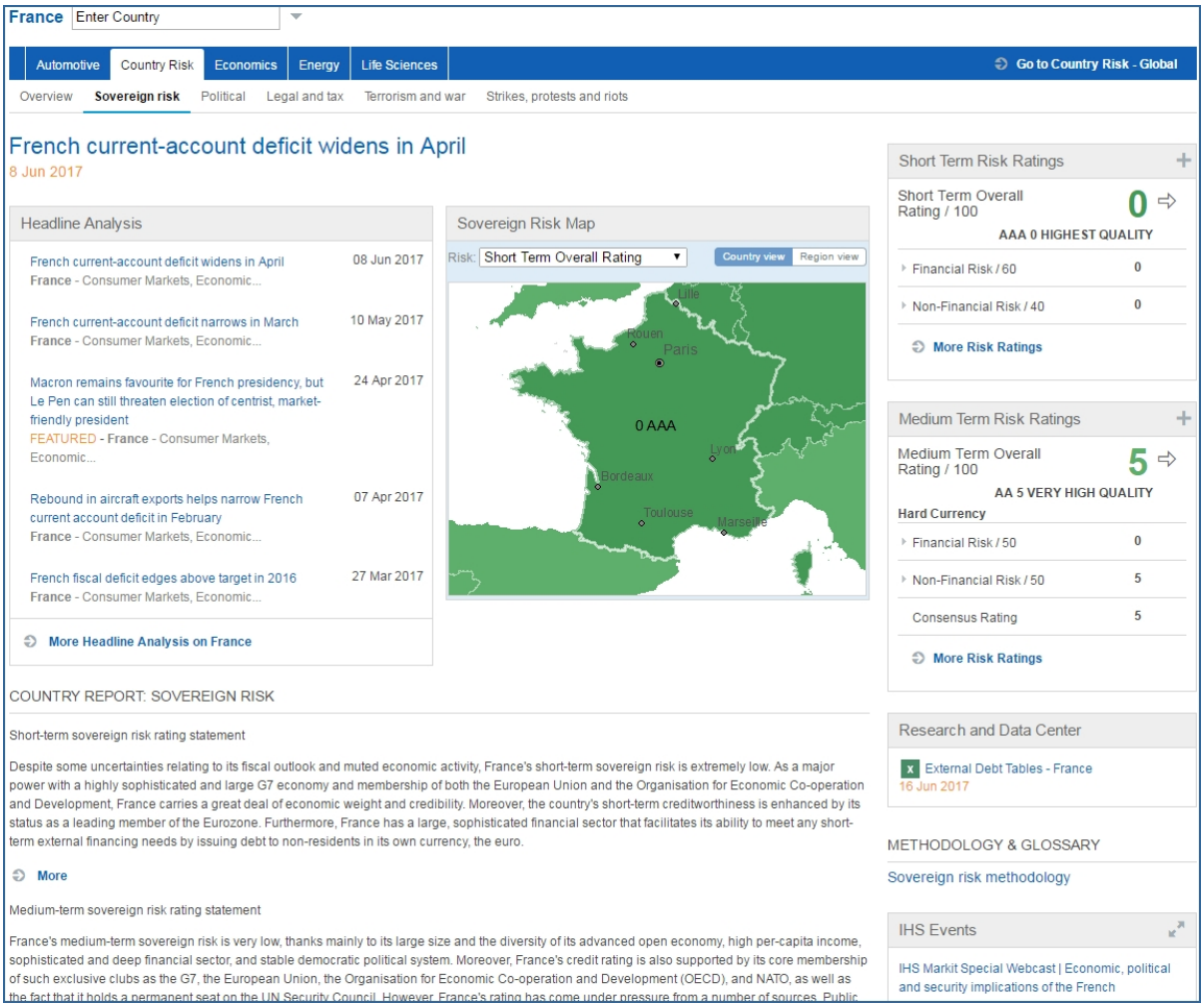
This special topic contains IHS Markit's analysis of the national and global implication of the UK's decision to leave the EU.

Research a Country

The Research a Country field at the bottom of the megamenu allows you to go directly to a country profile page.

Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



Accessing information about tools

Linked tools are available in the right pane of Banking Risk megamenu.

Data Browser opens the main Data Browser tool. The **Banking** link takes you to the query page for the Banking dataset in Data Browser.

For more information about these tools, see Risk megamenu overview.

Instructions about using Tools are available in this document, the IHS Connect User Guide.

Select the Question Mark icon at the top of any page, and then select **Visit our online help center**

The User Guide is available Online or in PDF format.

From the Contents pane in the Online Help, choose **Tools**, or scroll through the Table of Contents in the PDF document to find the Tools chapter.

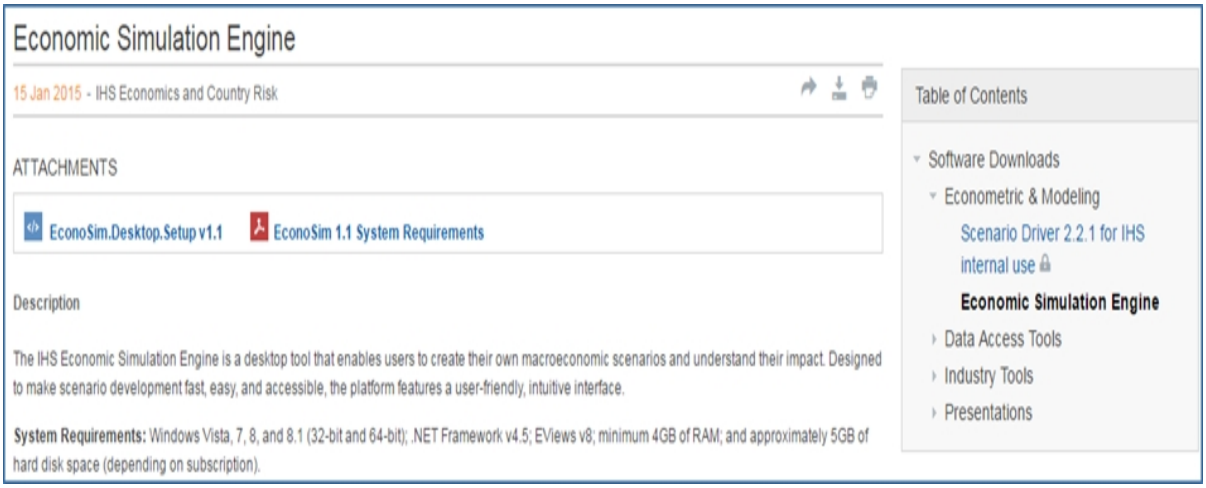
Most Tools available in Connect, and how to use them, are listed in this Tools chapter. Some tools are described in topics relevant to menu items such as Life Sciences where, for example, the Country Ranking Tool is displayed.

You can also enter a tool name or topic name in the search field on online help. In the following example, we searched for **Country Ranking Tool** and the results display "Country Ranking Tool" first on the list.

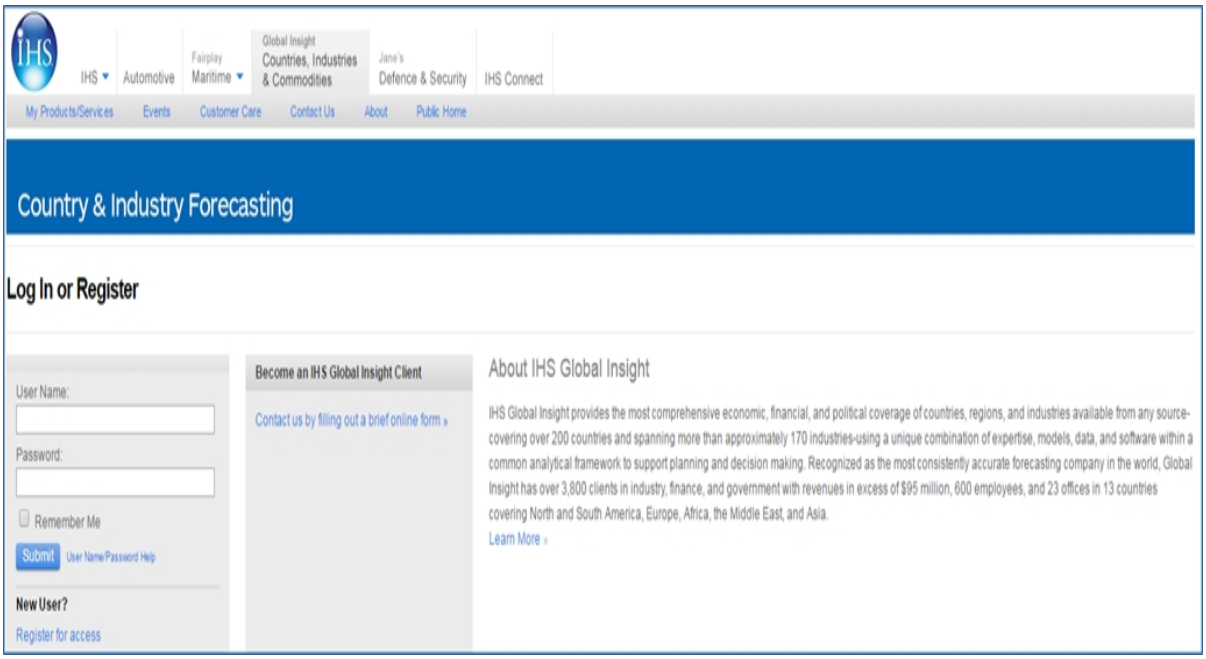
Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of IHS Connect.

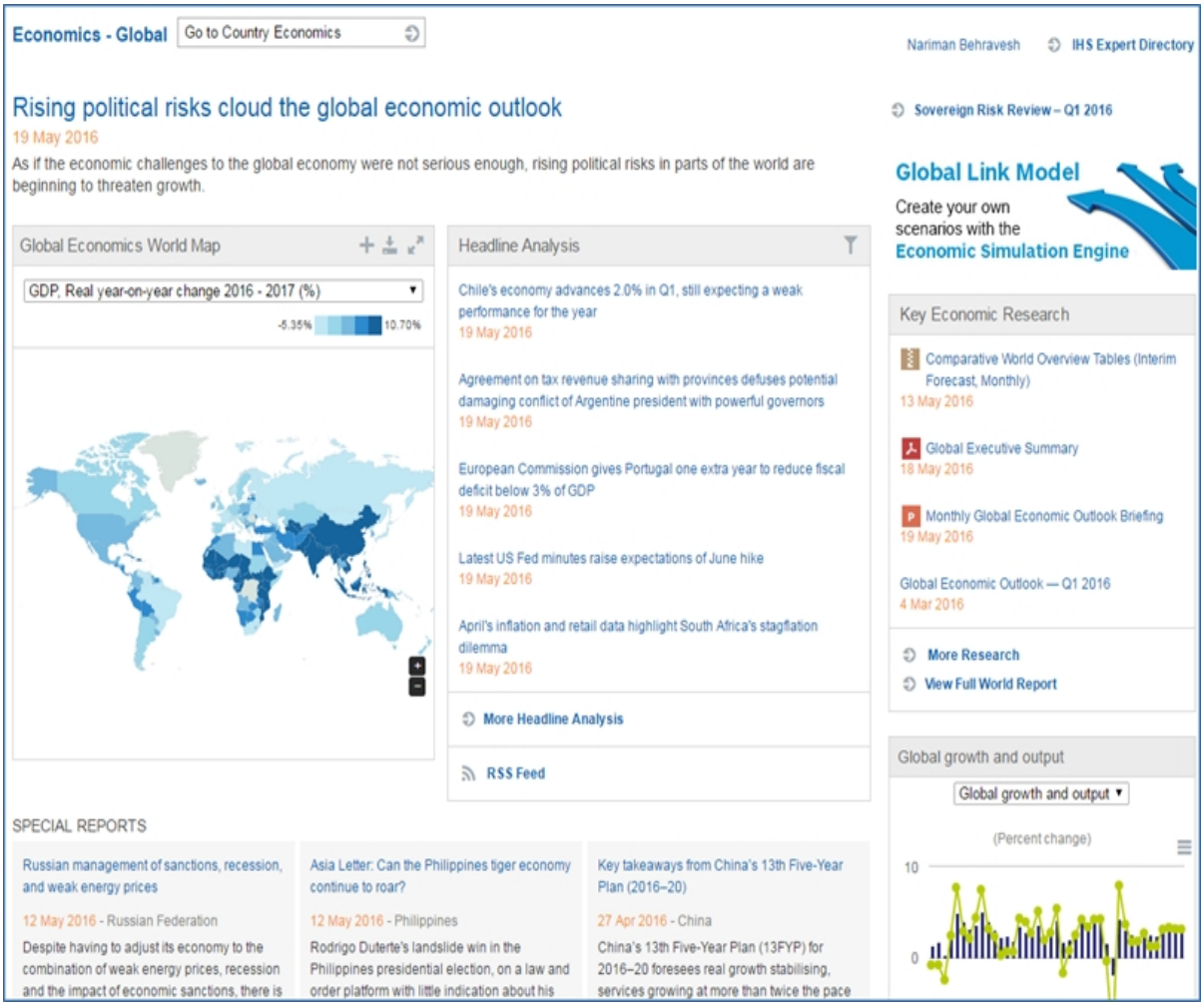
Global Link Model is an application you can download for Econometric & Modeling



Data Insight Web takes you to a Global Insight tool for Country & Industry Forecasting. You need a User Name and Password for this application.



Global Economics takes you to the Economics - Global page in IHS Connect.



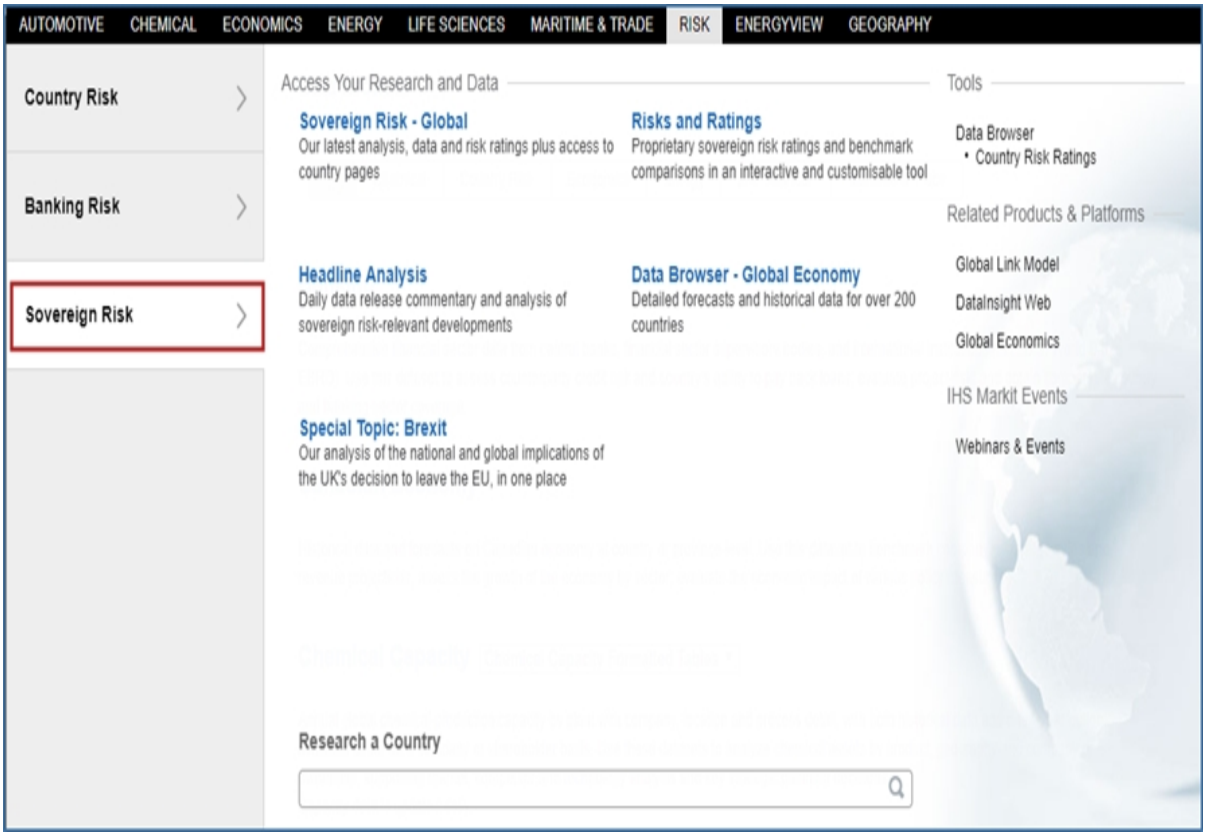
IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to country risk.

Sovereign Risk

From the Sovereign Risk segment on the risk megamenu access the following pages:

- Sovereign Risk - Global
- Headline Analysis and information for other linked headings follow.
- Risks and Ratings
- Data Browser - Global Economy
- Special Topic: Brexit
- Research a Country
- Tools
- Related Products & Platforms
- IHS Events



Sovereign Risk - Global

The Sovereign Risk - Global page contains the latest analysis, data, and risk ratings plus access to country pages.

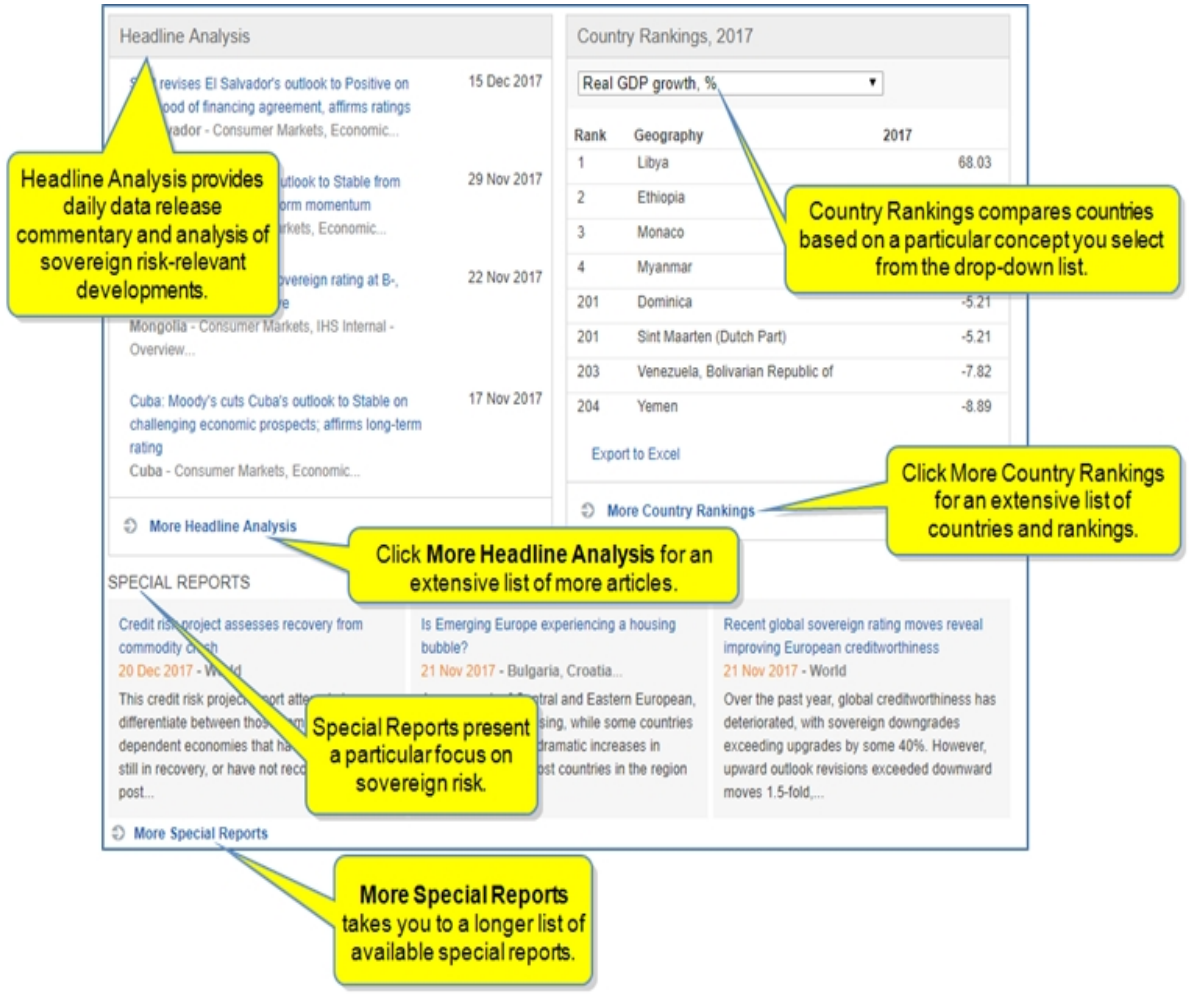
The page leads with a featured article from Sovereign Risk Review. Featured Headlines follows with four titles linked to the featured headlines.

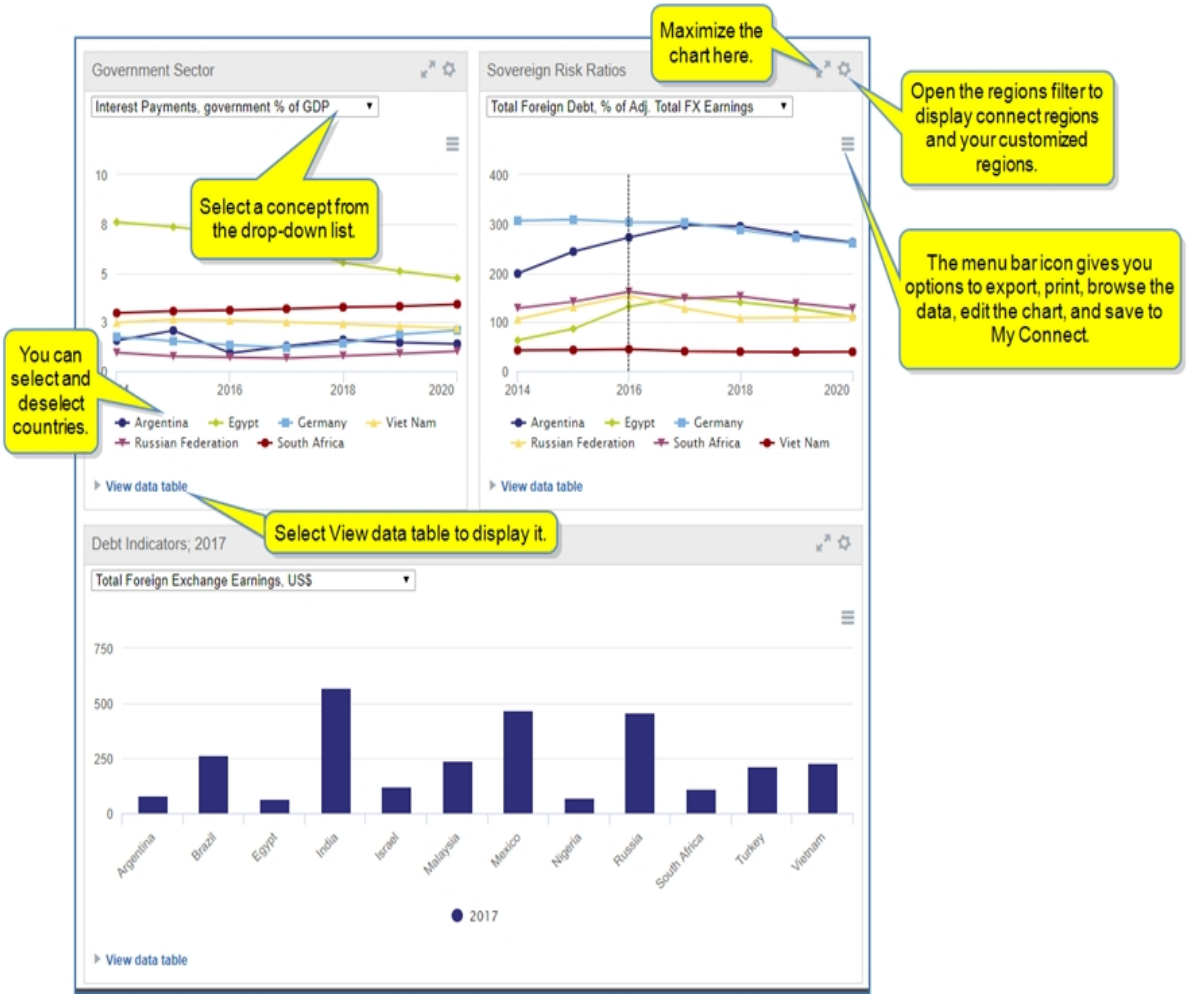
Sovereign Risk Ratings displays ratings on a map for visual review. A league table is included to compare country ratings.

Modules include Headline Analysis, Country Rankings, and Special Report.

You can customize the countries shown on interactive charts of key indicators / ratios titled Government Sector, Sovereign Risk Ratios, and Debt Indicators.

Sovereign Risk - Global
Choose Country
Enter a country or select the arrow to display the country picker where you can select a country to display the country profile.
Sovereign Risk Review – Q3 2017
31 Oct 2017
The featured article from Sovereign Risk Review is displayed with an abstract. Click the title to open the full article.
FEATURED HEADLINES
Budget 2018: Georgian parliament passes restrained fiscal plan
27 Dec 2017
Georgia - Global Economics | Headline Analysis
Canadian real GDP growth stalls in October
22 Dec 2017
Canada - Canada Economics | Headline Analysis
Budget 2018: Saudi Arabia looks to ratchet up spending to shore up economy
Saudi Arabia - Global Economics | Headline Analysis
Four featured articles with their sources and dates of publication are displayed. Click titles to open the articles.
All Featured Headlines
Click All Featured Headlines to view an extensive list of articles.
SOVEREIGN RISK RATINGS
Rating: Medium Term Overall Rating / 100
Country
Rating
Somalia 95 D
Syrian Arab Republic 85 C
Zimbabwe 85 C
Korea, Democratic People's Republic of 80 CC
Palestinian Territory, Occupied 80 CC
Sudan 80 CC
Yemen 75 CC
Burundi 70 CC+
Congo 70 CC+
Cuba 70 CC+
Page 1 of 21
1-10 of 206
Ratings are displayed on a map.
Russian Federation: BBB- 40
CN: A 20
Click map for Country Profile
Click a country on the map to open the Country Profile.
More Risk Ratings
The More Risk Ratings link takes you to the full Risk
Primary Tools
Go to Data Browser
Research and Data Center
IHS Markit Events
Service Bulletins
Tools are available in the right panel. Click the arrows to expand and contract the accordion bars.


Headline Analysis
Country Rankings, 2017
Real GDP growth, %
Rank Geography 2017
1 Libya 68.03
2 Ethiopia
3 Monaco
4 Myanmar
201 Dominica -5.21
201 Sint Maarten (Dutch Part) -5.21
203 Venezuela, Bolivarian Republic of -7.82
204 Yemen -8.89
15 Dec 2017
29 Nov 2017
22 Nov 2017
17 Nov 2017
Cuba: Moody's cuts Cuba's outlook to Stable on challenging economic prospects; affirms long-term rating
Cuba - Consumer Markets, Economic...
Export to Excel
More Country Rankings
More Headline Analysis
SPECIAL REPORTS
Is Emerging Europe experiencing a housing bubble?
21 Nov 2017 - Bulgaria, Croatia...
Recent global sovereign rating moves reveal improving European creditworthiness
21 Nov 2017 - World
Over the past year, global creditworthiness has deteriorated, with sovereign downgrades exceeding upgrades by some 40%. However, upward outlook revisions exceeded downward moves 1.5-fold,...
More Special Reports
Headline Analysis provides daily data release commentary and analysis of sovereign risk-relevant developments.
Country Rankings compares countries based on a particular concept you select from the drop-down list.
Click More Country Rankings for an extensive list of countries and rankings.
Click More Headline Analysis for an extensive list of more articles.
Special Reports present a particular focus on sovereign risk.
More Special Reports takes you to a longer list of available special reports.



Headline Analysis and information for other linked headings follow.

Headline Analysis provides daily analysis of banking risk-relevant events worldwide, filterable by geography and risk category. The left pane contains filters for keywords, time periods, geography, source, and other risk categories.

Once you have filtered results, you can save the created list by selecting **Follow this Headline Analysis**. Your saved pages are available under Saved Pages in the right pane as well as in My Connect.

Four Featured Headlines are displayed at the top of the middle pane. However, you can view all featured headlines by selection the **All Featured Headlines** link.

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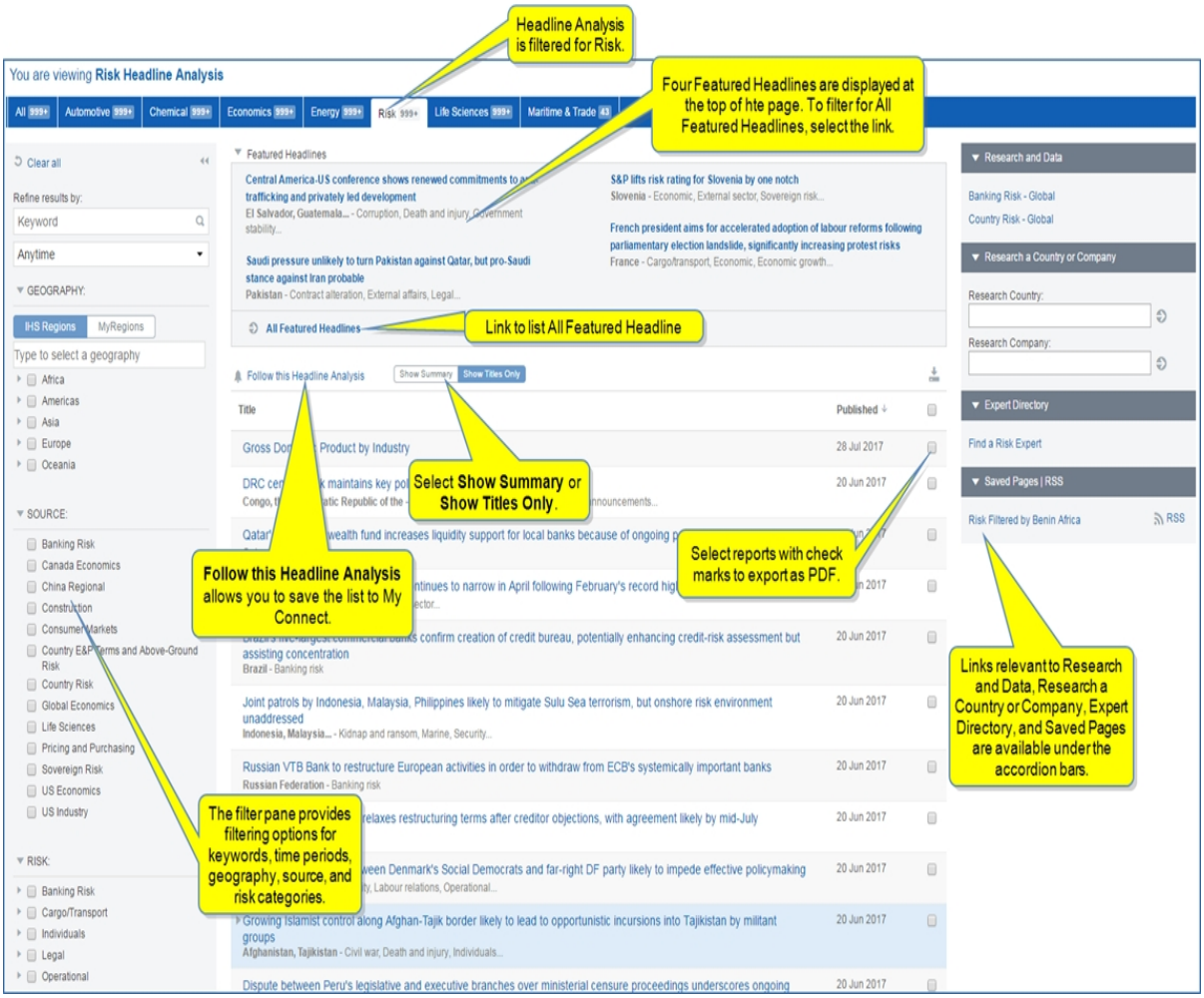
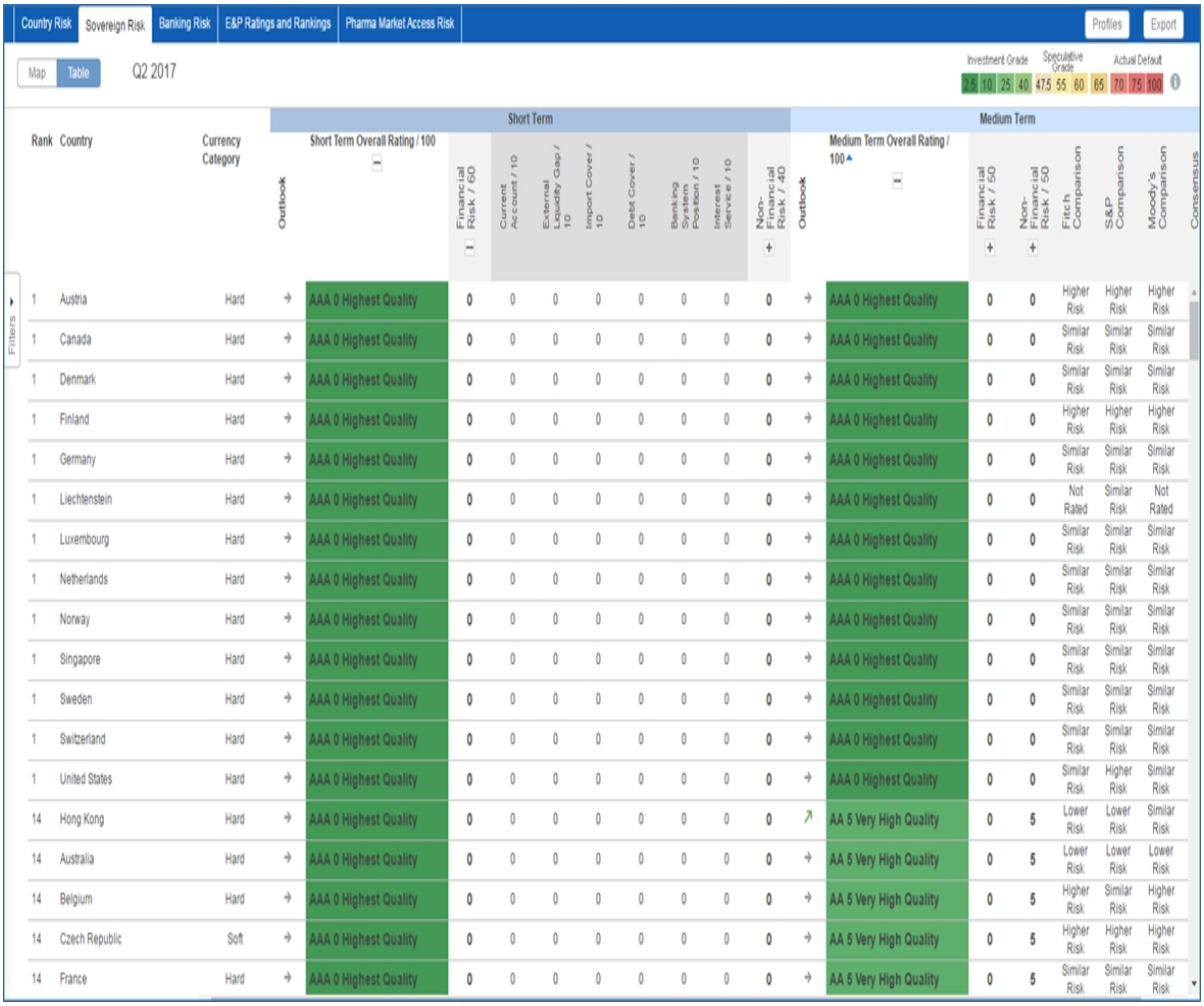


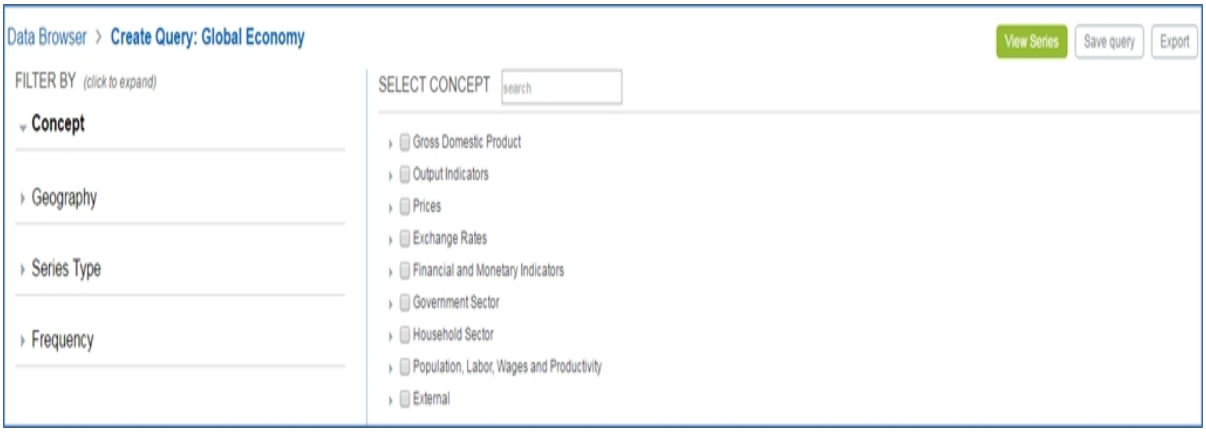
Risks and Ratings

Sovereign Risks and Ratings contains proprietary sovereign risk ratings and benchmark comparisons in an interactive and customizable tool. For more information about the Risks and Ratings too, see Risks and Ratings feature overview.



Data Browser - Global Economy

When you select Data Browser - Global Economy, the Create Query: Global Economy page for that dataset is displayed. For more information about Data Browser, see About Data Browser, Querying a dataset, and Viewing Data Series in the Data Table and Preview Chart.



Special Topic: Brexit

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Research a Country

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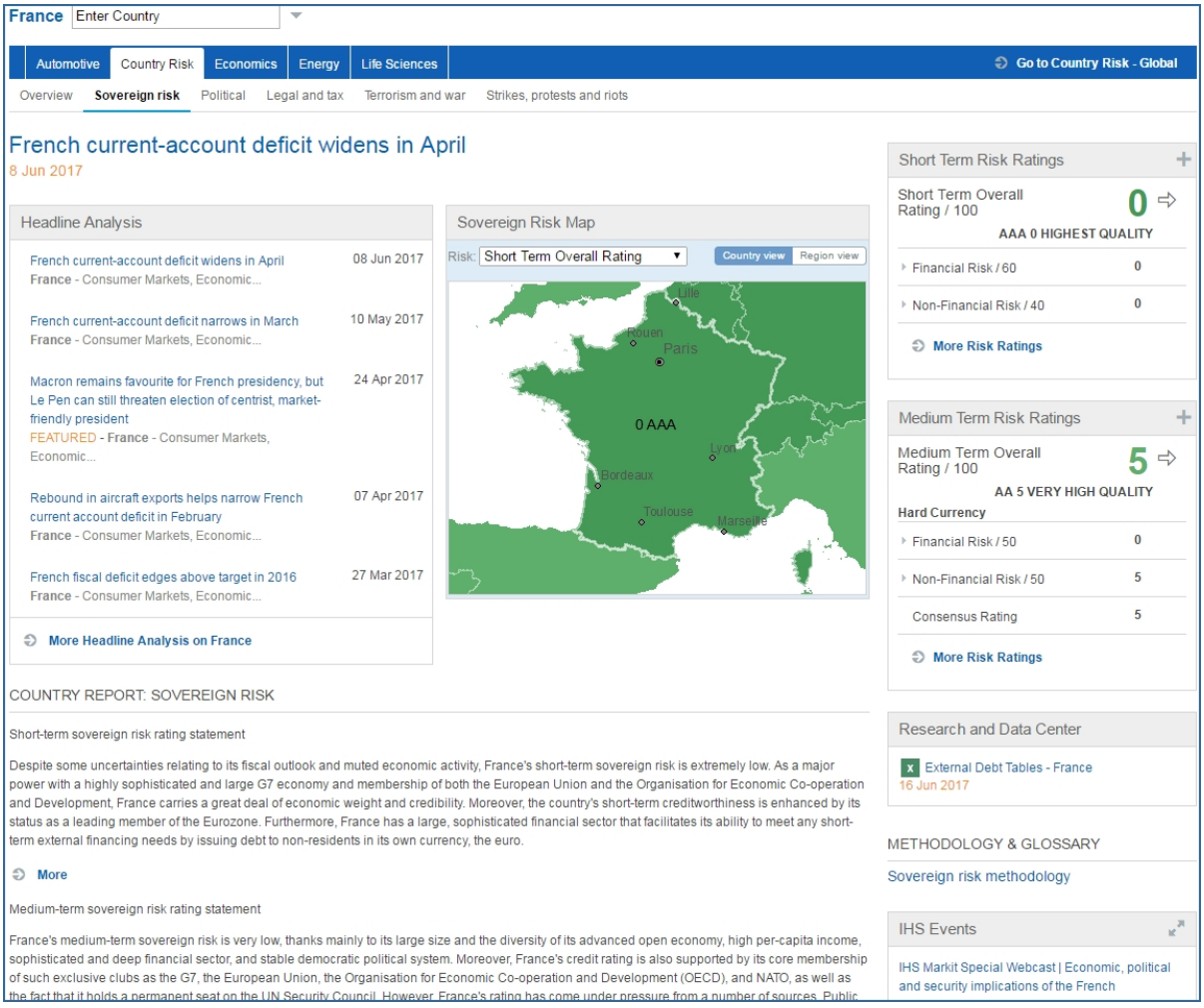
Begin typing a country, and Connect lists available options.

Select an option, and the country profile is displayed.



Tools

Linked tools are available in the right pane of Country Risk megamenu.

Data Browser opens the main Data Browser tool. **Country Risk Ratings** takes you to the query page for that dataset in Data Browser.

Related Products & Platforms

The links under Related Products & Platforms take you to the following pages or platforms. You may find that you need to enter your user name and password for platforms housed outside of IHS Connect.

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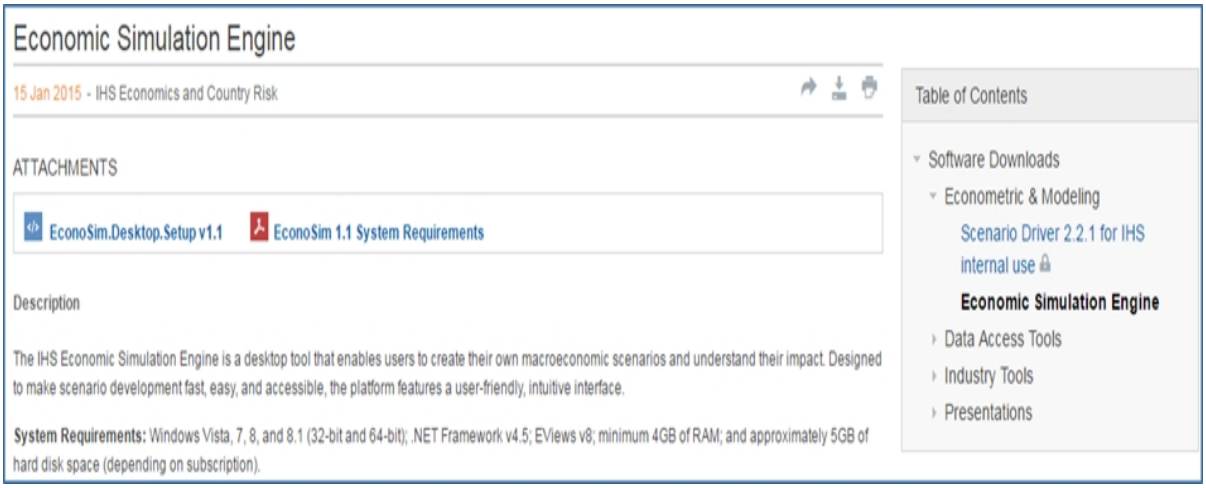

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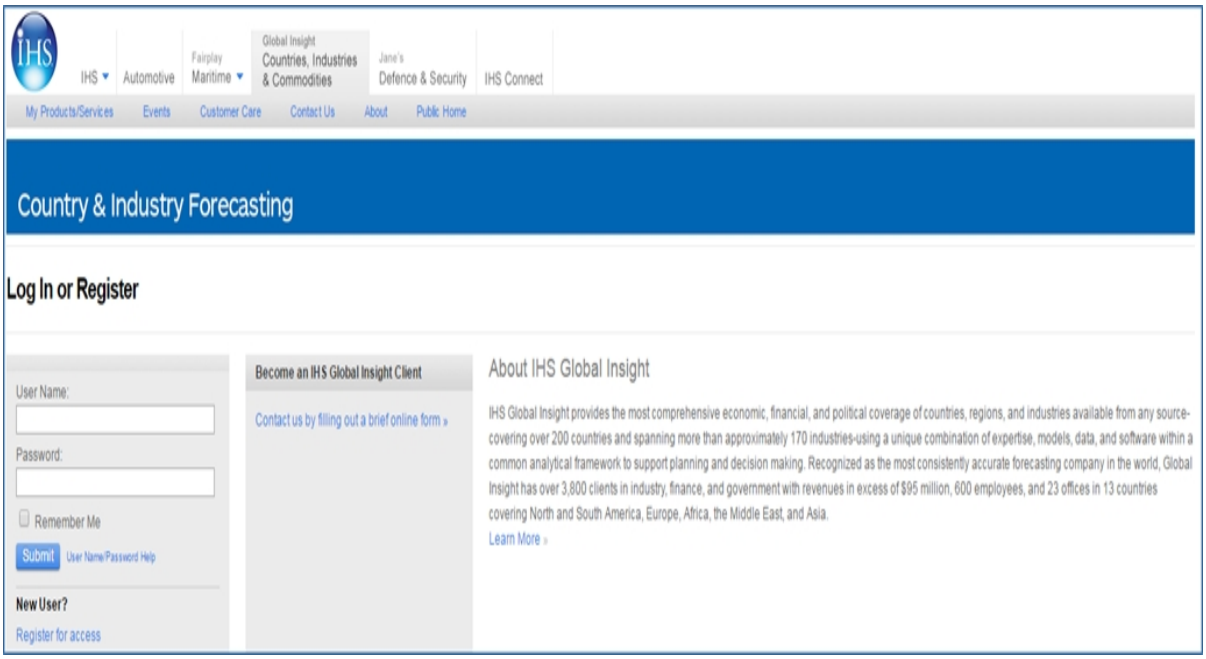

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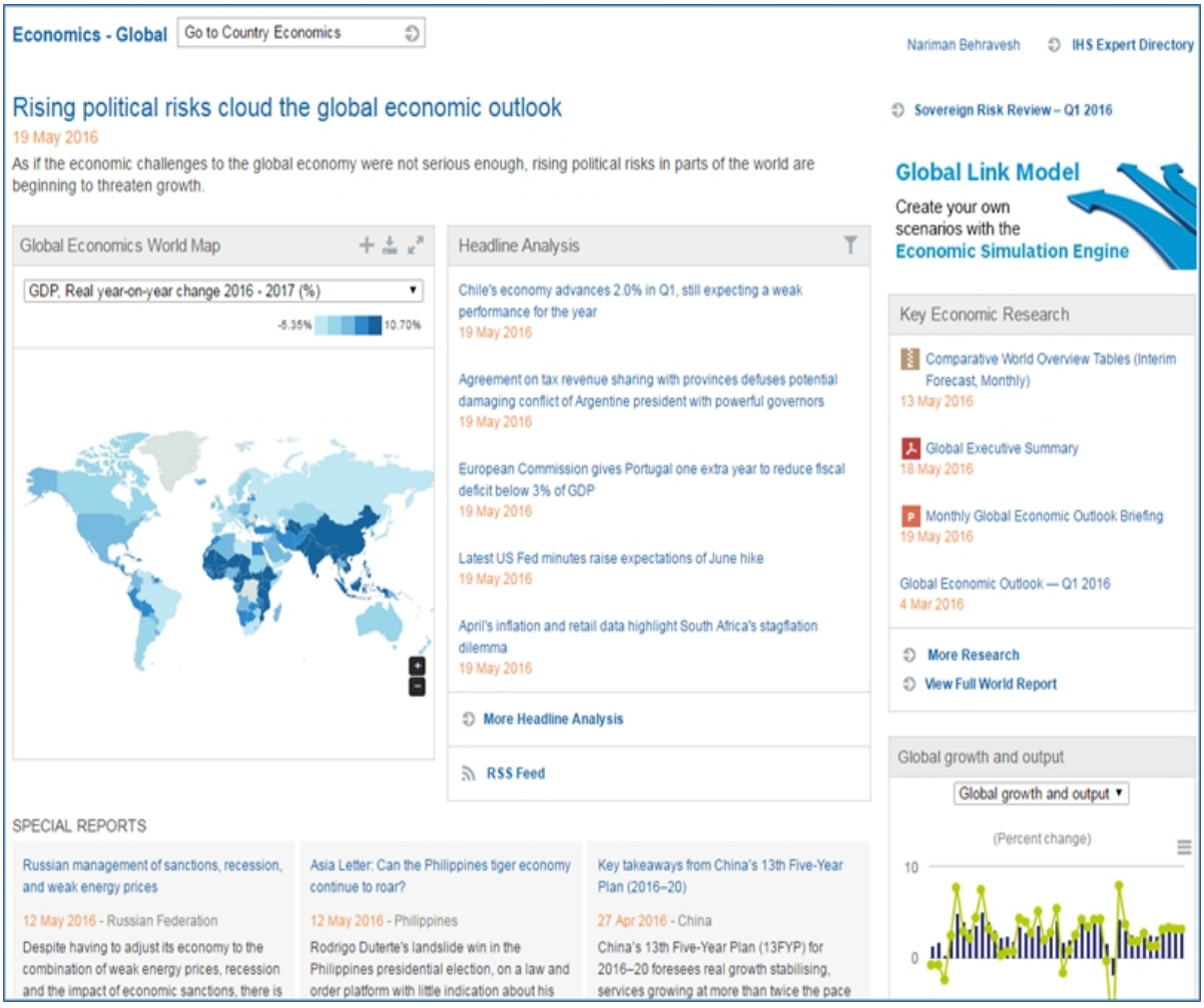


IHS Events

Webinars & Events takes you to a list of upcoming webinars and events related to country risk.

Geography

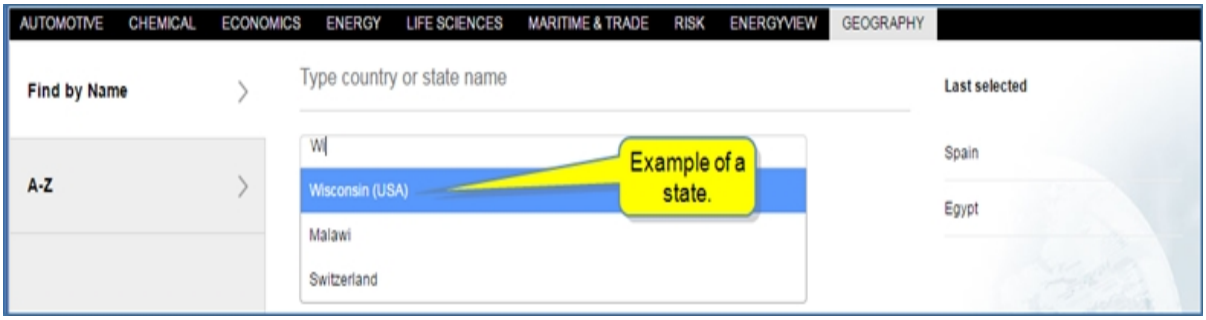
Country Profile Overview

The Country Profile analysis provides a broad and detailed view of country risk, economics, energy, and transactions for countries and regions worldwide. Access is through the Geography menu, which displays Find by Name and A-Z panel choices.

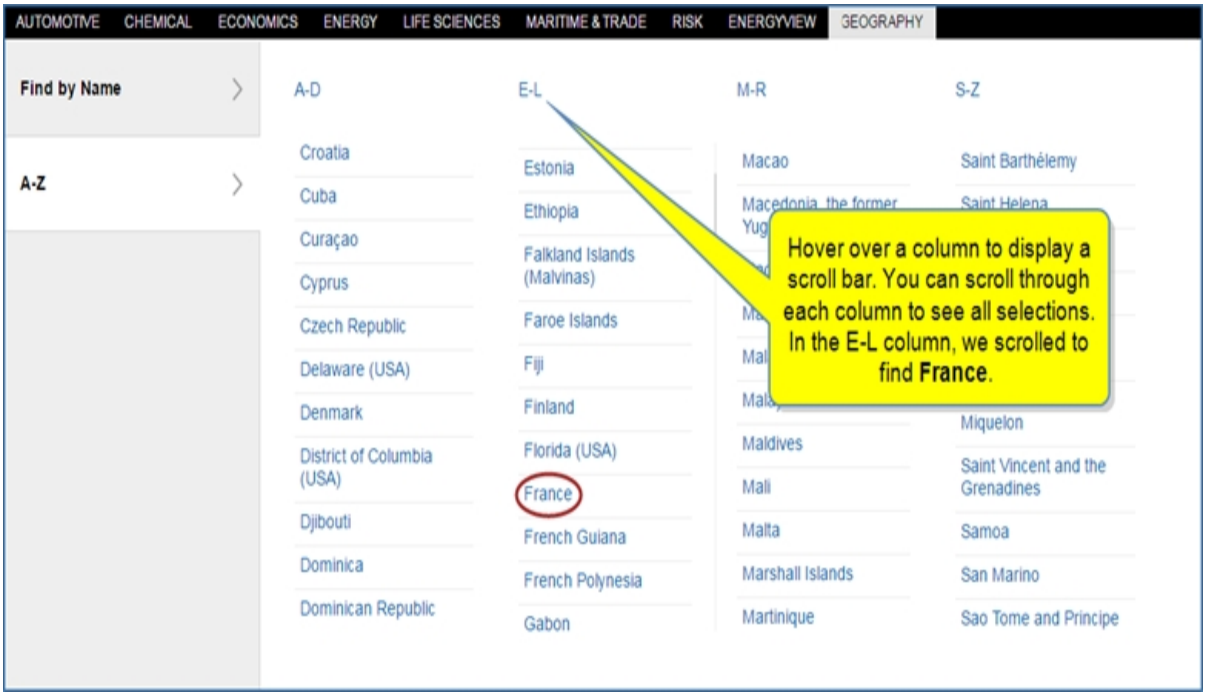
Note: If you search for a state in the United States, the displayed list includes "(USA)" next to a state or metro in the United States.

Using the Find by Name panel, start typing the name, and then select from the automated suggestions for your match that appear in the drop-down list. Your 10 most recent selected countries or states are listed on the right.

The following example shows the selection of Wisconsin.

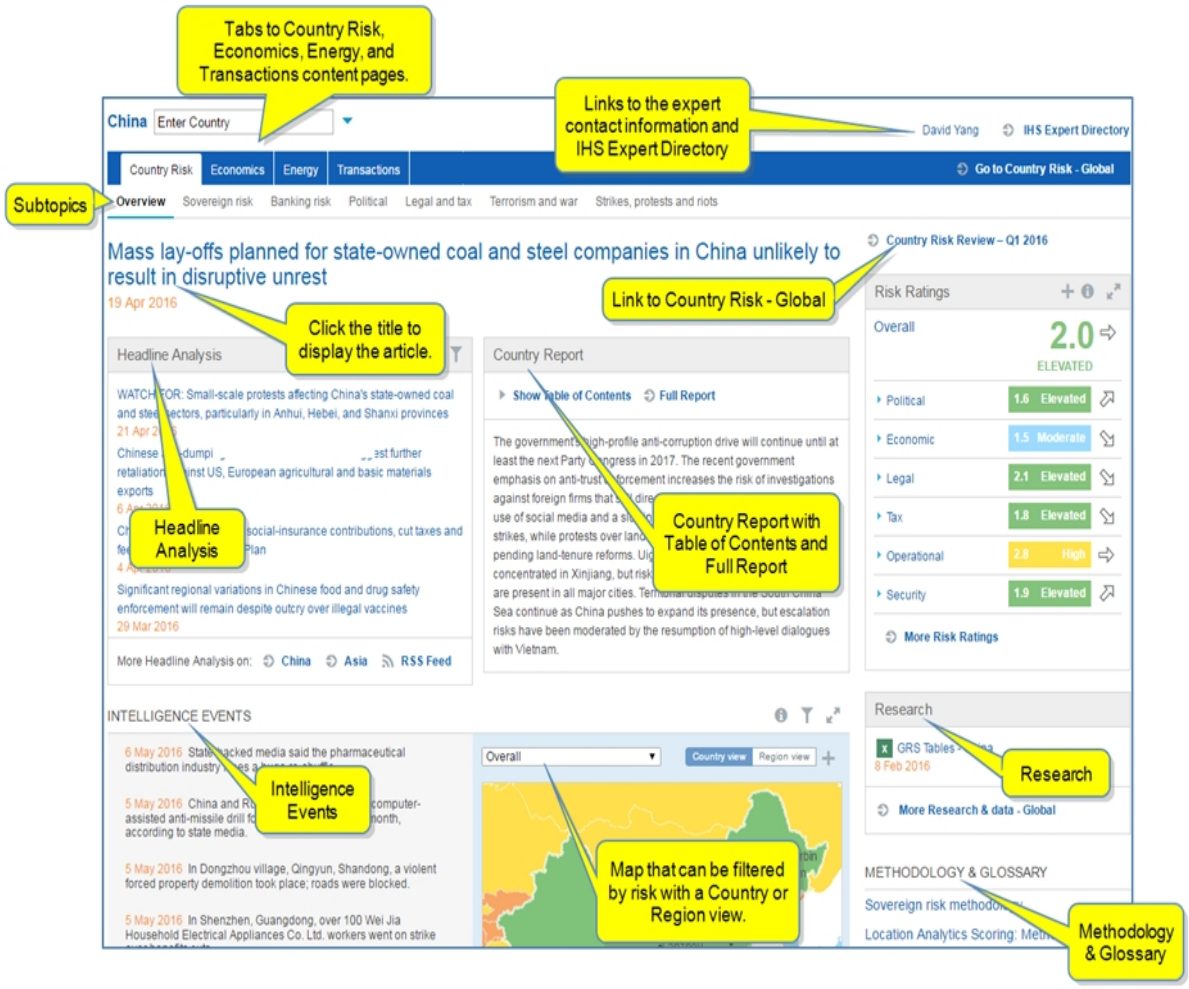


Using the A-Z panel, when you hover over the A-Z selection, countries and states are listed in alphabetical order. Select one to display a profile.



Once you select a country to view, Connect opens a page organized with four tabs—Country Risk, Economics, Energy, and Transactions—containing specific and essential information related to the country you've selected. Each tab contains subtopics with further focused information. For example, under the Country Risk tab below the subtopics are Overview, Sovereign risk, Banking risk, Political, Legal and tax, Terrorism and war, Strikes, protests and riots.

The research articles, charts, data tables, and links to further information are all specific to the country.



Note: Your experience may vary based on your subscriptions.

For more detailed information, refer to the Country Risk, Economics Country Profile, Economics—U.S. Regional insights, Sovereign Risk Country Profile, Banking Risk Country Profile, Energy Country Profile, Consumer Markets Country Profile, and Transactions Country Profile topics.

Country Risk

The information on the Geography > Country Risk page presents an Overall Rating score for a country and individual risk category ratings related to the topic displayed. The subtopics under Country Risk categorize information as follows:

- Overview
- Sovereign Risk Country Profile
- Banking Risk Country Profile
- Politics and policy
- Regulation and contracts
- Terrorism and conflict

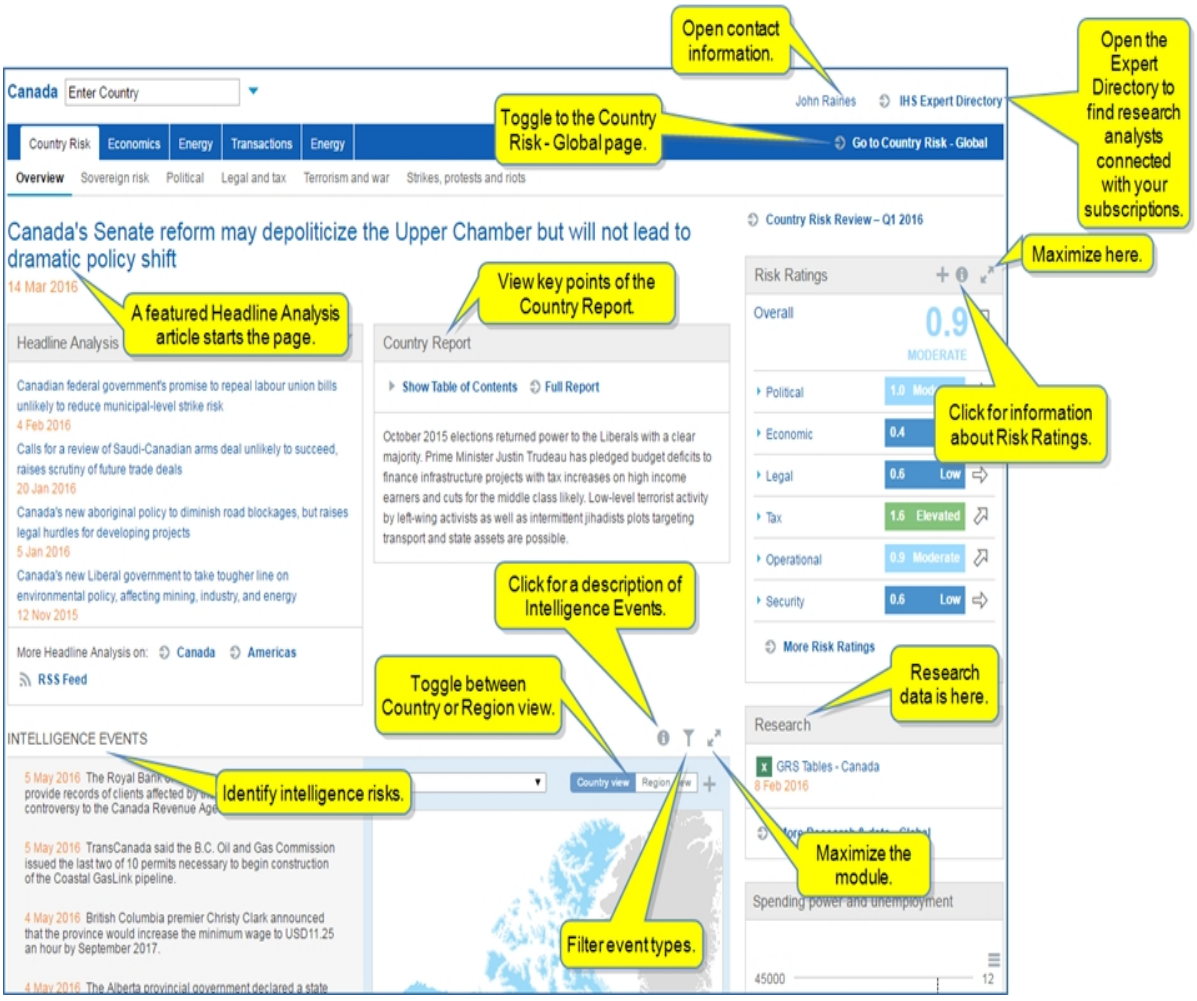
- Strikes and protests
- Individuals
- Logistics
- Property

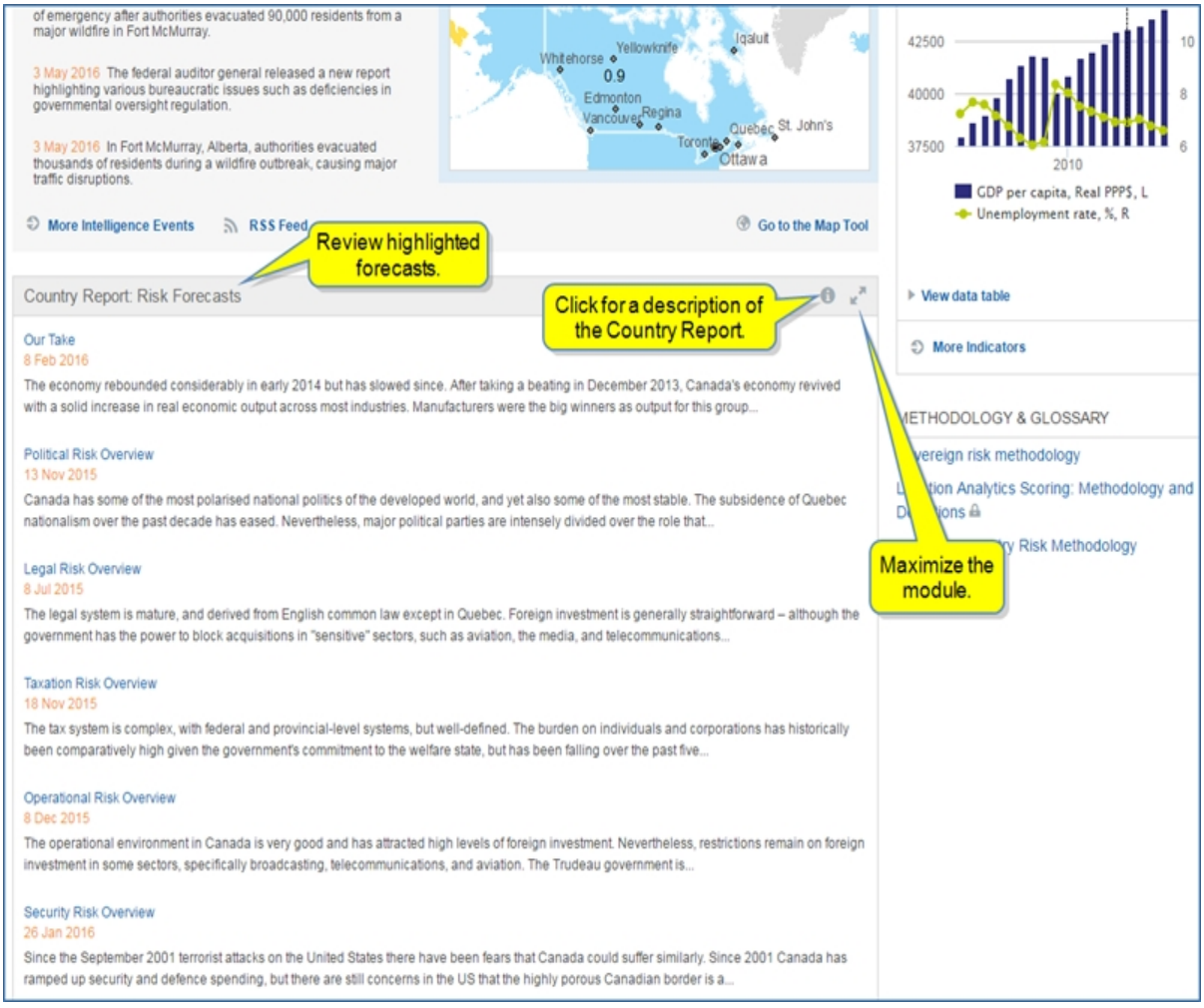
Click the following links to review information for Sovereign Risk and Banking Risk.

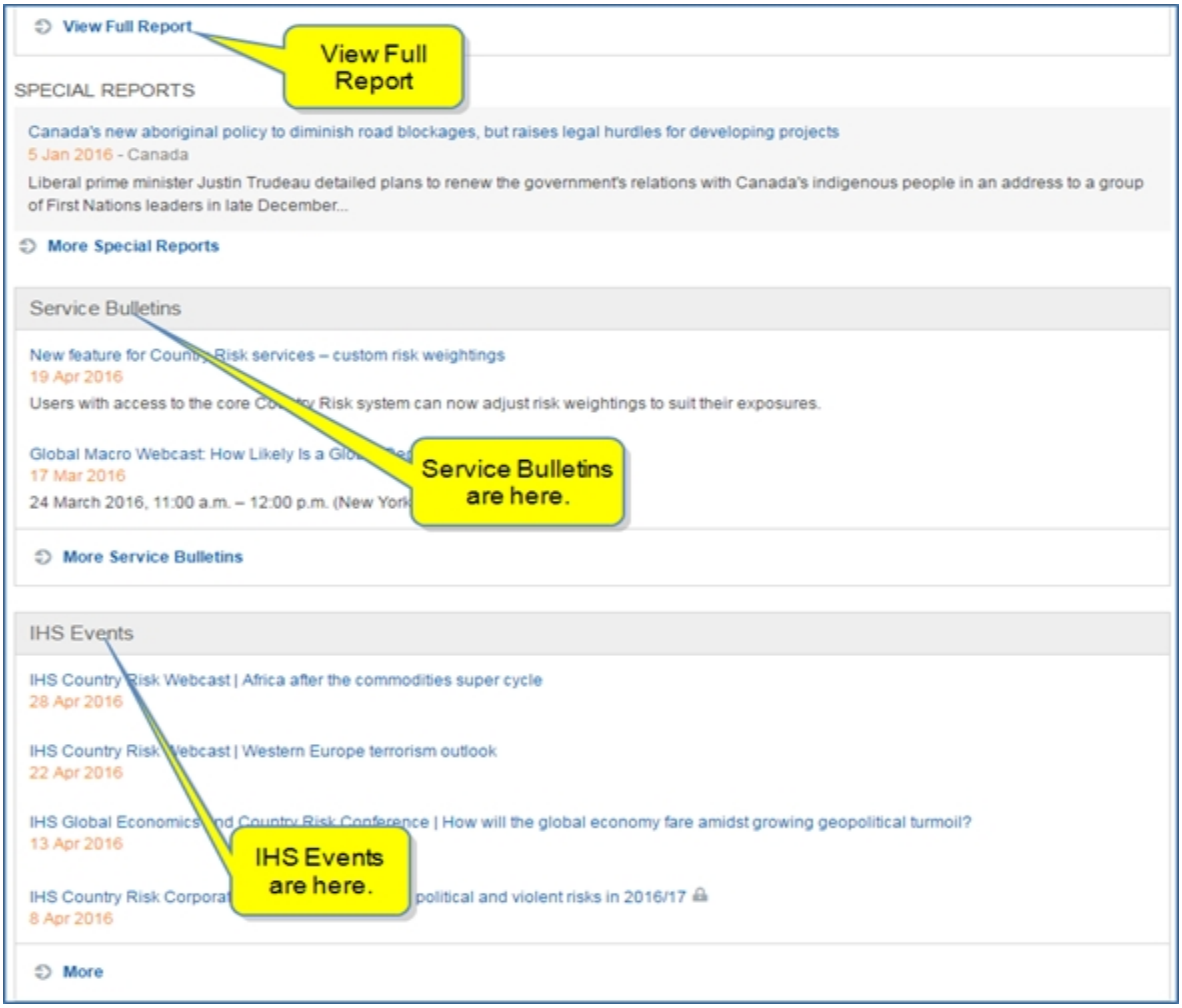
- Sovereign Risk Country Profile
- Banking Risk Country Profile

Research, analysis, and insight are communicated in articles, reports, charts, and tables to assist you in evaluating the risks and trends in the country environment. A link at the top of the page connects you to a larger global view. Specifically, you can go from local analysis to a global view by clicking the

link.




of emergency after authorities evacuated 90,000 residents from a major wildfire in Fort McMurray.
3 May 2016 The federal auditor general released a new report highlighting various bureaucratic issues such as deficiencies in governmental oversight regulation.
3 May 2016 In Fort McMurray, Alberta, authorities evacuated thousands of residents during a wildfire outbreak, causing major traffic disruptions.
Whitehorse
Yellowknife
Iqaluit
0.9
Edmonton
Vancouver
Regina
Toronto
Quebec
St. John's
Ottawa
More Intelligence Events
RSS Feed
Go to the Map Tool
Review highlighted forecasts.
Country Report: Risk Forecasts
Click for a description of the Country Report.
Our Take
8 Feb 2016
The economy rebounded considerably in early 2014 but has slowed since. After taking a beating in December 2013, Canada's economy revived with a solid increase in real economic output across most industries. Manufacturers were the big winners as output for this group...
Political Risk Overview
13 Nov 2015
Canada has some of the most polarised national politics of the developed world, and yet also some of the most stable. The subsidence of Quebec nationalism over the past decade has eased. Nevertheless, major political parties are intensely divided over the role that...
Legal Risk Overview
8 Jul 2015
The legal system is mature, and derived from English common law except in Quebec. Foreign investment is generally straightforward – although the government has the power to block acquisitions in "sensitive" sectors, such as aviation, the media, and telecommunications...
Taxation Risk Overview
18 Nov 2015
The tax system is complex, with federal and provincial-level systems, but well-defined. The burden on individuals and corporations has historically been comparatively high given the government's commitment to the welfare state, but has been falling over the past five...
Operational Risk Overview
8 Dec 2015
The operational environment in Canada is very good and has attracted high levels of foreign investment. Nevertheless, restrictions remain on foreign investment in some sectors, specifically broadcasting, telecommunications, and aviation. The Trudeau government is...
Security Risk Overview
26 Jan 2016
Since the September 2001 terrorist attacks on the United States there have been fears that Canada could suffer similarly. Since 2001 Canada has ramped up security and defence spending, but there are still concerns in the US that the highly porous Canadian border is a...
42500
40000
37500
10
8
6
2010
GDP per capita, Real PPP$, L
Unemployment rate, %, R
View data table
More Indicators
METHODOLOGY & GLOSSARY
Maximize the module.



The Country Risk page displays the following modules when data is available:

- Headline Analysis
- Country Report
- Risk Ratings
- Intelligence Events
- Spending power and unemployment
- Research
- Country Report: Risk Forecasts
- Methodology & Glossary
- Special Reports
- Service Bulletins
- IHS Events

Each of these modules show links at the bottom for more information.

Featured Headline

Country Risk begins with a featured headline across the top of the page. Click the title link to read the entire article.

Headline Analysis

We have enhanced the Headline Analysis experience. When you click the **More Headline Analysis** link, the features will be available in a new layout. Check back soon for updated Help information on this new and enhanced page.

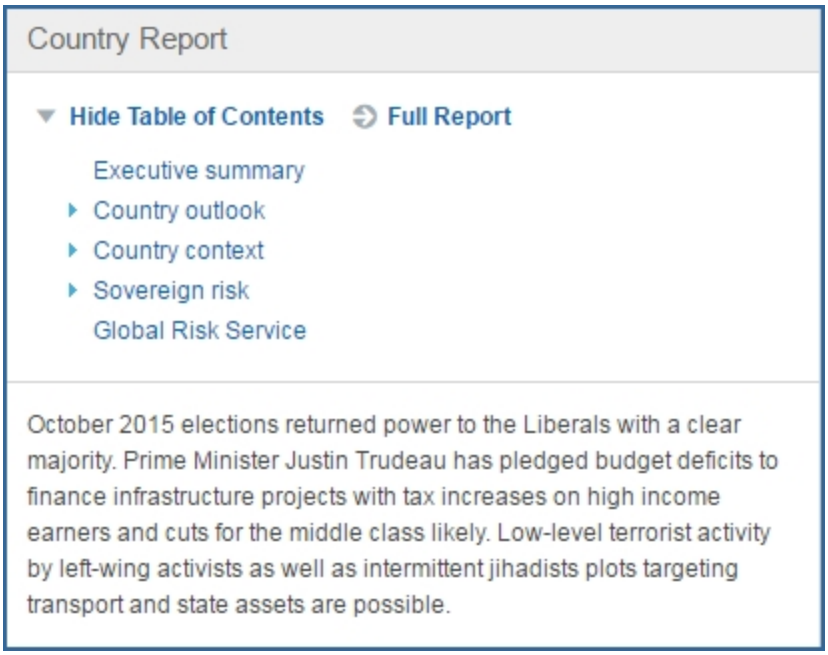
Links to the latest Headline Analysis articles are listed in the left of the center section and default to all risk filters. You can use the multi-select risk filter to quickly sort and scan relevant headlines.

Click **More Headline Analysis on:** Country **Canada** or Region **Americas** for more articles, or select **RSS Feed** to have the headlines pushed to you.

Country Report

A summary from the outlook section of the Country Report, which gives you a quick overview and summary of risks for the country.

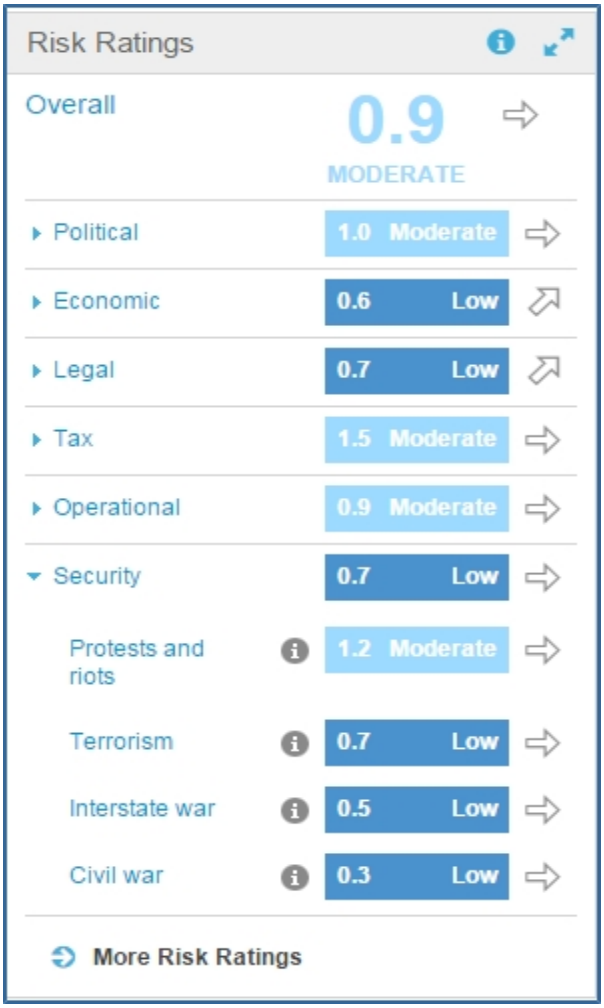
Clicking **Show Table of Contents** displays links to sections of the report.



To view the full report, click **Full Report**. You can share, export, or print the full report as a PDF by clicking the article icons when the report is open.

Risk Ratings

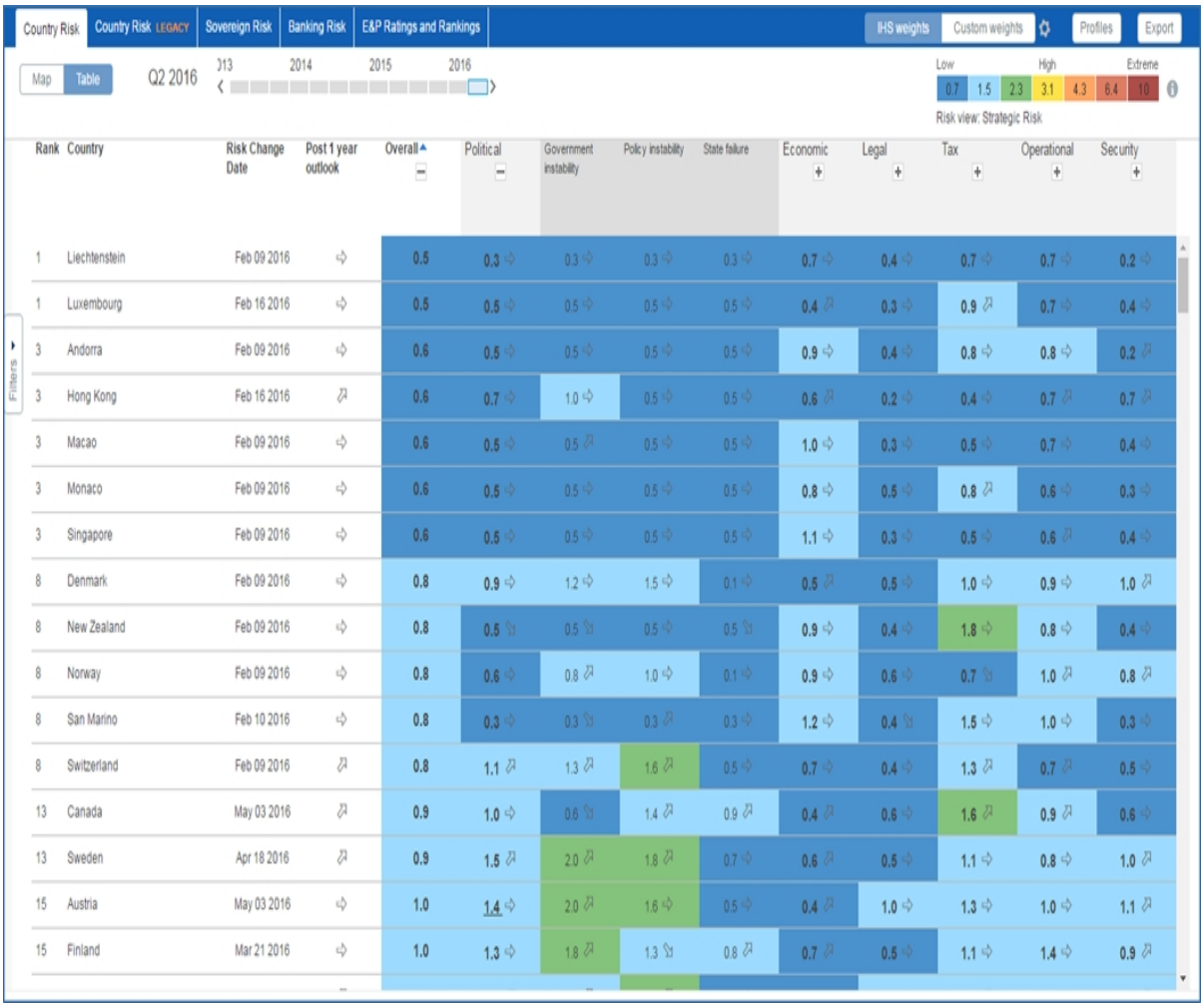
Risk Scores are displayed in the Risk Ratings module. These forward-looking values range from 0.1-10 and are logarithmic scale derived from analysis of 6 aggregates and 22 sub-aggregate risk factors. Click the titles to display a chart of historic risk ratings, or scan the associated outlook arrows to quickly digest category trends.



You can also maximize the module.

The Risk Ratings module will display the appropriate risk for your selected Country Risk page subtopic. The following example reflects content for Canada > Country Risk > Terrorism and conflict.

Navigate to the Tools > Risk and Ratings page for more ratings by clicking the More Risk Ratings link.



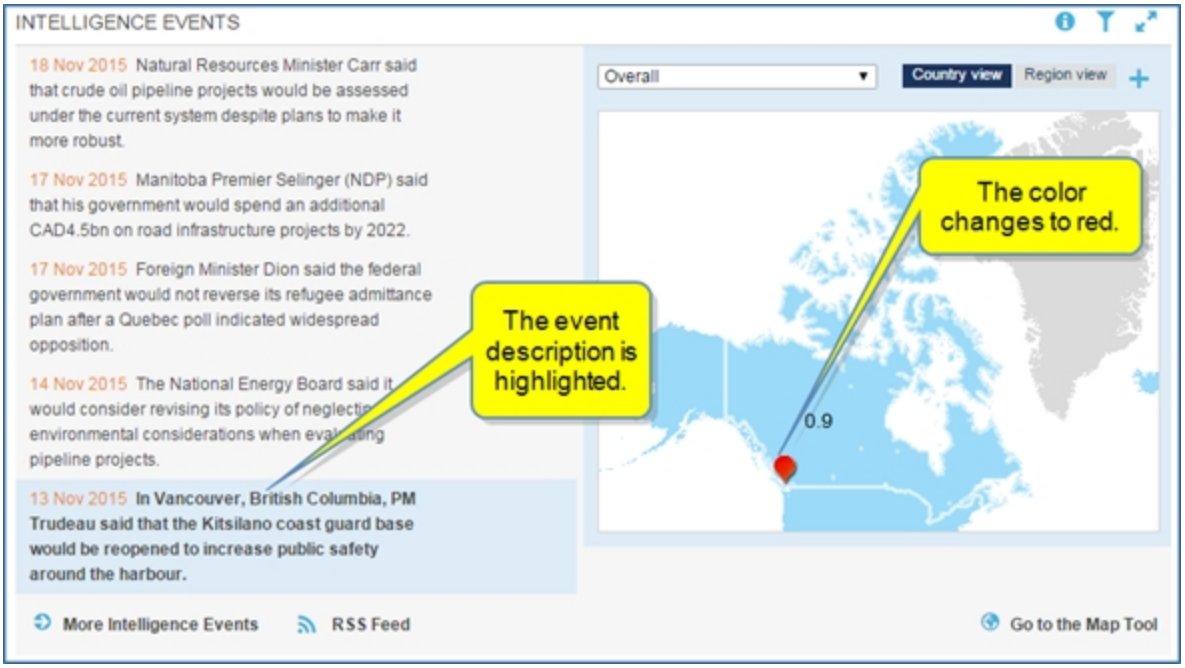
Intelligence Events

The Intelligence Events module highlights localized events from a network of 1,000 in-country resources and populates from a database which includes over 800,000 events.

The events list, specifically, gives you dates and descriptions of the events. You can use the multi-select risk filter to quickly sort and scan relevant intelligence events. Available options correspond to the selected Country Risk page subtopic, which in this case is Overview and may vary with other subtopic selections.

The map visualizes country risk ratings for the selected country. You have the option to adjust map view from the Country view default to Region view. You can also toggle from the Overall default to other available risk categories. Options correspond to the selected Country Risk page subtopic and could include a graph or table rather than a location map.

Balloon indicators on the map represent the location of an intelligence event. Clicking it will highlight the associated event in the list on the right, allowing you to see the location of the event and read a description about it.



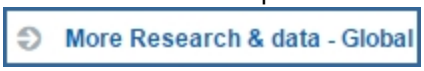
The **More Intelligence Events** link opens a maximized view with date filters and a keyword search field.

The **Go to the Map Tool** opens the maximized Map Tool and allows you to view Intelligence Events on the map.

In either view, hover the event to expose action icons. View the event on the map, click the Source link to access the source story of the event, or + to save the event to My Connect.

Research

The Research module provides a link to GRS Tables. When you click the



link, a maximized view of the module is displaying, splitting out Research and Data Center articles into distinct modules. Clicking **Archive** returns you to historical versions of the file in Search, and **Go to Data Browser** redirects you to the Global Economy data set in Data Browser.

Spending power and unemployment

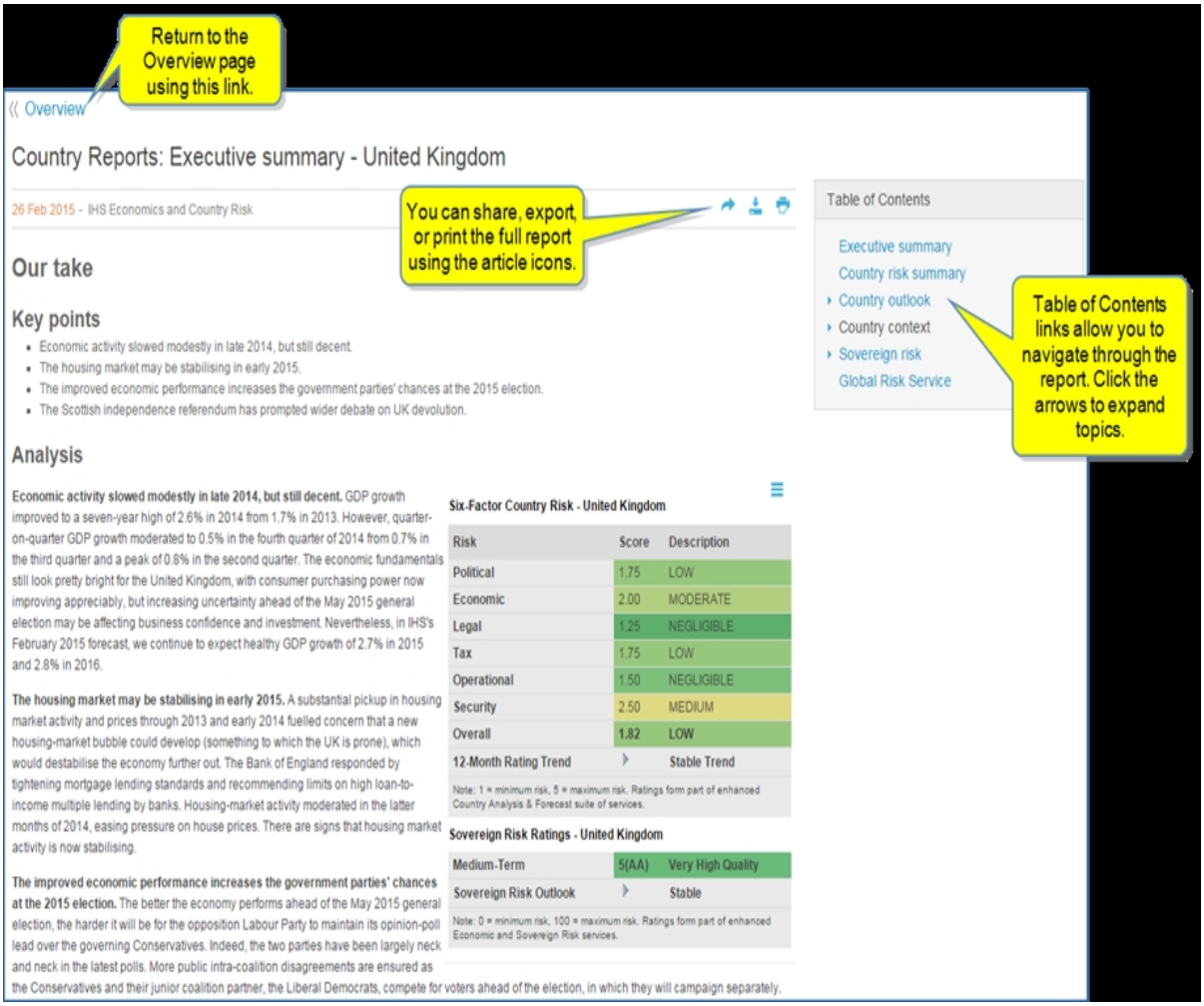
Each chart can be customized in the chart editor, exported to Excel or PowerPoint, or further investigated in Data Browser. The Menu bar opens the dialog box that provides links for exporting, printing, editing the chart, or browsing the data.

When you click **More Indicators** in the Spending power and unemployment module, a full page of predefined indicator charts is displayed. These indicators may vary with different countries. For Canada, in this example, the indicators are as follows:

- Spending power and unemployment
- Population growth and employment
- Trade
- GDP growth trends
- Exchange rates
- Inflation historical trends

Country Report: Risk Forecasts

The Country Report: Risk Forecasts module provides highlighted forecast information. Click the View Full Report link to open the entire forecasting analysis. Linked analysis in the Country Report module will take you to risk sections in the report.



Methodology & Glossary

Use Methodology & Glossary to review methodology behind and definitions around the new IHS country risk scoring system.

Special Reports

Special Reports - Latest Report offers a detailed review of key market events. The three most recent articles are displayed in reverse chronological order. Archived articles are available through Search or by clicking **More Special Reports**.

Note: For more information about Search, review Searching in Connect

Service Bulletins

Service Bulletins alert you to important offerings or data updates. Archived bulletins are available through Search when clicking

More Service Bulletins.

Note: For more information about Search, review Searching in Connect

IHS Events

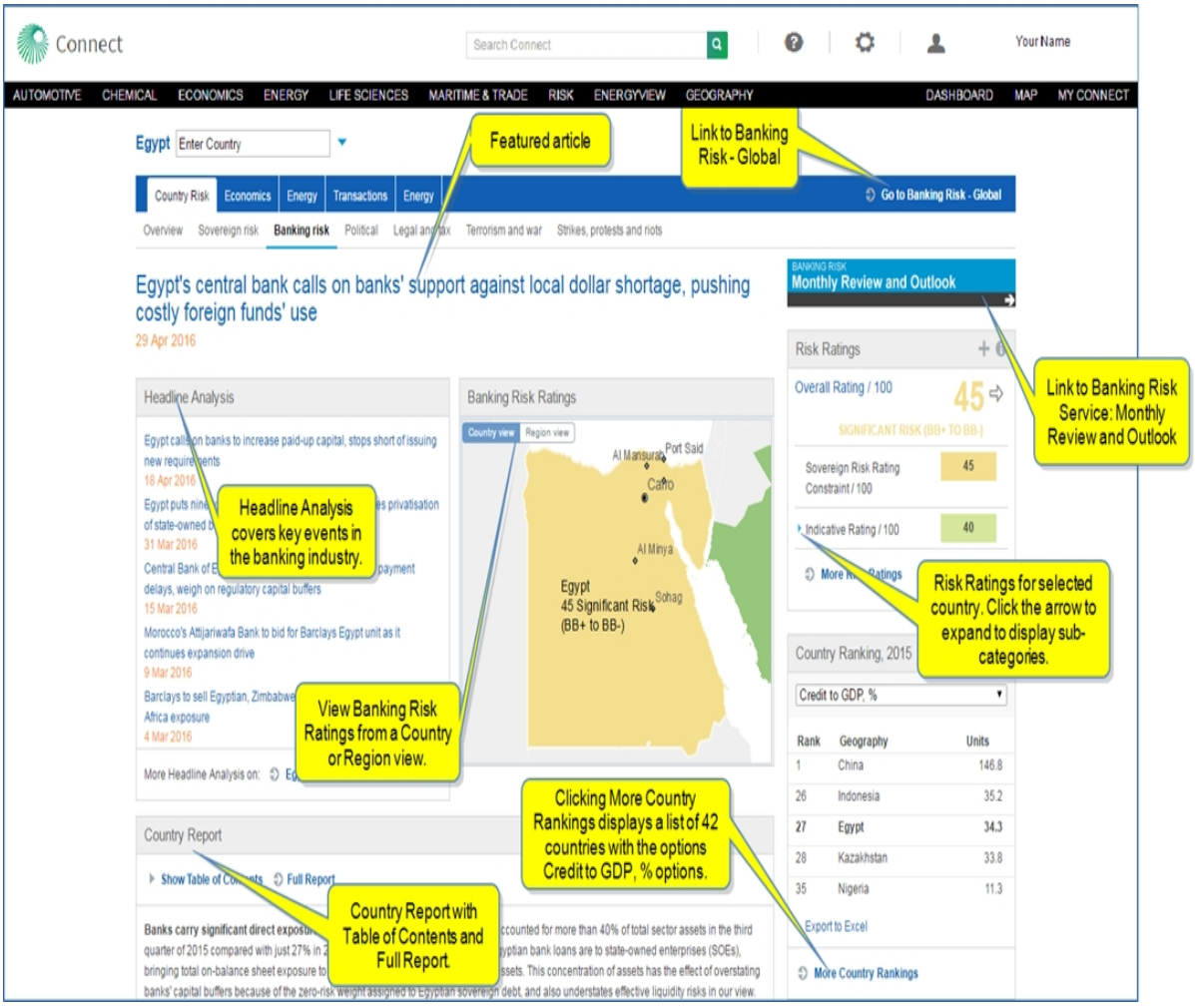
Scan IHS Events to find expert speaking engagements.

Banking Risk Country Profile

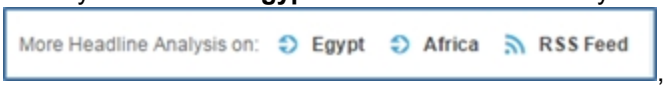
The Banking Risk landing page integrates relevant economic and country risk data through charts that improve access to broad content for banking countries. Relevant information for 42 counties is displayed in interactive charts and full banking sector reports. Key events for 71 additional frontier and emerging market banking sectors (71 countries) are available through Headline Analysis.

The following modules are available on the Banking Risk page:

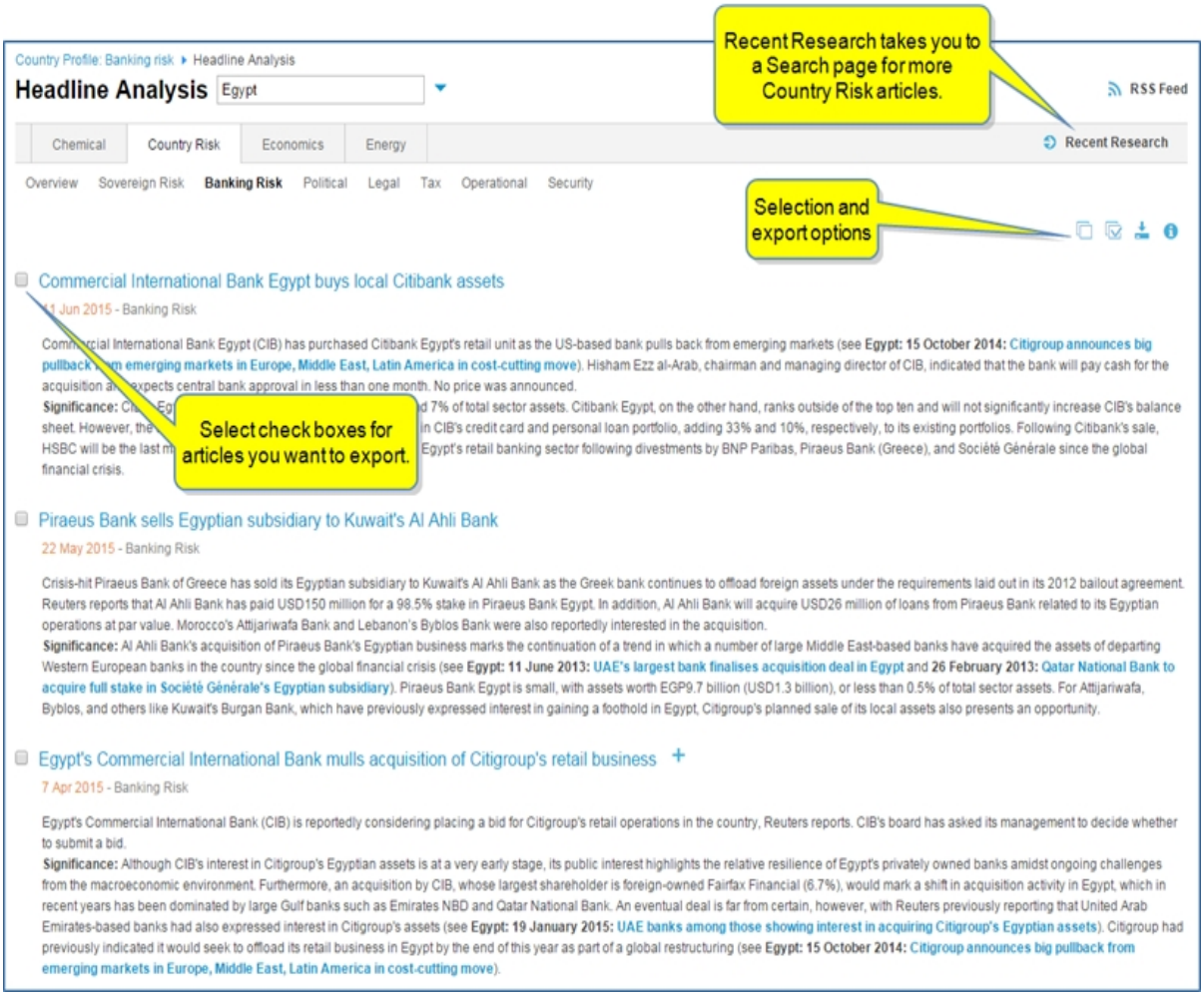
- Standard modules: Featured Headline, possible Announcement, Headline Analysis, Service Bulletins, IHS Events, and Methodology & Glossary
- Banking Risk Ratings
- Risk Ratings
- Country Report: Primary Risks
- Country Rankings, 2014
- Regional Comparison
- Key Banking Indicators
- Key Data

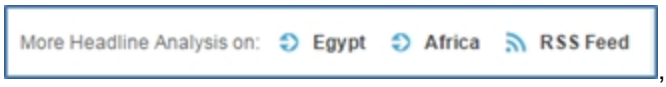

Connect
Search Connect
Your Name
AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY DASHBOARD MAP MY CONNECT
Egypt Enter Country
Featured article
Link to Banking Risk - Global
Country Risk Economics Energy Transactions Energy
Go to Banking Risk - Global
Overview Sovereign risk Banking risk Political Legal and tax Terrorism and war Strikes, protests and riots
Egypt's central bank calls on banks' support against local dollar shortage, pushing costly foreign funds' use
29 Apr 2016
BANKING RISK
Monthly Review and Outlook
Risk Ratings
Overall Rating / 100
45
SIGNIFICANT RISK (BB+ TO BB-)
Sovereign Risk Rating Constraint / 100
45
Indicative Rating / 100
40
Link to Banking Risk Service: Monthly Review and Outlook
Risk Ratings for selected country. Click the arrow to expand to display sub-categories.
Headline Analysis
Egypt calls on banks to increase paid-up capital, stops short of issuing new requirements
18 Apr 2016
31 Mar 2016
15 Mar 2016
Morocco's Attijariwafa Bank to bid for Barclays Egypt unit as it continues expansion drive
9 Mar 2016
Barclays to sell Egyptian, Zimbabwe Africa exposure
4 Mar 2016
More Headline Analysis on:
Headline Analysis covers key events in the banking industry.
Banking Risk Ratings
Country view Region view
Al Mansurah Port Said Cairo Al Minya Sohag
Egypt
45 Significant Risk
(BB+ to BB-)
View Banking Risk Ratings from a Country or Region view.
Country Ranking, 2015
Credit to GDP, %
Rank Geography Units
1 China 146.8
26 Indonesia 35.2
27 Egypt 34.3
28 Kazakhstan 33.8
35 Nigeria 11.3
Export to Excel
More Country Rankings
Clicking More Country Rankings displays a list of 42 countries with the options Credit to GDP, % options.
Country Report
Show Table of Contents Full Report
Banks carry significant direct exposu
quarter of 2015 compared with just 27% in 2
bringing total on-balance sheet exposure to
banks' capital buffers because of the zero-risk weight assigned to Egyptian sovereign debt, and also understates effective liquidity risks in our view.
ccounted for more than 40% of total sector assets in the third
yptian bank loans are to state-owned enterprises (SOEs),
ssets. This concentration of assets has the effect of overstating
Country Report with Table of Contents and Full Report.

When you select the **Egypt** link under Headline Analysis



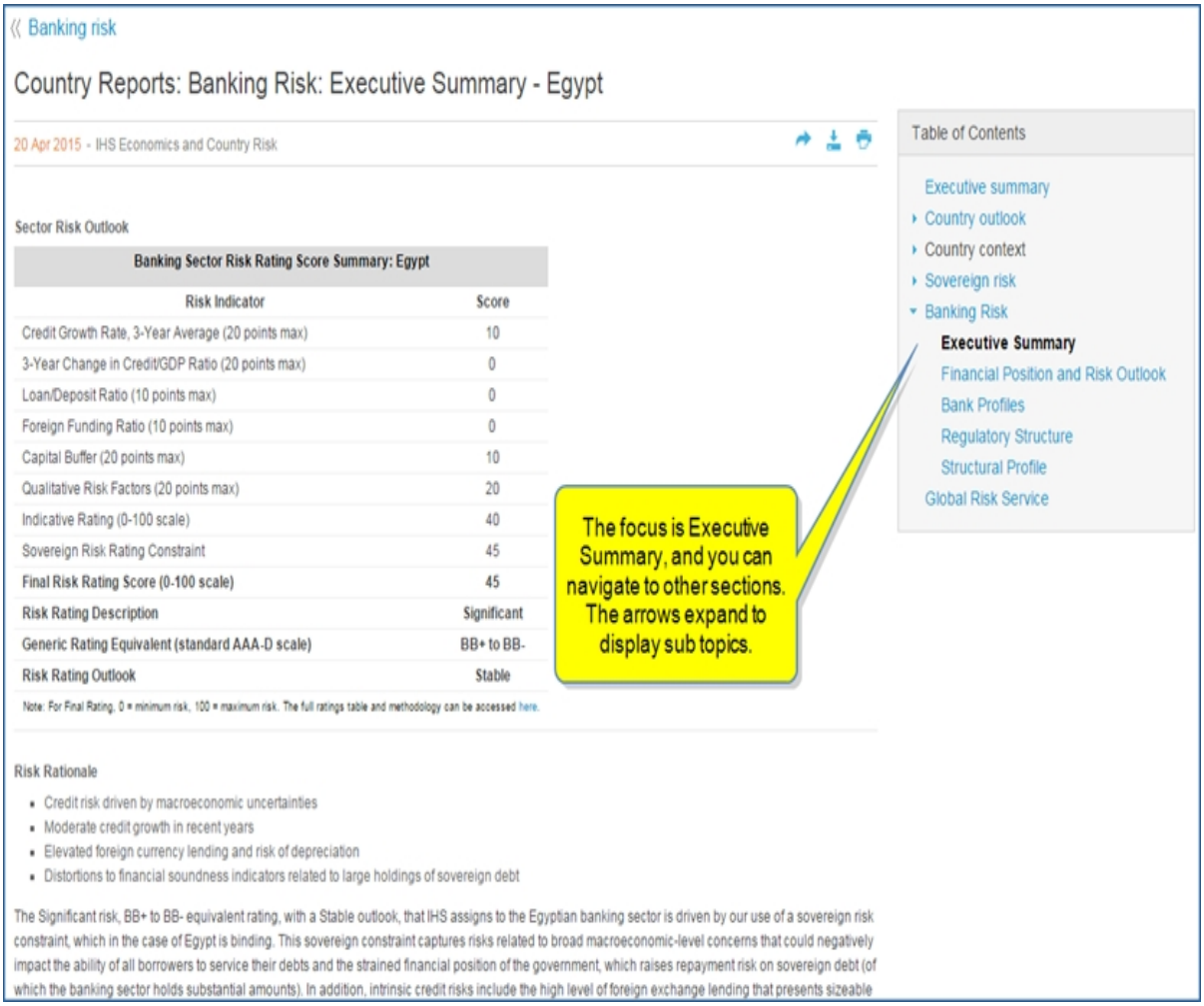
, you are redirected to a Headline Analysis maximum view with more Banking Risk articles listed for Egypt. There are options to select and export.



When you select **Africa** under Headline Analysis 

, more Banking Risk articles are listed for Africa with options to select and export.

When you select **Full Report** under Country Report: Primary Risks, the Country Reports: Banking Risk: Executive Summary - Egypt is displayed. A Table of Contents displays linked topics to other sections of the Country Report.



Country Ranking

The Country Ranking module provides a tabular display of relative placement of selected country in comparison to regional peers for a single year, defaulting to Credit to GDP, percent. Selected country is bold in the table.

Regional Comparison

The Regional Comparison module displays key ratio of selected country to regional peers, defaulting to Credit to GDP chart for 2014 but allowing you to chart historical year data. Each chart can be customized in the chart editor, exported to Excel or PowerPoint, or further investigated in Data Browser. The Menu bar opens the dialog box that provides links for exporting, printing, editing the chart, or browsing the data.

Key Banking Indicators

The Key Banking Indicators module defaults to the Credit Growth chart. Each chart can be customized in the chart editor, exported to Excel or PowerPoint, or further investigated in Data Browser. The Menu bar opens the dialog box that provides links for exporting, printing, editing the chart, or browsing the data.

Key Data

The Key Data module depicts select data series in a table, allowing you to quickly assess historical country trends. The Menu bar opens the dialog box that provides links for exporting the data.

Countries covered

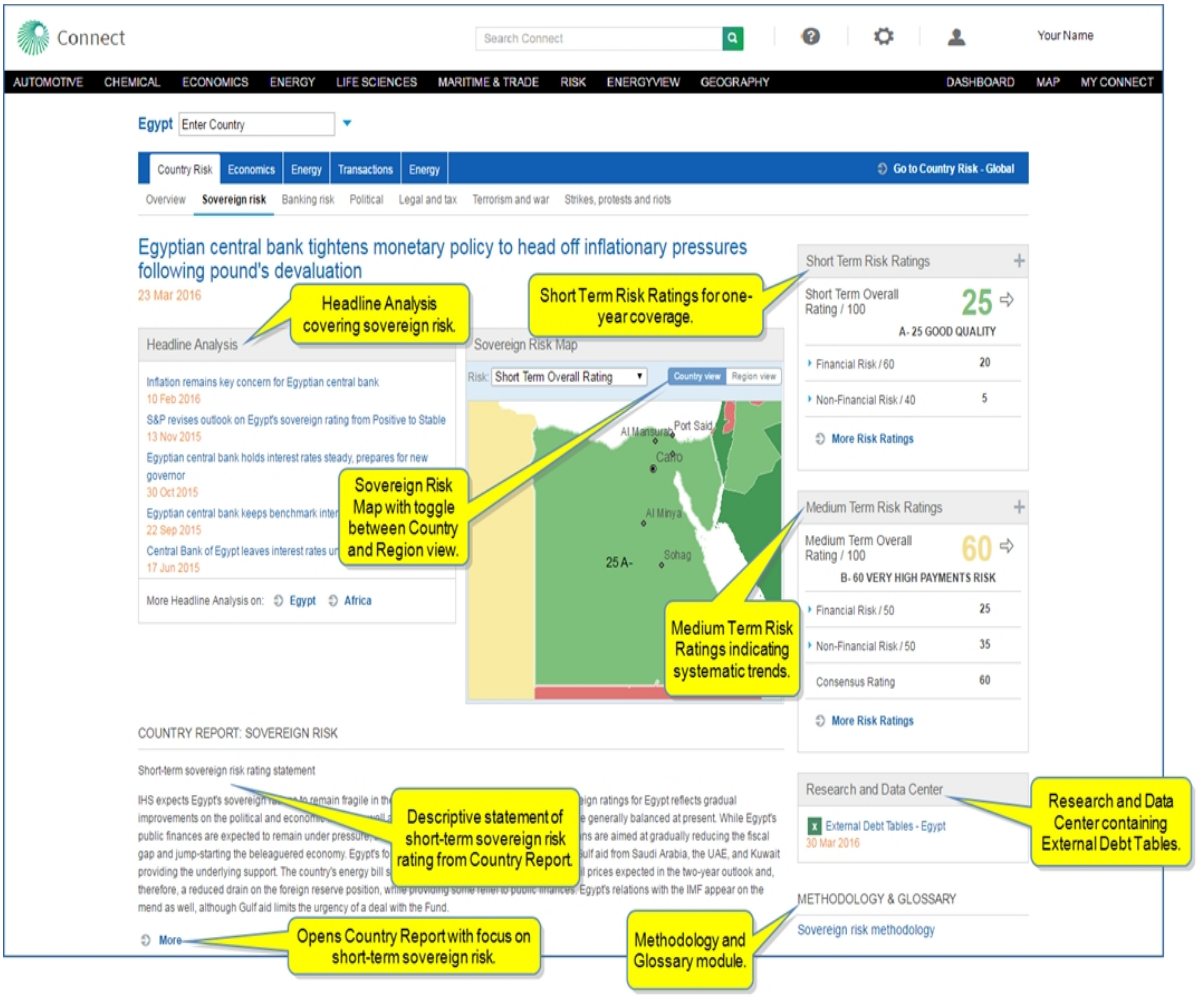
The following countries are covered in depth through the interactive charts and full banking sector reports: Argentina, Azerbaijan, Brazil, Bulgaria, Cambodia, Chile, China, Colombia, Costa Rica, Croatia, Czech Republic, Ecuador, Egypt, Ghana, Hungary, India, Indonesia, Kazakhstan, Kenya, Kuwait, Malaysia, Mexico, Nigeria, Pakistan, Peru, Philippines, Poland, Qatar, Romania, Russia, Saudi Arabia, Serbia, Slovakia, South Africa, Taiwan, Thailand, Turkey, UAE, Ukraine, Uruguay, Venezuela, Vietnam

Key information for additional countries covered in Headline Analysis is available for the following countries: Afghanistan, Albania, Algeria, Angola, Armenia, Bahrain, Bangladesh, Belarus, Belize, Benin, Bolivia, Bosnia and Herzegovina, Botswana, Burkina Faso, Burundi, Cameroon, Chad, Cote D'Ivoire, Dominican Republic, DR Congo, El Salvador, Estonia, Ethiopia, Georgia, Guatemala, Guinea, Guyana, Haiti, Honduras, Iran, Iraq, Jamaica, Jordan, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Malawi, Mali, Mauritius, Moldova, Mongolia, Morocco, Montenegro, Mozambique, Myanmar, Namibia, Nepal, Nicaragua, Niger, Oman, Panama, Paraguay, Rwanda, Sierra Leone, Slovenia, Sri Lanka, Sudan, Suriname, Syria, Tanzania, Togo, Trinidad and Tobago, Tunisia, Uganda, Zambia, Zimbabwe

Sovereign Risk Country Profile

The Sovereign Risk - Country page improves navigation between our country risk and sovereign risk analysis and ratings content. Use it for direct and quick access to dedicated topical content, including the following:

- Standard modules: Featured Headline, Headline Analysis, Research and Data Center, Methodology & Glossary, and IHS Events
- Sovereign Risk Map
- Short Term Risk Ratings, Medium Term Risk Ratings
- Country Report: Sovereign Risks
- Research and Data Center
- Sovereign Credit Ratios


Connect
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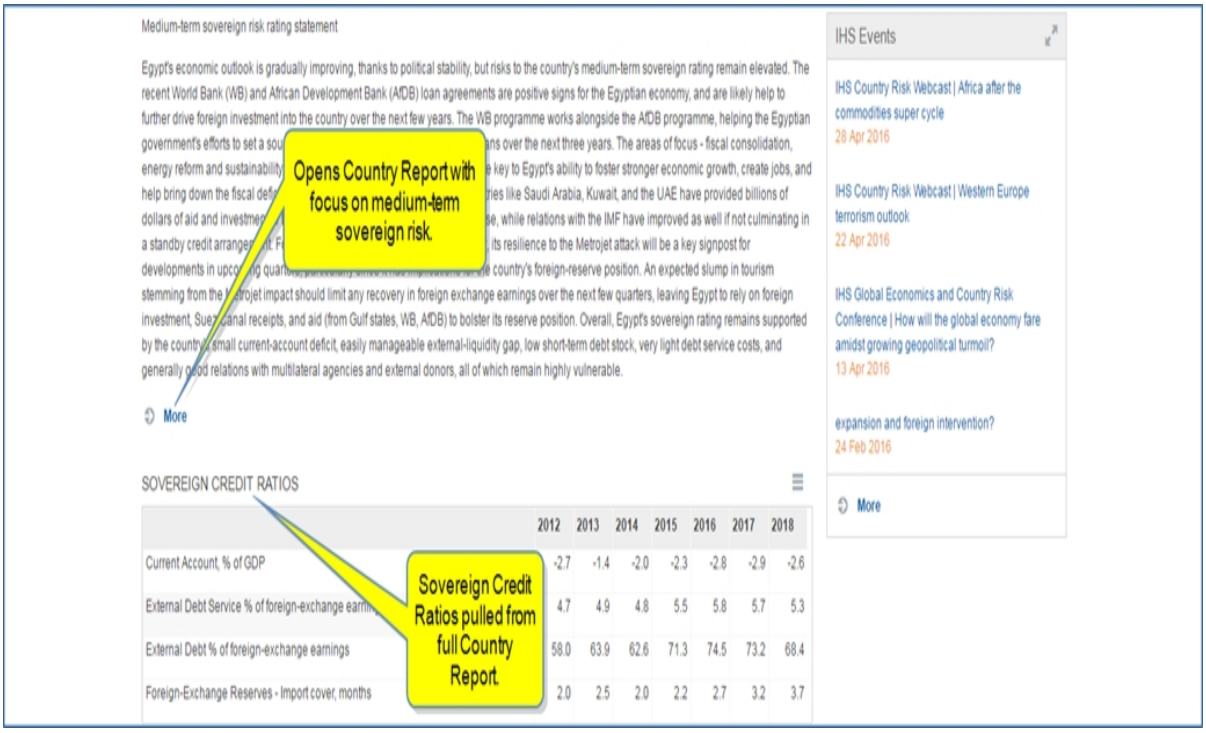
Your Name
AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY DASHBOARD MAP MY CONNECT
Egypt Enter Country
Country Risk Economics Energy Transactions Energy
Go to Country Risk - Global
Overview Sovereign risk Banking risk Political Legal and tax Terrorism and war Strikes, protests and riots
Egyptian central bank tightens monetary policy to head off inflationary pressures following pound's devaluation
23 Mar 2016
Headline Analysis covering sovereign risk.
Short Term Risk Ratings for one-year coverage.
Headline Analysis
Inflation remains key concern for Egyptian central bank
10 Feb 2016
S&P revises outlook on Egypt's sovereign rating from Positive to Stable
13 Nov 2015
Egyptian central bank holds interest rates steady, prepares for new governor
30 Oct 2015
Egyptian central bank keeps benchmark inter
22 Sep 2015
Central Bank of Egypt leaves interest rates un
17 Jun 2015
More Headline Analysis on: Egypt Africa
Sovereign Risk Map
Risk: Short Term Overall Rating
Country view Region view
Al Mansurah Port Said Cairo Al Minya Sohag 25 A-
Sovereign Risk Map with toggle between Country and Region view.
Short Term Risk Ratings
Short Term Overall Rating / 100
25
A- 25 GOOD QUALITY
Financial Risk / 60 20
Non-Financial Risk / 40 5
More Risk Ratings
Medium Term Risk Ratings
Medium Term Overall Rating / 100
60
B- 60 VERY HIGH PAYMENTS RISK
Financial Risk / 50 25
Non-Financial Risk / 50 35
Consensus Rating 60
More Risk Ratings
Medium Term Risk Ratings indicating systematic trends.
COUNTRY REPORT: SOVEREIGN RISK
Short-term sovereign risk rating statement
Descriptive statement of short-term sovereign risk rating from Country Report.
Research and Data Center
External Debt Tables - Egypt
30 Mar 2016
Research and Data Center containing External Debt Tables.
METHODOLOGY & GLOSSARY
Sovereign risk methodology
Methodology and Glossary module.
More
Opens Country Report with focus on short-term sovereign risk.



Featured Headline

Sovereign Risk begins with a featured headline across the top of the page. Click the title link to read the entire article.

Headline Analysis

Links to the latest Headline Analysis about Egypt and sovereign risk articles are listed in the left of the center section.

Click **More Headline Analysis on:** Country **Egypt** or Region **Africa** for more articles.

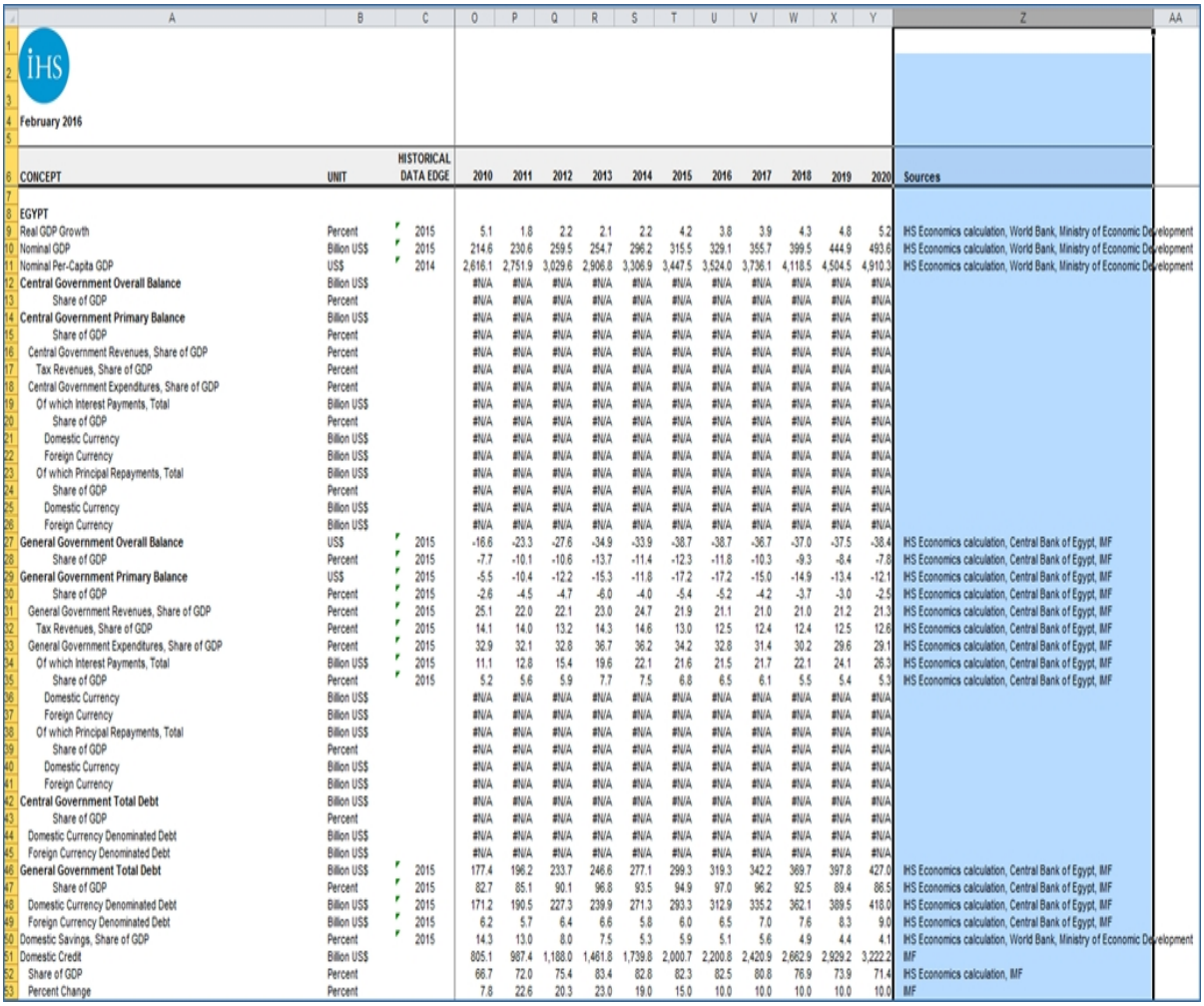
We have enhanced the Headline Analysis experience. When you click the **More Headline Analysis** link, the features will be available in a new layout. Check back soon for updated Help information on this new and enhanced page.

Sovereign Risk Map

The Sovereign risk map highlights ratings at the country and region level.

Research and Data Center

The Research and Data Center module provides links to external debt tables regarding Egypt. When you click the link, an Excel spreadsheet displaying concepts and data over a time period.



February 2016

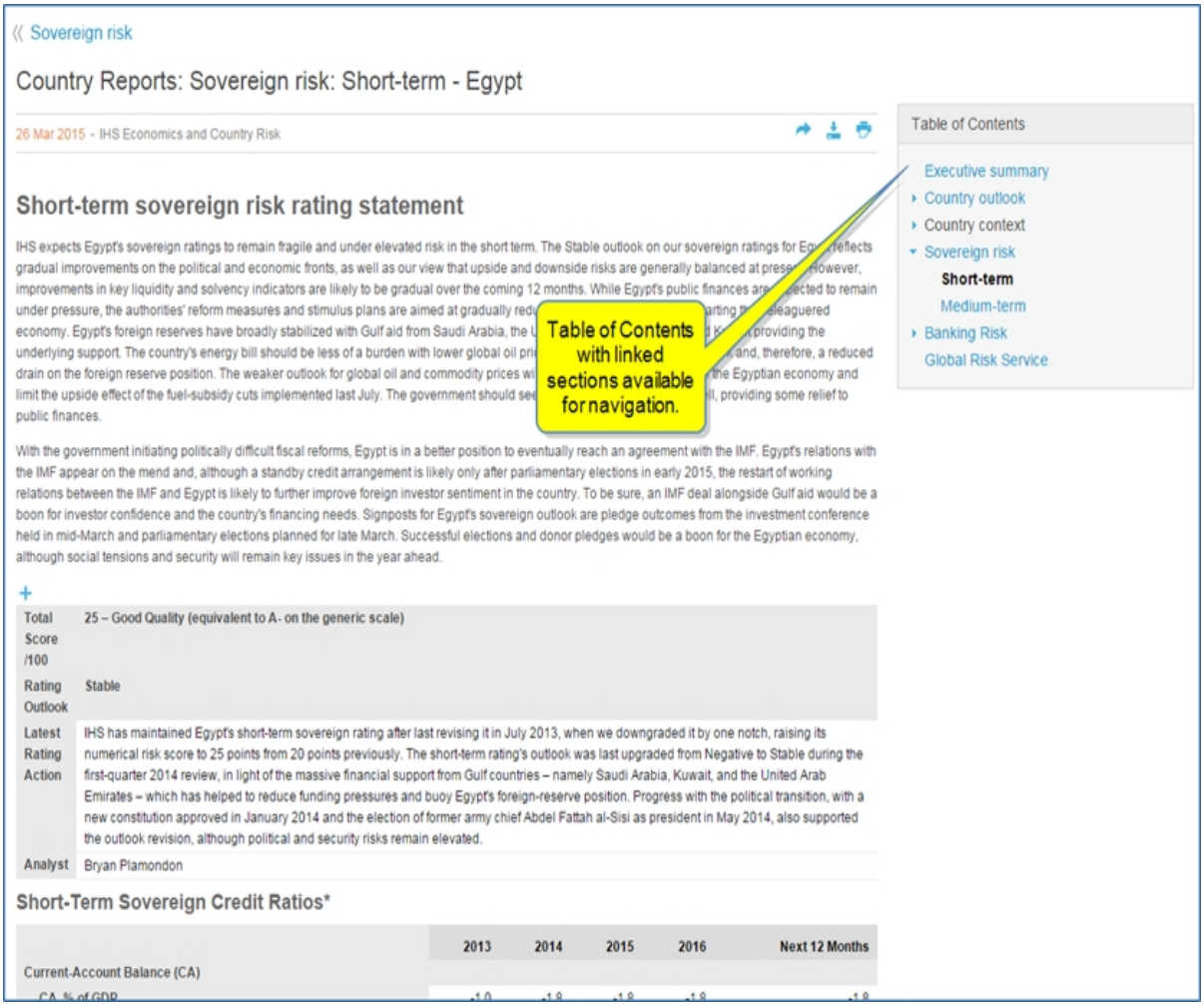
CONCEPT	UNIT	HISTORICAL DATA EDGE	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Sources
EGYPT														
Real GDP Growth	Percent	2015	5.1	1.8	2.2	2.1	2.2	4.2	3.8	3.9	4.3	4.8	5.2	IHS Economics calculation, World Bank, Ministry of Economic Development
Nominal GDP	Billion US$	2015	214.6	230.6	259.5	254.7	296.2	315.5	329.1	355.7	399.5	444.9	493.6	IHS Economics calculation, World Bank, Ministry of Economic Development
Nominal Per-Capita GDP	US$	2014	2,616.1	2,751.9	3,029.6	2,906.8	3,306.9	3,447.5	3,524.0	3,736.1	4,118.5	4,504.5	4,910.3	IHS Economics calculation, World Bank, Ministry of Economic Development
Central Government Overall Balance	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Central Government Primary Balance	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Central Government Revenues, Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Tax Revenues, Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Central Government Expenditures, Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Of which Interest Payments, Total	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Domestic Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Foreign Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Of which Principal Repayments, Total	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Domestic Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Foreign Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
General Government Overall Balance	US$	2015	-16.6	-23.3	-27.6	-34.9	-33.9	-38.7	-38.7	-36.7	-37.0	-37.5	-38.4	IHS Economics calculation, Central Bank of Egypt, IMF
Share of GDP	Percent	2015	-7.7	-10.1	-10.6	-13.7	-11.4	-12.3	-11.8	-10.3	-9.3	-8.4	-7.8	IHS Economics calculation, Central Bank of Egypt, IMF
General Government Primary Balance	US$	2015	-5.5	-10.4	-12.2	-15.3	-11.8	-17.2	-17.2	-15.0	-14.9	-13.4	-12.1	IHS Economics calculation, Central Bank of Egypt, IMF
Share of GDP	Percent	2015	-2.6	-4.5	-4.7	-6.0	-4.0	-5.4	-5.2	-4.2	-3.7	-3.0	-2.5	IHS Economics calculation, Central Bank of Egypt, IMF
General Government Revenues, Share of GDP	Percent	2015	25.1	22.0	22.1	23.0	24.7	21.9	21.1	21.0	21.0	21.2	21.3	IHS Economics calculation, Central Bank of Egypt, IMF
Tax Revenues, Share of GDP	Percent	2015	14.1	14.0	13.2	14.3	14.6	13.0	12.5	12.4	12.4	12.5	12.6	IHS Economics calculation, Central Bank of Egypt, IMF
General Government Expenditures, Share of GDP	Percent	2015	32.9	32.1	32.8	36.7	36.2	34.2	32.8	31.4	30.2	29.6	29.1	IHS Economics calculation, Central Bank of Egypt, IMF
Of which Interest Payments, Total	Billion US$	2015	11.1	12.8	15.4	19.6	22.1	21.6	21.5	21.7	22.1	24.1	26.3	IHS Economics calculation, Central Bank of Egypt, IMF
Share of GDP	Percent	2015	5.2	5.6	5.9	7.7	7.5	6.8	6.5	6.1	5.5	5.4	5.3	IHS Economics calculation, Central Bank of Egypt, IMF
Domestic Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Foreign Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Of which Principal Repayments, Total	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Domestic Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Foreign Currency	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Central Government Total Debt	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Share of GDP	Percent		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Domestic Currency Denominated Debt	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
Foreign Currency Denominated Debt	Billion US$		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
General Government Total Debt	Billion US$	2015	177.4	196.2	233.7	246.6	277.1	299.3	319.3	342.2	369.7	397.8	427.0	IHS Economics calculation, Central Bank of Egypt, IMF
Share of GDP	Percent	2015	82.7	85.1	90.1	96.8	93.5	94.9	97.0	96.2	92.5	89.4	86.5	IHS Economics calculation, Central Bank of Egypt, IMF
Domestic Currency Denominated Debt	Billion US$	2015	171.2	190.5	227.3	239.9	271.3	293.3	312.9	335.2	362.1	389.5	418.0	IHS Economics calculation, Central Bank of Egypt, IMF
Foreign Currency Denominated Debt	Billion US$	2015	6.2	5.7	6.4	6.6	5.8	6.0	6.5	7.0	7.6	8.3	9.0	IHS Economics calculation, Central Bank of Egypt, IMF
Domestic Savings, Share of GDP	Percent	2015	14.3	13.0	8.0	7.5	5.3	5.9	5.1	5.6	4.9	4.4	4.1	IHS Economics calculation, World Bank, Ministry of Economic Development
Domestic Credit	Billion US$		805.1	987.4	1,188.0	1,461.8	1,739.8	2,000.7	2,200.8	2,420.9	2,662.9	2,929.2	3,222.2	IMF
Share of GDP	Percent		66.7	72.0	75.4	83.4	82.8	82.3	82.5	80.8	76.9	73.9	71.4	IHS Economics calculation, IMF
Percent Change	Percent		7.8	22.6	20.3	23.0	19.0	15.0	10.0	10.0	10.0	10.0	10.0	IMF

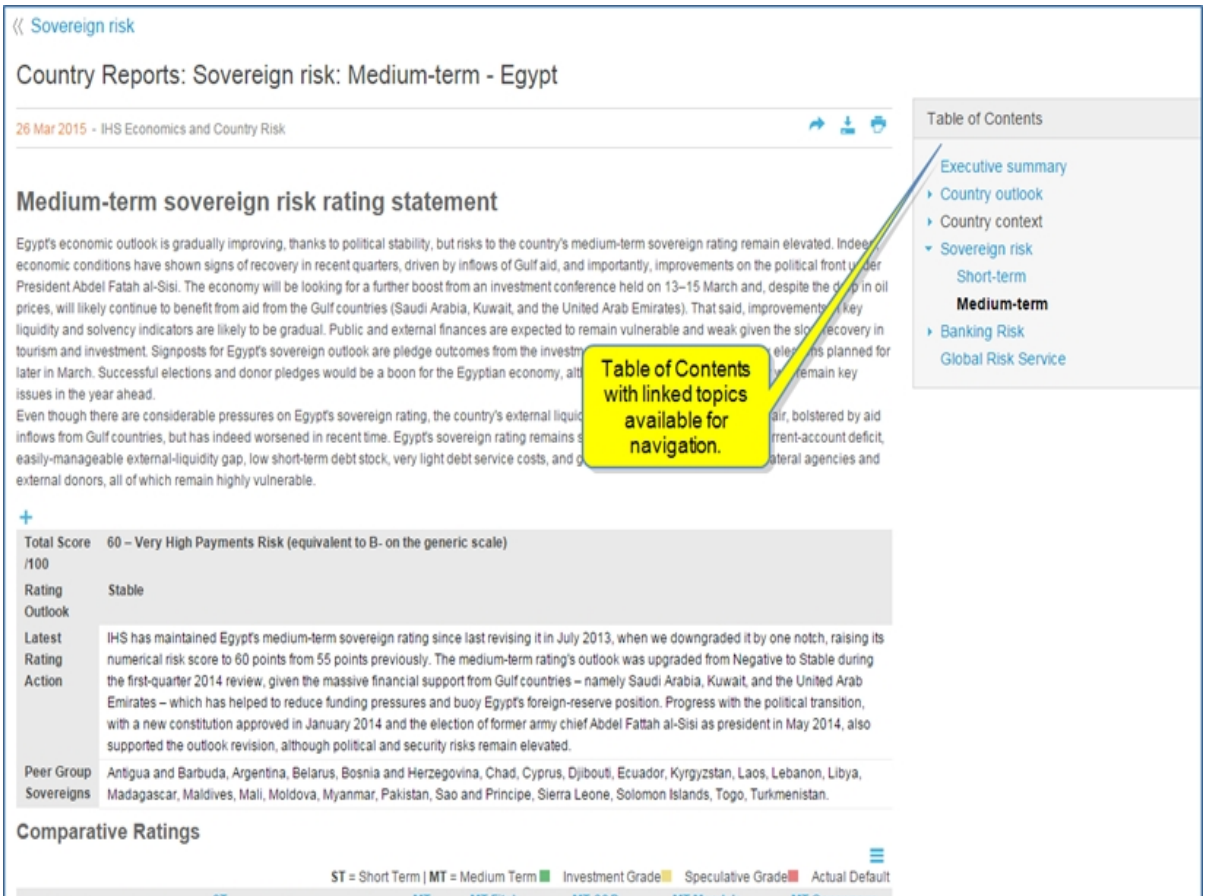
Short Term Risk Ratings, Medium Term Risk Ratings

The risk ratings modules provide country ratings and rankings statements with links to more detailed analysis.

Country Report: Sovereign Risk

The Country Report: Sovereign Risk gives you a short-term and a medium-term sovereign risk rating statement. When you click **More** for short and medium-term risk rating statements, the Country Report is displayed with focus on short or medium-term rating statements. Links in the Table of Contents allow you to navigate further through the report.


Sovereign risk
Country Reports: Sovereign risk: Short-term - Egypt
26 Mar 2015 - IHS Economics and Country Risk
Table of Contents
Executive summary
Country outlook
Country context
Sovereign risk
Short-term
Medium-term
Banking Risk
Global Risk Service
Table of Contents with linked sections available for navigation.
Short-term sovereign risk rating statement
Total Score /100
25 – Good Quality (equivalent to A- on the generic scale)
Rating Outlook
Stable
Latest Rating Action
Analyst
Bryan Plamondon
Short-Term Sovereign Credit Ratios*
2013
2014
2015
2016
Next 12 Months
Current-Account Balance (CA)


Sovereign risk
Country Reports: Sovereign risk: Medium-term - Egypt
26 Mar 2015 - IHS Economics and Country Risk
Table of Contents
Executive summary
Country outlook
Country context
Sovereign risk
Short-term
Medium-term
Banking Risk
Global Risk Service
Table of Contents with linked topics available for navigation.
Medium-term sovereign risk rating statement
Total Score /100
60 – Very High Payments Risk (equivalent to B- on the generic scale)
Rating Outlook
Stable
Latest Rating Action
Peer Group Sovereigns
Antigua and Barbuda, Argentina, Belarus, Bosnia and Herzegovina, Chad, Cyprus, Djibouti, Ecuador, Kyrgyzstan, Laos, Lebanon, Libya, Madagascar, Maldives, Mali, Moldova, Myanmar, Pakistan, Sao and Principe, Sierra Leone, Solomon Islands, Togo, Turkmenistan.
Comparative Ratings
ST = Short Term | MT = Medium Term
Investment Grade
Speculative Grade
Actual Default
ST
MT
MT Fitch
MT S&P
MT Moody's
MT Consensus

Sovereign Credit Ratios

Us the Sovereign Credit Ratios module to access detailed external debt tables and summary tables with key debt ratios.

Methodology & Glossary

Use Methodology & Glossary to review methodology behind and definitions around sovereign risk issues for the country you have chosen.

IHS Events

Scan IHS Events to find expert speaking engagements.

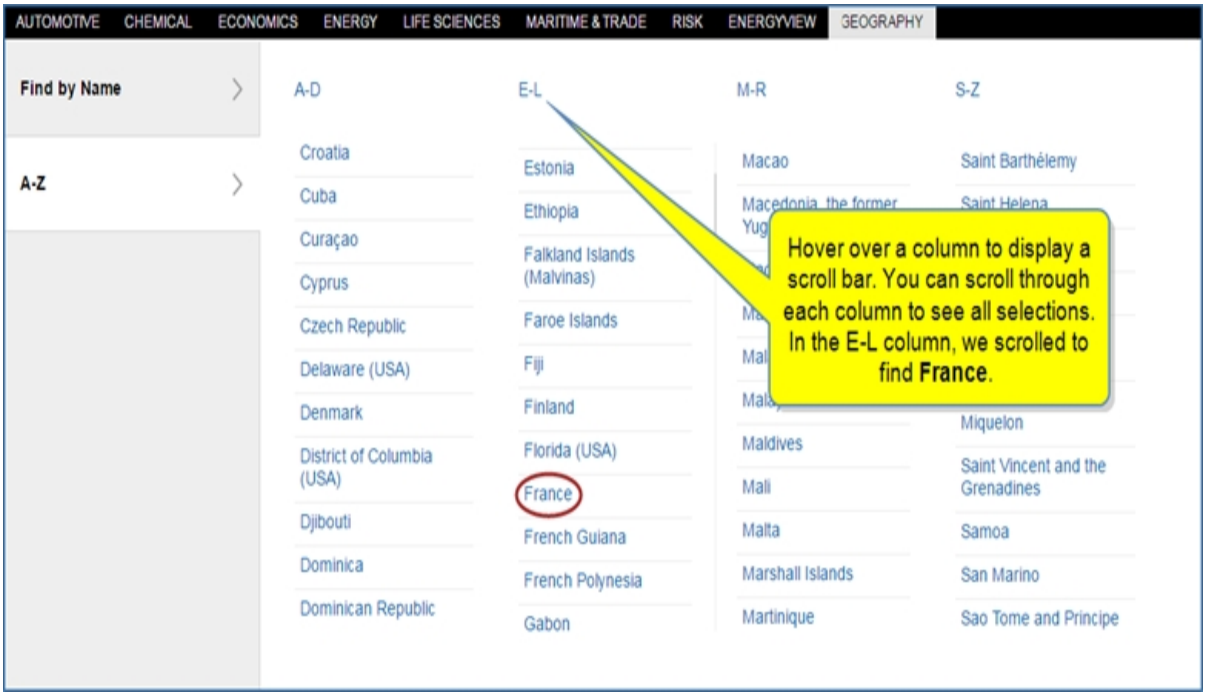
Consumer Markets Country Profile

Consumer Markets - Country highlights consumer spending, demographic trends, socioeconomic patterns, average income, and other relevant consumer indices for existing consumers. The information is presented visually through interactive charts and tables as well as through Headline Analysis articles. The Data Center module provides links to relevant consumer information for the country you choose to review and the region. Also in the Data Center module you find the link to the Global Consumer Executive Summary.

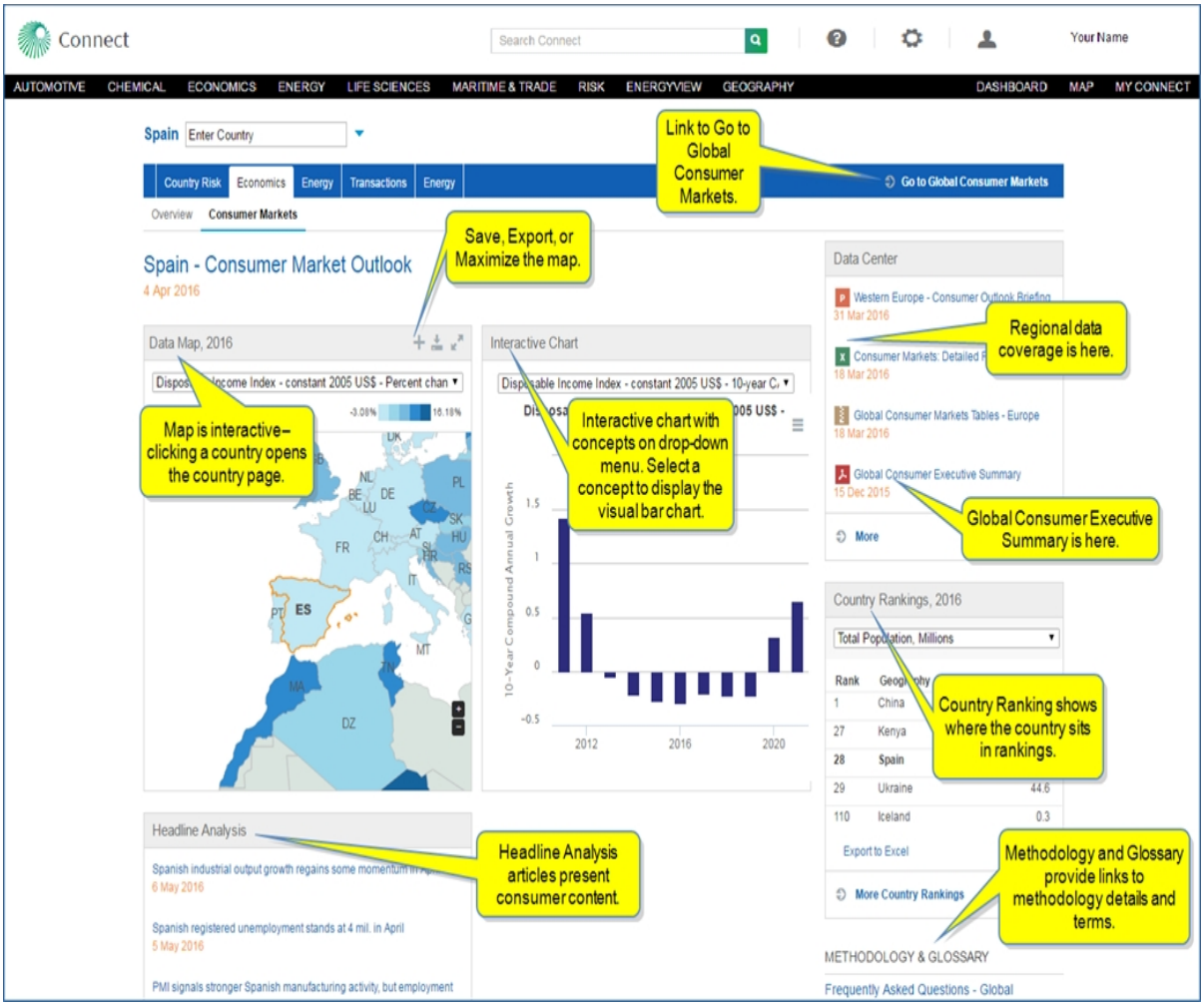
Access Consumer Markets for a country view from the Geography menu. Select a country by name or by using the A-Z selection panel.

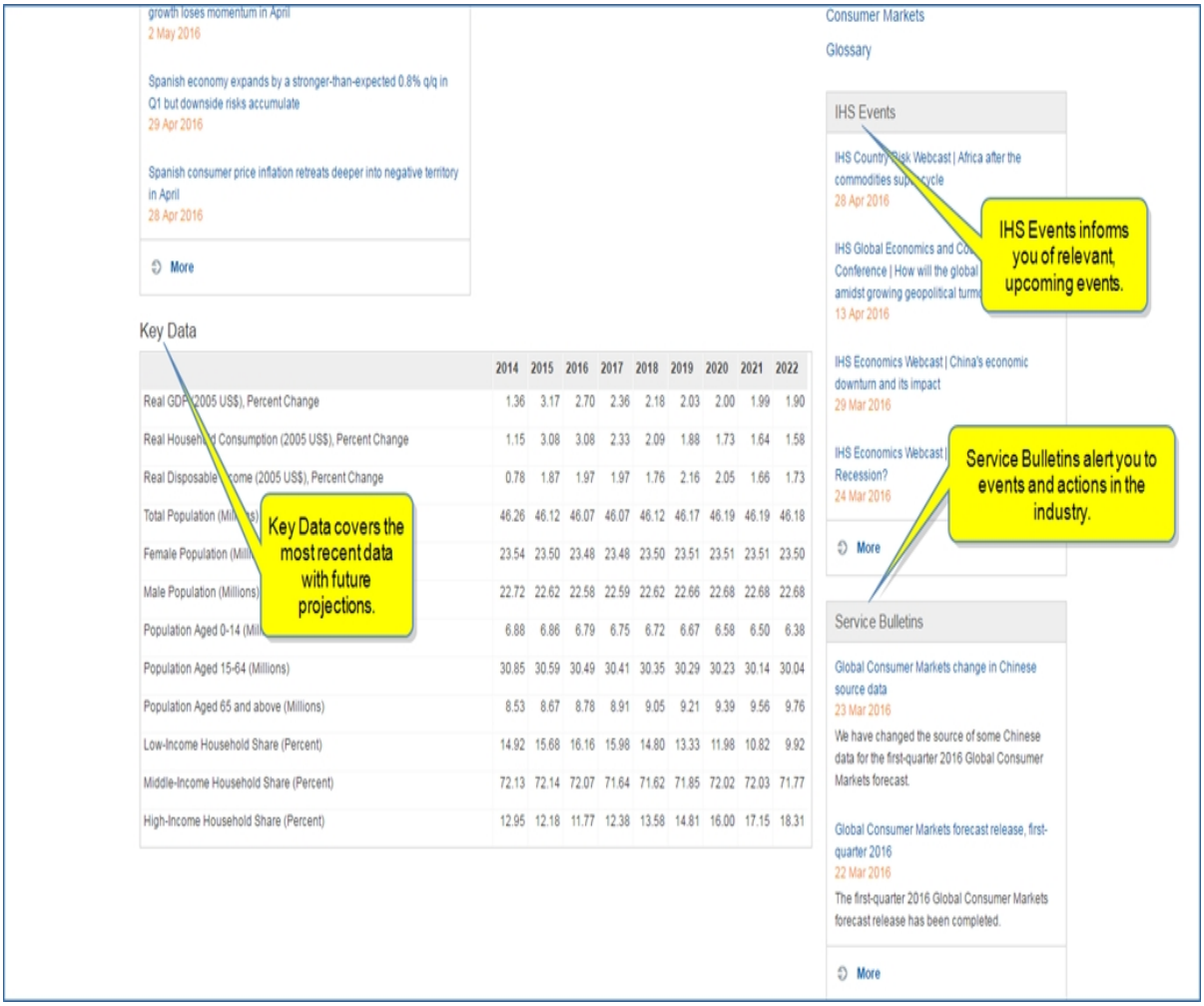
To find a country by name, start typing the name, and then select from the automated suggestions for your match that appear in the drop-down list. Your most recent selections are listed on the right.

When you hover over the A-Z selection, countries are listed in alphabetical order. Select one to display a profile.



Selecting Spain, the following country profile is displayed.


Connect
Search Connect
Your Name
AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY DASHBOARD MAP MY CONNECT
Spain Enter Country
Country Risk Economics Energy Transactions Energy
Go to Global Consumer Markets
Overview Consumer Markets
Spain - Consumer Market Outlook
4 Apr 2016
Link to Go to Global Consumer Markets.
Save, Export, or Maximize the map.
Data Map, 2016
Interactive Chart
Map is interactive– clicking a country opens the country page.
Interactive chart with concepts on drop-down menu. Select a concept to display the visual bar chart.
10-Year Compound Annual Growth
Data Center
Western Europe - Consumer Outlook Briefing
31 Mar 2016
Consumer Markets: Detailed
18 Mar 2016
Global Consumer Markets Tables - Europe
18 Mar 2016
Global Consumer Executive Summary
15 Dec 2015
More
Regional data coverage is here.
Global Consumer Executive Summary is here.
Country Rankings, 2016
Total Population, Millions
Rank
1 China
27 Kenya
28 Spain
29 Ukraine 44.6
110 Iceland 0.3
Export to Excel
More Country Rankings
Country Ranking shows where the country sits in rankings.
Headline Analysis
Spanish industrial output growth regains some momentum in
6 May 2016
Spanish registered unemployment stands at 4 mil. in April
5 May 2016
PMI signals stronger Spanish manufacturing activity, but employment
Headline Analysis articles present consumer content.
METHODOLOGY & GLOSSARY
Frequently Asked Questions - Global
Methodology and Glossary provide links to methodology details and terms.



	2014	2015	2016	2017	2018	2019	2020	2021	2022
Real GDP (2005 US$), Percent Change	1.36	3.17	2.70	2.36	2.18	2.03	2.00	1.99	1.90
Real Household Consumption (2005 US$), Percent Change	1.15	3.08	3.08	2.33	2.09	1.88	1.73	1.64	1.58
Real Disposable Income (2005 US$), Percent Change	0.78	1.87	1.97	1.97	1.76	2.16	2.05	1.66	1.73
Total Population (Millions)	46.26	46.12	46.07	46.07	46.12	46.17	46.19	46.19	46.18
Female Population (Millions)	23.54	23.50	23.48	23.48	23.50	23.51	23.51	23.51	23.50
Male Population (Millions)	22.72	22.62	22.58	22.59	22.62	22.66	22.68	22.68	22.68
Population Aged 0-14 (Millions)	6.88	6.86	6.79	6.75	6.72	6.67	6.58	6.50	6.38
Population Aged 15-64 (Millions)	30.85	30.59	30.49	30.41	30.35	30.29	30.23	30.14	30.04
Population Aged 65 and above (Millions)	8.53	8.67	8.78	8.91	9.05	9.21	9.39	9.56	9.76
Low-Income Household Share (Percent)	14.92	15.68	16.16	15.98	14.80	13.33	11.98	10.82	9.92
Middle-Income Household Share (Percent)	72.13	72.14	72.07	71.64	71.62	71.85	72.02	72.03	71.77
High-Income Household Share (Percent)	12.95	12.18	11.77	12.38	13.58	14.81	16.00	17.15	18.31

The following modules and links are available on the Consumer Markets page:

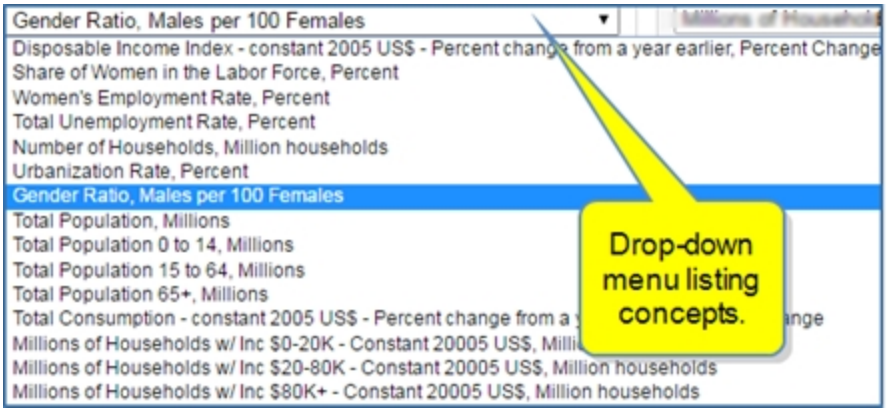
- Map
- Interactive chart
- Expert Profile and Expert Directory
- Data Center
- Headline Analysis
- Service Bulletins
- Country Ranking
- Methodology & Glossary
- IHS Events
- Key Data

Each of the modules provide consumer market data with a focus.

Map

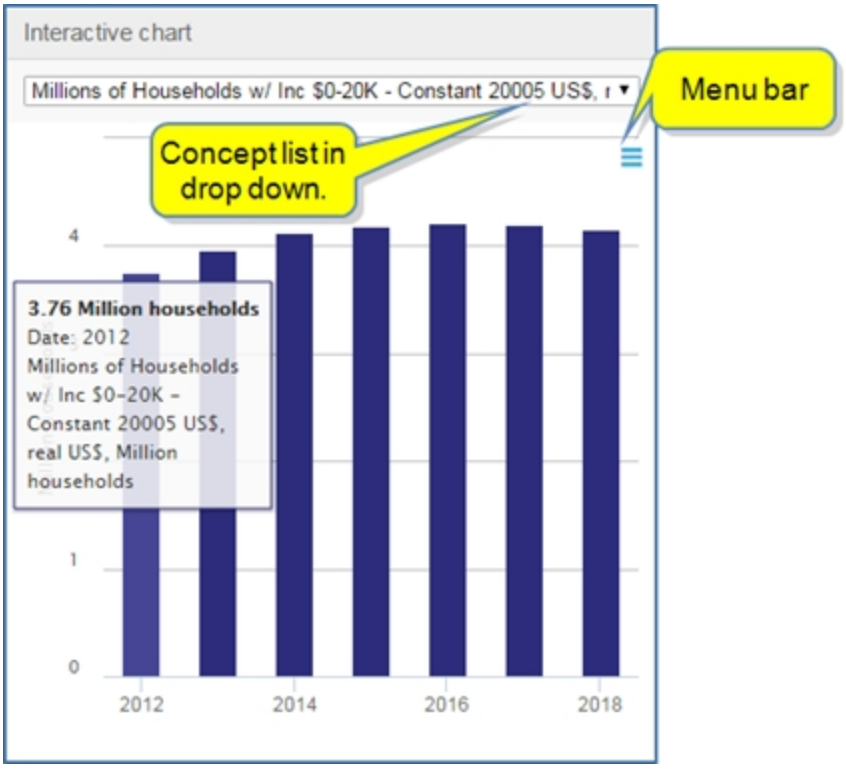
The interactive map lists several concepts in the drop-down menu. When you select a concept, the legend and color coding on the map update to reflect your choice. The following example displays the concept for Gender Ratio, Males per 100 Females. You can save the map to My Connect, export the map to image, PDF

or PowerPoint, and maximize the map to work with it on a full screen. Clicking a country opens the country profile page for your selection. When you save the chart, you can also put it in Report Builder.



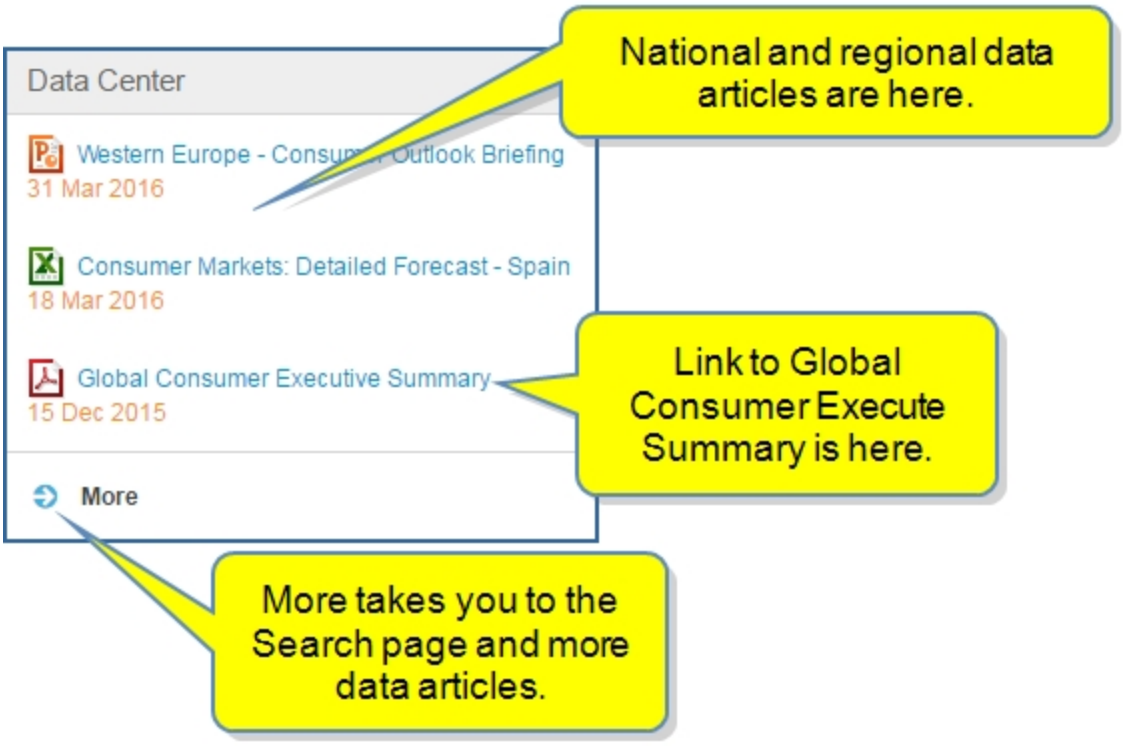
Interactive chart

The interactive chart displays a bar chart corresponding to your selection from the drop-down list. When you hover, details are displayed about points on the chart. Click the Menu bar to **Export to Image** or **PDF**, **Print** or **Save to My Connect**. When you save the chart, you can also put it in Report Builder.



Data Center

The Data Center module provides links to Global Consumer Executive Summary as well as files specific to the country and files with a regional focus. Clicking **More**, opens more Data Center documentation on the Search page.



Expert Directory

The link for IHS Expert Directory opens access to all experts in IHS Connect. You can sort by Sector, Regions, and subject fields. For more information about Expert Directory, see IHS Expert Directory.

Headline Analysis

Headline Analysis covers consumer markets for your chosen country. When you click **More**, the Search page is displayed with more consumer market articles.

Service Bulletins

Service Bulletins inform you about events related to consumer markets.

Country Ranking

Country Ranking shows where the chosen country ranks in comparison to other countries for the concept you have selected.

Methodology & Glossary

Methodology & Glossary provide links to details about how the analysis was compiled and how the terms are used.

IHS Events

IHS Events let you know about events coming up in the future that relate to consumer markets.

Key Data

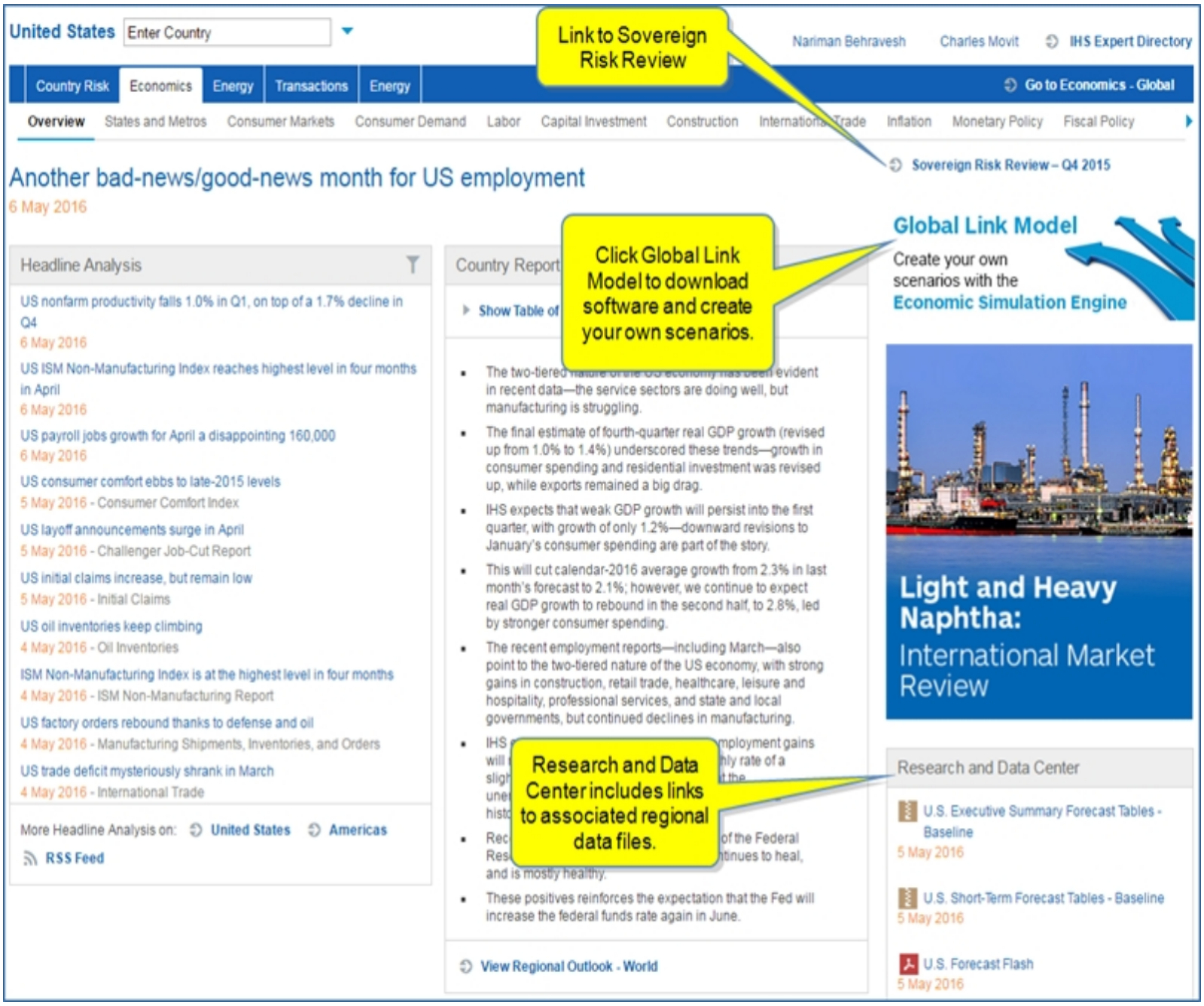
Key data presents, in table format, the most recent significant data and forecasts into the future.

Economics—U.S. Regional insights

The country profile page for the United States integrates U.S. Regional, U.S. Macro, and Country Intelligence service insights.

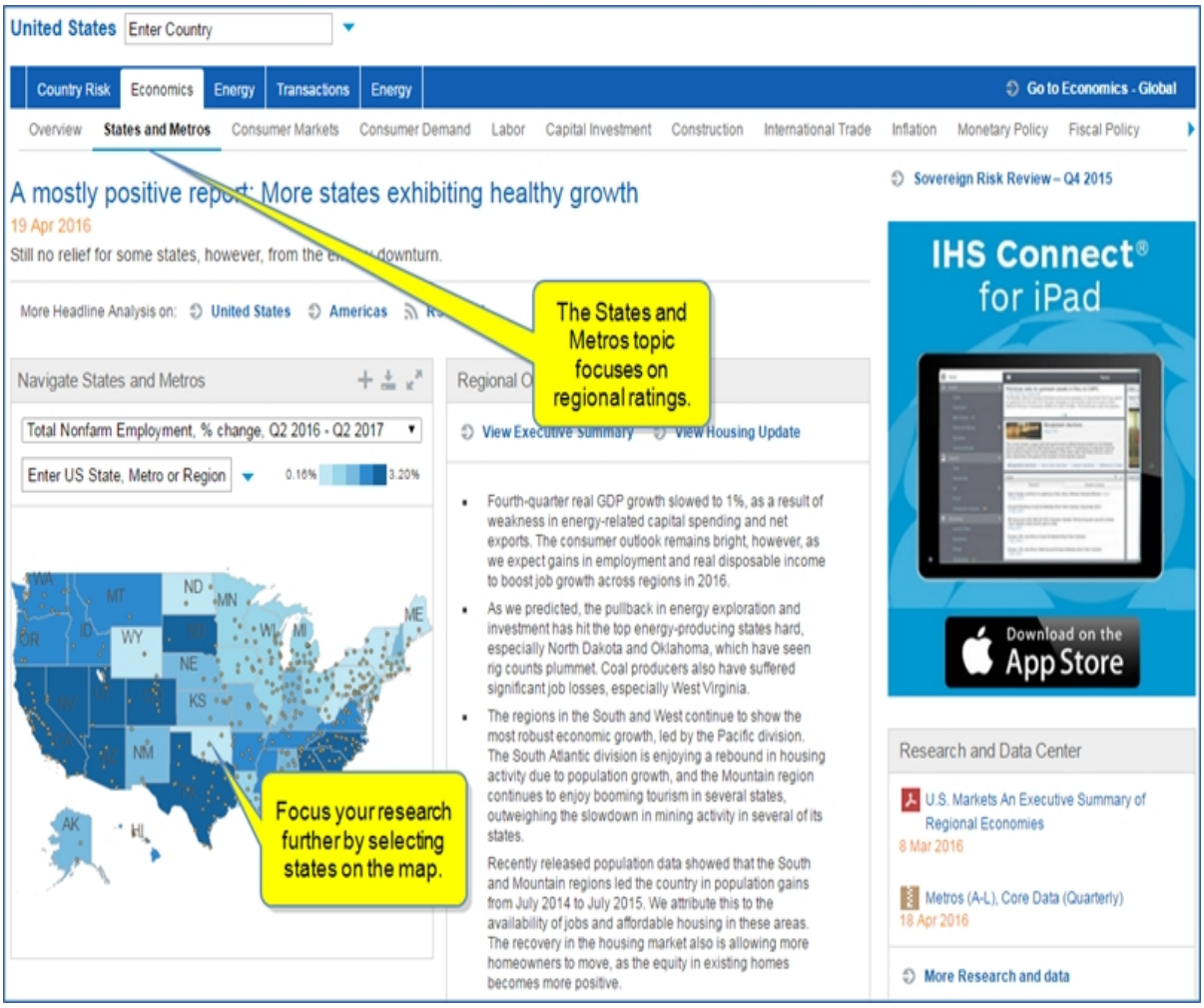
The Economics tab for United States contains a link to the Global Link Model and enhanced information in the Research and Data Center module. Numerous subtopics categorize information as follows and may vary based on your subscription.

- Overview
- States and Metros
- Consumer Markets
- Consumer Demand
- Labor
- Capital Investment
- Construction
- International Trade
- Inflation
- Monetary Policy
- Fiscal Policy
- Financial Markets

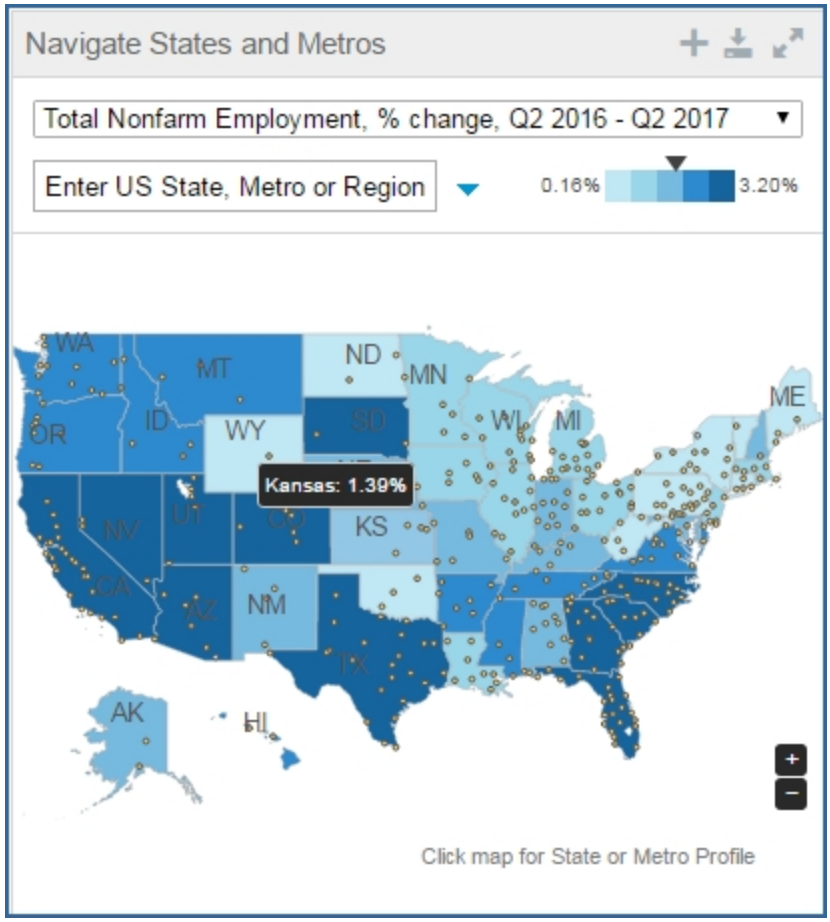


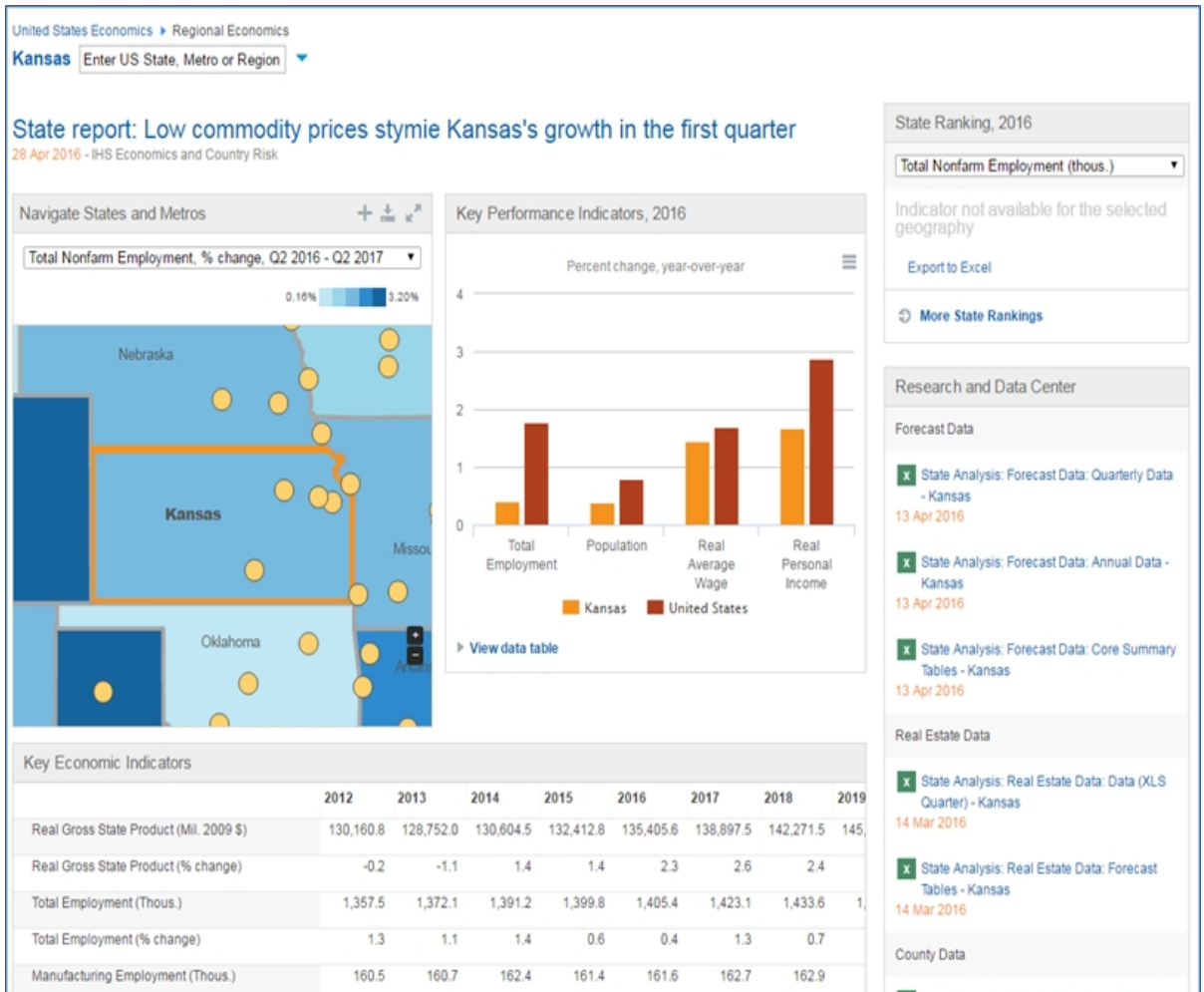
The States and Metros sub topic focuses on regional rankings and ratings. You'll find the following content modules on that page: Navigate States and Metros, Regional Overview Report, Research and Data Center, Research and Data Center, Special Reports, State Ranking Metro Ranking, IHS Events, Methodology & Glossary.

You can use the map to access a regional economics page for focused research. You also have continued access to U.S. Regional data through Data Browser.

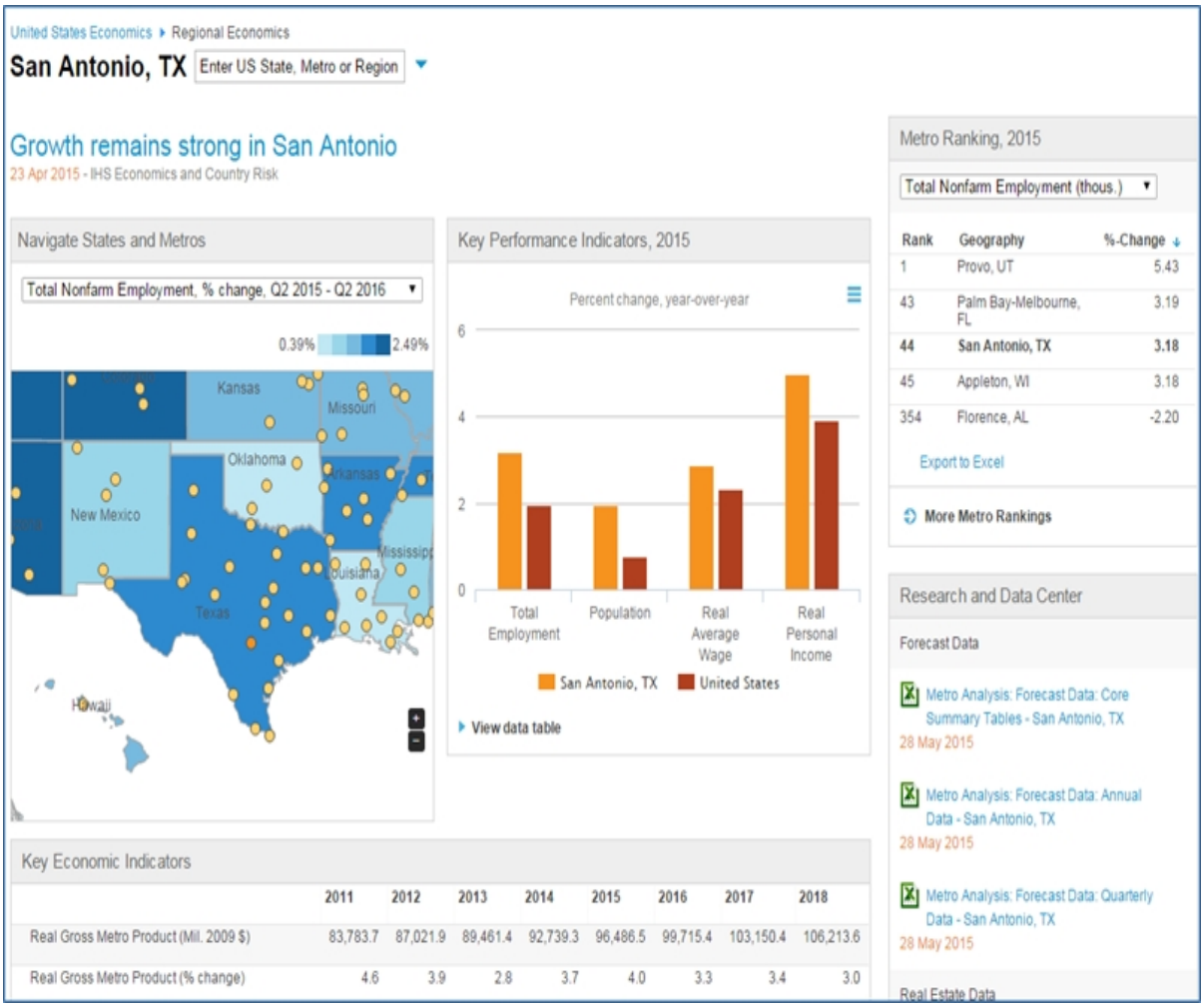


When you select a state for the map, key indicators and rankings are displayed. You can also select a particular dot on the map or enter the city or region in the field above the map to open a maximized view of additional information. Clicking Kansas will open a new map and Key Performance Indicators based on Kansas.

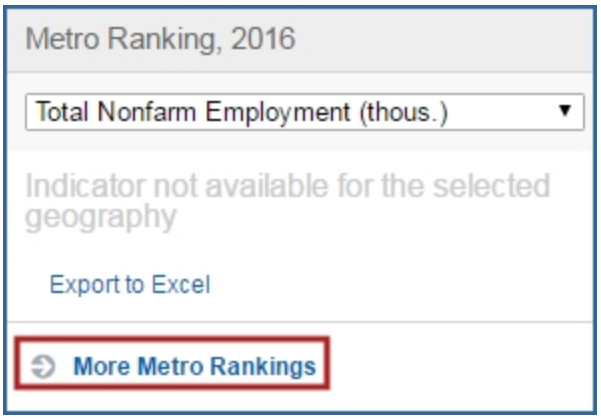

Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
Enter US State, Metro or Region
0.16%
3.20%
WA
MT
ND
MN
OR
ID
WY
SD
WI
MI
ME
Kansas: 1.39%
NV
UT
CO
KS
CA
AZ
NM
TX
AK
HI
Click map for State or Metro Profile


United States Economics ▸ Regional Economics
Kansas
Enter US State, Metro or Region
State report: Low commodity prices stymie Kansas's growth in the first quarter
28 Apr 2016 - IHS Economics and Country Risk
Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
0.16%
3.20%
Nebraska
Kansas
Oklahoma
Key Performance Indicators, 2016
Percent change, year-over-year
Total Employment
Population
Real Average Wage
Real Personal Income
Kansas
United States
View data table
State Ranking, 2016
Total Nonfarm Employment (thous.)
Indicator not available for the selected geography
Export to Excel
More State Rankings
Research and Data Center
Forecast Data
State Analysis: Forecast Data: Quarterly Data - Kansas
13 Apr 2016
State Analysis: Forecast Data: Annual Data - Kansas
13 Apr 2016
State Analysis: Forecast Data: Core Summary Tables - Kansas
13 Apr 2016
Real Estate Data
State Analysis: Real Estate Data: Data (XLS Quarter) - Kansas
14 Mar 2016
State Analysis: Real Estate Data: Forecast Tables - Kansas
14 Mar 2016
County Data
Key Economic Indicators
2012 2013 2014 2015 2016 2017 2018 2019
Real Gross State Product (Mil. 2009 $) 130,160.8 128,752.0 130,604.5 132,412.8 135,405.6 138,897.5 142,271.5
Real Gross State Product (% change) -0.2 -1.1 1.4 1.4 2.3 2.6 2.4
Total Employment (Thous.) 1,357.5 1,372.1 1,391.2 1,399.8 1,405.4 1,423.1 1,433.6
Total Employment (% change) 1.3 1.1 1.4 0.6 0.4 1.3 0.7
Manufacturing Employment (Thous.) 160.5 160.7 162.4 161.4 161.6 162.7 162.9

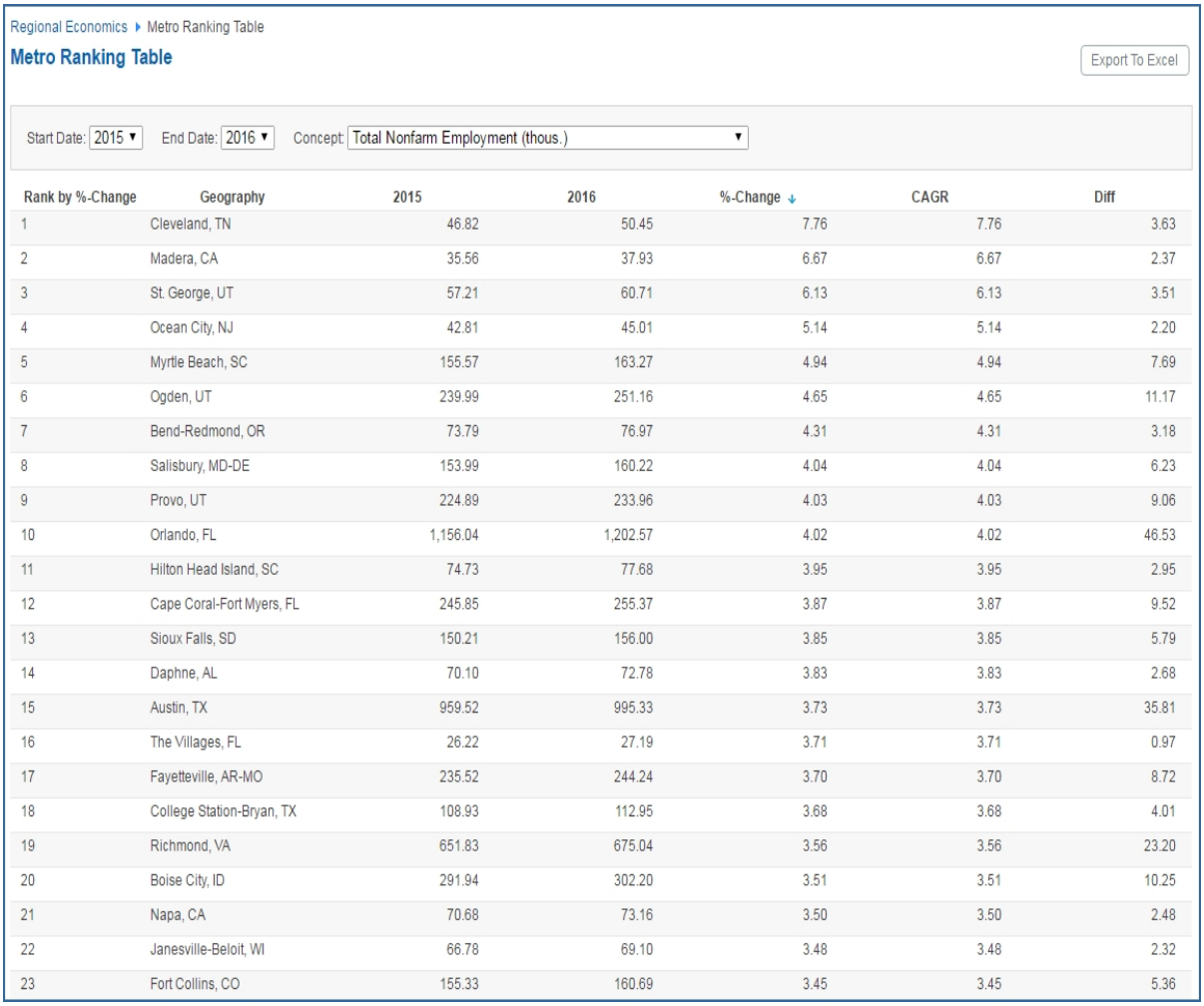
Selecting San Antonio displays details and comparisons in Key Performance Indicators, 2015, Metro Ranking, 2015, and Key Economic Indicators.



You can expand the rankings by clicking **More Metro Rankings**.



The result is more rankings and the ability to drill down into more information.



Regional Economics ▸ Metro Ranking Table

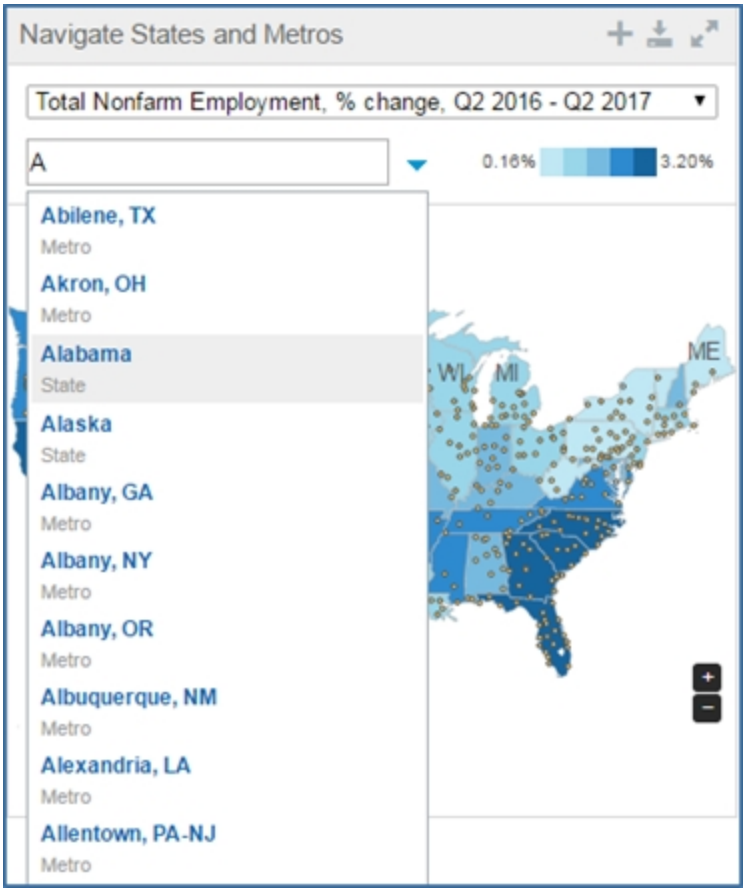
Metro Ranking Table

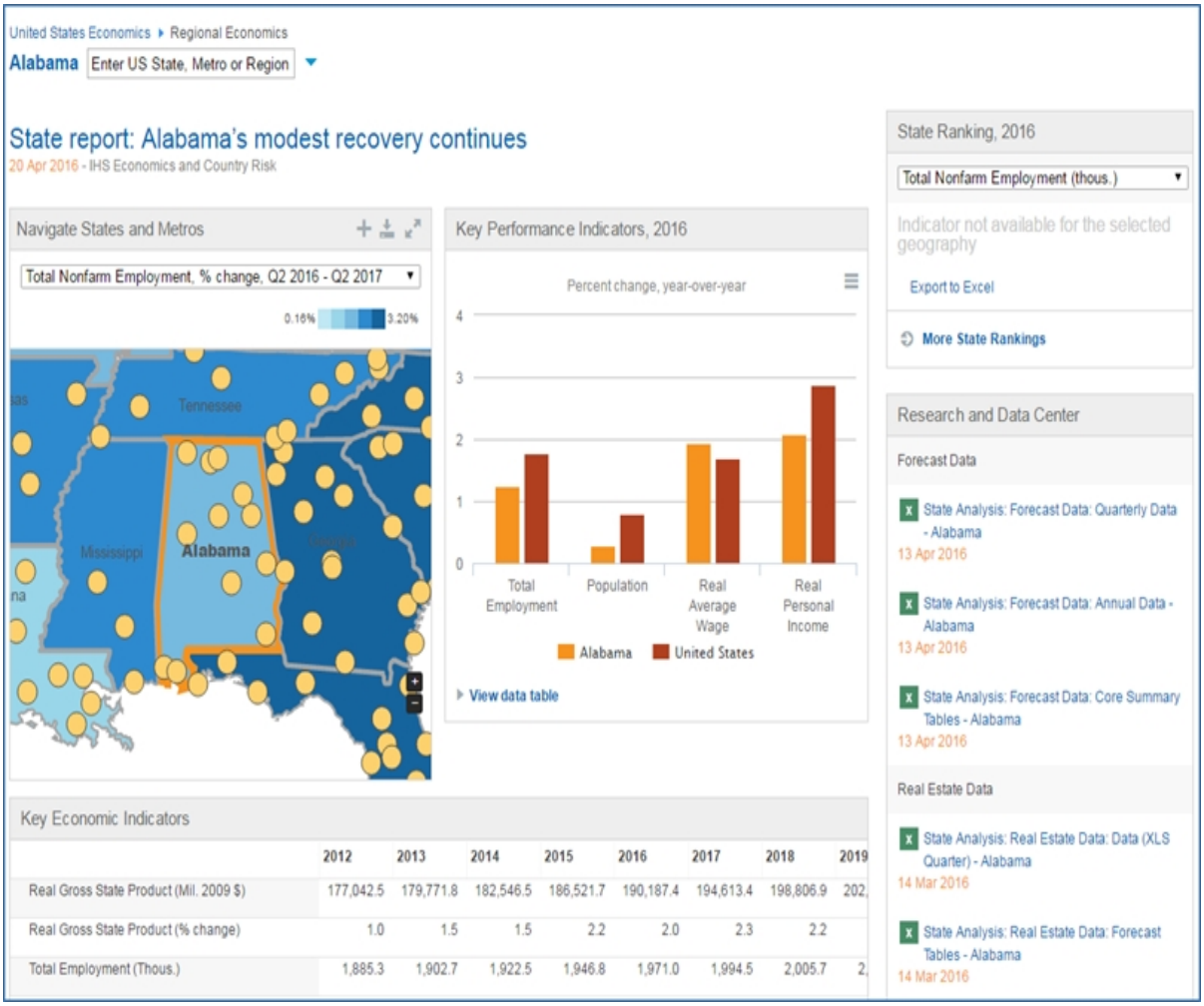
Export To Excel

Start Date: 2015 ▾ End Date: 2016 ▾ Concept: Total Nonfarm Employment (thous.) ▾

Rank by %-Change	Geography	2015	2016	%-Change ↓	CAGR	Diff
1	Cleveland, TN	46.82	50.45	7.76	7.76	3.63
2	Madera, CA	35.56	37.93	6.67	6.67	2.37
3	St. George, UT	57.21	60.71	6.13	6.13	3.51
4	Ocean City, NJ	42.81	45.01	5.14	5.14	2.20
5	Myrtle Beach, SC	155.57	163.27	4.94	4.94	7.69
6	Ogden, UT	239.99	251.16	4.65	4.65	11.17
7	Bend-Redmond, OR	73.79	76.97	4.31	4.31	3.18
8	Salisbury, MD-DE	153.99	160.22	4.04	4.04	6.23
9	Provo, UT	224.89	233.96	4.03	4.03	9.06
10	Orlando, FL	1,156.04	1,202.57	4.02	4.02	46.53
11	Hilton Head Island, SC	74.73	77.68	3.95	3.95	2.95
12	Cape Coral-Fort Myers, FL	245.85	255.37	3.87	3.87	9.52
13	Sioux Falls, SD	150.21	156.00	3.85	3.85	5.79
14	Daphne, AL	70.10	72.78	3.83	3.83	2.68
15	Austin, TX	959.52	995.33	3.73	3.73	35.81
16	The Villages, FL	26.22	27.19	3.71	3.71	0.97
17	Fayetteville, AR-MO	235.52	244.24	3.70	3.70	8.72
18	College Station-Bryan, TX	108.93	112.95	3.68	3.68	4.01
19	Richmond, VA	651.83	675.04	3.56	3.56	23.20
20	Boise City, ID	291.94	302.20	3.51	3.51	10.25
21	Napa, CA	70.68	73.16	3.50	3.50	2.48
22	Janesville-Beloit, WI	66.78	69.10	3.48	3.48	2.32
23	Fort Collins, CO	155.33	160.69	3.45	3.45	5.36

Entering the first letters of a state and then selecting the state from the automated suggestions takes you directly to the Country Profile > Economics > States and Metros page for the United States.


Navigate States and Metros
Total Nonfarm Employment, % change, Q2 2016 - Q2 2017
A
0.16%
3.20%
Abilene, TX
Metro
Akron, OH
Metro
Alabama
State
Alaska
State
Albany, GA
Metro
Albany, NY
Metro
Albany, OR
Metro
Albuquerque, NM
Metro
Alexandria, LA
Metro
Allentown, PA-NJ
Metro
WI
MI
ME



Economics Country Profile

The Geography > Economics page is organized in the same way as Country Risk with the focus of the content covering the macroeconomics of the country.

To view Economics—U.S. Regional insights, follow this link.

Research, analysis, and insight are communicated in articles, reports, charts, and tables to assist you in evaluating the risks and trends in the country environment. A link at the top of the page connects you to a larger global view. Specifically, you can go from local analysis to a global view by clicking the

link.

The **Global Link Model** allows you direct access to software downloads (also available from Insight > Global Economics) to create your own scenarios.

The China landing page is highlighted in the following general example. The current special feature article and abstract are displayed at the top of the page with a link to the contact information for the analyst at the top right of the page.

Other modules displayed when data is available include:

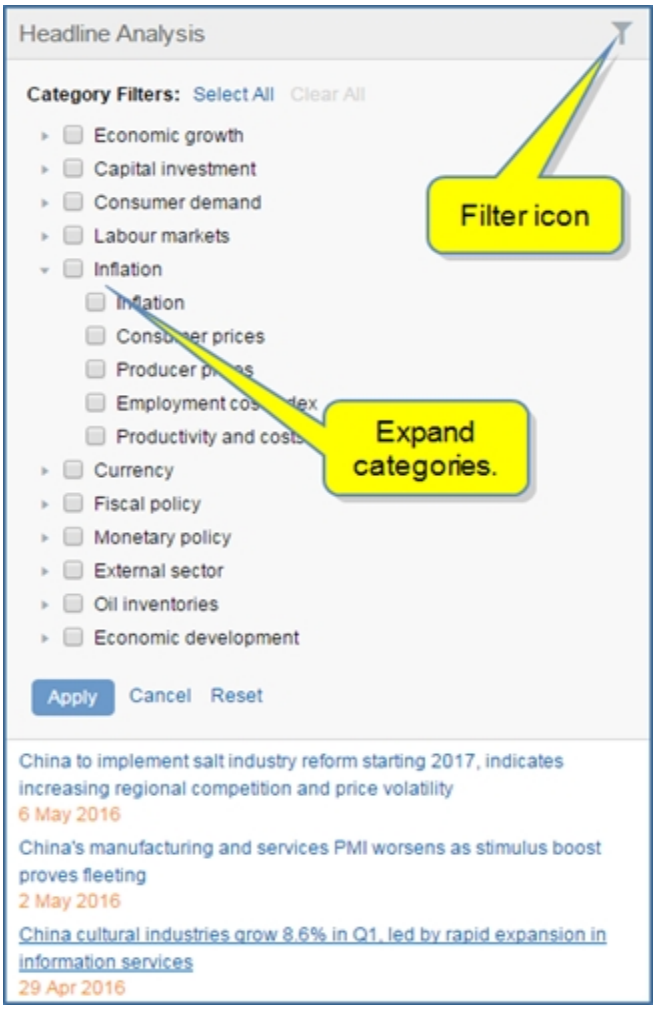
Standard modules: Featured Headline, possible Announcement, Headline Analysis, Service Bulletins, Methodology & Glossary, and IHS Events

- Headline Analysis
- Data Map
- Research and Data Center
- Country Report
- Growth outlook
- Country Ranking
- Key Macroeconomic Indicators
- Methodology & Glossary
- Special Reports

- Service Bulletins
- IHS Events

Headline Analysis

Links to the latest Headline Analysis articles that cover economic news for the country selected are listed in the left of the center section. Filter to select the categories you want displayed.



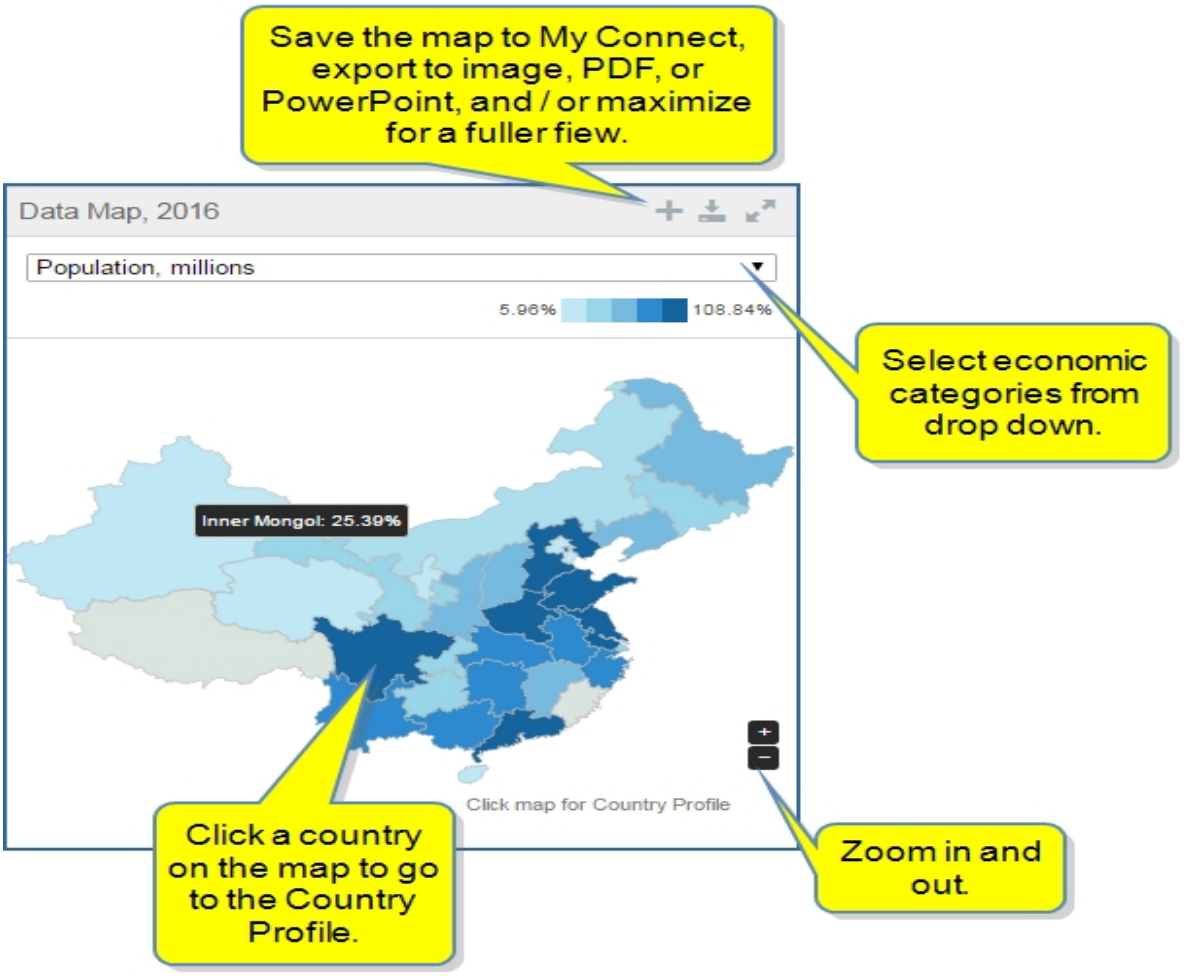
Click **More Headline Analysis on:** Country **China** or Region **Asia** for more articles, or select **RSS Feed** to have the headlines pushed to you.

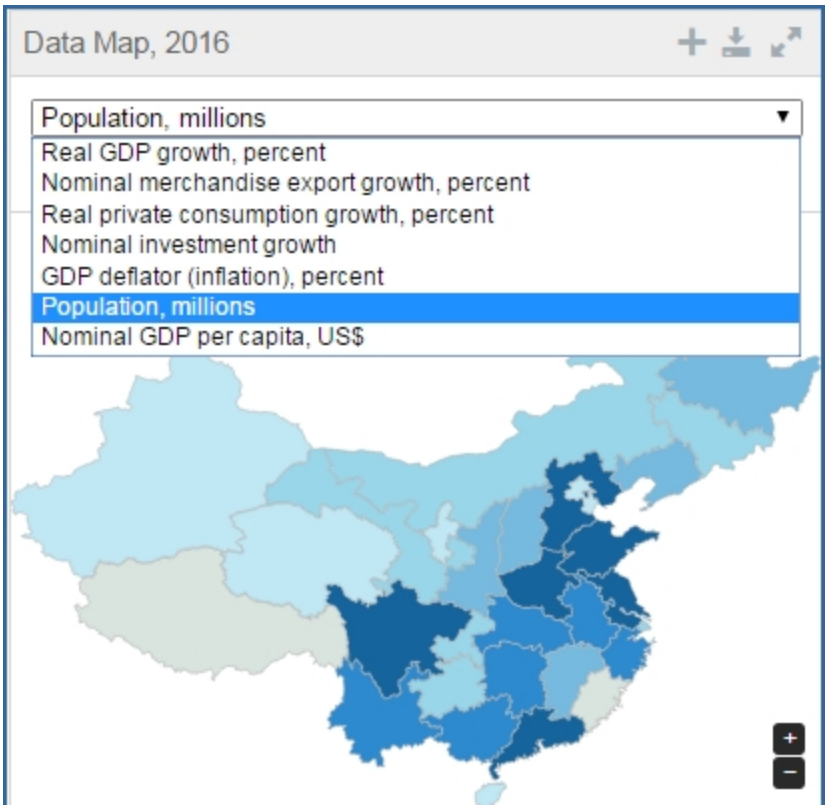
We have enhanced the Headline Analysis experience. When you click the **More Headline Analysis** link, the features will be available in a new layout. Check back soon for updated Help information on this new and enhanced page.

Data Map

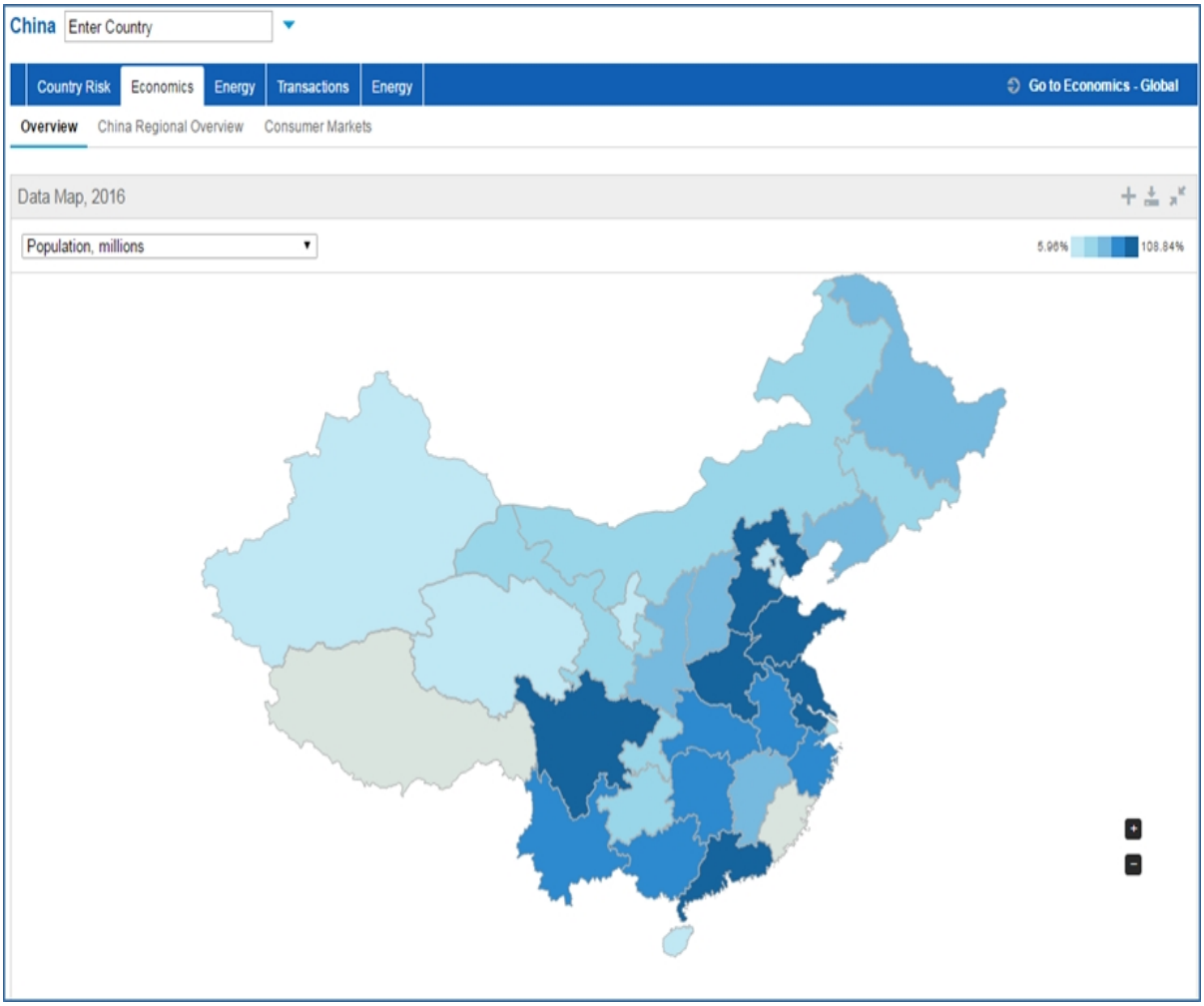
Data Map allows you to select topics of content information and geographically view percentages represented on a scale. You can save the map, export it as an image, PDF, or to PowerPoint.

When you hover over the map, countries and their percentage are displayed. When you click a country, the country information opens in Country Profile.





You can also maximize the Data Map.



Research and Data Center

The Research and Data Center module provides links to key Economic Country reports. When you click the link, a maximized view of the module is displaying, splitting out Research and Data Center articles into distinct modules. Clicking Archive returns you to historical versions of the file in Search, and Go to Data Browser redirects you to the Global Economy data set in Data Browser.

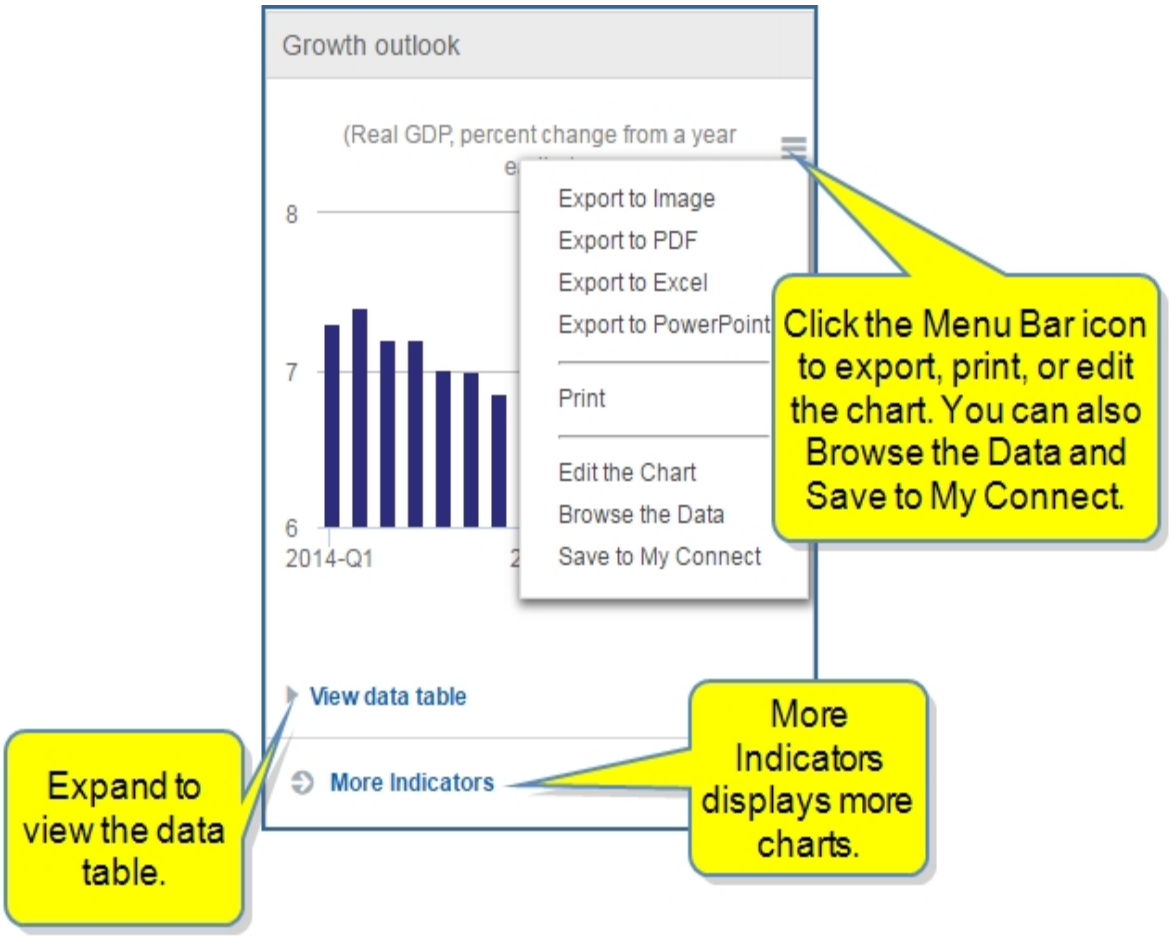
Country Report

Bullet points gives you a quick overview and summary of risks for the country, are listed in the center section. Clicking Full Report redirects you to the Economic section of the Country Report. You can navigate the full report using the Table of Contents, or share, export, or print the full report as a PDF by clicking the article icons when the report is open.

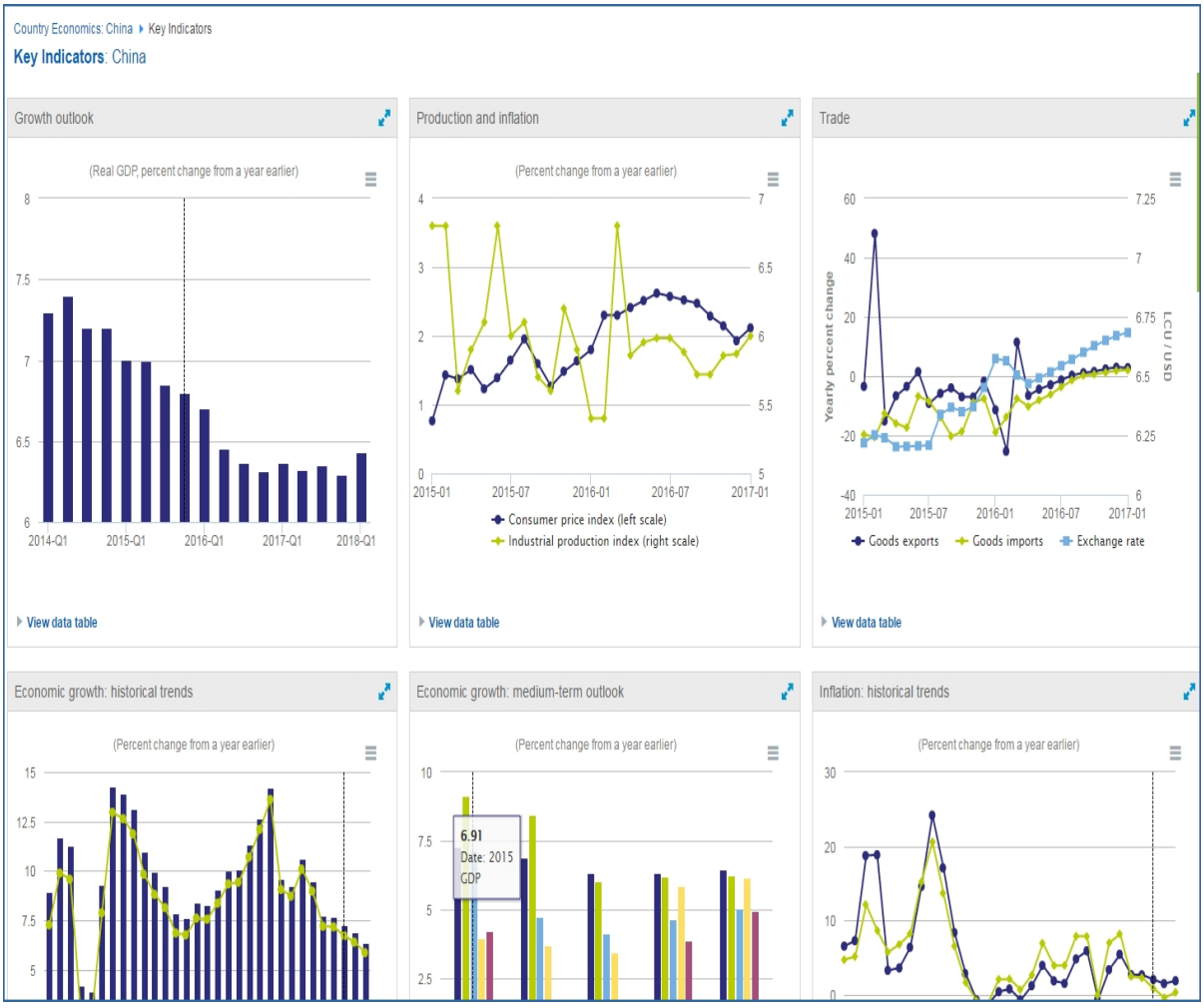
Growth Outlook

The Growth Outlook module is displayed in a right pane and graphs Real GDP, percent change from a year earlier. You have the option to view **More Indicators**, which opens a page with more charts as Key Indicators.

Within the chart, you can view the data table, browse the data in Data Browser, edit the chart using the Chart Editor, print or export it.



More Indicators displays Key Indicator charts for Growth outlook, Production and inflation, Trade, Economic growth: historical trends, Economic growth: medium-term outlook, and Inflation: historical trends.



Country Ranking

The Country Ranking module provides comparative analysis of your selected country against other countries in the region. **More Country Rankings** maximizes the module to include all countries, providing the ability to adjust year, concept and export to excel.

Key Macroeconomic Indicators

The Key Macroeconomic Indicator table displays select data series in a table, allowing you to quickly assess historical country trends. The Menu bar opens the dialog box that provides links for exporting and browsing the data.

Methodology & Glossary

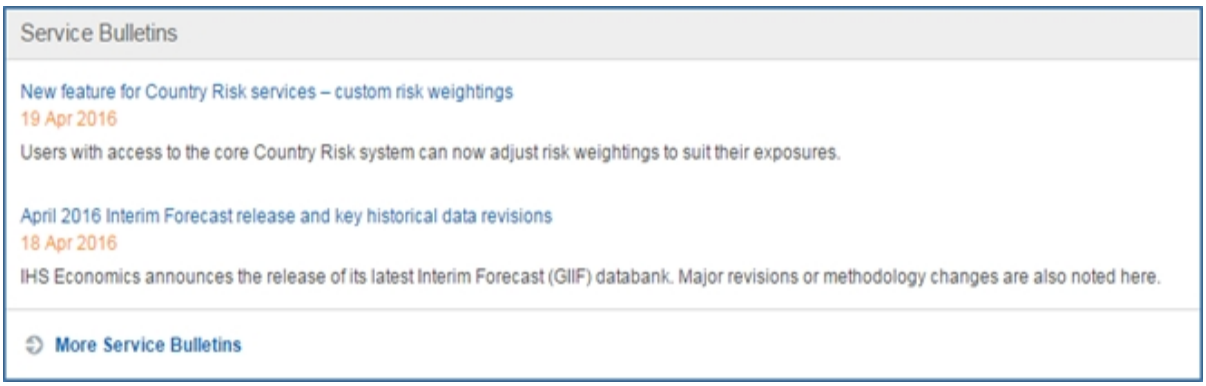
Links take you to the methodology & glossary information.

Special Reports

The lower end of the page contains special reports in Latest Research with a link to **More Special Reports**.

Service Bulletins

Service Bulletins advised you about new service features.



IHS Events

IHS Events inform you about webcasts and other events covering economics.

Energy Country Profile

Energy provides key related energy industry information for a country based on your subscription. Each time you come into Country Profile Energy, your most recent country selection will be displayed until you select a new country.

The information on the Geography > Energy page is organized into two perspectives—Oversight and Upstream—to ease workflow through the Energy content:

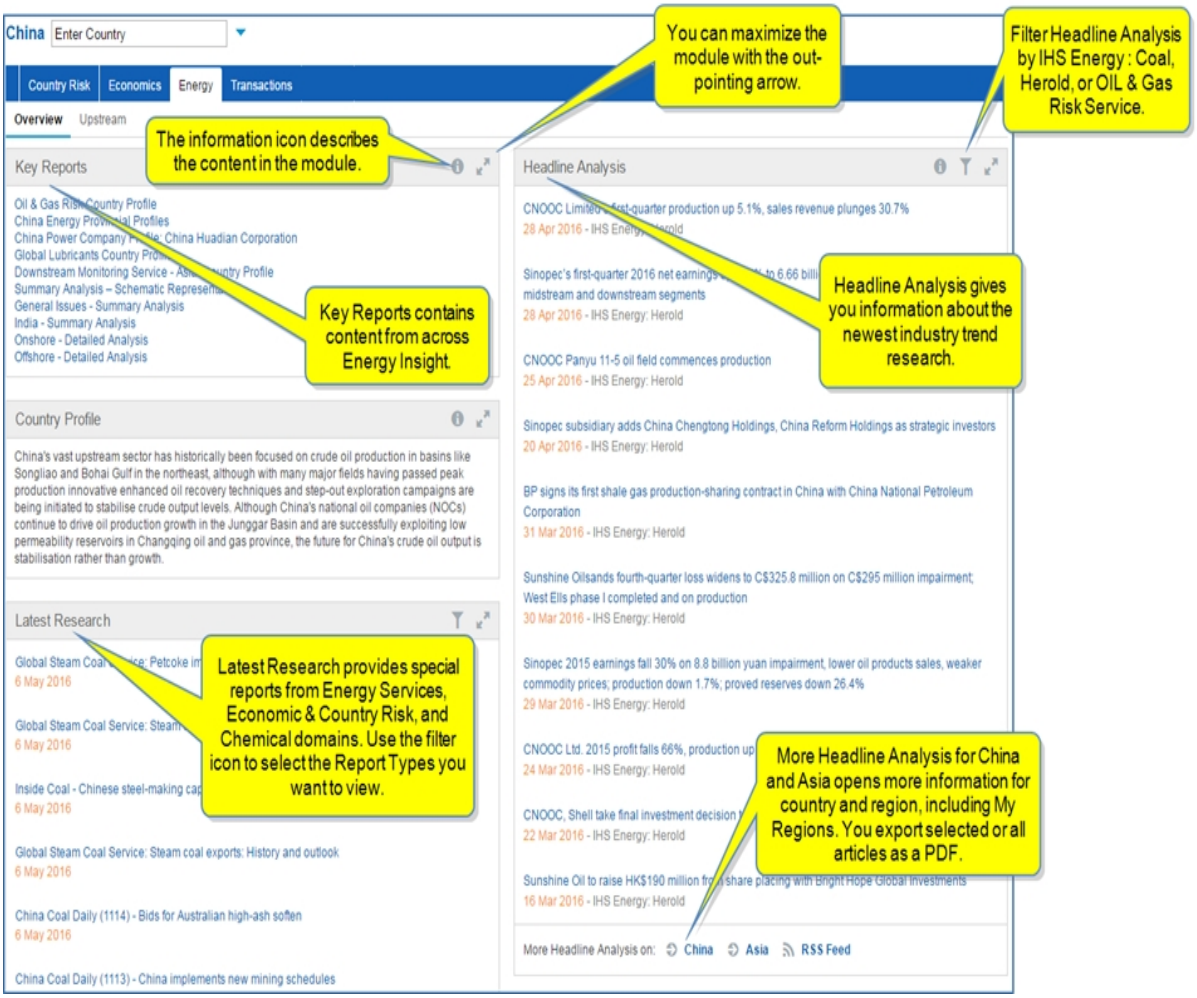
- Overview provides a bird's eye view of a country.
- Upstream allows you to hone in on E&P activity and investment risks and to gain an understanding of key market participants.

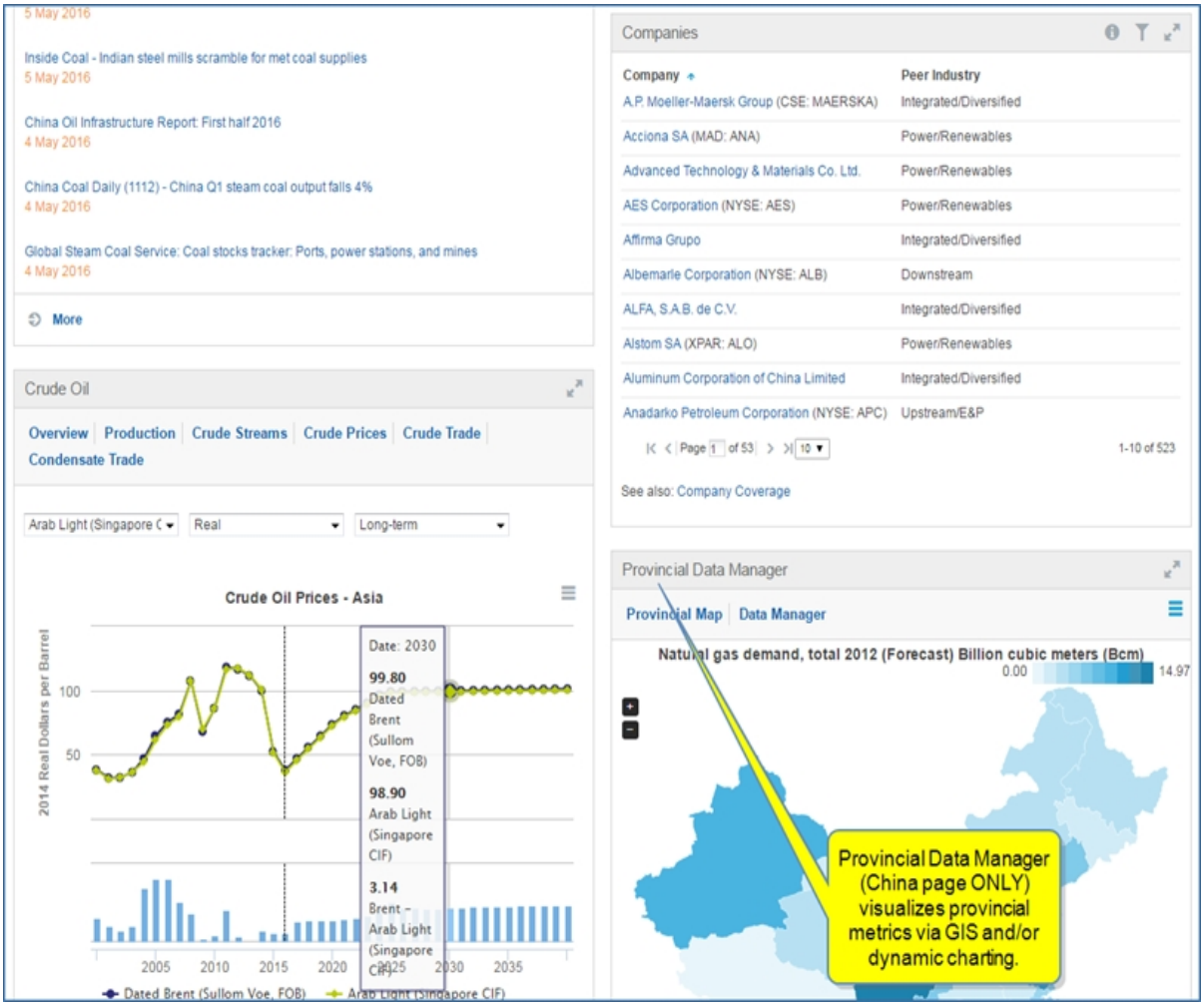
Overview

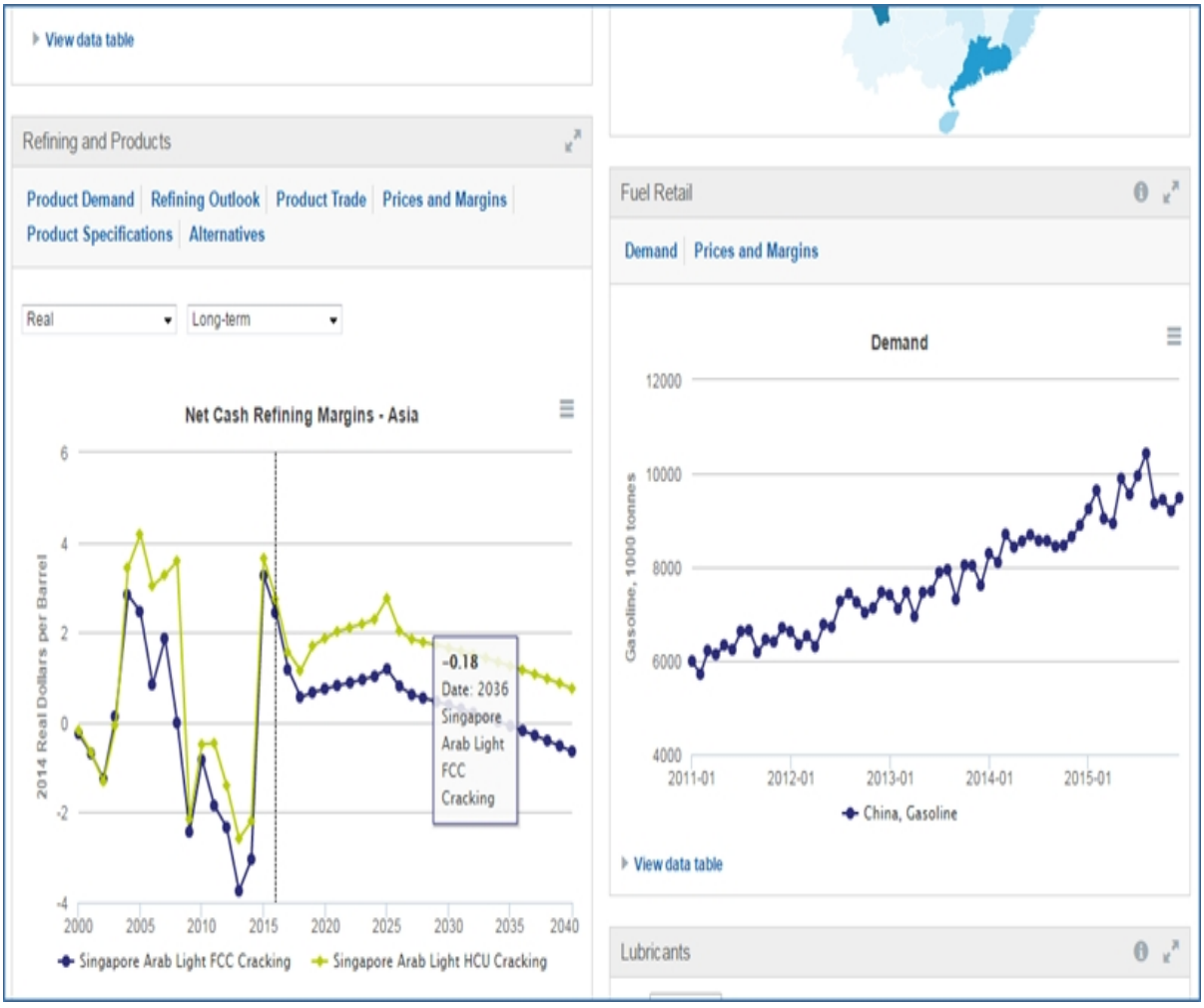
The following modules are contained in Overview for China:

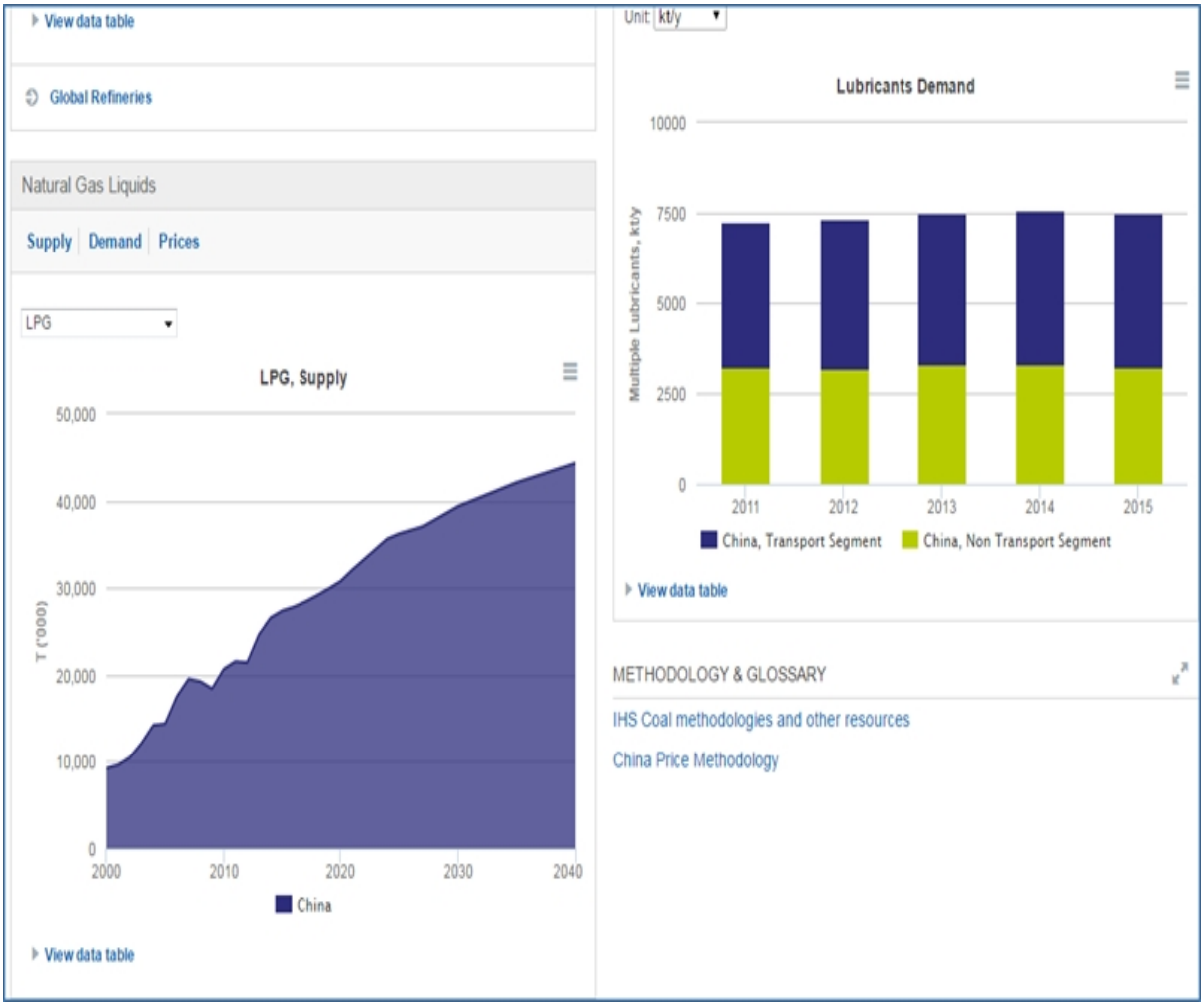
- Key Reports
- Country Profile
- Headline Analysis
- Latest Research
- Companies
- Crude Oil
- Provincial Data Manager (China only)
- Refining and Products

- Fuel Retail
- Natural Gas Liquids
- Lubricants
- Methodology and Glossary




5 May 2016
Inside Coal - Indian steel mills scramble for met coal supplies
5 May 2016
China Oil Infrastructure Report: First half 2016
4 May 2016
China Coal Daily (1112) - China Q1 steam coal output falls 4%
4 May 2016
Global Steam Coal Service: Coal stocks tracker: Ports, power stations, and mines
4 May 2016
More
Crude Oil
Overview
Production
Crude Streams
Crude Prices
Crude Trade
Condensate Trade
Arab Light (Singapore C
Real
Long-term
Crude Oil Prices - Asia
2014 Real Dollars per Barrel
100
50
2005
2010
2015
2020
2025
2030
2035
Date: 2030
99.80
Dated Brent (Sullom Voe, FOB)
98.90
Arab Light (Singapore CIF)
3.14
Brent – Arab Light (Singapore CIF)
Dated Brent (Sullom Voe, FOB)
Arab Light (Singapore CIF)
Companies
Company
Peer Industry
A.P. Moeller-Maersk Group (CSE: MAERSKA)
Integrated/Diversified
Acciona SA (MAD: ANA)
Power/Renewables
Advanced Technology & Materials Co. Ltd.
Power/Renewables
AES Corporation (NYSE: AES)
Power/Renewables
Affirma Grupo
Integrated/Diversified
Albemarle Corporation (NYSE: ALB)
Downstream
ALFA, S.A.B. de C.V.
Integrated/Diversified
Alstom SA (XPAR: ALO)
Power/Renewables
Aluminum Corporation of China Limited
Integrated/Diversified
Anadarko Petroleum Corporation (NYSE: APC)
Upstream/E&P
Page 1 of 53
10
1-10 of 523
See also: Company Coverage
Provincial Data Manager
Provincial Map
Data Manager
Natural gas demand, total 2012 (Forecast) Billion cubic meters (Bcm)
0.00
14.97
Provincial Data Manager (China page ONLY) visualizes provincial metrics via GIS and/or dynamic charting.


View data table
Refining and Products
Product Demand
Refining Outlook
Product Trade
Prices and Margins
Product Specifications
Alternatives
Real
Long-term
Net Cash Refining Margins - Asia
2014 Real Dollars per Barrel
-0.18
Date: 2036
Singapore Arab Light FCC Cracking
Singapore Arab Light FCC Cracking
Singapore Arab Light HCU Cracking
Fuel Retail
Demand
Prices and Margins
Demand
Gasoline, 1000 tonnes
China, Gasoline
View data table
Lubricants



Key Reports

Key Reports gives you highlights from across the insight businesses and a quick overview of the country's E&P activity. The highlights of IHS Markit research provide a foundation for country assessment.

Headline Analysis

Headline Analysis provides the latest research information and source.

Click **More Headline Analysis on:** Country **China** or Region **Asia** for more articles, or select **RSS Feed** to have the headlines pushed to you.

We have enhanced the Headline Analysis experience. When you click the **More Headline Analysis** link, the features will be available in a new layout. Check back soon for updated Help information on this new and enhanced page.

Country Profile

Country Profile provides an abstract of the energy upstream situation of a particular country, commenting on industry sub-focus, domestic supply balance and export activity.

Latest Research

Latest research contains special reports from across the Energy domain.

Companies

Companies provides access to a comprehensive company database of public, private, NOC, and government entities, detailing the competitive landscape for the upstream oil and gas industry within a particular geographic location.

Crude Oil

The Crude Oil module allows you to filter by location, real or nominal, and term and select Overview, Production, Crude Streams, Crude Prices, Crude Trade, and Condensate Trade perspectives.

Provincial Data Manager

The Provincial Data Manager (China page ONLY) visualizes provincial metrics via GIS and / or dynamic charting.

Refining and Products

The Refining and Products module allows you to filter by real or nominal and term and select Product Demand, Refining Outlook, Product Trade, Prices and Margins, Alternatives.

Fuel Retail

This module provides a monthly breakdown of gasoline and diesel demand and various price and margin data components for more than 50 global markets. You have the ability to benchmark any market against another, as well as compare all markets within a region simultaneously.

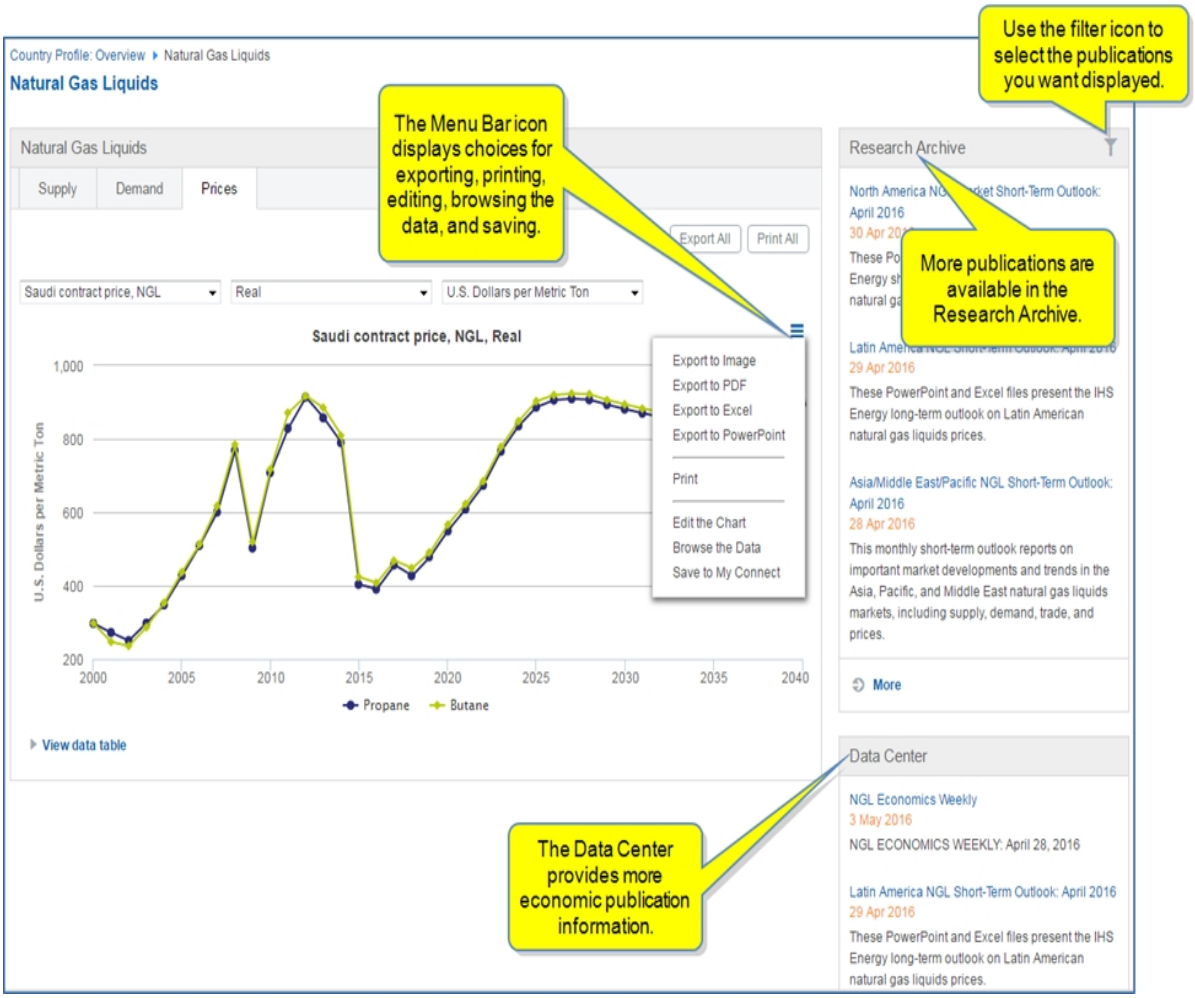
Natural Gas Liquids

The Natural Gas Liquids module charts results for Butane, Ethane, LPG, Natural Gasoline, and Propane on the Supply and Demand tabs. The Prices tab displays country and regional prices for Propane and Butane. Filter options are available from drop-down menus. The Demand and Prices tabs display maximized views of the chart and data that include modules for Research Archive and Data Center.

You can export or print all of the charts as well as **Edit the Chart**, **Browse the Data**, or **Save to My Connect**. You can also **View data table** by expanding a chart.

Natural Gas Liquids
Supply
Demand
Prices
Select the product you want displayed on the supply chart.
LPG
Butane
Ethane
LPG
Natural Gasoline
Propane
LPG, Supply
40,000
30,000
20,000
10,000
0
T ('000)
2000
2010
2020
2030
2040
China
View data table
Click the arrow to expand the data table.

Country Profile: Overview ▸ Natural Gas Liquids
Natural Gas Liquids
Natural Gas Liquids
Supply
Demand
Prices
Filters help you refine the data displayed on the chart.
Export All
Print All
- All Regions -
LPG
T ('000)
- All Regions -
Africa
Asia
CIS
Europe
Latin America
Middle East
North America
LPG, Demand by Region
300,000
200,000
100,000
0
T ('000)
2000
2005
2010
2015
2020
2025
2030
2035
2040
Latin America
North America
Europe
Africa
CIS
Asia
Middle East
View data table
Click the arrow to expand the data table.
Research Archive
North America NGL Market Short-Term Outlook: April 2016
30 Apr 2016
These PowerPoint and Excel files present the IHS Energy short-term outlook on North American natural gas liquids market.
Latin America NGL Short-Term Outlook: April 2016
29 Apr 2016
These PowerPoint and Excel files present the IHS Energy long-term outlook on Latin American natural gas liquids prices.
Asia/Middle East/Pacific NGL Short-Term Outlook: April 2016
28 Apr 2016
This monthly short-term outlook reports on important market developments and trends in the Asia, Pacific, and Middle East natural gas liquids markets, including supply, demand, trade, and prices.
More
Data Center
NGL Economics Weekly
3 May 2016
NGL ECONOMICS WEEKLY: April 28, 2016
Latin America NGL Short-Term Outlook: April 2016



Lubricants

The Global Lubricants Demand Database interface enables users to view historical lubricants demand data by country and by product type. You can generate customized chart outputs and download the underlying data for further reprocessing

Methodology and Glossary

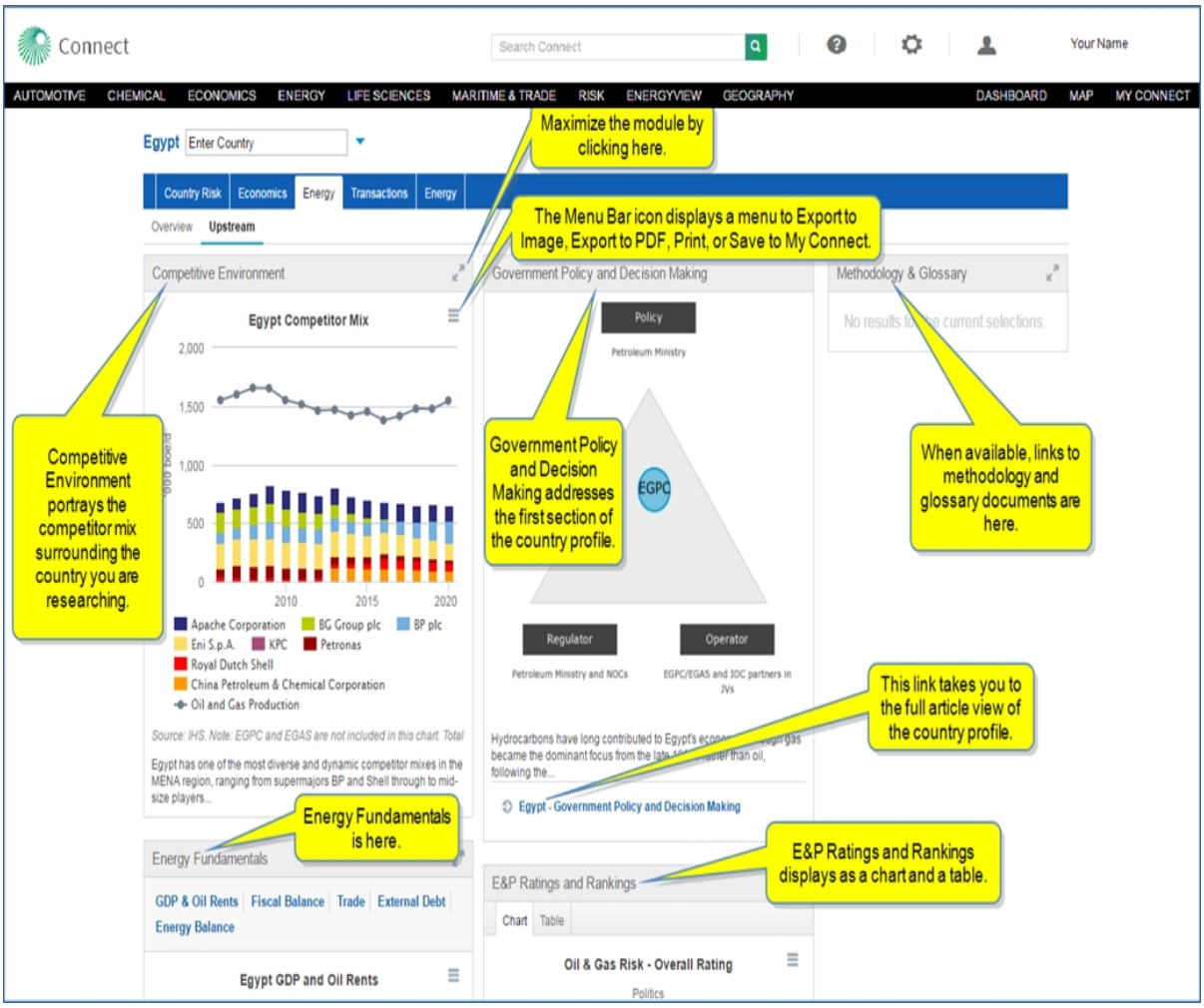
The Methodology and Glossary module can be expanded and provides links for **IHS Coal Methodologies** and other resources and **China Price Methodology**.

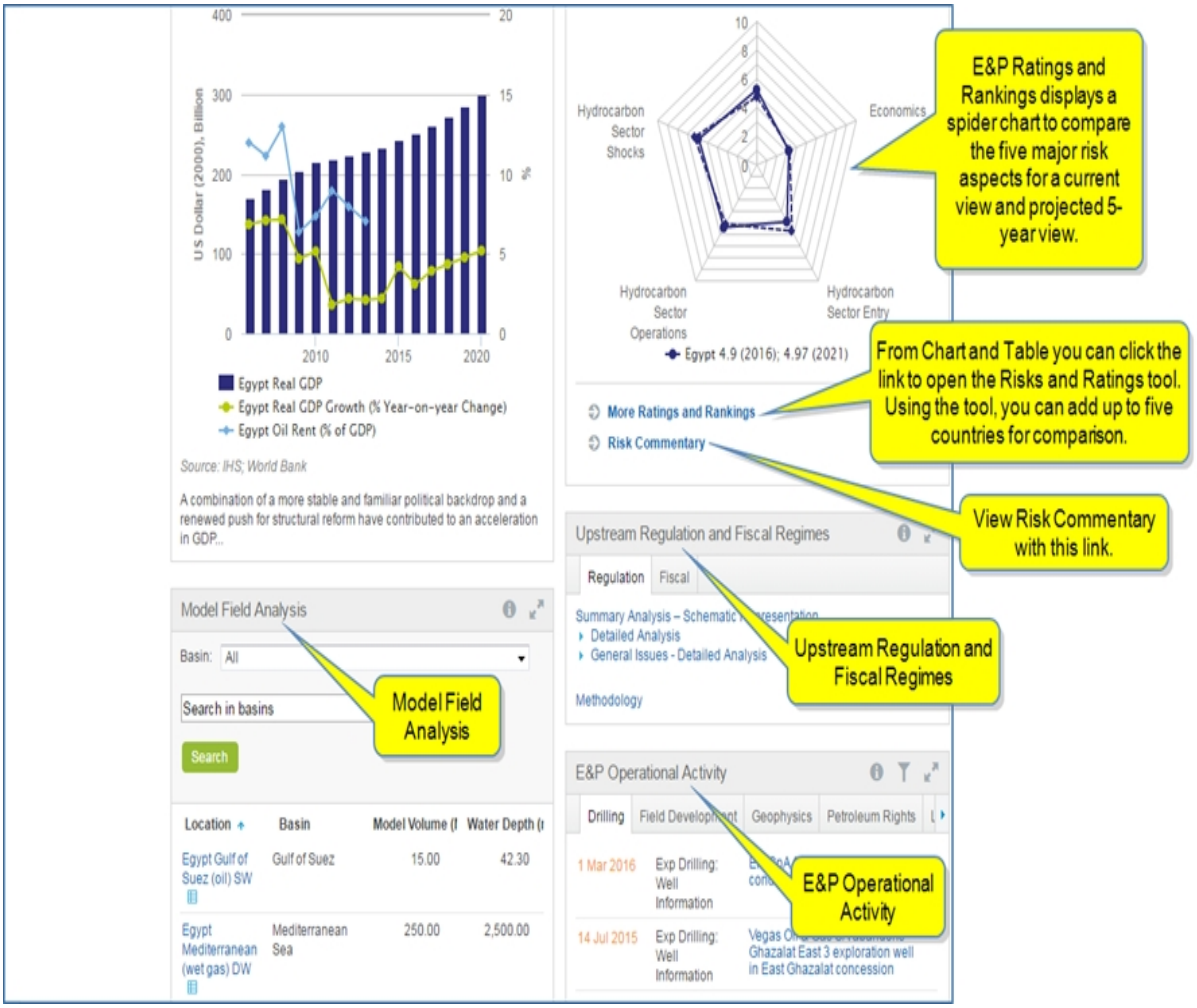
Upstream

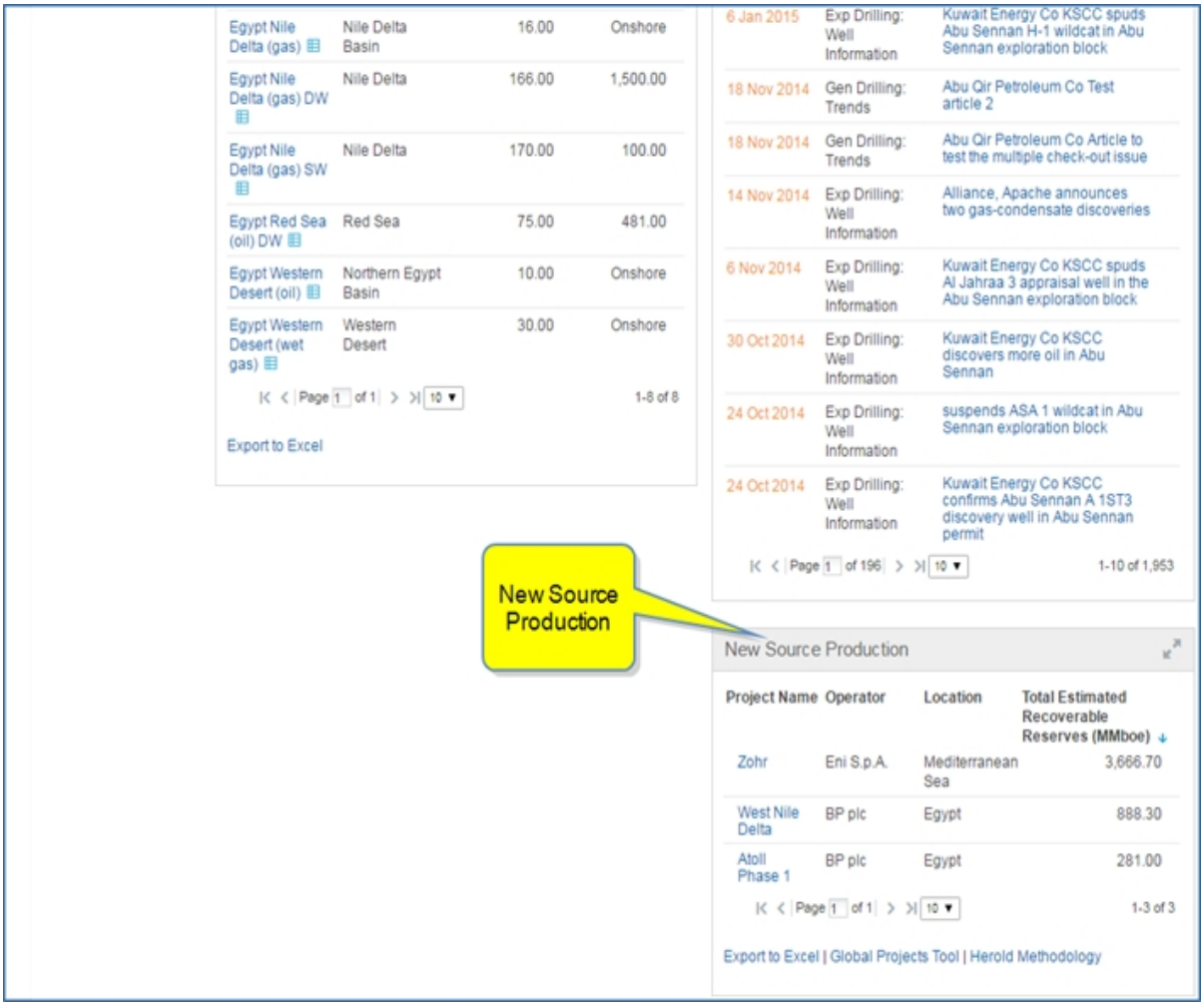
The following modules are contained in Upstream for Egypt. Based on your subscription, you may or may not see all of the modules listed.

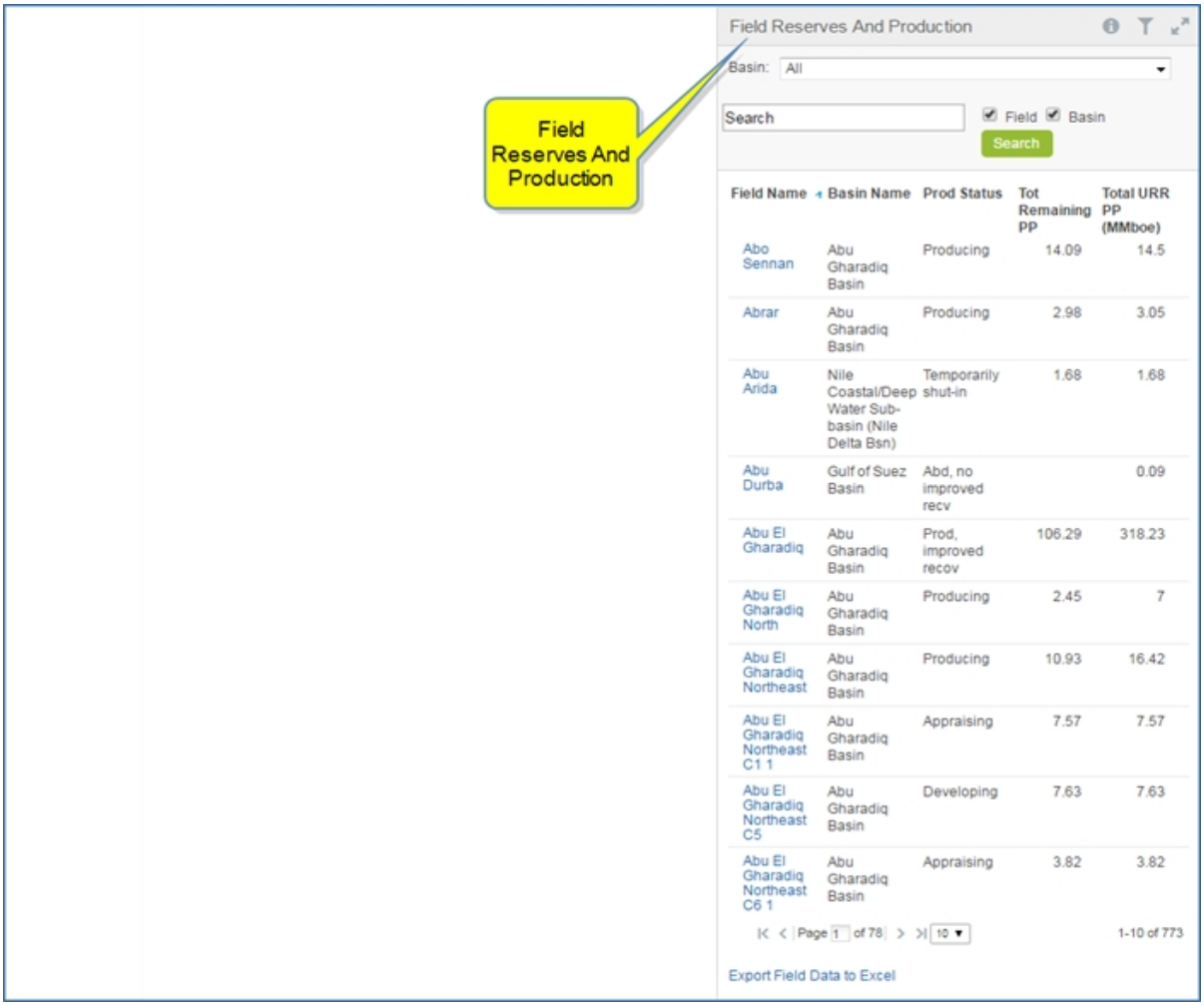
- Competitive Environment
- Government Policy and Decision Making
- Methodology & Glossary

- Energy Fundamentals
- E&P Ratings and Rankings
- Model Field Analysis
- Upstream Regulation and Fiscal Regimes
- E&P Operational Activity
- New Source Production
- Field Reserves and Production




E&P Ratings and Rankings displays a spider chart to compare the five major risk aspects for a current view and projected 5-year view.
From Chart and Table you can click the link to open the Risks and Ratings tool. Using the tool, you can add up to five countries for comparison.
View Risk Commentary with this link.
Upstream Regulation and Fiscal Regimes
Model Field Analysis
E&P Operational Activity
Egypt Real GDP
Egypt Real GDP Growth (% Year-on-year Change)
Egypt Oil Rent (% of GDP)
Source: IHS; World Bank
A combination of a more stable and familiar political backdrop and a renewed push for structural reform have contributed to an acceleration in GDP...
Hydrocarbon Sector Shocks
Economics
Hydrocarbon Sector Operations
Hydrocarbon Sector Entry
Egypt 4.9 (2016); 4.97 (2021)
More Ratings and Rankings
Risk Commentary
Regulation
Fiscal
Detailed Analysis
General Issues - Detailed Analysis
Methodology
Basin: All
Search in basins
Search
Location
Basin
Egypt Gulf of Suez (oil) SW
Gulf of Suez
15.00
42.30
Egypt Mediterranean (wet gas) DW
Mediterranean Sea
250.00
2,500.00
Drilling
Geophysics
Petroleum Rights
1 Mar 2016
Exp Drilling: Well Information
14 Jul 2015
Exp Drilling: Well Information
Ghazalat East 3 exploration well in East Ghazalat concession


Egypt Nile Delta (gas) Nile Delta Basin 16.00 Onshore
Egypt Nile Delta (gas) DW Nile Delta 166.00 1,500.00
Egypt Nile Delta (gas) SW Nile Delta 170.00 100.00
Egypt Red Sea (oil) DW Red Sea 75.00 481.00
Egypt Western Desert (oil) Northern Egypt Basin 10.00 Onshore
Egypt Western Desert (wet gas) Western Desert 30.00 Onshore
Page 1 of 1 10 1-8 of 8
Export to Excel
6 Jan 2015 Exp Drilling: Well Information Kuwait Energy Co KSCC spuds Abu Sennan H-1 wildcat in Abu Sennan exploration block
18 Nov 2014 Gen Drilling: Trends Abu Qir Petroleum Co Test article 2
18 Nov 2014 Gen Drilling: Trends Abu Qir Petroleum Co Article to test the multiple check-out issue
14 Nov 2014 Exp Drilling: Well Information Alliance, Apache announces two gas-condensate discoveries
6 Nov 2014 Exp Drilling: Well Information Kuwait Energy Co KSCC spuds Al Jahraa 3 appraisal well in the Abu Sennan exploration block
30 Oct 2014 Exp Drilling: Well Information Kuwait Energy Co KSCC discovers more oil in Abu Sennan
24 Oct 2014 Exp Drilling: Well Information suspends ASA 1 wildcat in Abu Sennan exploration block
24 Oct 2014 Exp Drilling: Well Information Kuwait Energy Co KSCC confirms Abu Sennan A 1ST3 discovery well in Abu Sennan permit
Page 1 of 196 10 1-10 of 1,953
New Source Production
New Source Production
Project Name Operator Location Total Estimated Recoverable Reserves (MMboe)
Zohr Eni S.p.A. Mediterranean Sea 3,666.70
West Nile Delta BP plc Egypt 888.30
Atoll Phase 1 BP plc Egypt 281.00
Page 1 of 1 10 1-3 of 3
Export to Excel | Global Projects Tool | Herold Methodology



Competitive Environment

The chart, legend, and commentary portray the competitor mix surrounding the country you are researching.

Government Policy and Decision Making

The information in this module comes from the first section of the Country Report. When you select the **Egypt - Government Policy and Decision Making** link, you can view the entire Country Report article.

Methodology & Glossary

Links to methodology and glossary pages, when available, are here.

Energy Fundamentals

Energy Fundamentals covers GDP and Oil Rents. Also included are charts for Fiscal Balance, Trade, Debt ratios, and Energy balance. You can export the charts to image or PDF, print, and / or save to My Connect by selected the Menu bar icon to open links.

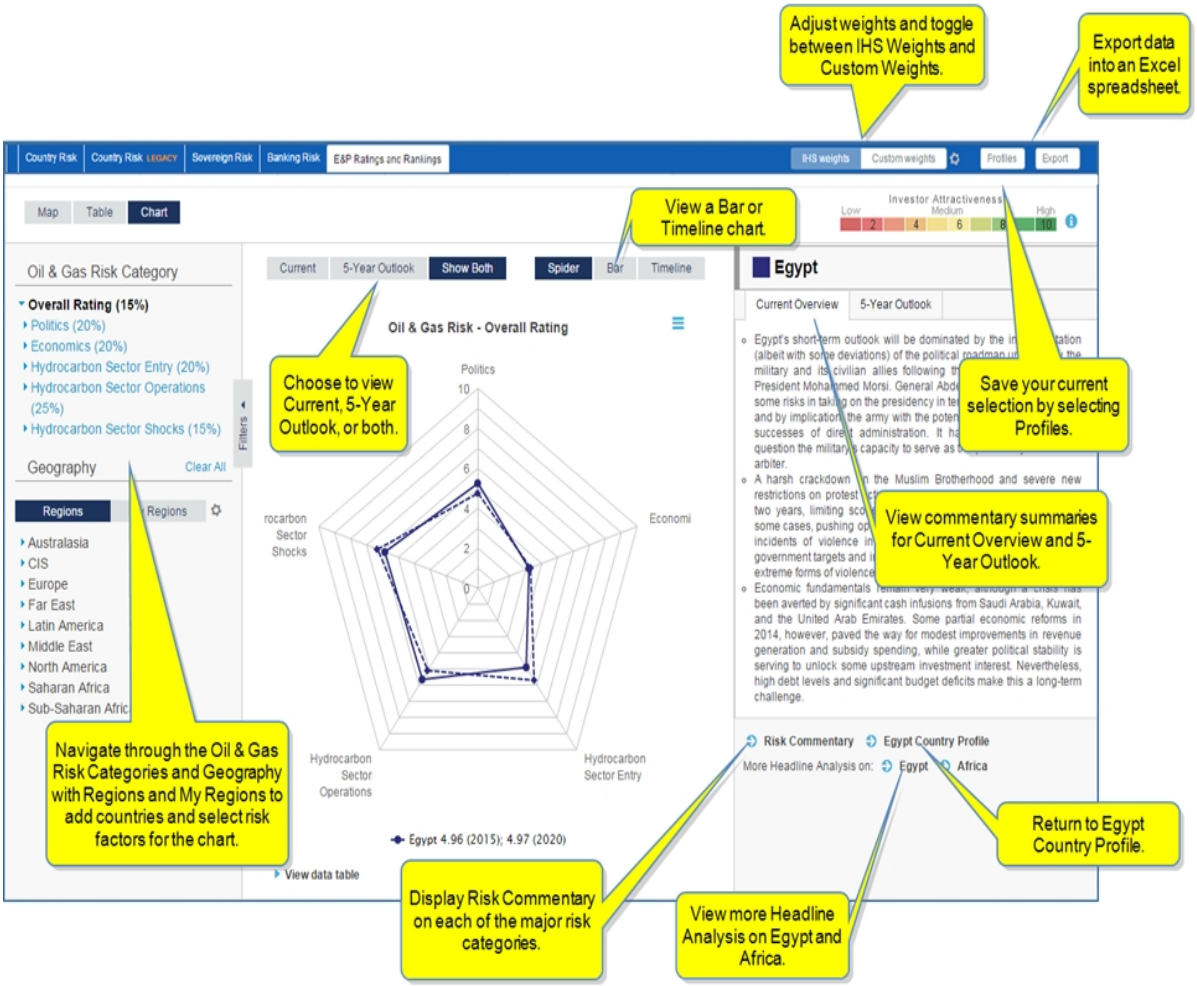
E&P Ratings and Rankings

The Overview gives you a chart for Overall Ratings. Depending on your subscription, you can view details about Political, E&P, and Fiscal risk and ratings. Oil and Gas Risk Service (OGRS) clients can view Political risk on the table but will not see E&P or Fiscal as these categories require a subscription to Petroleum Economics Policy Solutions (PEPS).

The spider chart, available for OGRS subscribers, displays the ratings for five main risk factors for the country you have selected and compares the current rating with the projected 5-year out rating. You can view discussion about the ratings in the Risk Commentary by clicking that link below the chart.

Risk Commentary opens and article view of commentary that includes the Current Overview, 5-Year Outlook, and risk categories with ratings, as well as Related Documents.

The spider chart displayed on the Country Risk Energy page is a gateway to the Risks and Ratings tool where you can add more to the spider chart to compare five countries with current ratings and 5-year out ratings. When you select the **More Ratings and Rankings** link, the spider chart is displayed in the Risks and Ratings tool. (Clients subscribing to OGRS can view the spider chart.)



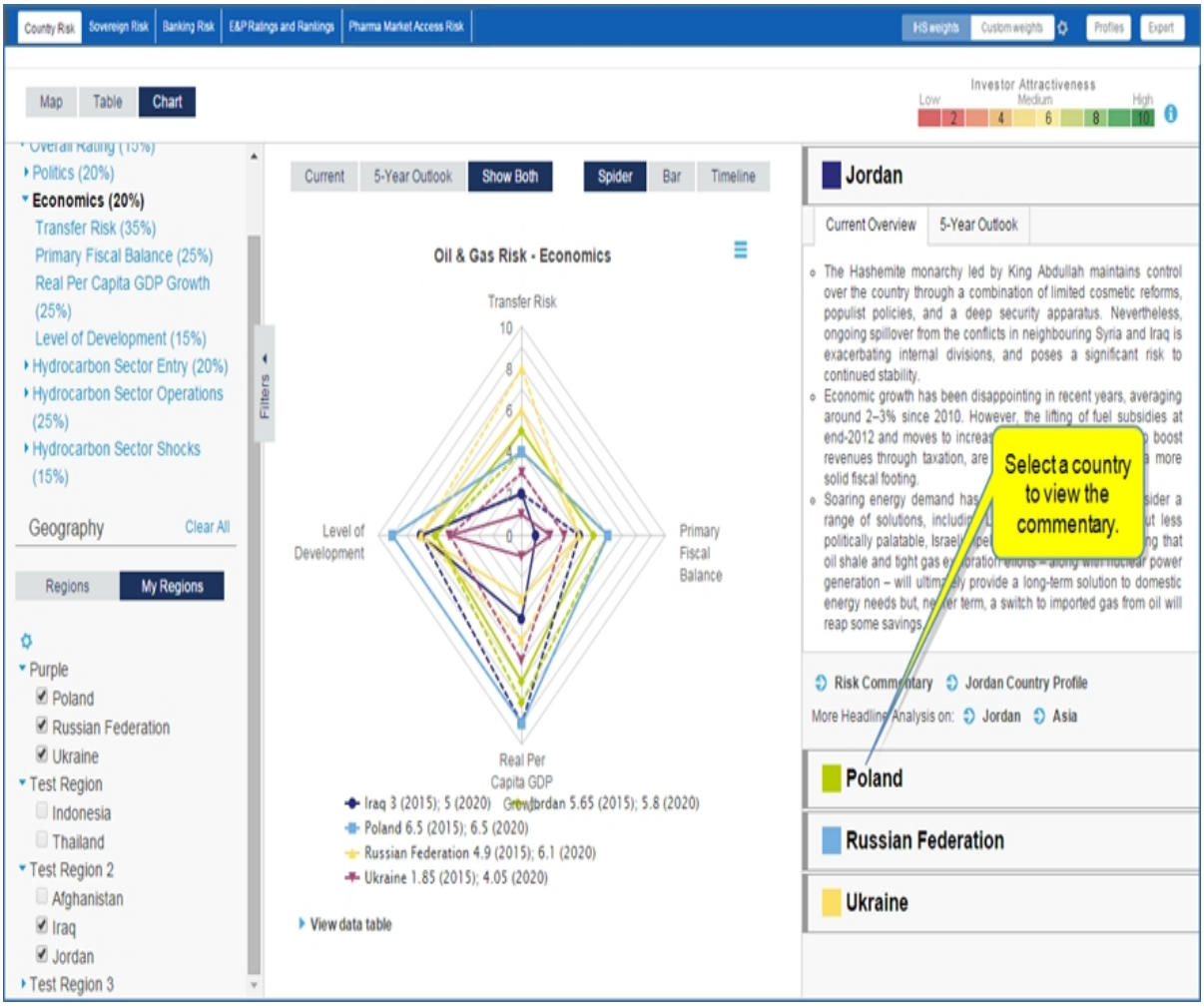
When you come from Country Profile that views one country on the spider chart, you can return to the Country Profile page—in this case Egypt— by clicking the **Egypt Country Profile** link. You can also view **Risk Commentary** or **More Headline Analysis** on **Egypt** or **Africa**.

Choices on the spider chart in the Risks and Ratings tool

There are two sets of button above the spider chart:

- The buttons above the chart to the left give you the option of viewing the **Current** ratings, **5-year Outlook** for up to five countries, **Show Both**—a comparison of both.
- The buttons above the chart to the right offer the **Spider** chart view, a **Bar** view, or a **Timeline** view.

The following spider chart displays the Economics risk category from the left pane—with Transfer Risk, Primary Fiscal Balance, Real Per Capital GDP Growth, and Level of Development. The countries included are from custom regions and include Poland, Russian Federation, Ukraine, Iraq, and Jordan.



If you put more than five countries on the spider chart, a message is displayed.

Clicking the message brings up the following dialog where you can deselect counties.

Upstream Regulation and Fiscal Regimes

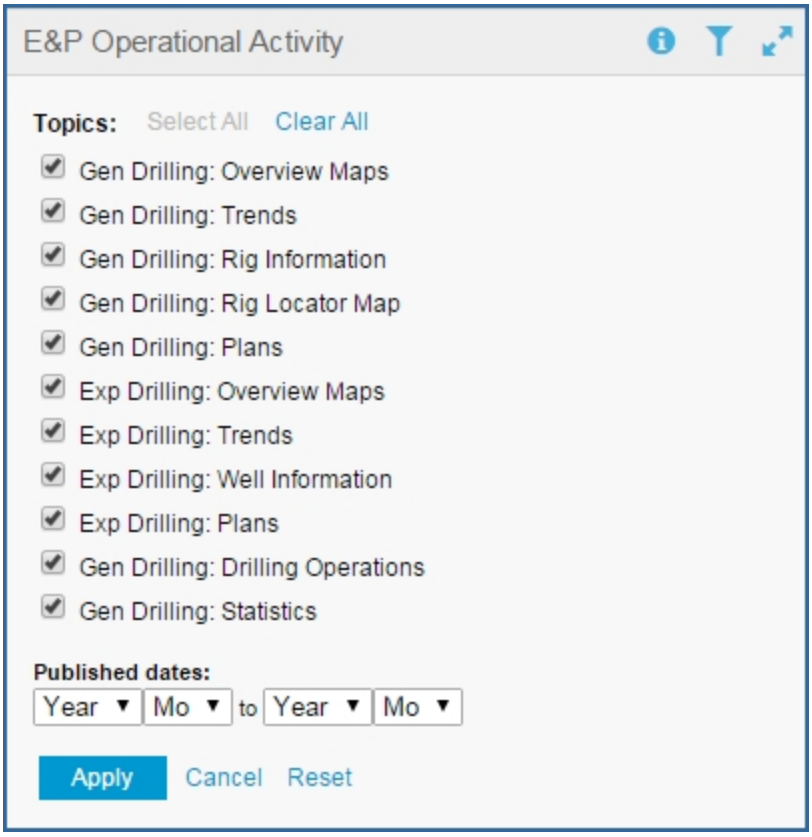
Upstream Regulation and Fiscal Regimes is the resource for insight into a country's upstream legislation and governing petroleum fiscal terms.

Model Field Analysis

Model Field Analysis forecasts metrics on representative future fields in selected locations and operating environments using costs and production data for applicable development schemes.

E&P Operational Activity

E&P Operational Activity allows monitoring of critical information on competitor strategy or partner activity by creating a synopsis for particular geographies grouped into topical categories of Drilling, Field Development, Geophysics, Petroleum Rights, and License Round. When you select the filter icon, you can select the topics you want covered and a range of publishing dates.



Company Insights details the equity valuation, operational performance, and upstream assets of a company and provides insight on the quantitative and qualitative impact of current headlines to a company and its peers.

New Source Production

New Source Production lists the Project Name, Operator, Location, and Total Estimated Recoverable Reserves (MMboe). You can navigate through the pages of information, Export to Excel, go to the Global Projects Tool, and view Herold Methodology.

Field Reserves and Production

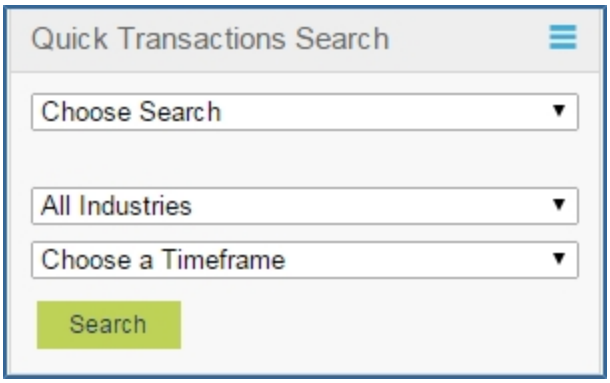
Field Reserves and Production offers access to a comprehensive database of Energy Critical Information at the field level. Data includes field summaries of reserves, historic production, operator and other field specific attributes.

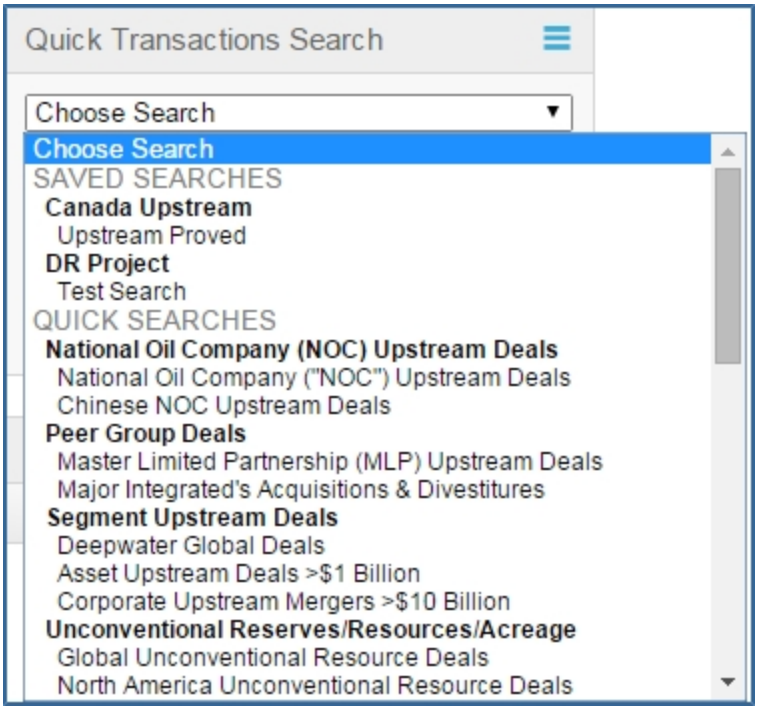
Transactions Country Profile

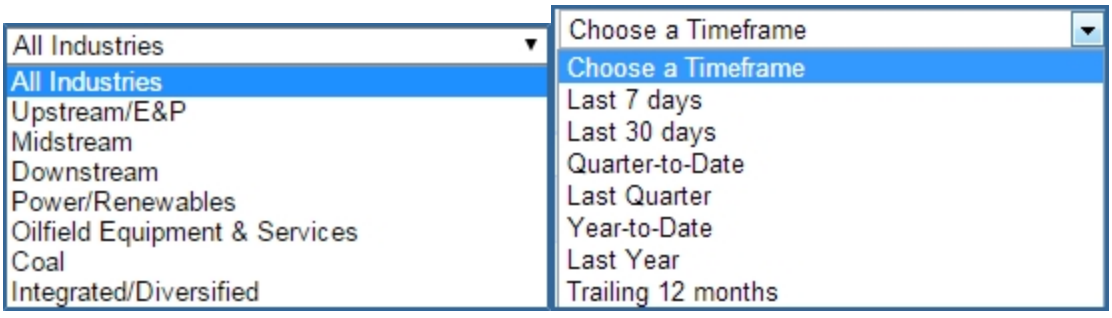
The Transactions page provides energy trend information for a country in the context of its region. The regional context allows you to explore relationships to a country.

You can view trends through an industry perspective, by region, or at the deal level. For all perspectives—Industry/Sector, Regions, or Deal Level—column and pie chart views are available. Evaluate annual and quarterly valuations. View the latest articles about Transactions and Insights.

When using Quick Transaction Search, Connect moves you seamlessly to Tool > Transaction analysis results. You can then apply saved and quick queries to industries using a time frame.

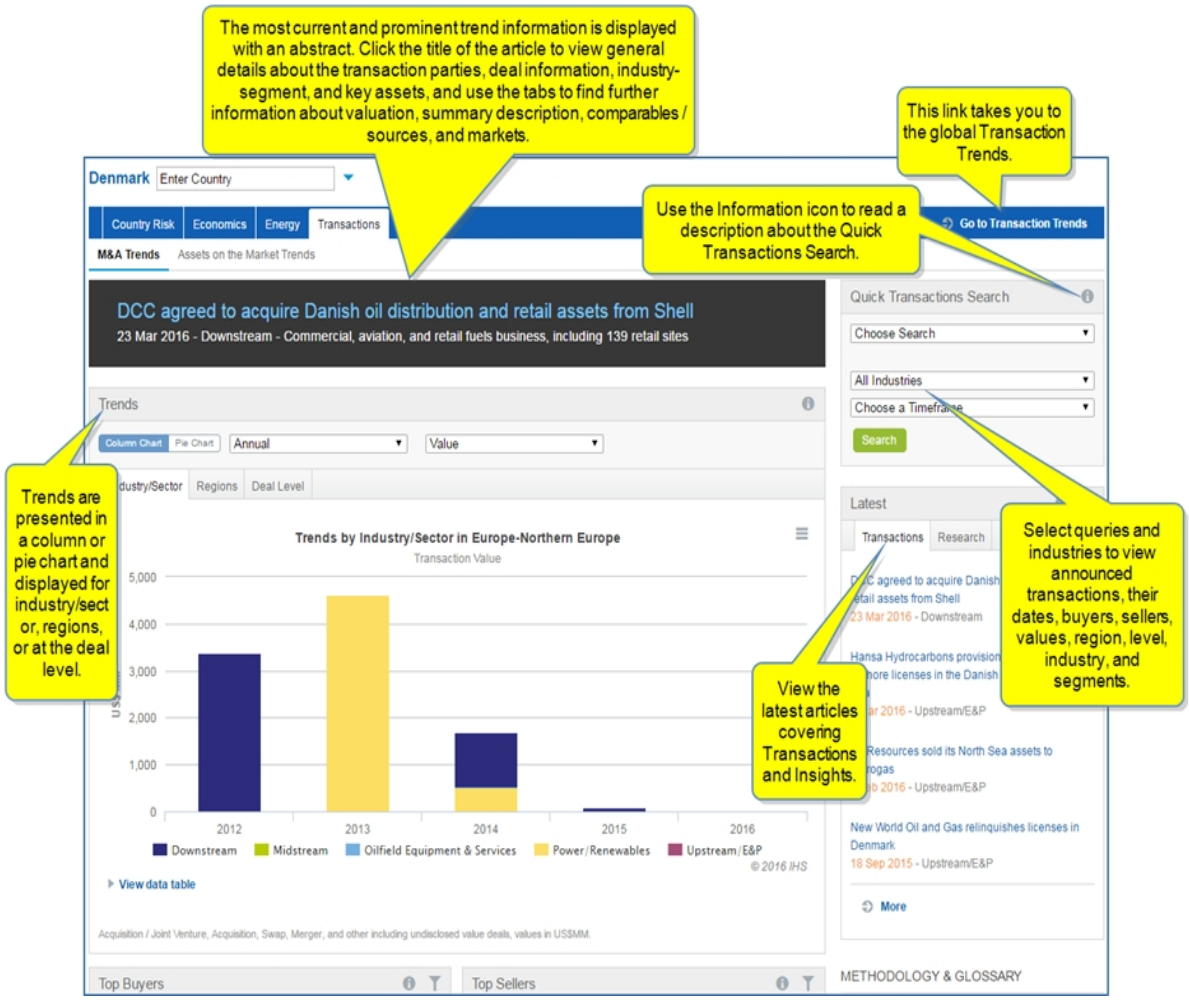




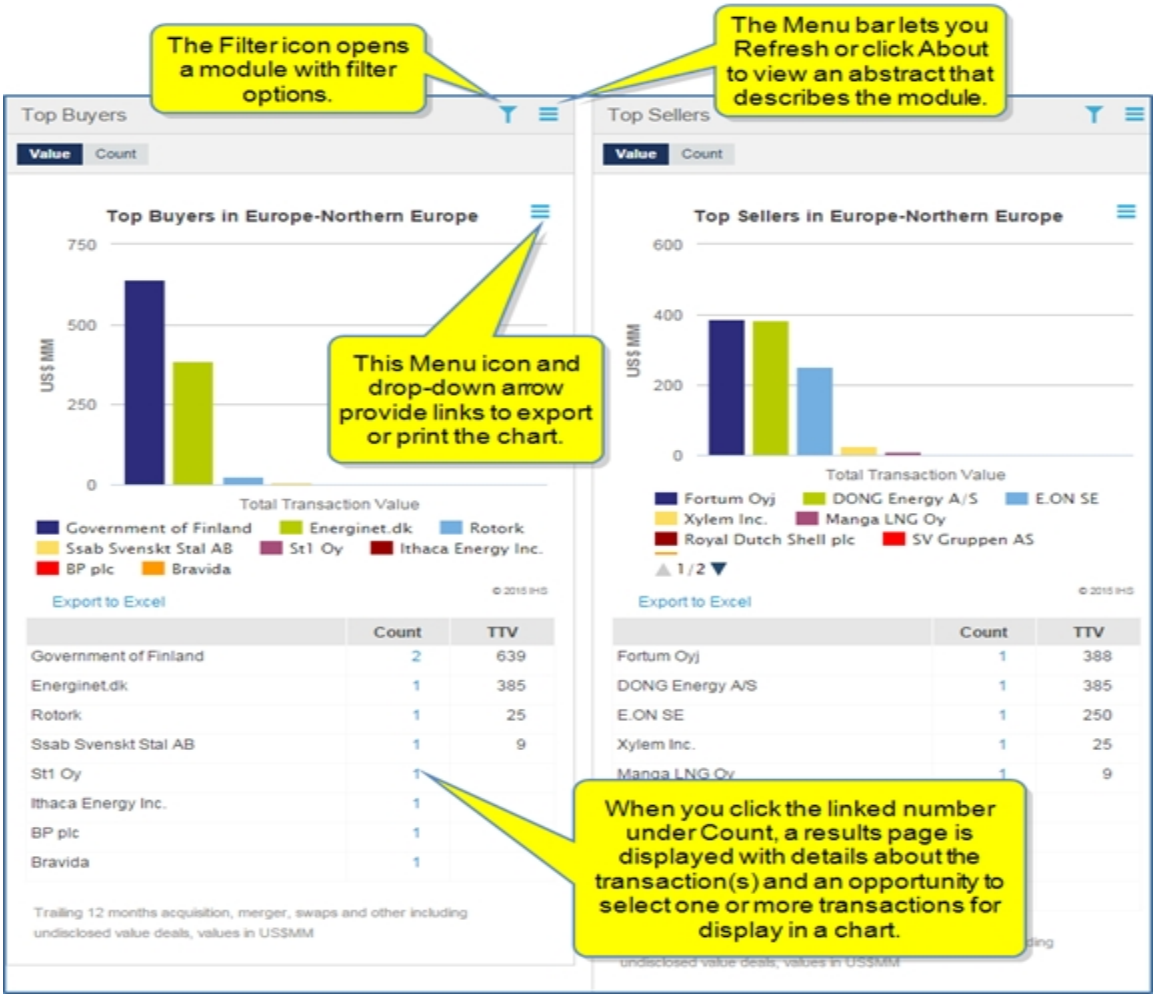


Each perspective includes details about the top buyers and top sellers in a transaction. You can review the transaction value and the count—how many deals were included in transaction value. The Regional Review module provides tables for Proved Reserves and Proved + Probably Reserves.

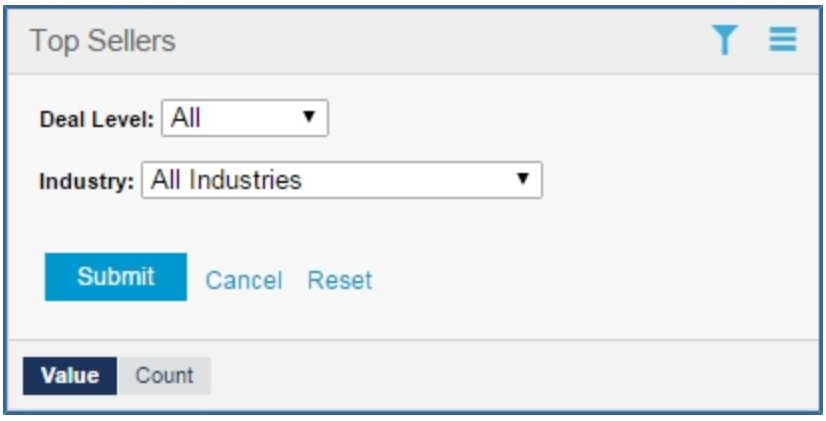
Export charts as an image, to PDF, Excel, or PowerPoint, or print the chart. Tables, as well, can be exported to Excel.



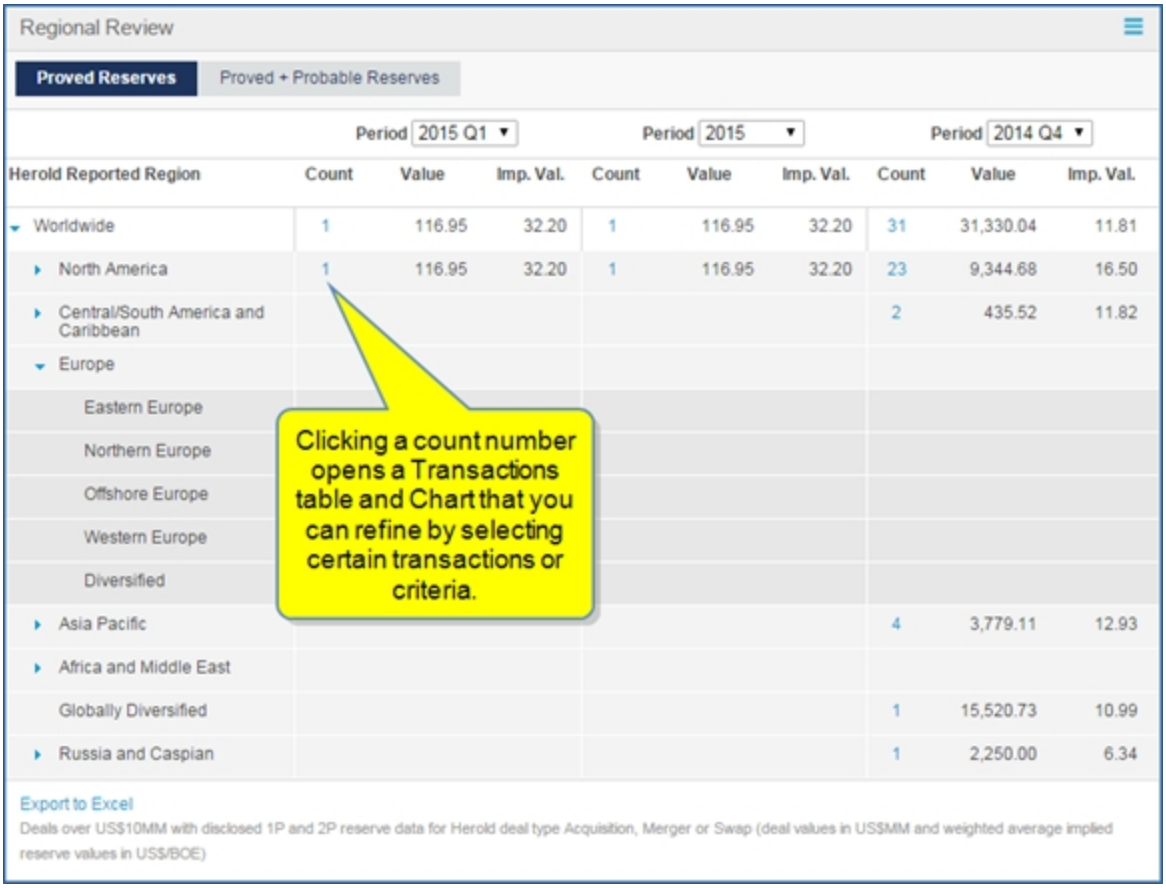
The Top Buyers and Top Sellers modules have tabs for Value and Count. You can hide or show the data table. Any values displayed in blue are links to Tools > Transaction Analysis results allowing you to seamlessly move to a list of included transactions making up the chart. You can then alter the query to expand further or constrain the query by filtering.



Click the Menu bar icon , whenever it is displayed, to view more functions you can apply to a chart or table. The Filter icon opens and closes a filter module. You can Submit, Cancel and Reset filter options.



The Regional Review module gives details about Proved Reserves and Proved + Probable Reserves.



Note: For more ways to query, refine criteria, and research transactions in a global context, use the **Tools** tab on the menu bar to open **Transaction Analysis** and review the Transaction Analysis topic. Any counts or values in blue are links that take you seamlessly to Tools > Transaction Analysis.

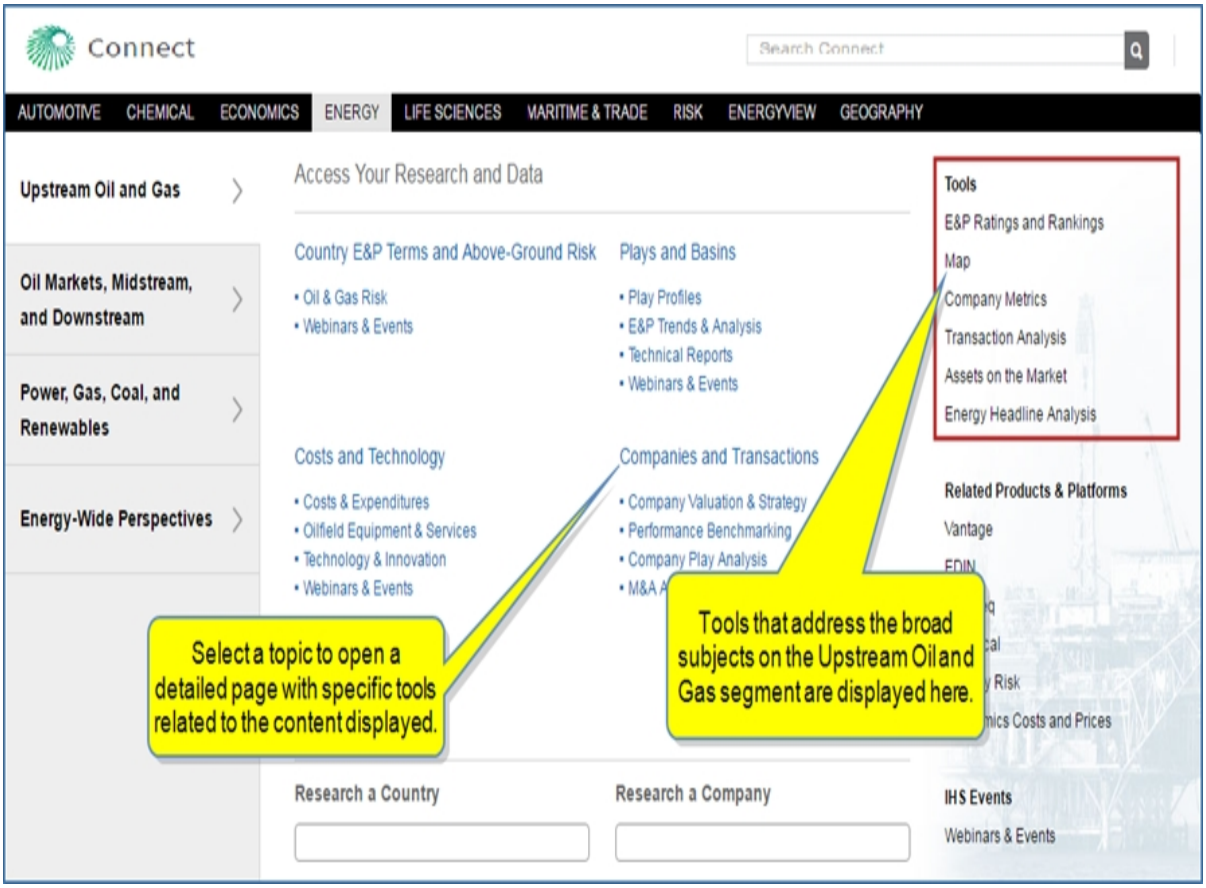
Tools

Tools Overview

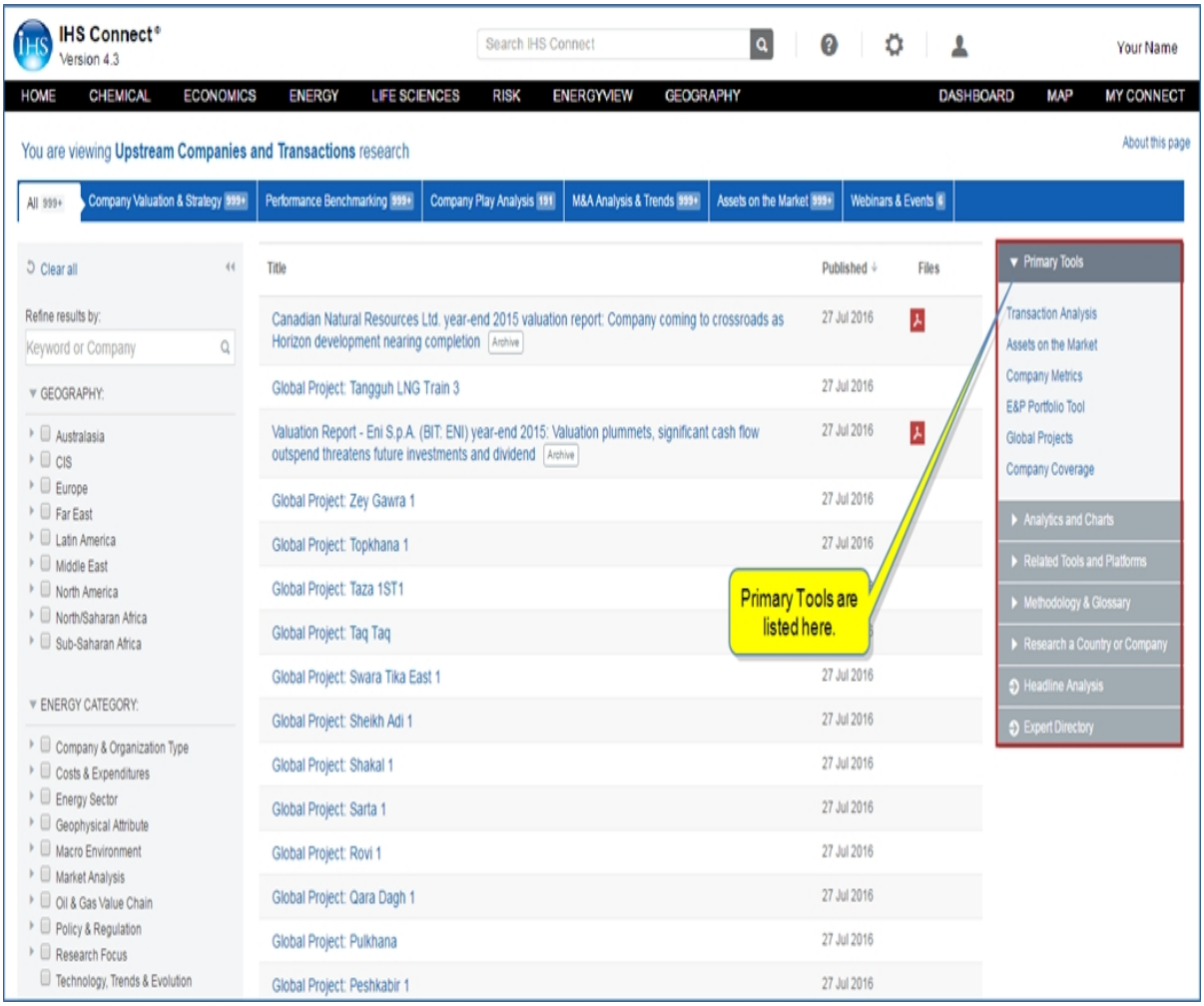
Tools Overview

Numerous tools are available throughout Connect with navigation links on the domain megamenus, content pages, and in charts and tables. Megamenu tools relate to the heading topics displayed in the center pane on the domain megamenu pages. When you select a topic link, specific Primary Tools related to the detailed page displayed are listed in the right pane.

The following example shows the Tools displayed on the Energy megamenu / Upstream Oil and Gas segment.



The second example shows the Primary Tools listed for Upstream Companies and Transactions research after selecting Companies and Transactions from the Energy megamenu.



Instruction for tools contained in the Connect application are covered in the following topics under Tools in the online help. (Some tools may take you to other platforms where you are required to enter a user name and password.)

- **Assets on the Market** provides access to individual market opportunities benchmarked against commodity prices and featuring key marketplace valuations for all global regions.
- **Charts**—Edit, save, export, and print charts when you click a link under the Menu Bar icon on charts.
- **Chemical Owner Lookup** allows you to do a company search for lists of shareholders and subsidiaries for a company with percentages and charts to illustrate ownership.
- **Company Coverage** and **Company Profile** allow you to gather information and insight about companies, private and public, involved in transactions and trends in the energy industry.
- **Cost Analyzer** gives you the ability to review cost and price data from the Pricing & Purchasing Service (PnP) and Chemical. The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

- **Company Metrics** in Connect provides a flexible query-building tool that includes specific line items—over 1,100—companies, regions, time frequencies, and currencies to evaluate company valuation, financial data, reserves, production, and cost trend analysis for public energy companies.
- **Dashboard** allows you to customize your research page for the countries and organizations you want to focus on, and you can save your customized dashboard to My Connect.
- **Data Browser** allows you to search and view data series from the datasets you are entitled to. The series you select can be saved, exported, or charted. The chart can be customized using Chart Editor and exported to Microsoft Excel and PowerPoint as a native object.
- **Global Projects** allows direct access to over 8,000 global energy projects, allowing quick analysis of new source production information and insight.
- **Global Refineries** allows Refining and Product Market customers to quickly access and analyze worldwide refinery capacity, historically and at individual refineries. You can search for a refinery by name or keyword, do an advanced search, save searches for future reference, and export data.
- **Location Analytics** allows you to conduct risk analysis of a portfolio of locations previously uploaded to Connect using My Locations on My Connect or Search. Once you identify asset locations and save the location groups, Location Analytics provides the context to analyze and compare violent risk conditions.
- **Process Economics Program** finds the detailed cost structure for 1,400 chemical processes. A Chemical: PEP Yearbook subscription is required to use this tool and view PEPs reports and reviews.
- **Risks and Ratings** provides direct access to IHS Markit analysis for Country Risk, E&P Ratings and Rankings, Banking Risk, and Sovereign Risk.
- **Transaction Analysis** provides access to individual deal analysis on more than 30,000 energy industry transactions over the past 20 years benchmarked against commodity prices and featuring key M&A marketplace valuations for all global regions.

Assets on the Market

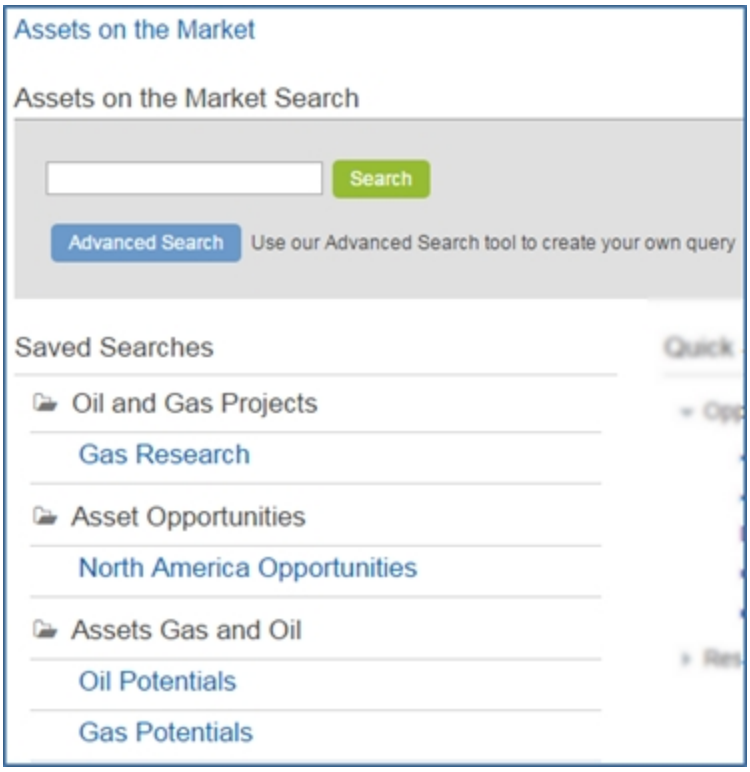
Assets on the Market

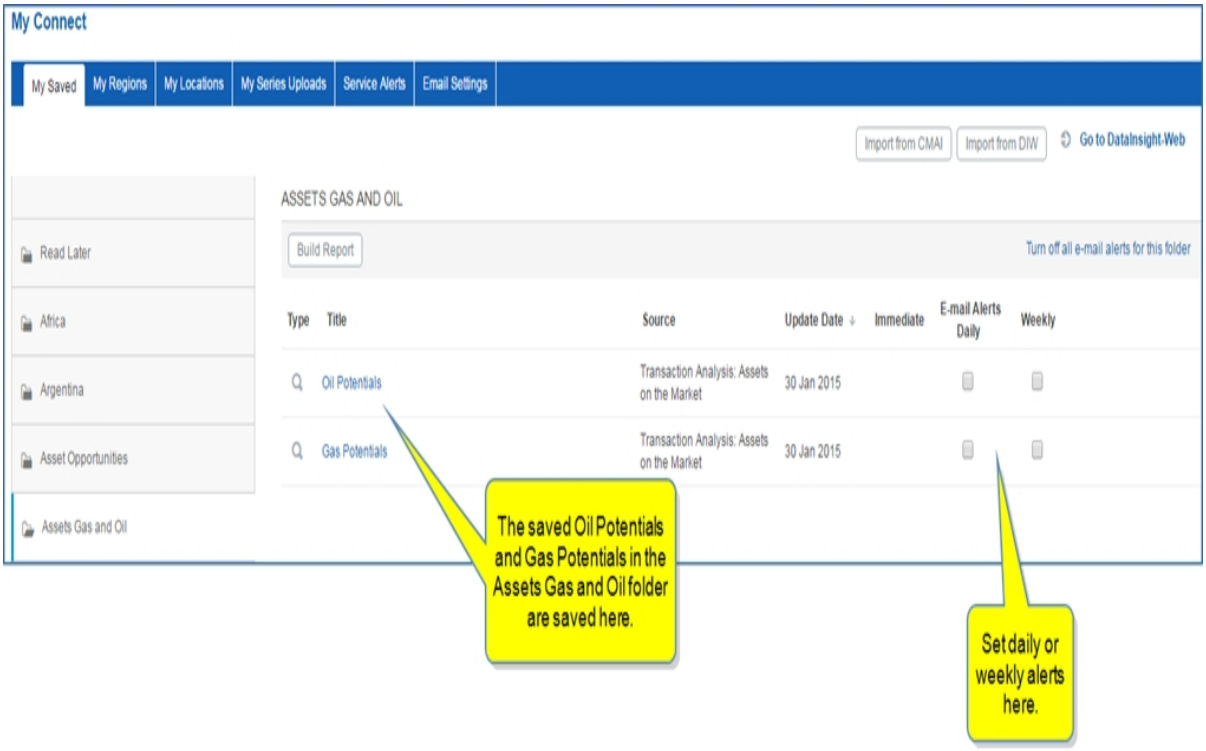
The Assets on the Market tool allows you to explore opportunities for investment into developing, energy industry assets by providing Significant Energy Assets on the Market (SEAM) research articles for your review. The content of the articles covers available assets on the market, potential buyers, sellers, sale prices, potential interest parties, strategies, and benefits of possible trends. Pre-defined quick searches offer articles about opportunities and reserves / resources. Latest Opportunities lists article titles and dates for quick access. You can also do an advanced search to define search criteria, and save searches for future reference.

Assets on the Market is connected to the Transaction Analysis tool to give you the flexibility of moving between the tools and comparing completed deals and transactions with opportunities and potential deals on the market. From the Assets on the Market home page you can

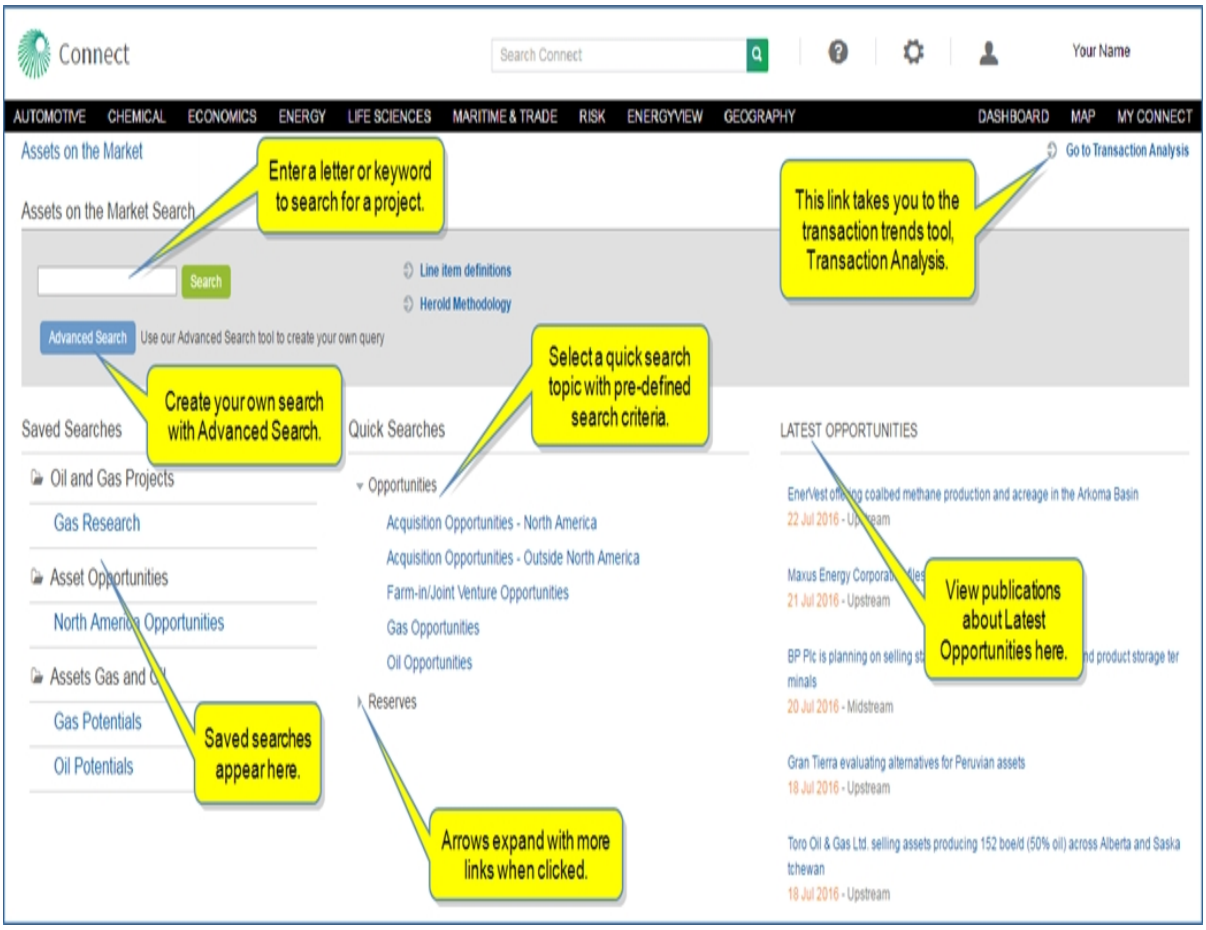
by clicking the link.

Note: When you save a search, it appears on the Assets on the Market page and in My Connect where you can set-up a daily or weekly alert regarding any activity on your search.





When you click **Assets on the Market**, the page opens with a search field where you can enter a letter or a keyword to find a project, an Advanced Search tool to create your own query, Saved Searches, Quick Searches, and Latest Opportunities. You'll also find a **Go to Transaction Analysis** link that allows you to toggle between the Assets on the Market tool (asset opportunities) and the Transaction Analysis tool (deals that have been made).



The sections below provide information about the following:

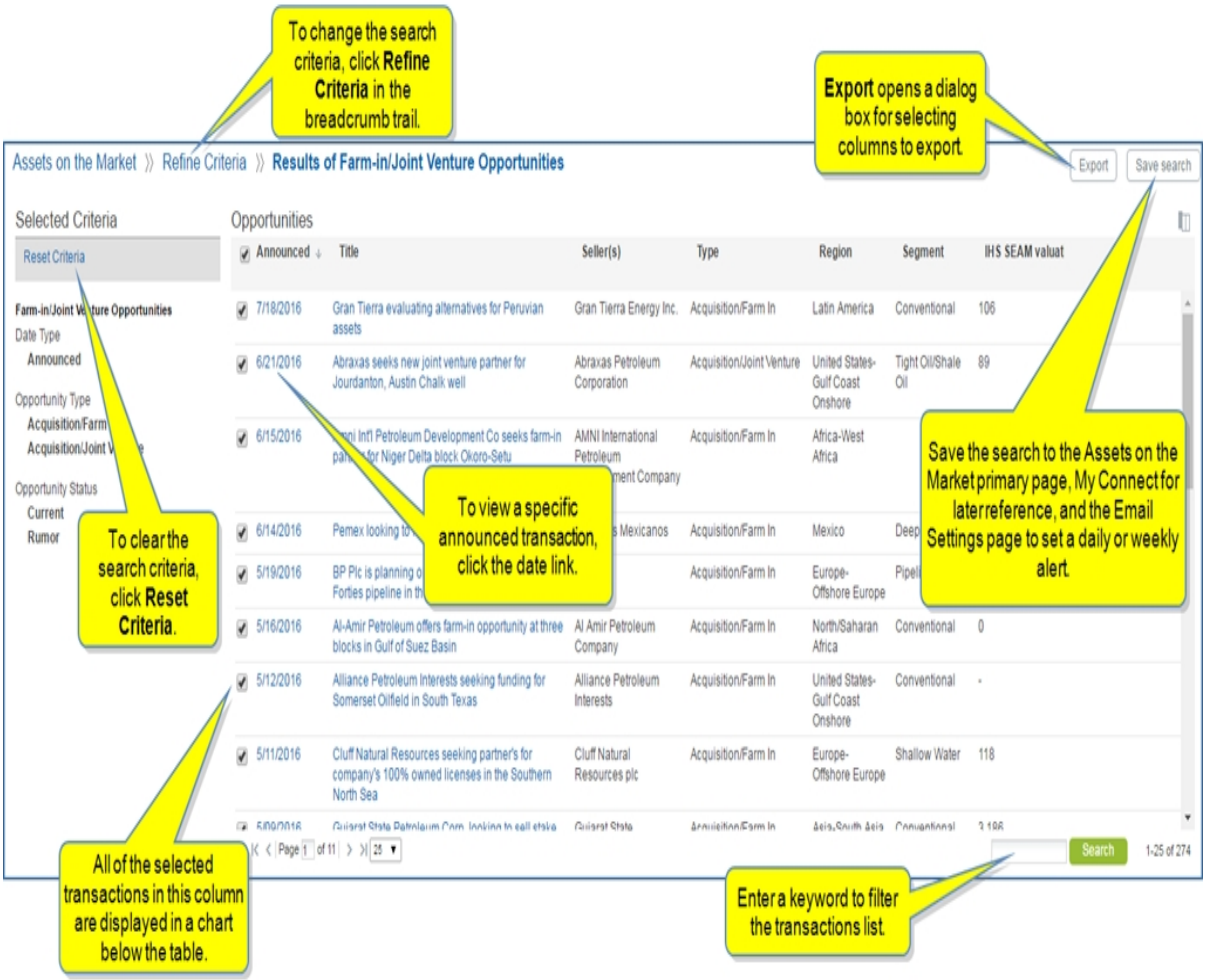
- Viewing a Quick Search
- Using Search
- Creating an Advanced Search
- Exporting results
- Saving search results
- Saving search criteria
- Deleting Saved Searches

Viewing a Quick Search

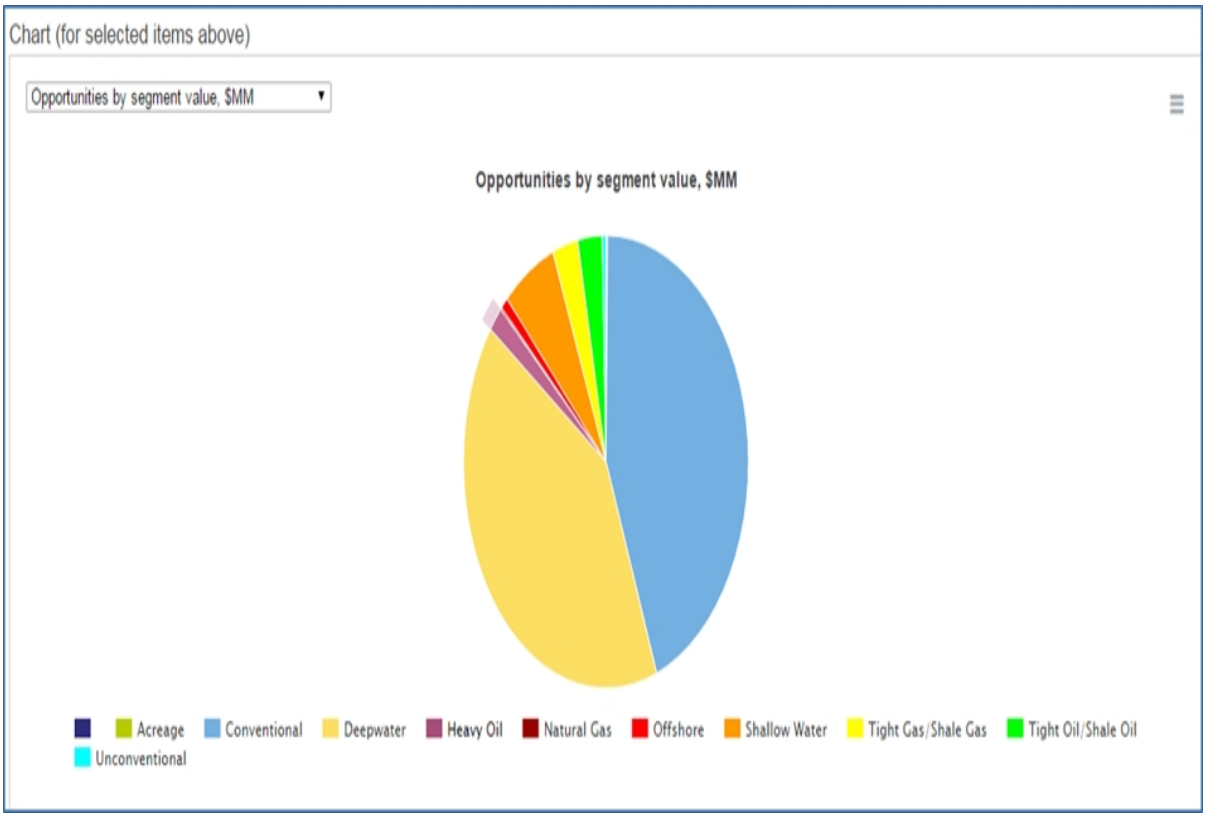
Quick Search links display details of transactions (deals) related to the title of the search. The titles of the searches are organized into categories—for example,

- Opportunities
  - Acquisition Opportunities - North America
  - Acquisition Opportunities - Outside North America
  - Farm-in/Joint Venture Opportunities
  - Gas Opportunities
  - Oil Opportunities
- Reserves
  - Africa & Middle East Reserves/Resources
  - Asia-Pacific Reserves/Resources
  - Canada Reserves/Resources
  - Europe Reserves/Resources
  - Russia & Caspian Reserves/Resources
  - South & Central America Reserves/Resources
  - United States Reserves/Resources

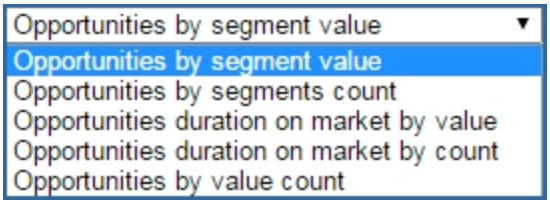
Energy analysts have chosen the search criteria. Results are organized in columns for easy viewing and access. The overview lists the announced transactions in descending chronological order with some detail about the sellers, type, region, segment, and the IHS Markit SEAM value. When you view search results, you can change the search criteria by clicking **Refine Criteria** in the breadcrumb trail.



Below the table on the results page, a chart is displayed that includes the selected (check marked) transactions.



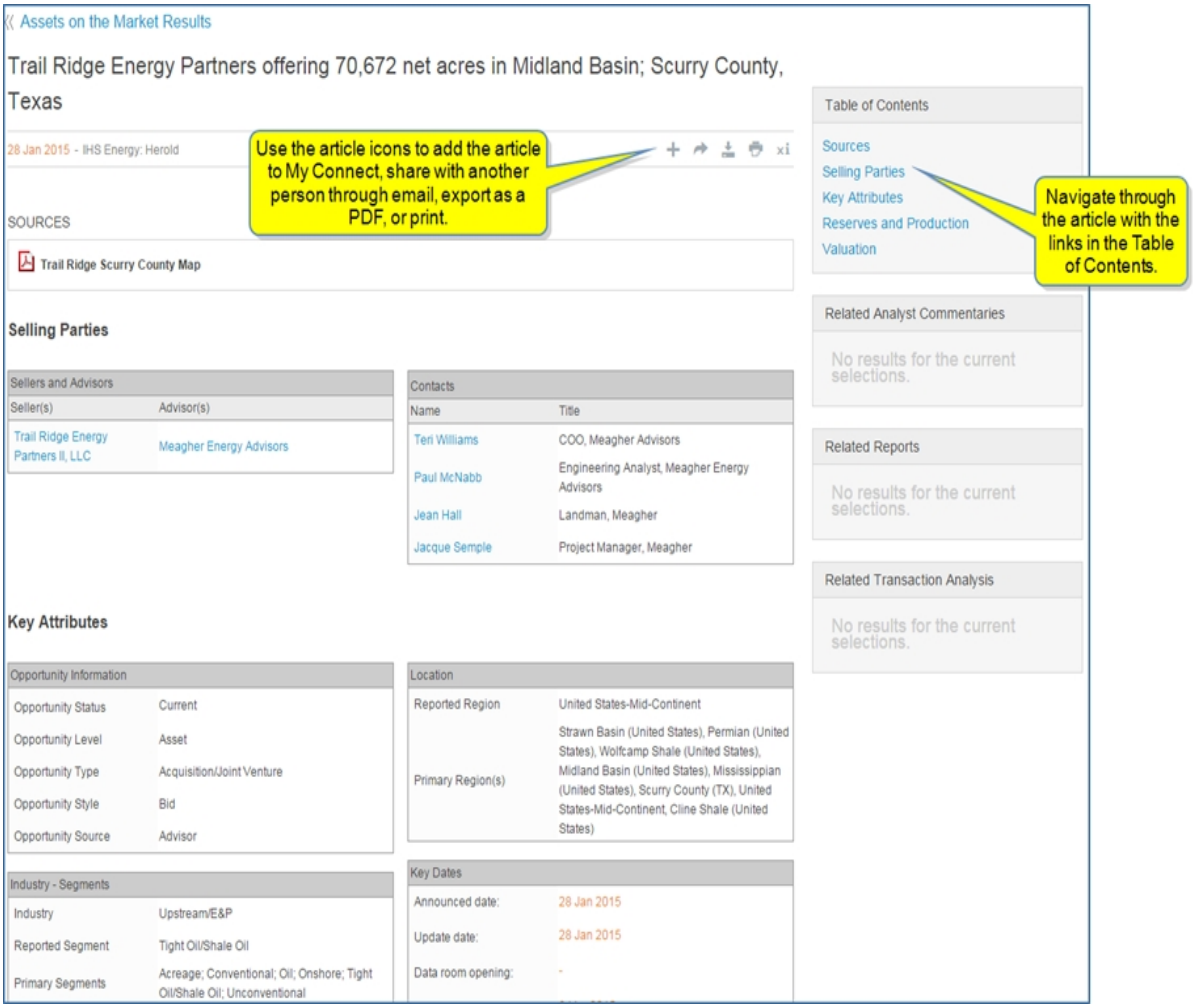
You can change the criteria you view on the chart by selecting from the drop-down menu.



Article View

The article view provides details about the opportunity and includes Seller and Adviser information that links to the Company Profile page where you'll find more detailed information about the company(ies) . Contacts, their titles, and information are included, and modules for Sources, Related Analyst Commentaries, Related Reports, and Related Transaction Analysis are displayed on the right.

When you want to view more details for a specific project, click one of the project name links (in blue) on the results page. A scrollable article page is displayed. Navigate through the article using the links in the Table of Contents. You can also add the article to My Connect, share, export, or print the article using the article icons.



Article icons allow you to save, share, export, or print the entire article.

Add the article to a folder on My Connect.

Share the article with another person through email.

Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

Print the article.

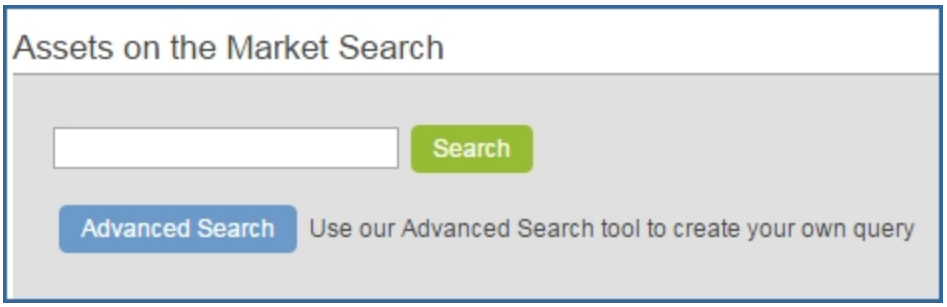
Turn on Information icons throughout the article. Then click the icons to display line item definitions for a term, a link to more details for the term, and the Line Item Definitions linked tree.

Turn off Information icons throughout the article.

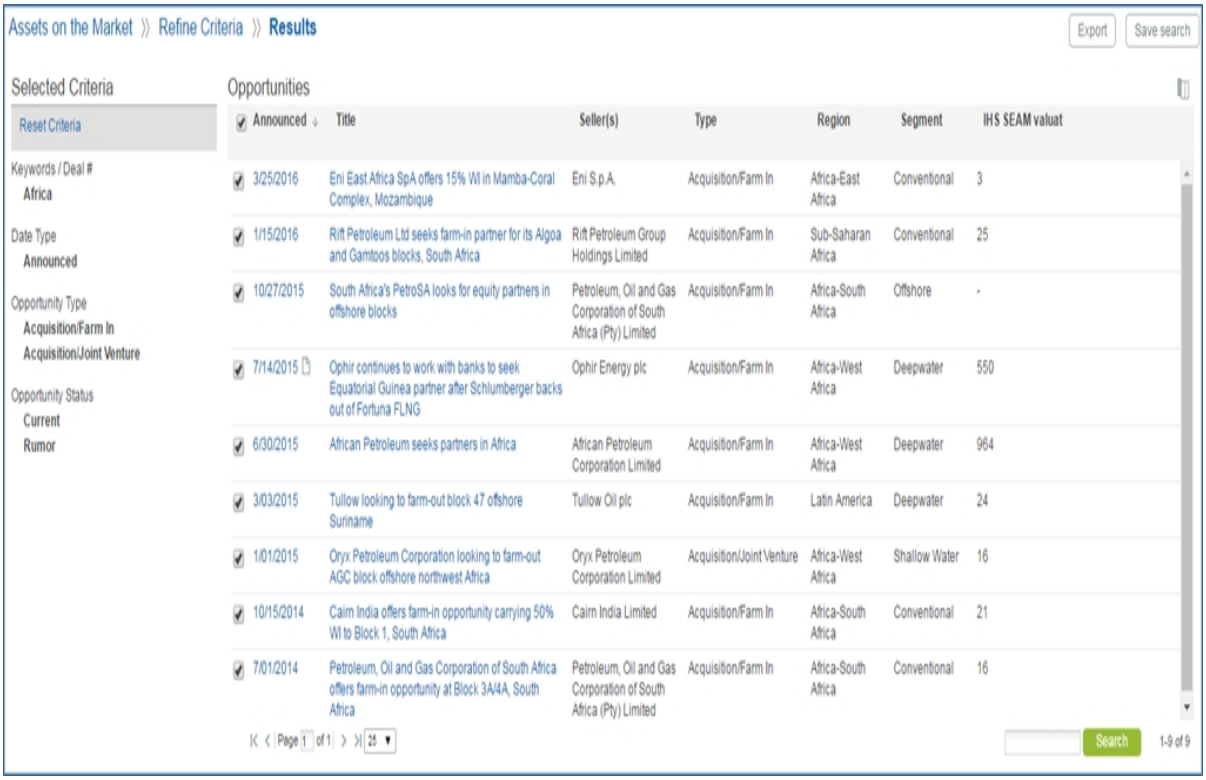
When you scroll to the bottom of the page, a linked name is displayed. When you click the name, the contact information for the analyst of the article becomes available.

Using Search

To search for a project using a keyword or the name of the project, start typing the keyword into the Search field.

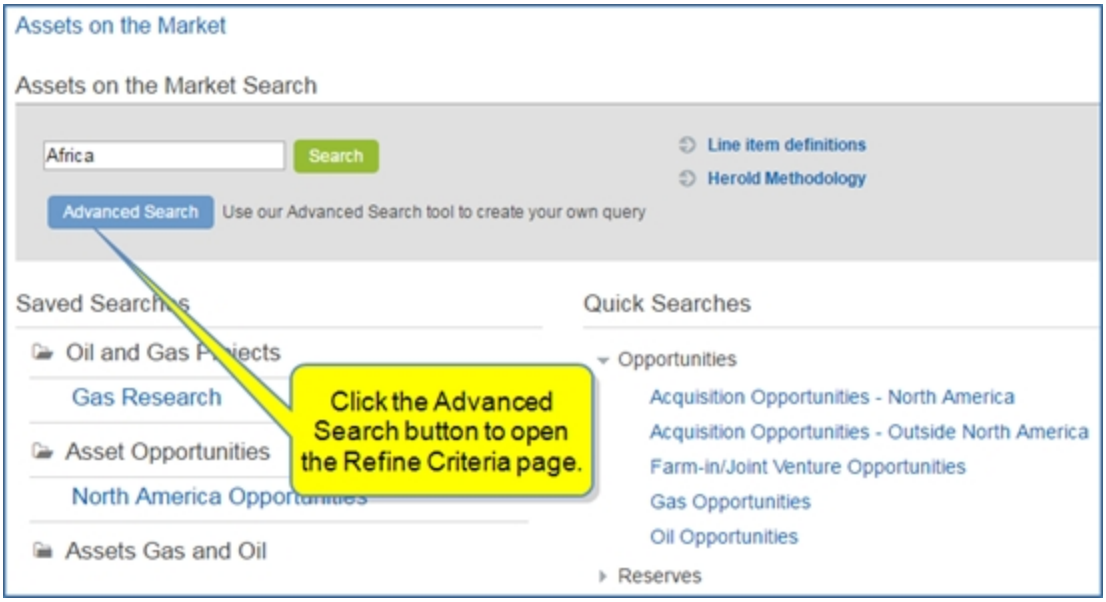


Click Search to view search results.



Creating an Advanced Search

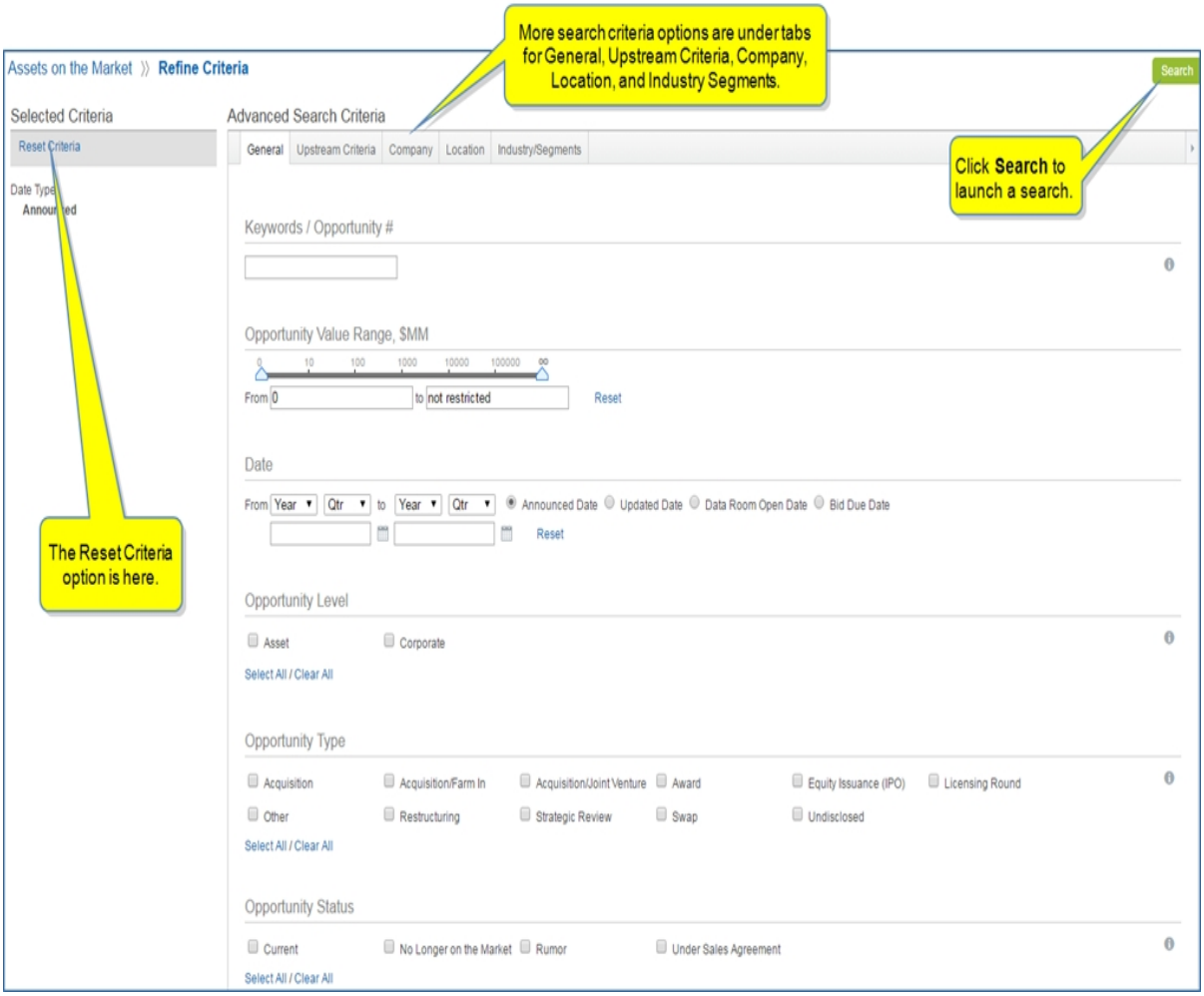
To launch a search with your own search criteria, click the **Advanced Search** button.



The Refine Criteria page shows you the Selected Criteria and the following tabs:

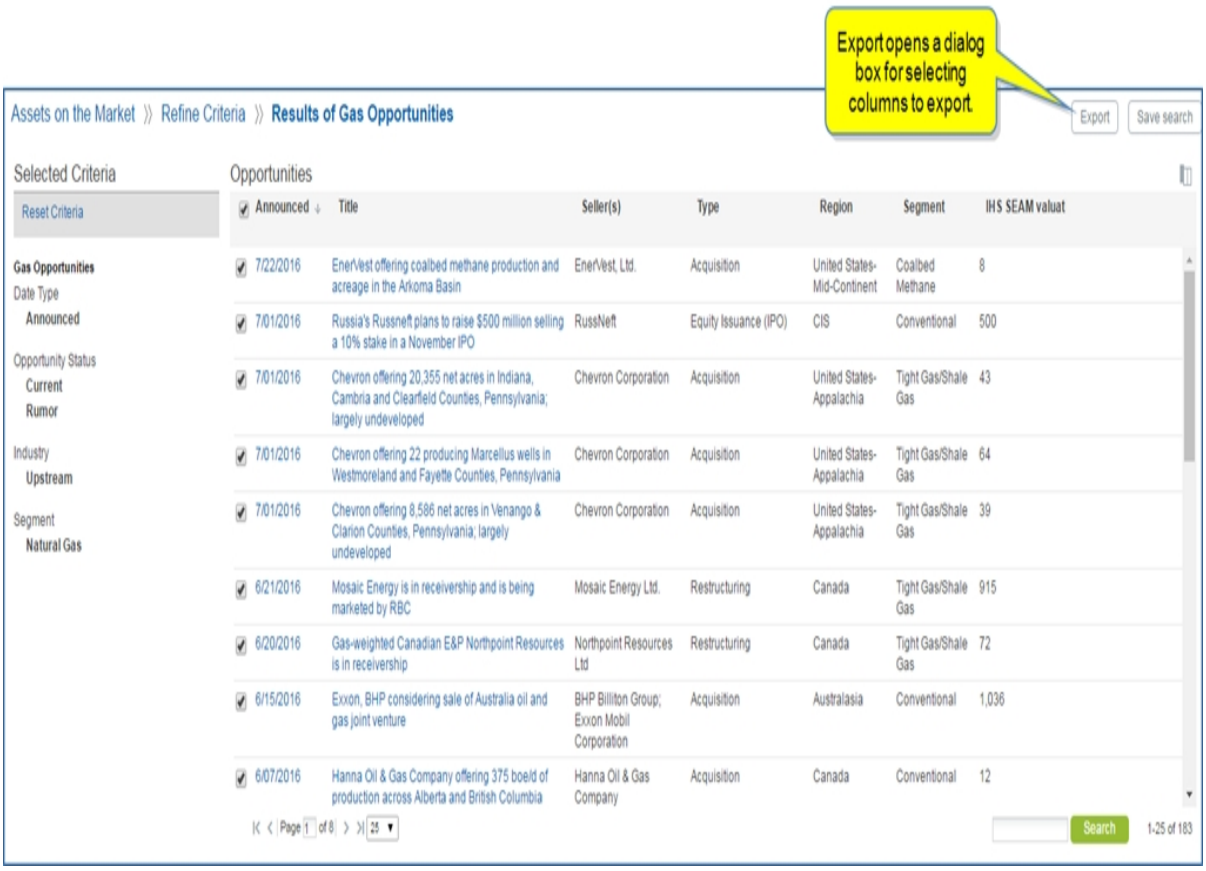
- General
- Upstream Criteria
- Company
- Location
- Industry/Segments

Use the options on these pages to include the criteria you want to see in search results. You can include as many or as few criteria as you prefer. You can clear all selections at any time.



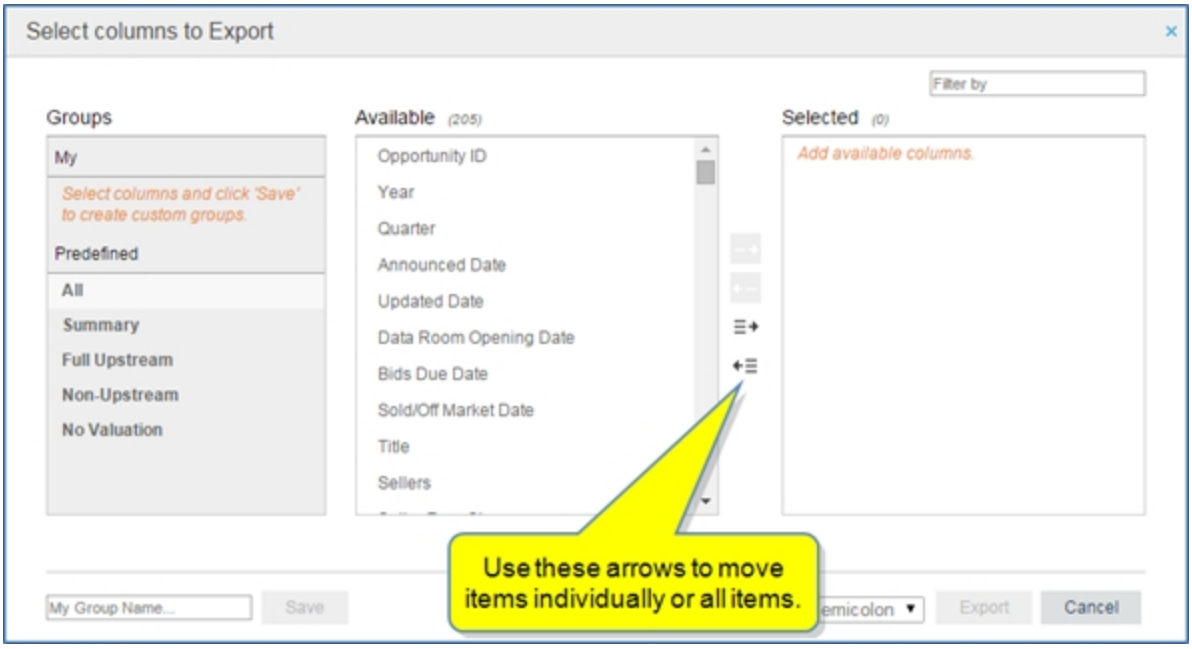
Exporting results

You may want to export results from a Quick Search or an Advanced Search. Select **Export** in the upper right corner.



The ***Select columns to Export*** dialog box opens. This feature allows you to create a custom excel export.

You can customize the columns for your export by selecting a Predefined Group (All is an option), and moving Available attributes to the Selected box by clicking the right arrow ( ) or move all icons ( ). Arrange attributes (columns) into a custom export order by dragging and dropping into position. Then click **Export**.



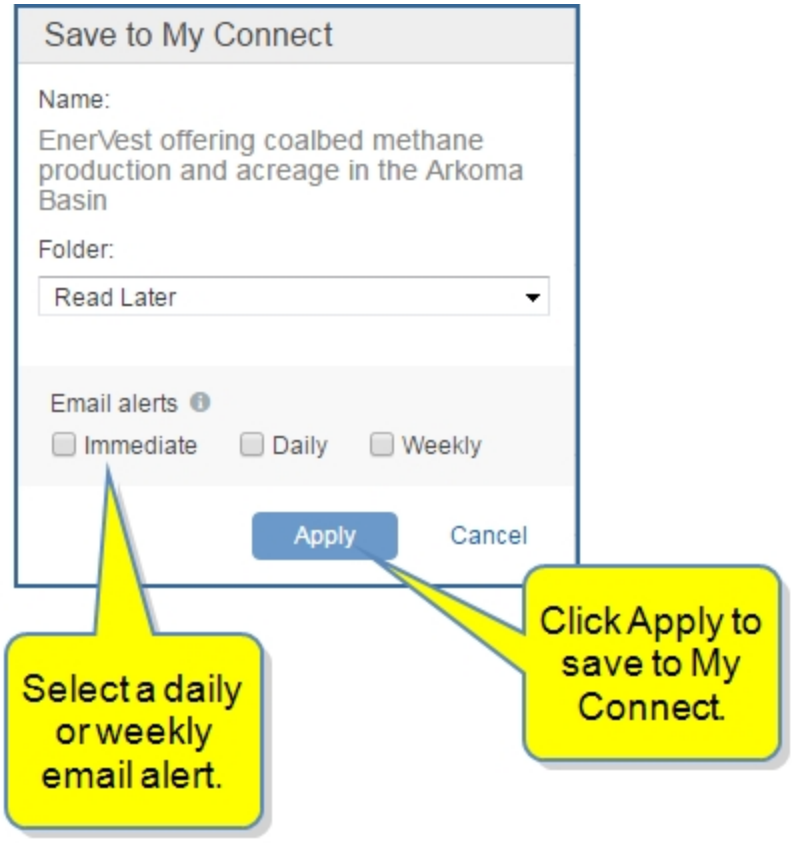
Note: To save your custom order of selected attributes, create a My group by entering a name into the **My Group Name...** input box and clicking **Save**.

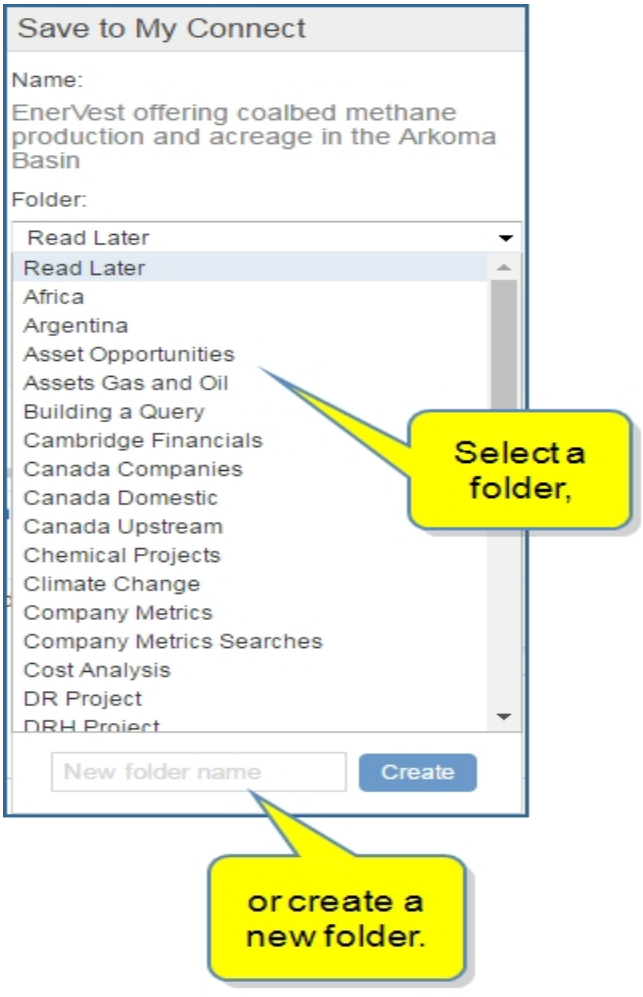
Your saved attribute group will appear under My in the Groups column until you delete it. To delete, click the X to the left of the My group name.

Saving search results

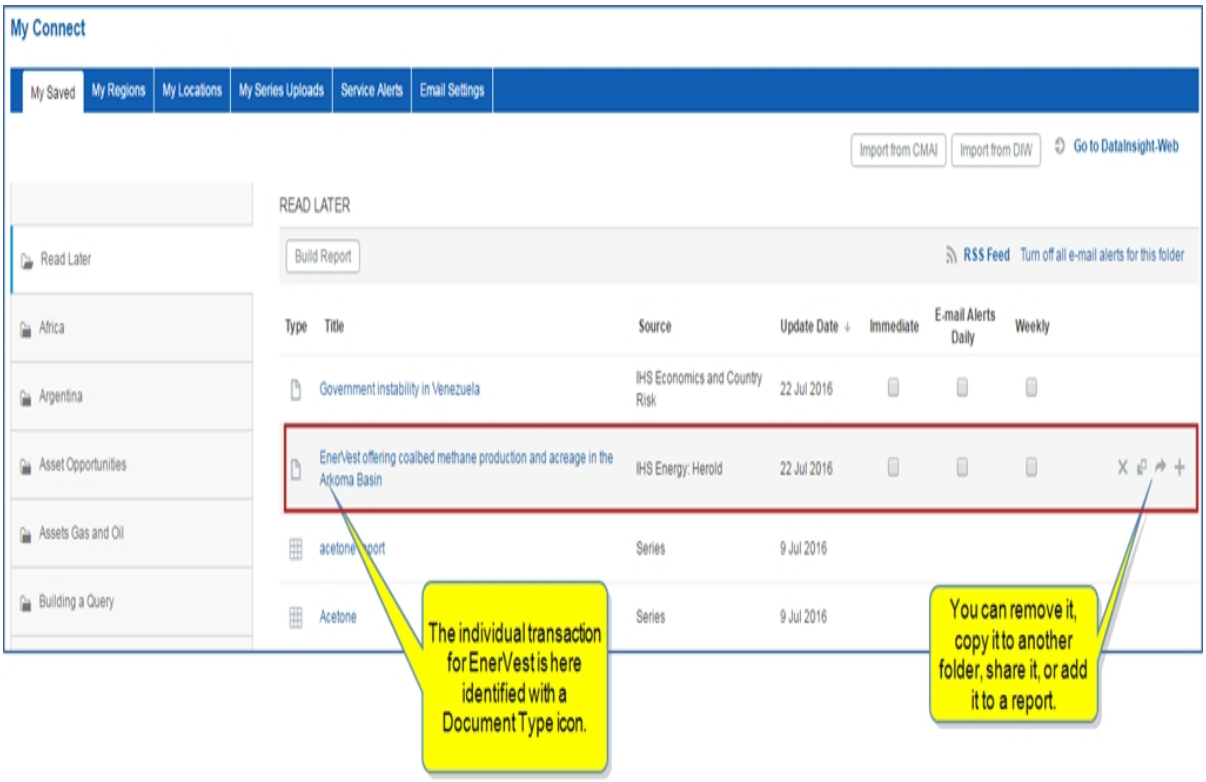
You may want to save individual search results. Select the **Save to My Connect**icon ( ) appearing to the right of the result on hover.

The **Add to My Connect** box opens. Save the results to Read Later, any existing project folders, or create a new project. We'll save it to "Read Later."


Save to My Connect
Name:
EnerVest offering coalbed methane production and acreage in the Arkoma Basin
Folder:
Read Later
Email alerts
Immediate
Daily
Weekly
Apply
Cancel
Select a daily or weekly email alert.
Click Apply to save to My Connect.


Save to My Connect
Name:
EnerVest offering coalbed methane production and acreage in the Arkoma Basin
Folder:
Read Later
Read Later
Africa
Argentina
Asset Opportunities
Assets Gas and Oil
Building a Query
Cambridge Financials
Canada Companies
Canada Domestic
Canada Upstream
Chemical Projects
Climate Change
Company Metrics
Company Metrics Searches
Cost Analysis
DR Project
DRH Project
New folder name
Create
Select a folder,
or create a new folder.

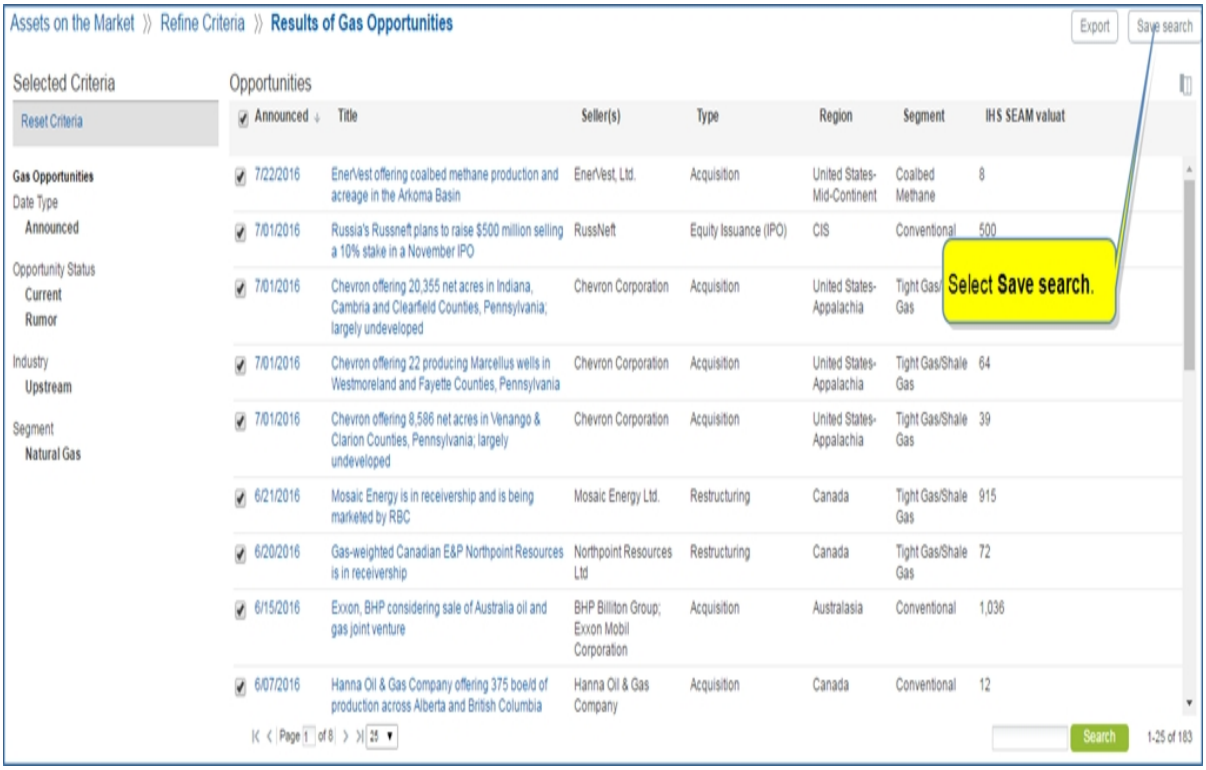
The saved project is stored as a document on My Connect in the Read Later folder. While hovering over the project, you can share, copy it to another folder, or remove it from My Connect and the Assets on the Market home page.



When you click the title, the article view with details is displayed.

Saving search criteria

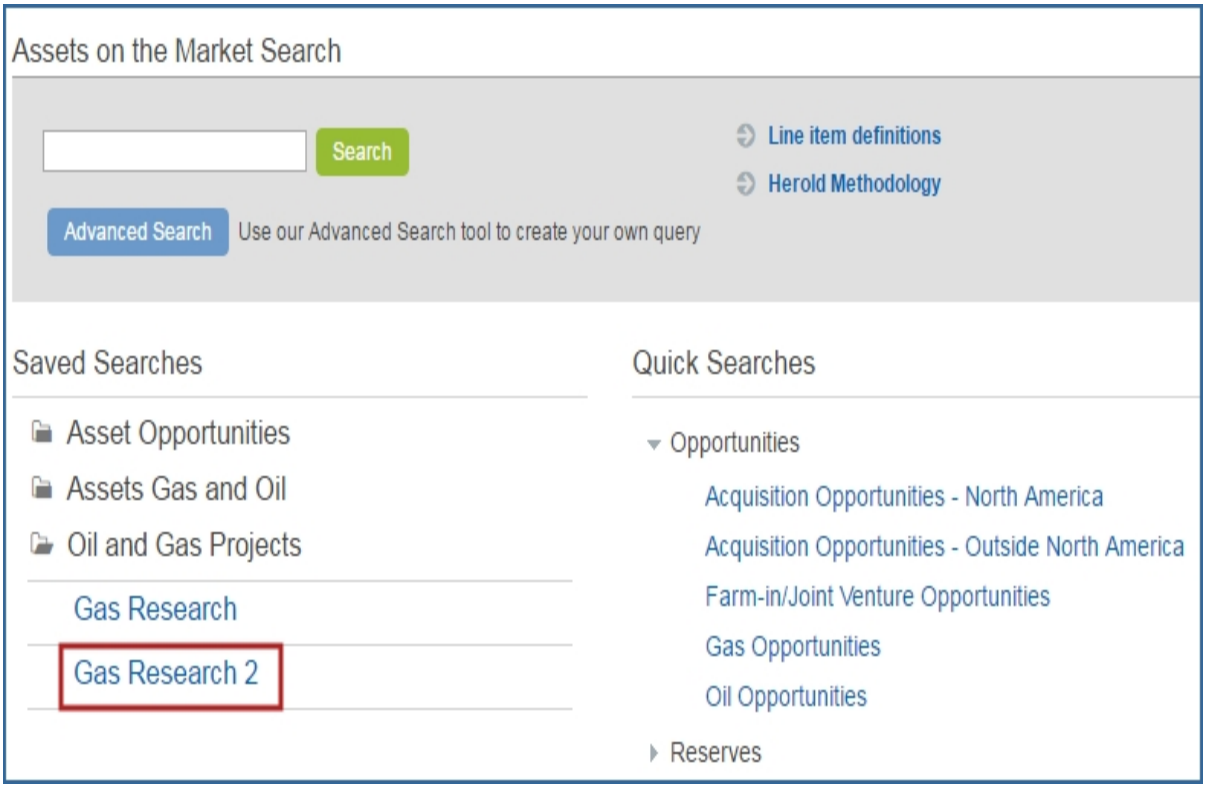
You may want to save a Quick Search or an Advanced Search. Select **Save search** in the upper right corner.



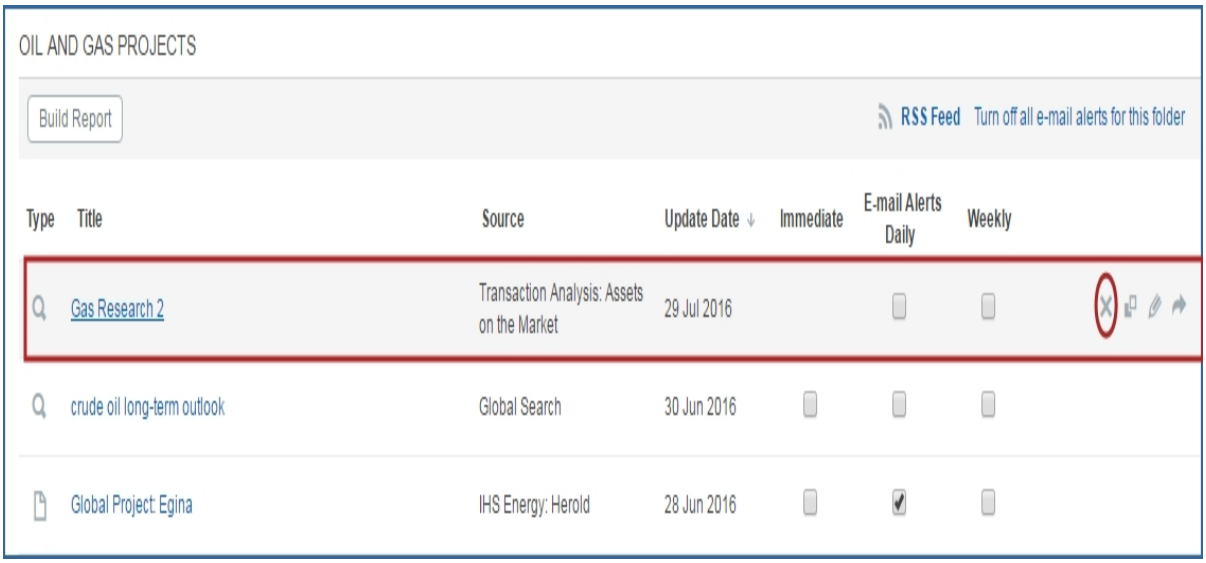
The ***Save to My Connect*** dialog box opens. We'll name the search "Gas Research 2," and put it in the "Oil and Gas Projects" folder, which appears on the drop-down list for the Project field. Because we selected a folder already created on My Connect, we'll click **Apply**.

To create and name a new folder, enter the new information in the Name and Project fields, and then select **Create**.

The folder "Oil and Gas Projects" containing the "Gas Research 2" search now appears under Saved Searches on the Assets on the Market page. (Click the folder to view the search.)

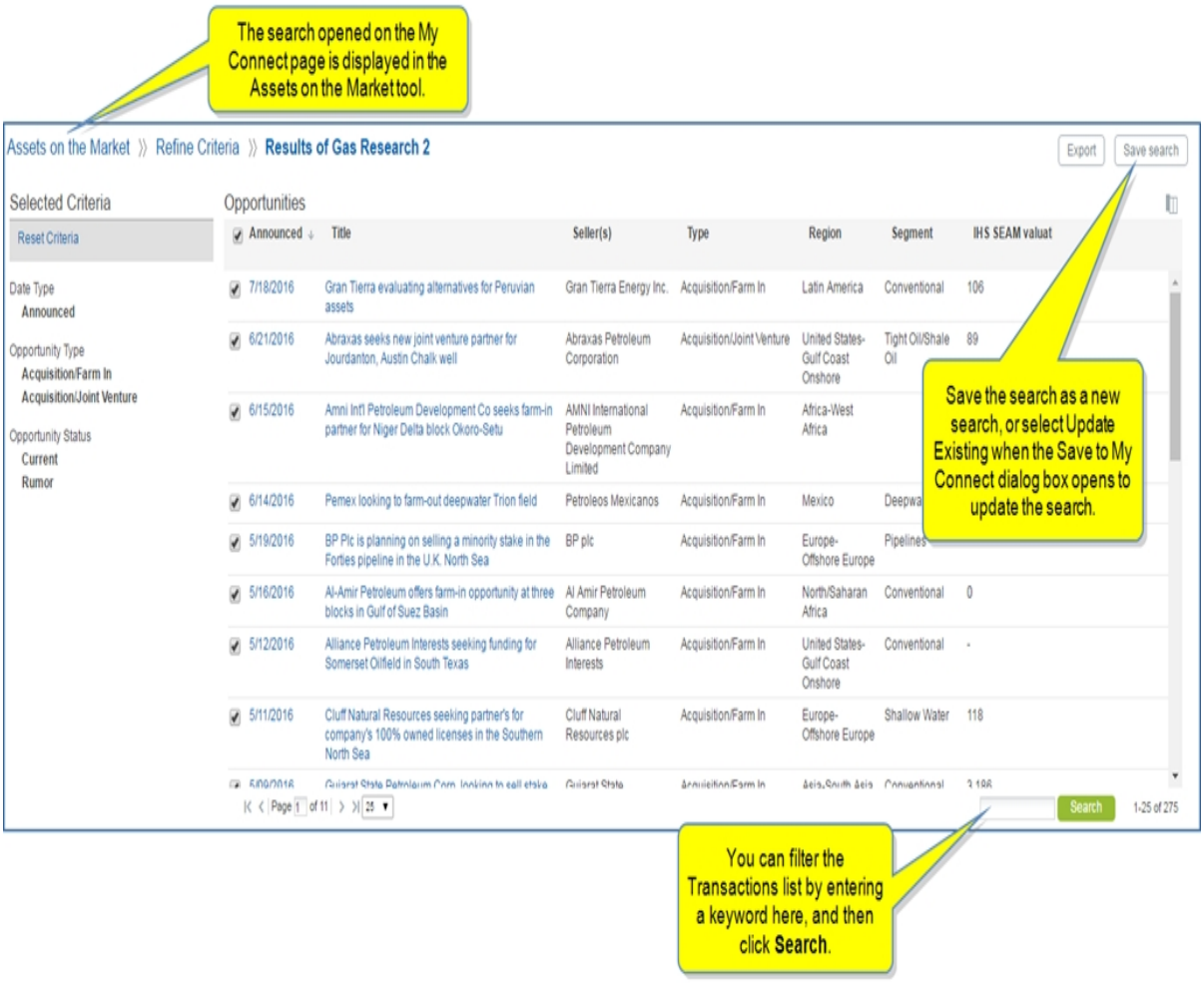


It also appears on My Connect with the Transaction Analysis: Assets on the Market Query Type icon. Email alert options are available.

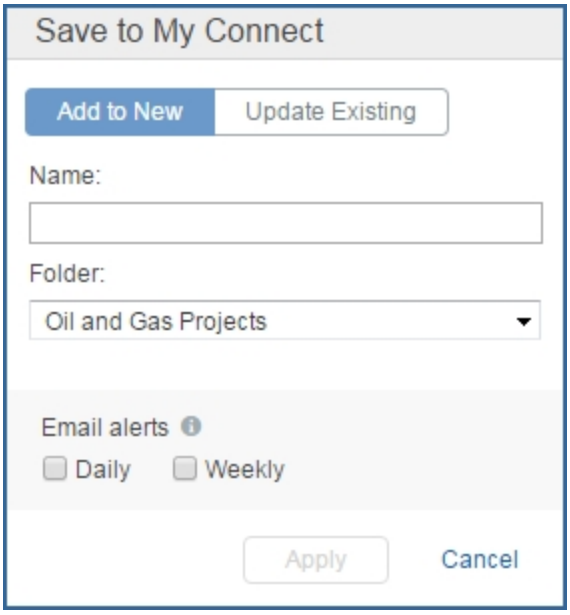


If you select the search while in My Connect, the search results opens on the Assets on the Market page. If you want to revise your search criteria, just select **Refine Criteria** in the breadcrumbs trail and make new criteria selections. After the modifications, click **Search** to display the new search results.

You can update the search when you refine criteria, or you can save the modifications as a new search.



The ***Add to My Connect*** dialog box allows you to **Add to New** or **Update Existing,** select a Folder and Email alerts.

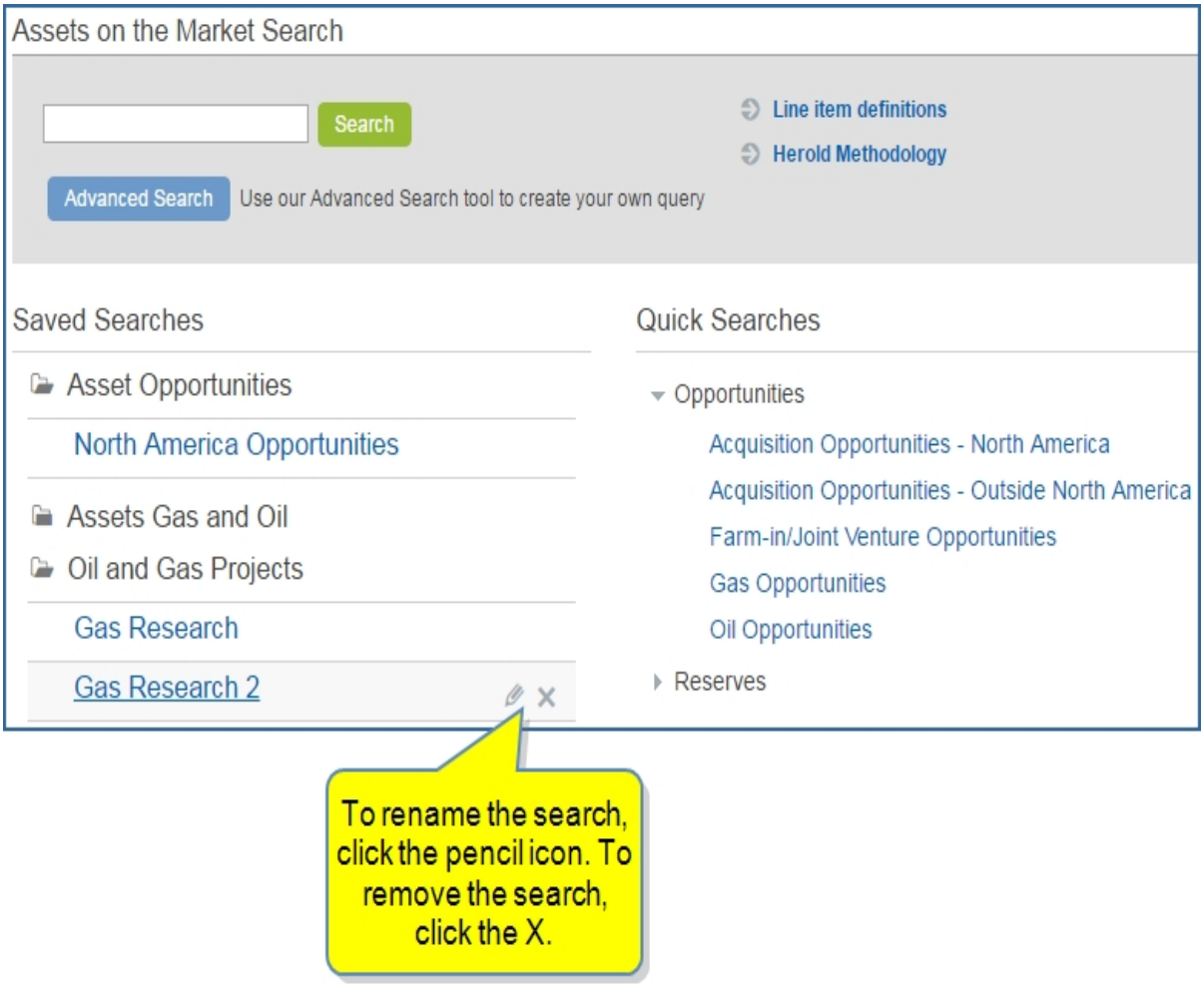


Note: You may want to save individual search results. Select the **Save to My Connect** icon ( ) appearing to the right of the result on hover. The ***Save to My Connect*** dialog box opens. Save the results to any existing project folders, or create a new project. The saved project is stored as a document on My Connect in the selected project folder. While hovering over the title, you can remove it from My Connect and the primary page for Assets on the Market, copy it to another folder, or add to a report. When you click the title, the article view with details is displayed.

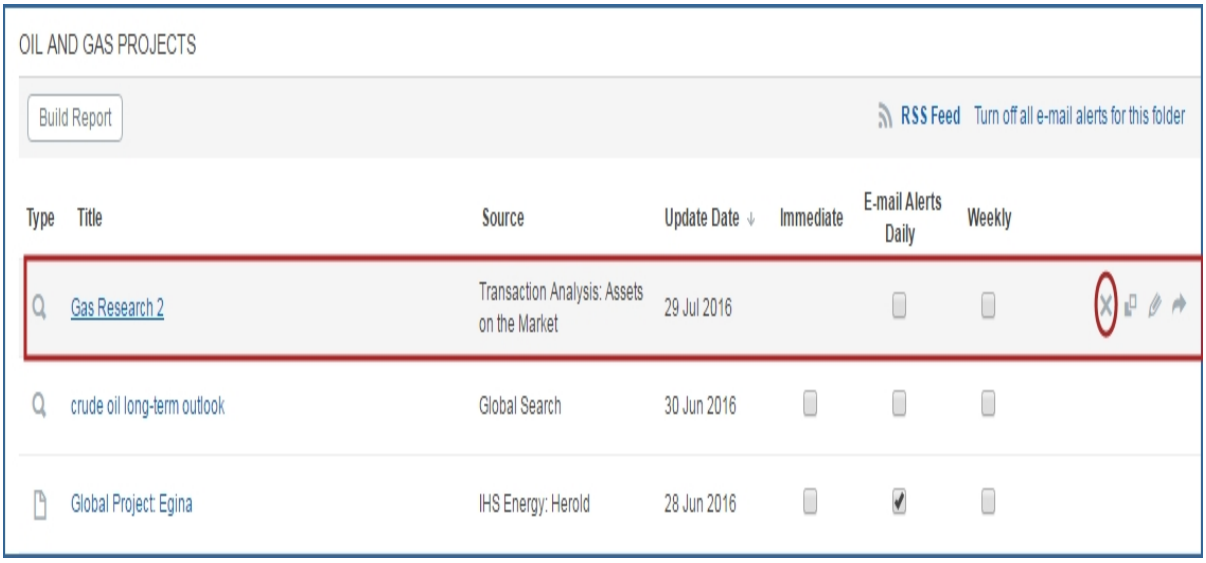
Deleting Saved Searches

There are two places where you can delete an Assets on the Market search—on the Assets on the Market primary page and on My Connect. Deleting a search from either of these locations removes the search from Assets on the Market, My Connect, and Email Settings.

To delete a saved search from the Assets on the Market page, highlight the search and click the X.



To delete a search from My Connect, highlight the search and click the X.



Note: If you created a new folder for the search, and you want to delete it, highlight the folder in the left pane of My Connect, and then click the **X**.

Charts

How to use the Chart Editor

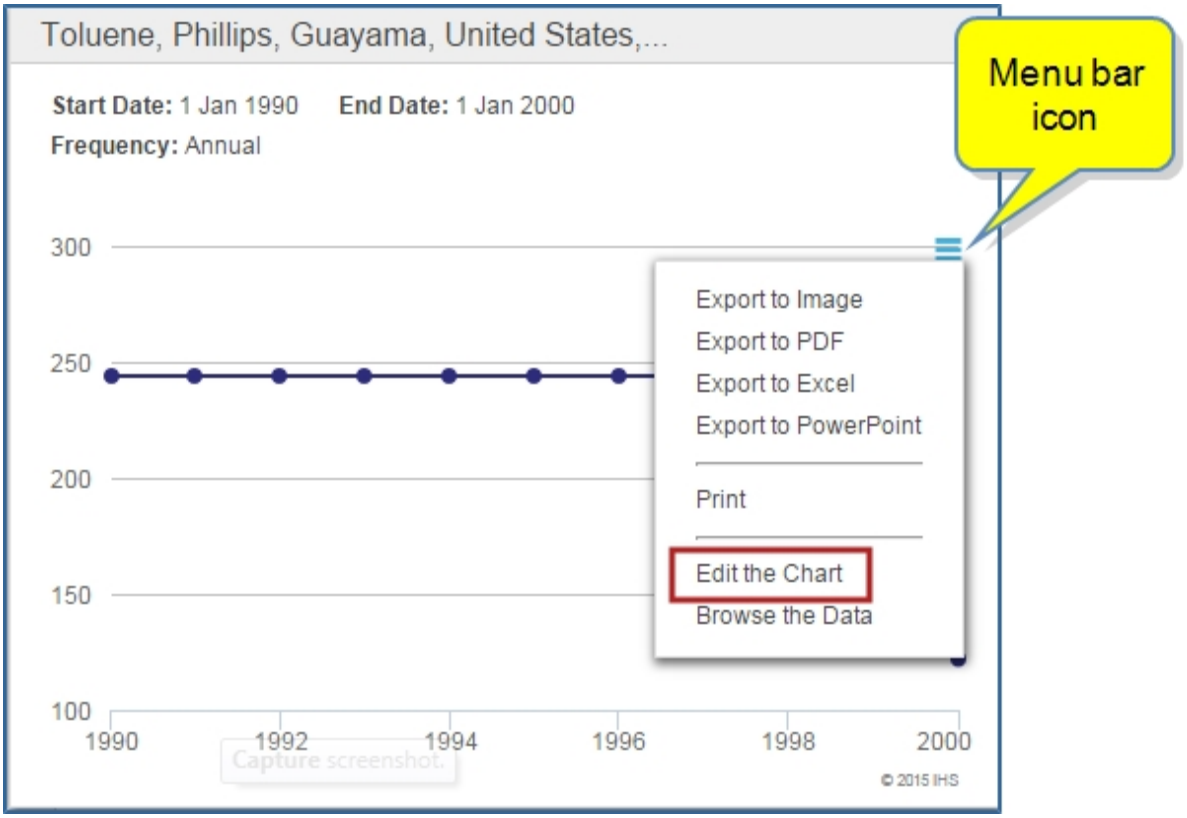
Chart Editor is a tool that enables you to create customized charts with the series and preview charts presented in Data Browser, Scenario Model, Search, and certain pre-defined pages (Insight, Industry, Geography). Note there is no separate entry to the Chart Editor under Tools. You access this tool from the above mentioned places. You can store customized charts in My Connect.

Once you save a chart the first time in Chart Editor, it automatically saves when you make further changes. The data for the chart is updated and alters your chart whenever HIS updates the underlying data series. After you download a chart, you can manipulate it as a native object in PowerPoint.

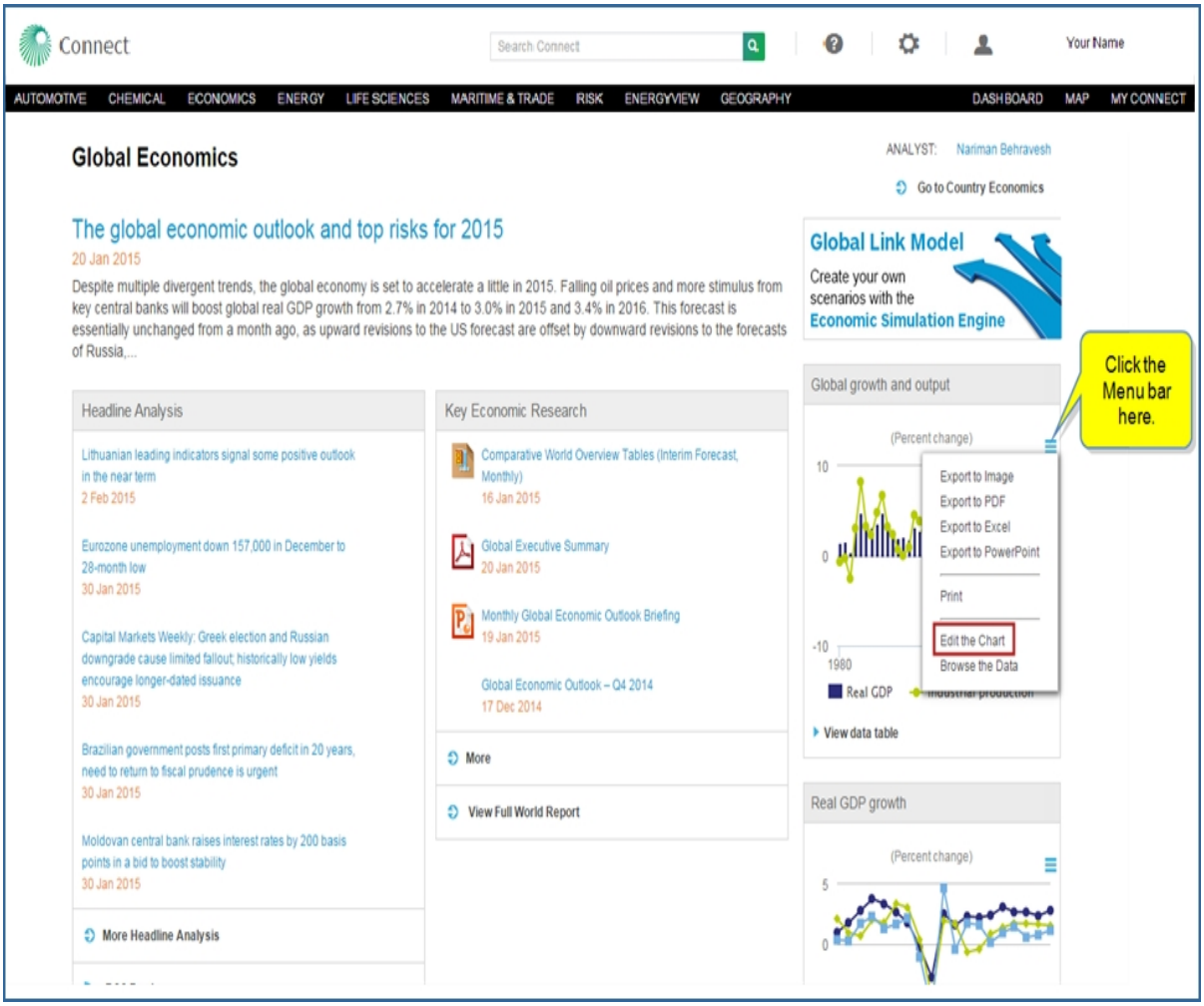
Entering Chart Editor

There are different ways of entering the Chart Editor:

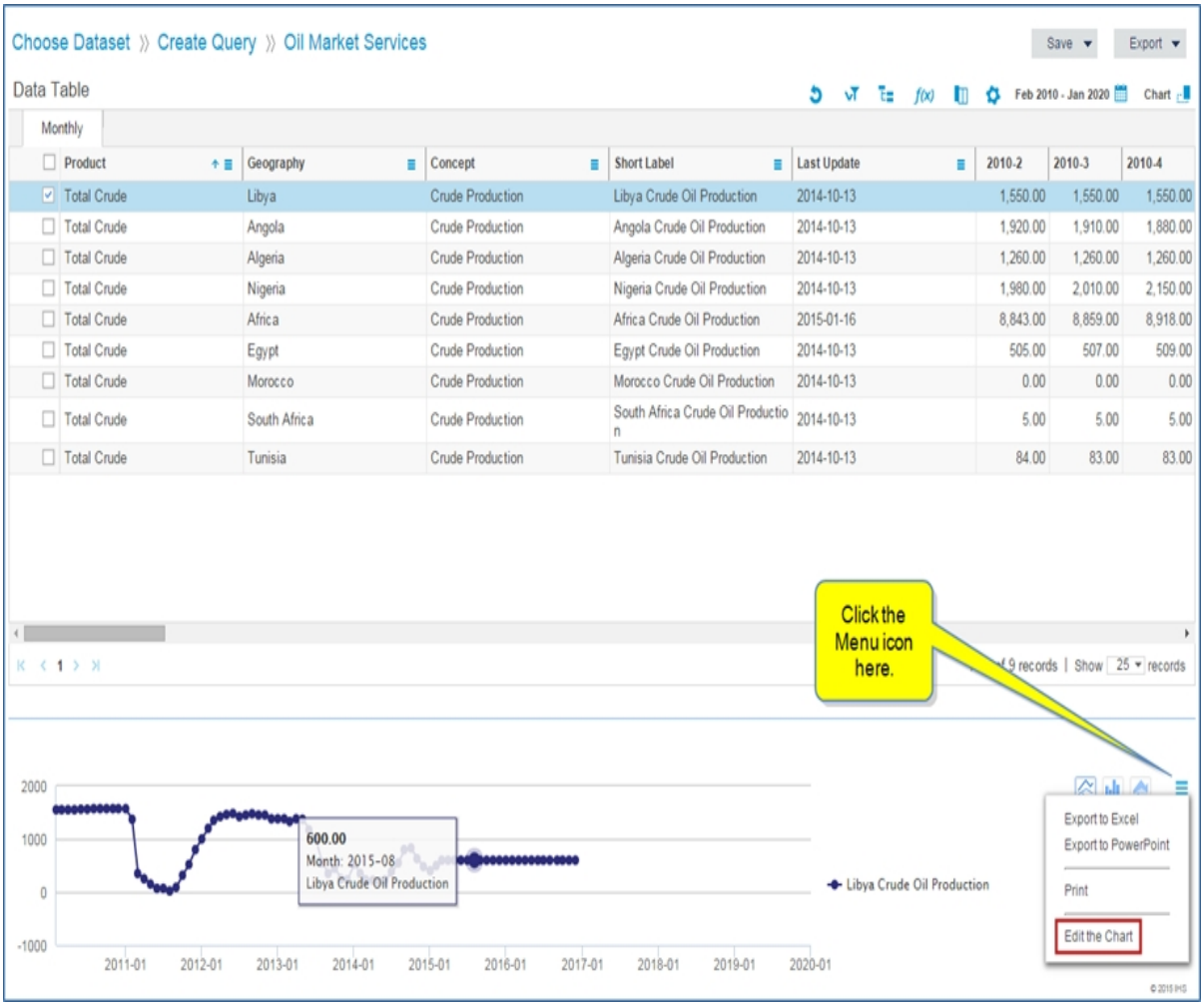
From the Search page, by clicking the Book icon to the right of the Data Series article in the Search results list. This displays the chart. Then click the Menu bar icon and **Edit the Chart** in the chart. You can also click the title of the article which then opens the article and the chart for viewing.



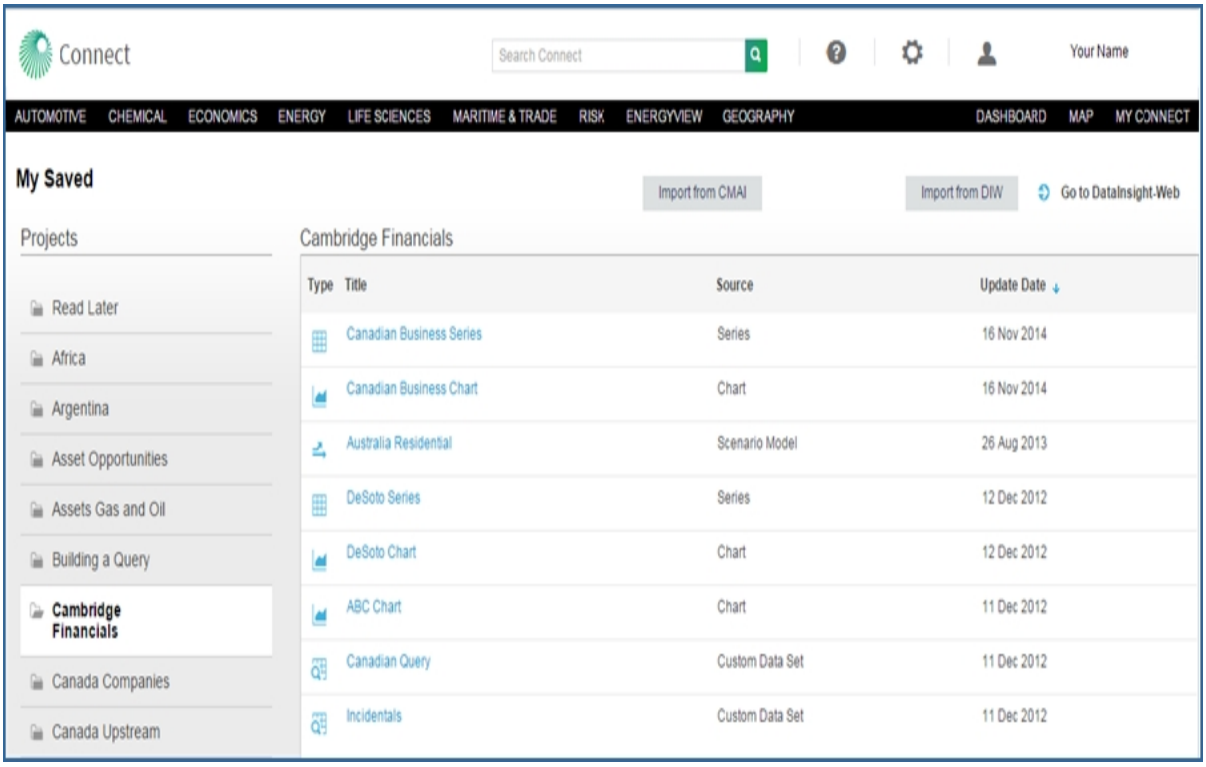
From certain preview charts and tables in Insight and Industry pages, by clicking the Menu bar icon and **Edit the Chart**.



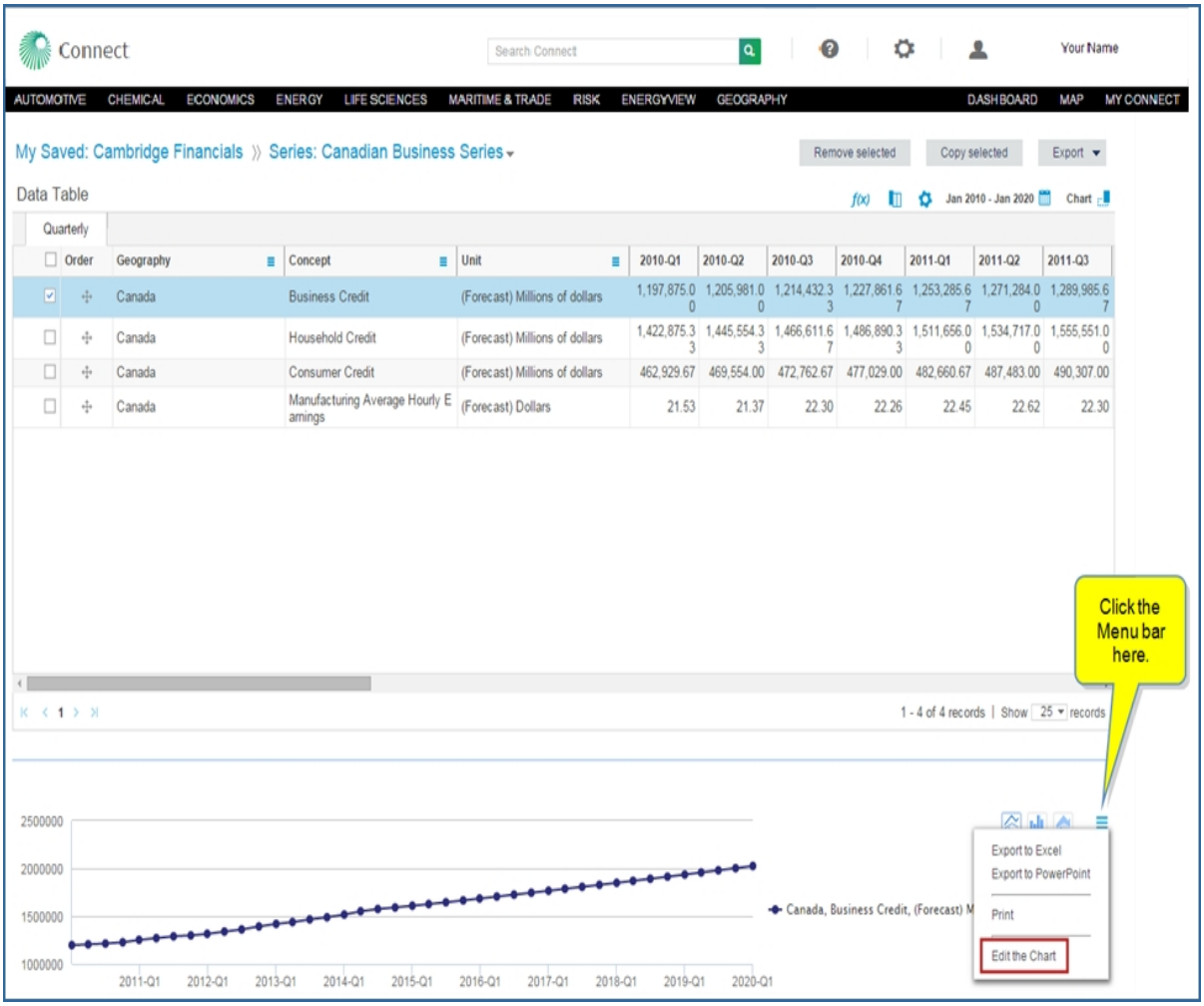
From preview charts in Scenario and Data Browser, by clicking the Menu bar icon and **Edit the Chart**



From My Connect: if you saved data series or scenario in chart format, go to My Connect and click to open it.

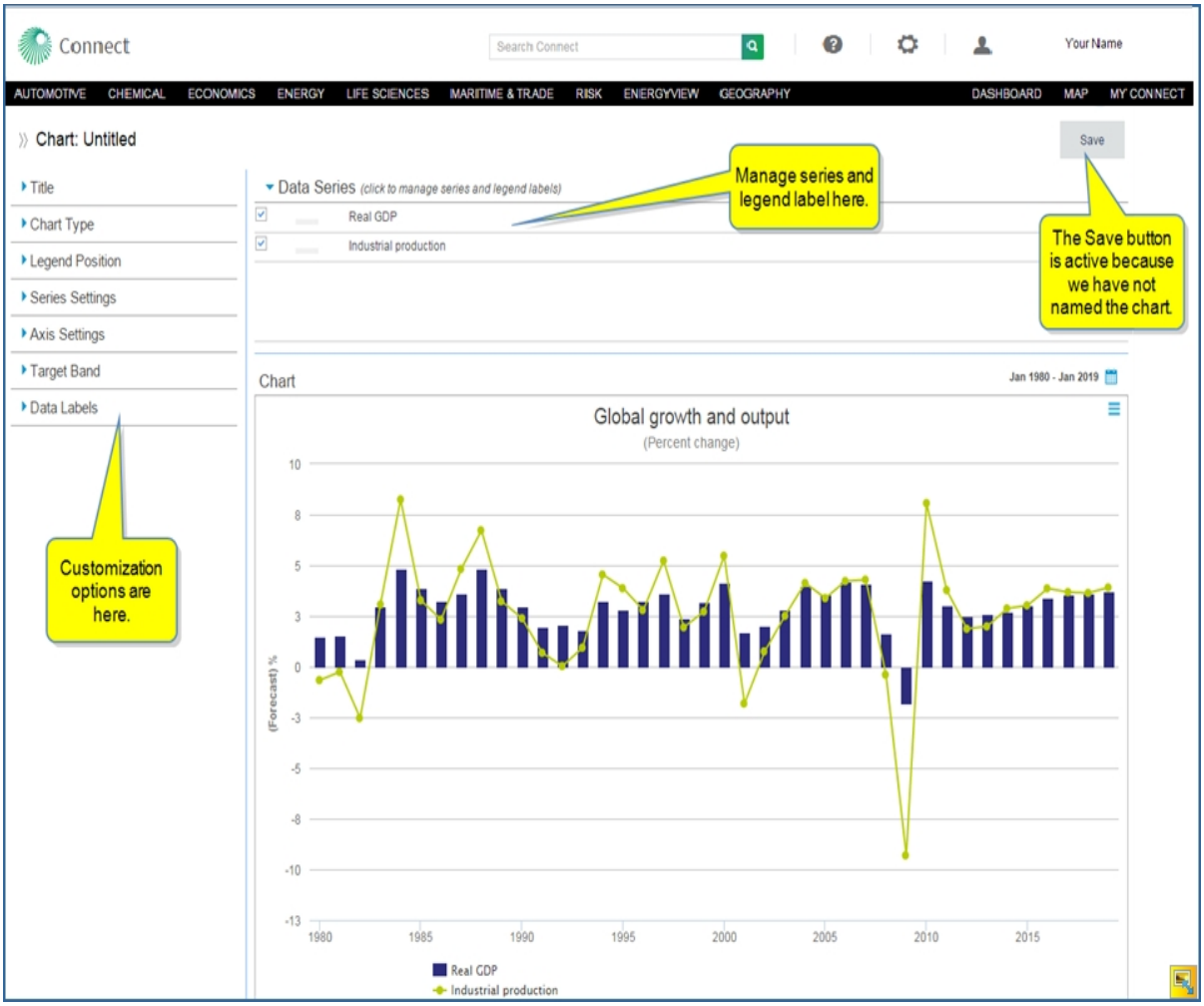


In the following example, we selected the Canadian Business Series on My Connect. Click the Menu bar icon and then **Edit the Chart**to open the chart in the Chart Editor.



Editing a chart

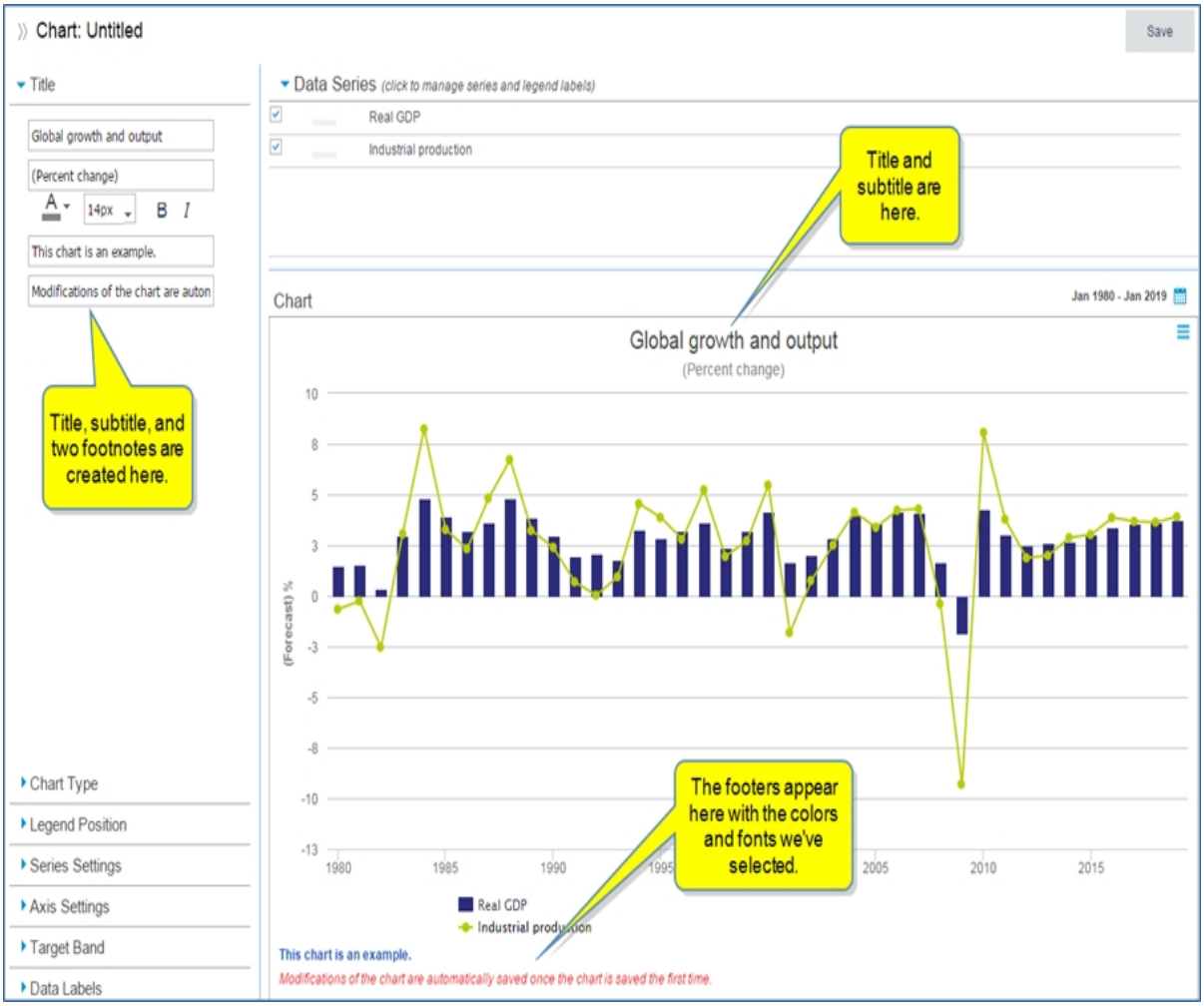
The choices for your customization are in the left panel: Title, Chart Type, Legend Position, Series Settings, Axis Settings, Target Band, and Data Labels. Also, along the top is an arrow with Data Series where you can manage series and legend labels. All the changes you make to the chart are optional.



Title

Once you give the chart a title, you can save the chart. From that point forward the Save button will be grayed out because all further modifications are automatically saved.

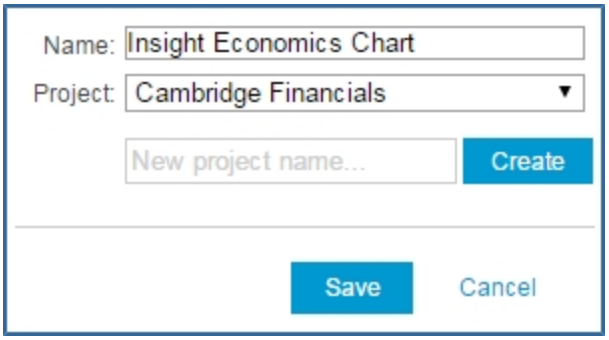
We'll give the chart a title, subtitle and two footers.



Saving the Chart

At this point we'll save the chart. Click the **Save** button, and a dialog box is displayed where you can give the chart a name and save it to a project. We'll name the chart "Insight Economics Chart" and save it in the "Cambridge Financials" project. (There is also the option to create a new project folder.)

Note: Once this is done, you will never see the Save button again. Any change you make to the chart will be automatically remembered.



Now the chart appears on My Connect.

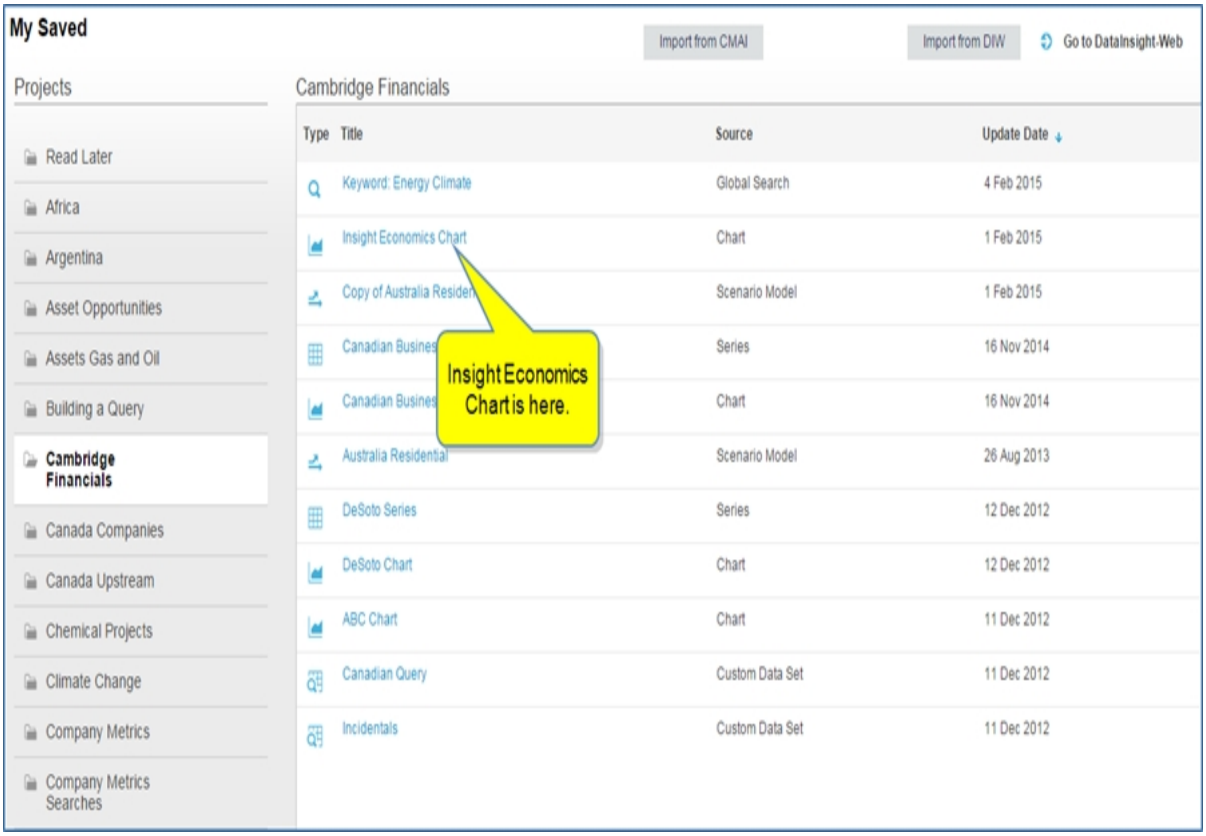
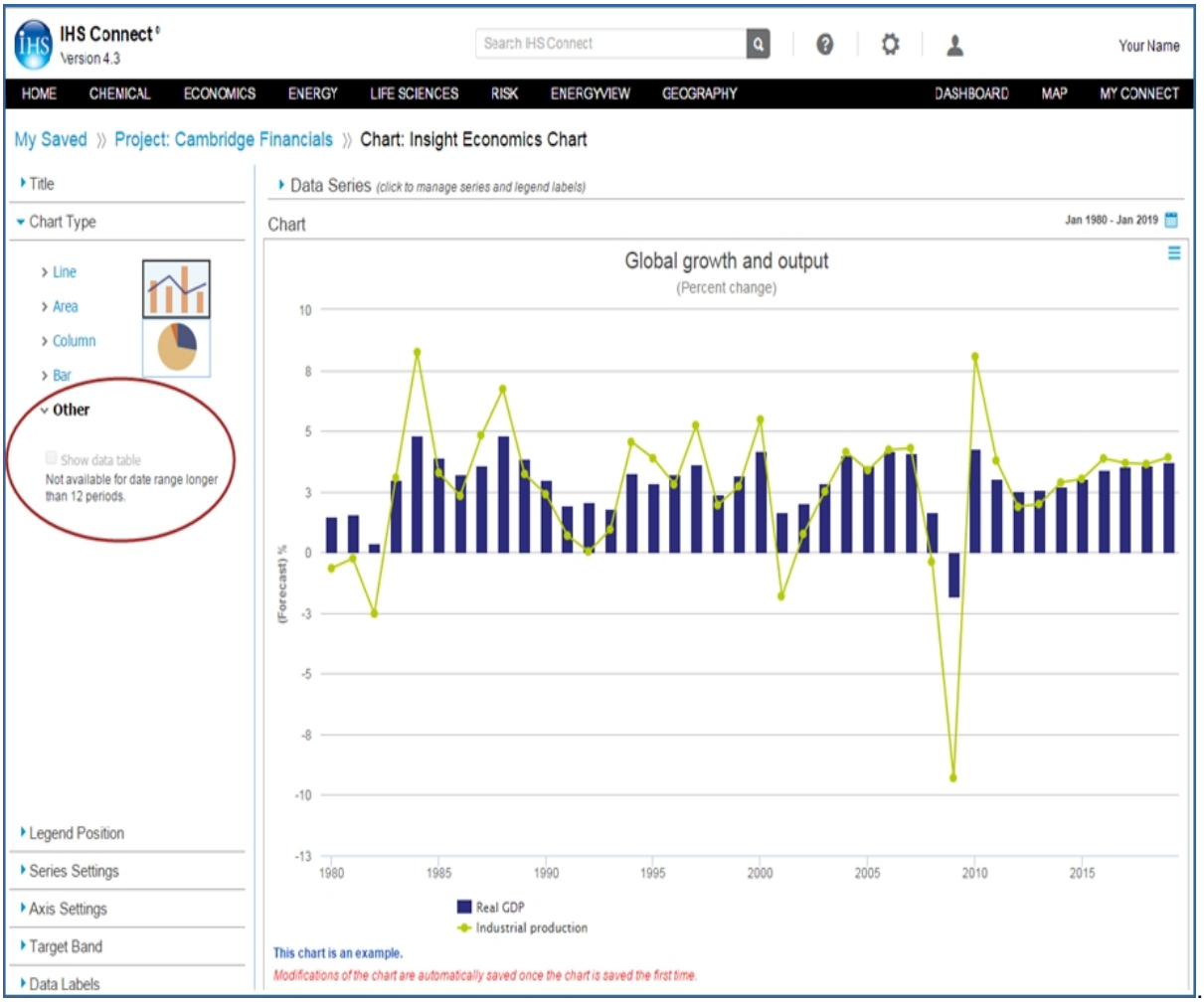


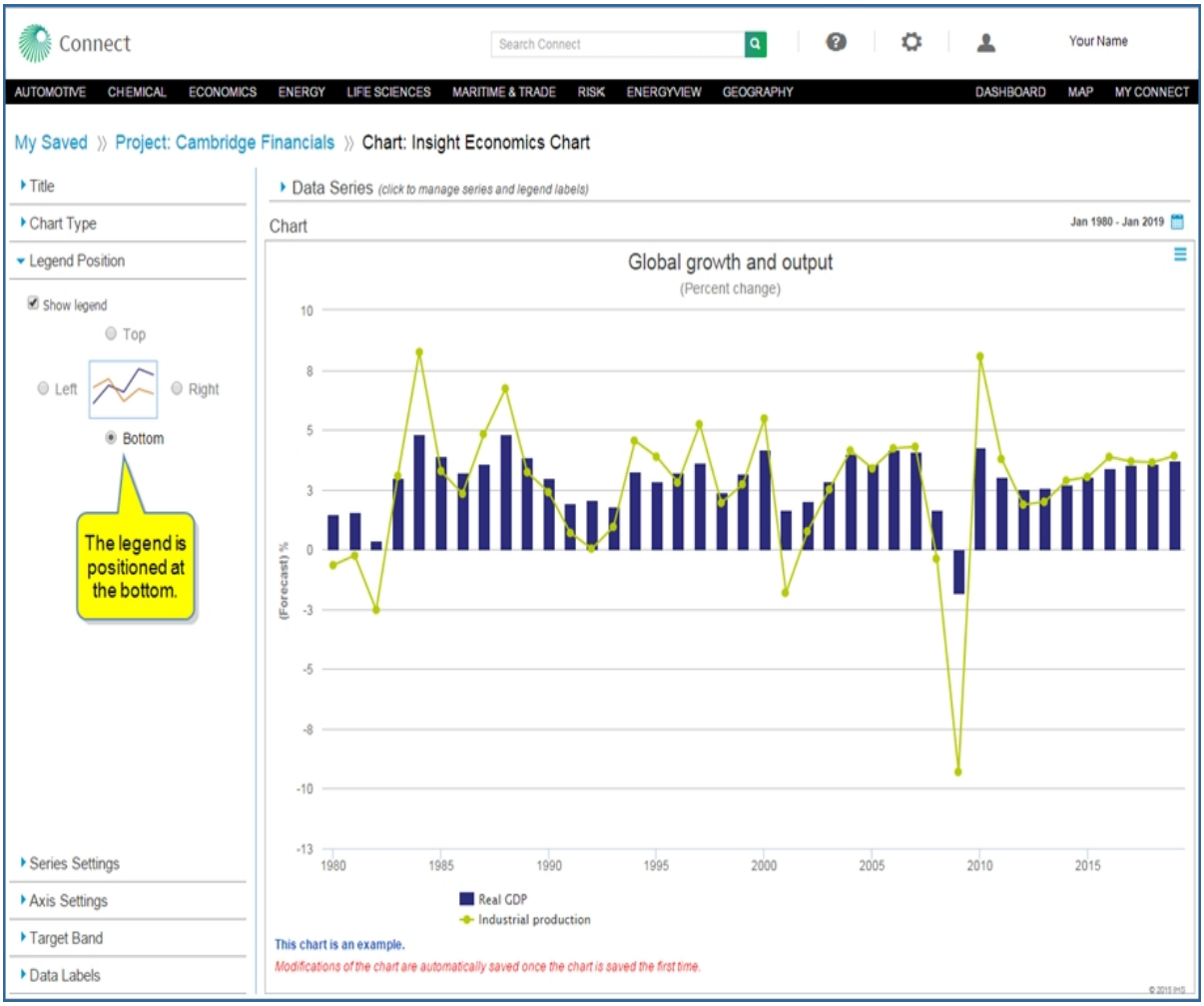
Chart Type

The choices for Chart Type are line, area, column, bar, and other. In this example, we will use Other for the chart because we want to keep the display as it came from Insight > Economics. (Data tables can be displayed below the chart, only if the date range contains less than 12 periods.)



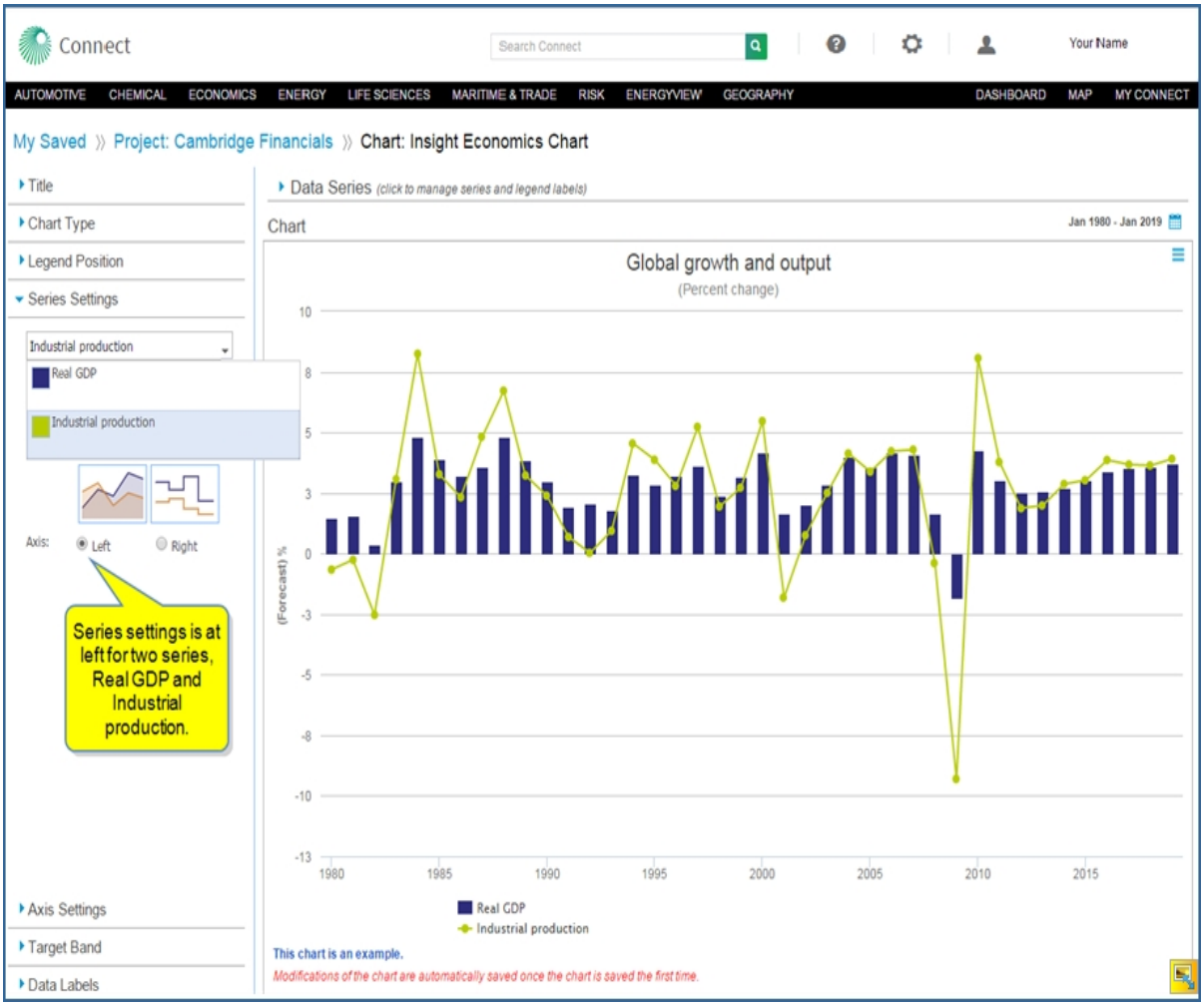
Legend Position

You can choose to show or not show a legend, and you can select the position—Left, Top, Right, or Bottom. In this example, we will put the legend on the right.



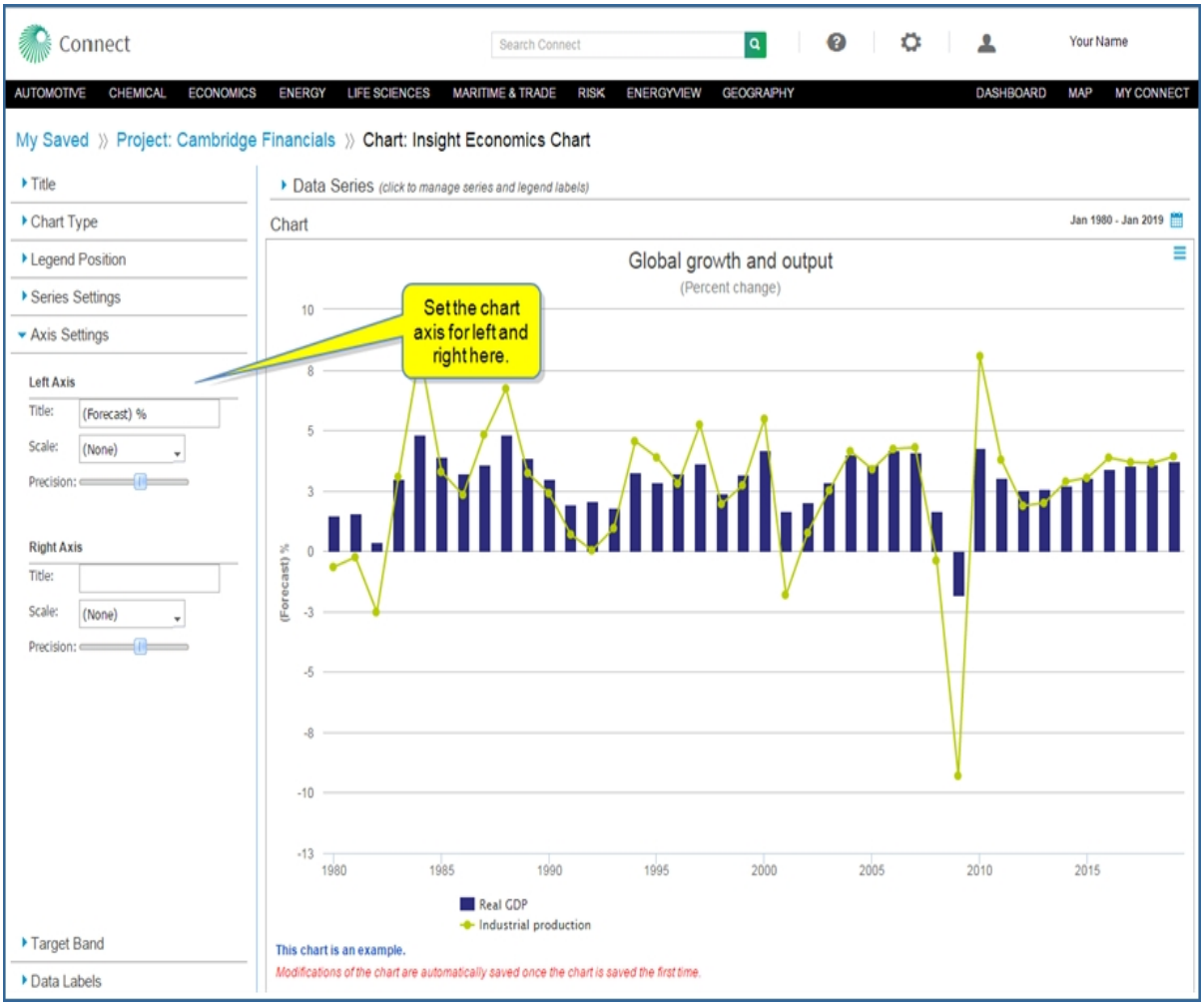
Series Settings

The series settings allow you to choose color, type, and axis line for each individual series displayed on the chart.



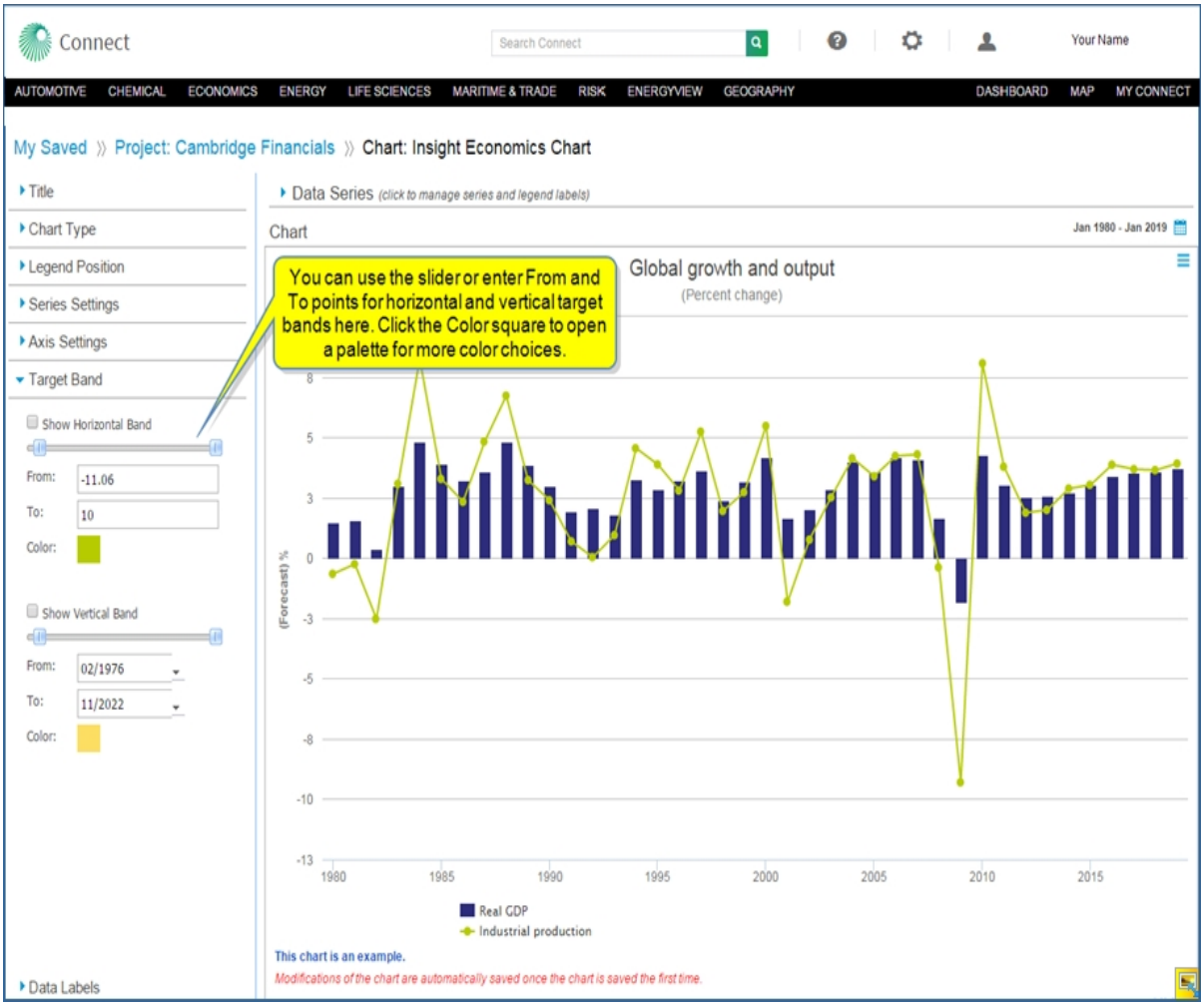
Axis Settings

With the axis settings, you can change the titles of the left and right axis, the scale(or have none), and set the precision.



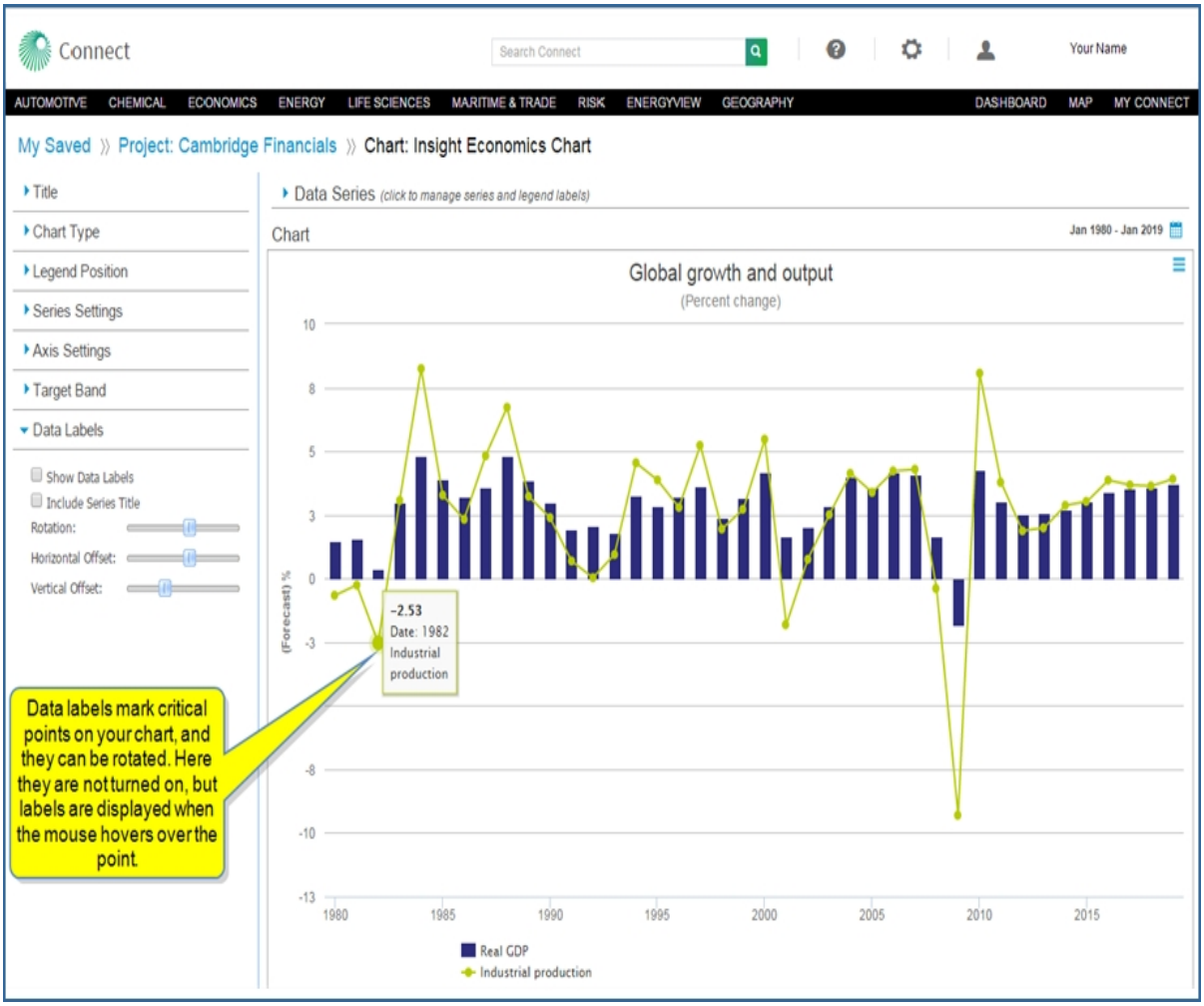
Target Band

You can put horizontal or vertical bands in your chart. You control the width of the target band by using the cursor or by typing in values in the "From" and "To" fields.

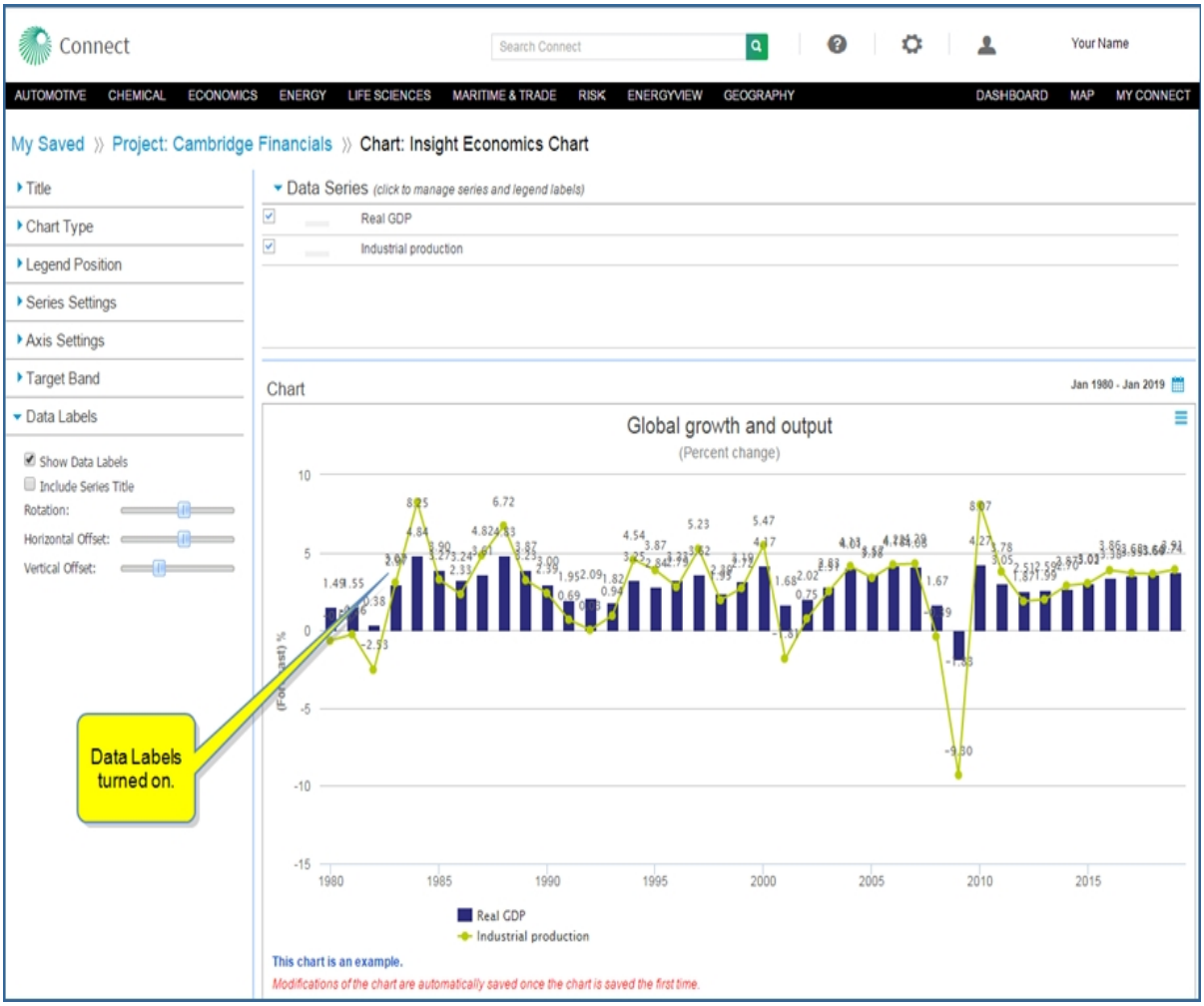


Data Labels

Data labels allow you to label critical points on the chart, rotate and position them.

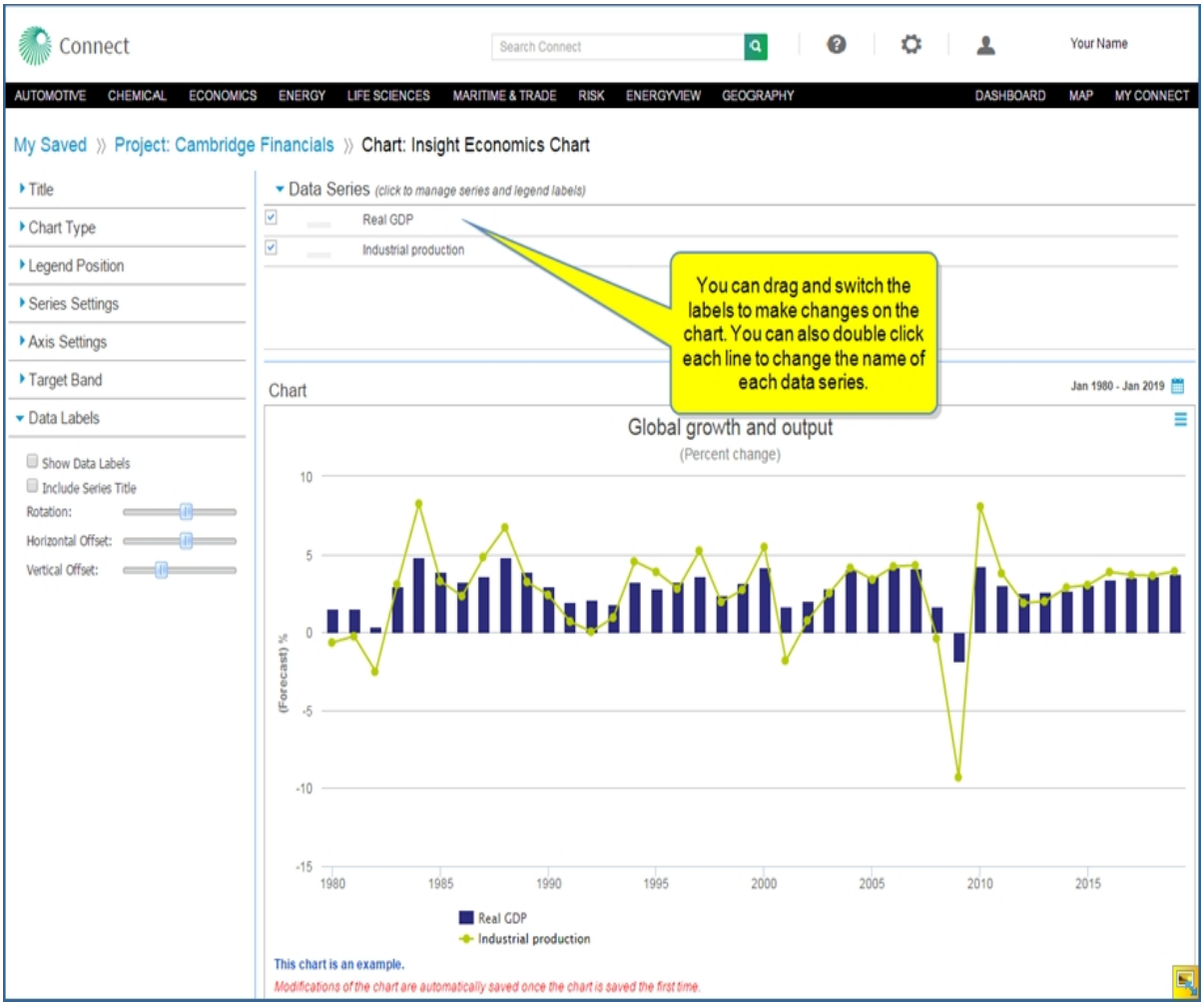


In the following example, Data Labels are turned on.



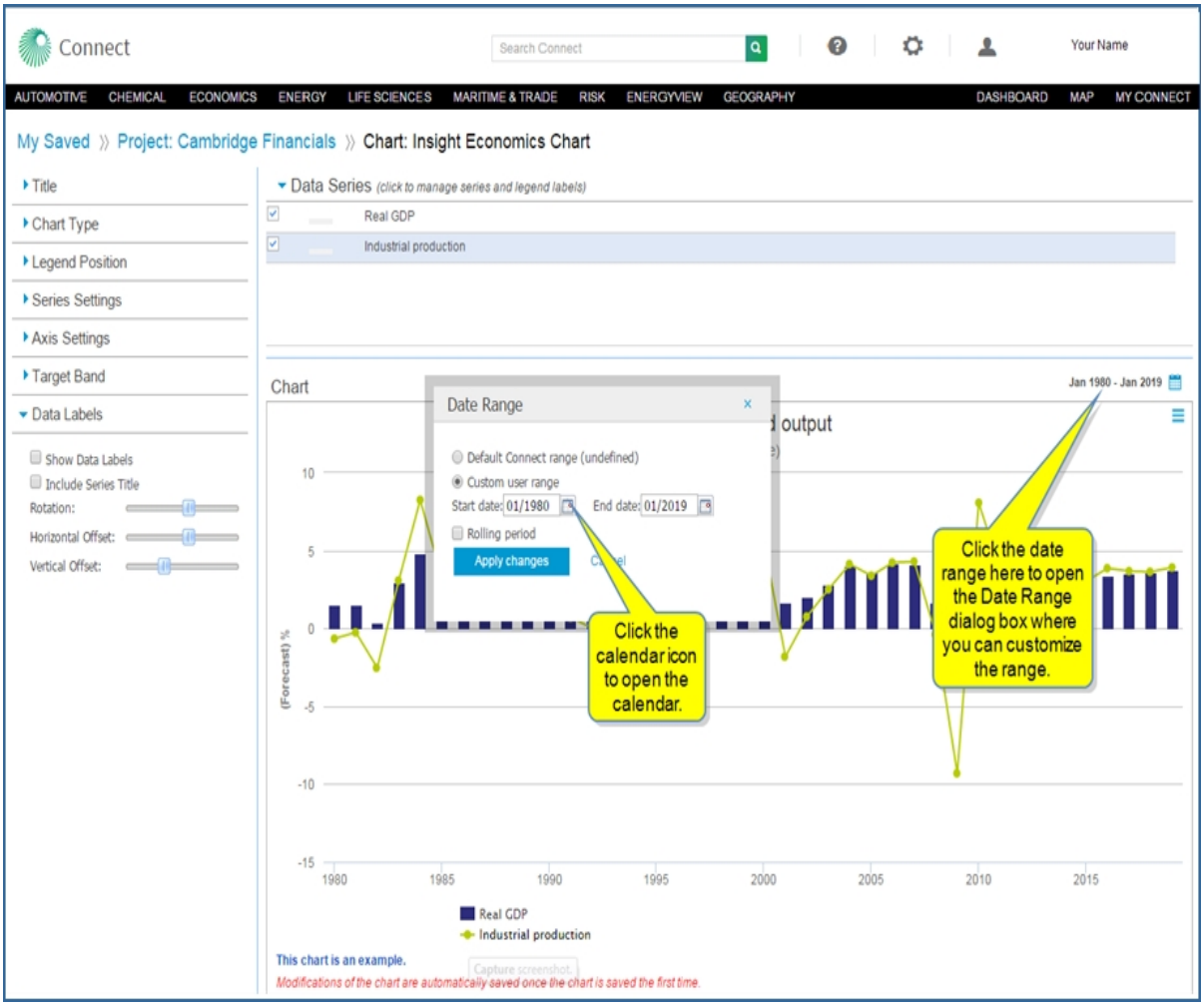
Data Series—manage series and legend labels

Opening the Data Series section displays a legend list of your series. You can check the series to display it on the chart or uncheck the series to hide it. You can use the icons to the right when you highlight a data series to rename it or remove it entirely. You can also rename individual series by double-clicking them.



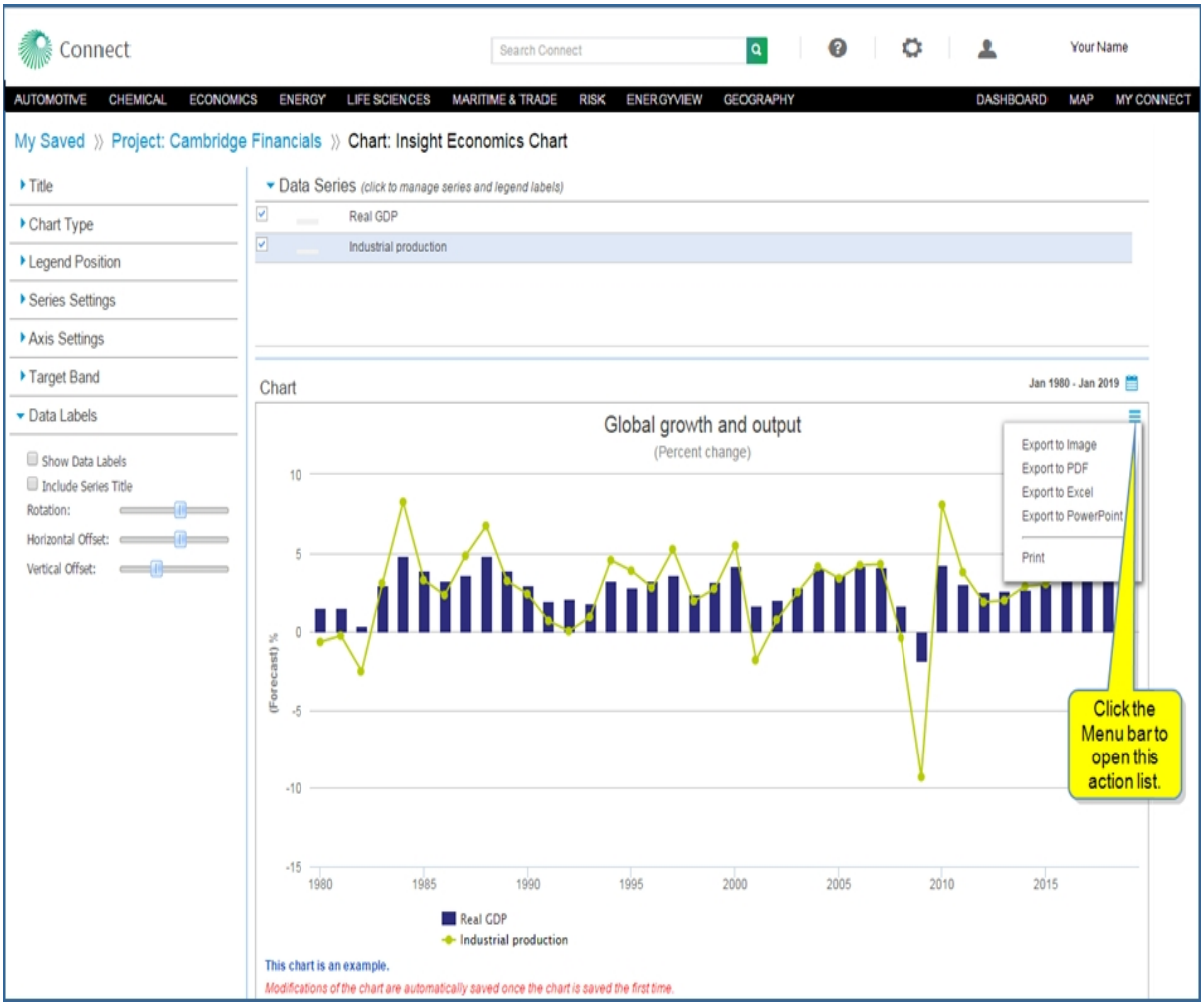
Date Range

The date range allows you to use the Connect default of today +/- 5 years or set a custom user range. You can also set up a rolling period. Click the calendar icon in the Date Range box to open a calendar.



Action Menu

Click the Menu bar icon to open the action list. You can export or print your chart.

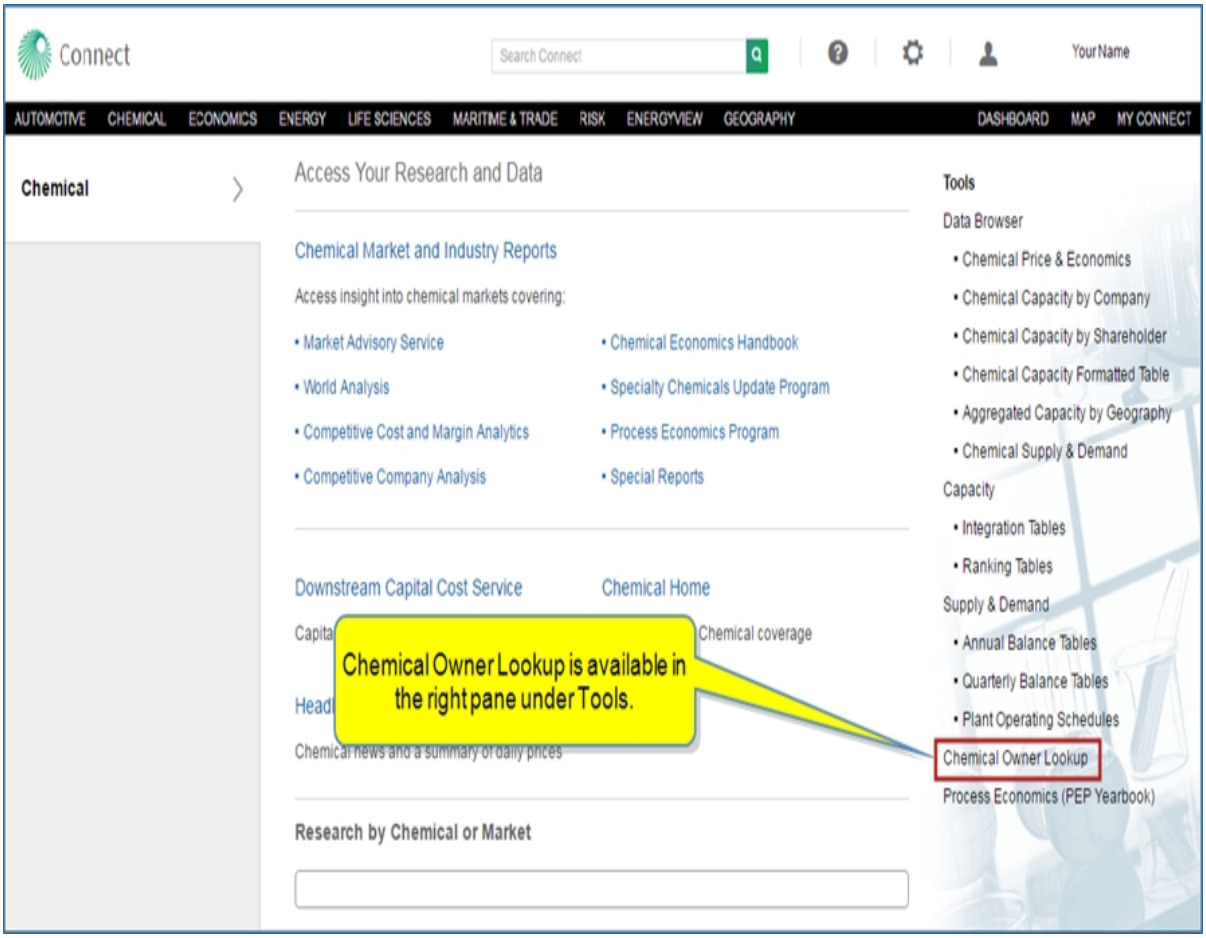


Chemical Owner Lookup

Chemical Owner Lookup

When you do a Company Search on the Chemical Owner Lookup page, the results list shareholders and subsidiaries for a company with percentages and charts to illustrate ownership.

When you open the Chemical page, the Chemical Owner Lookup tool is located in the right pane under Tools.



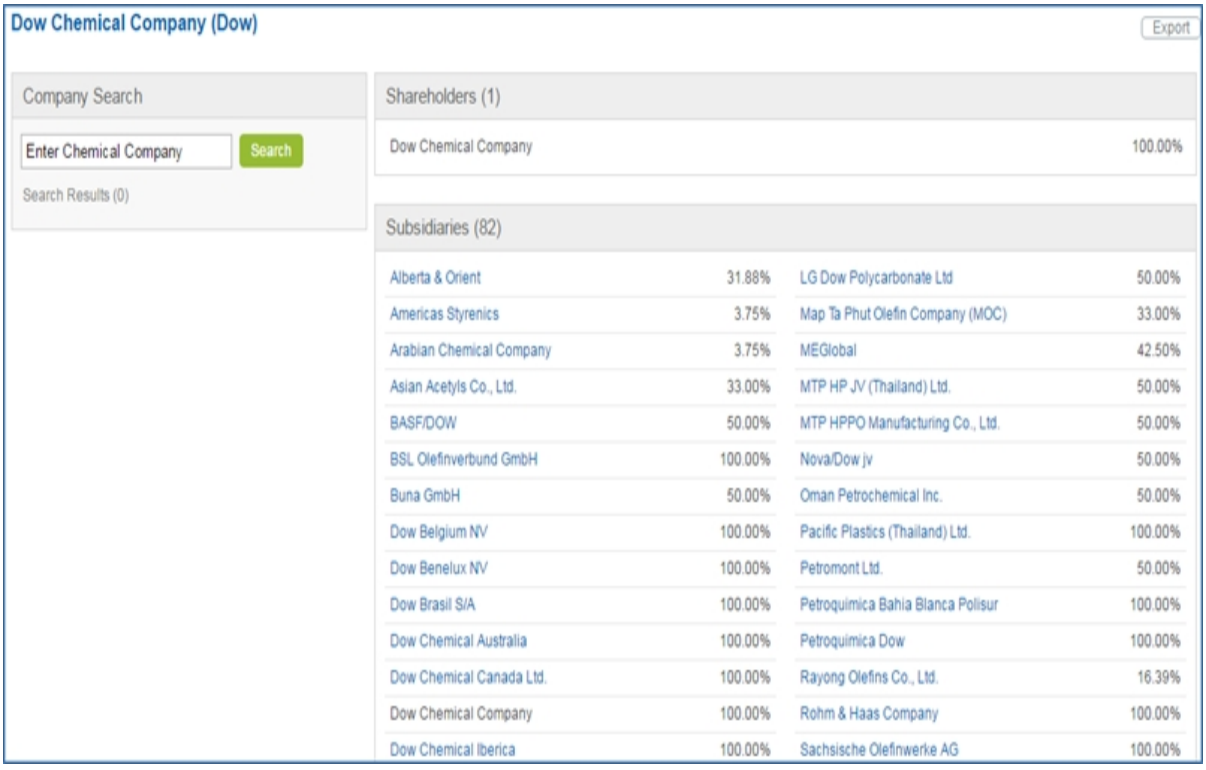
The following note appears on the Chemical Owner Look pages:

"Note: Ownership includes associations from 1990 through the forecast period and does not reflect current status only. The full hierarchy of ownership is shown as a flat list. Non-manufacturing entities (e.g. Holding companies), and subsidiaries and JVs that are producing chemicals not included in our chemical capacity database, such as specialties, pharmaceuticals, etc., are not shown here."

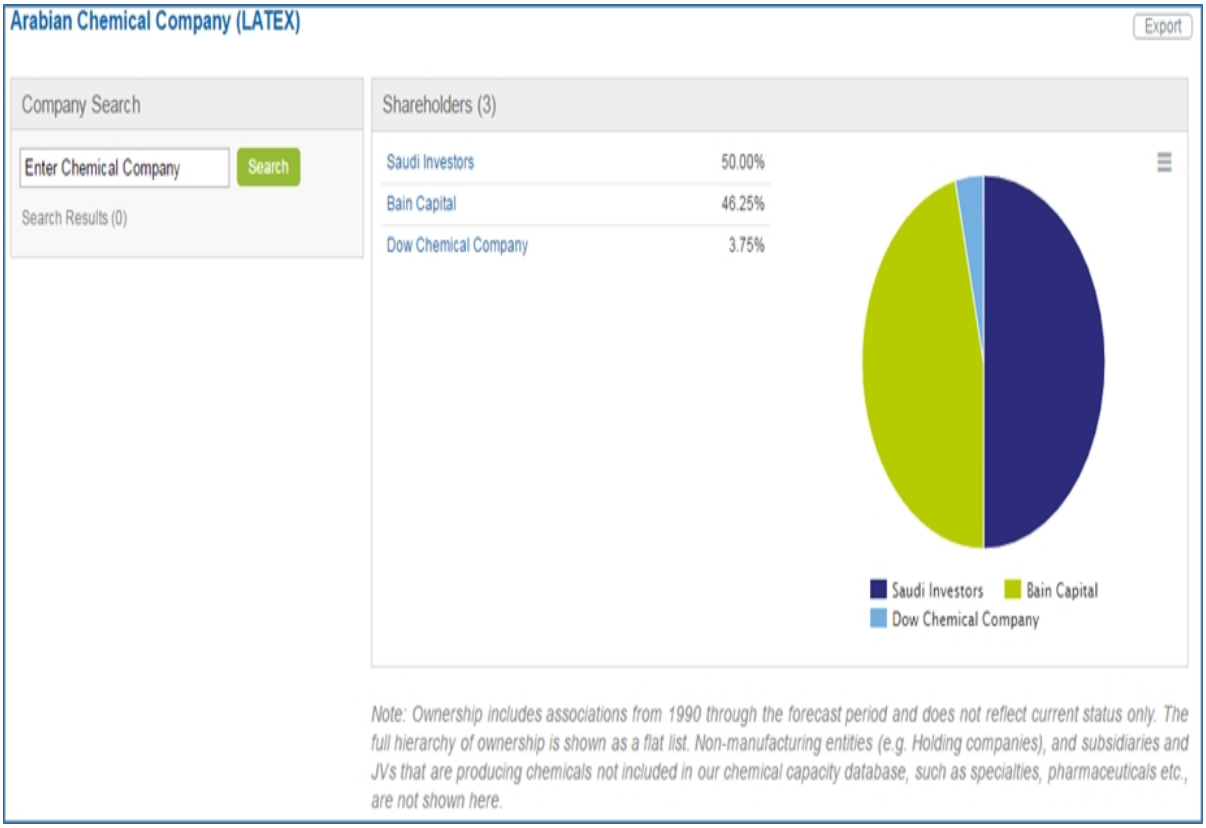
To begin on the Chemical Owner Lookup page, enter a Chemical Company in the **Search** field. When you click in the field, a list of your previous searches is displayed.

As you type, the list filters to match your entry.

Select from the list, or enter a different name. A list of Shareholders and Subsidiaries is displayed.

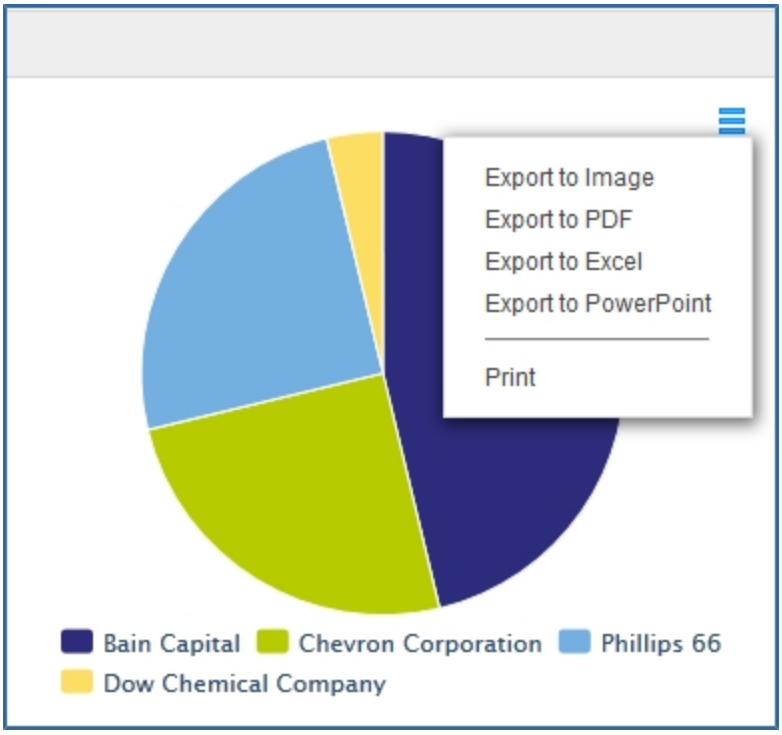


When you click a linked Subsidiary, the Shareholder breakdown is displayed with a chart.



The process continues as you click another Shareholder link. The Shareholders are displayed and illustrated with a chart.

When you click the Menu Bar , the export and print options are displayed. When you hover over an option, the link is displayed.



Company Coverage

Company Coverage

Company Coverage

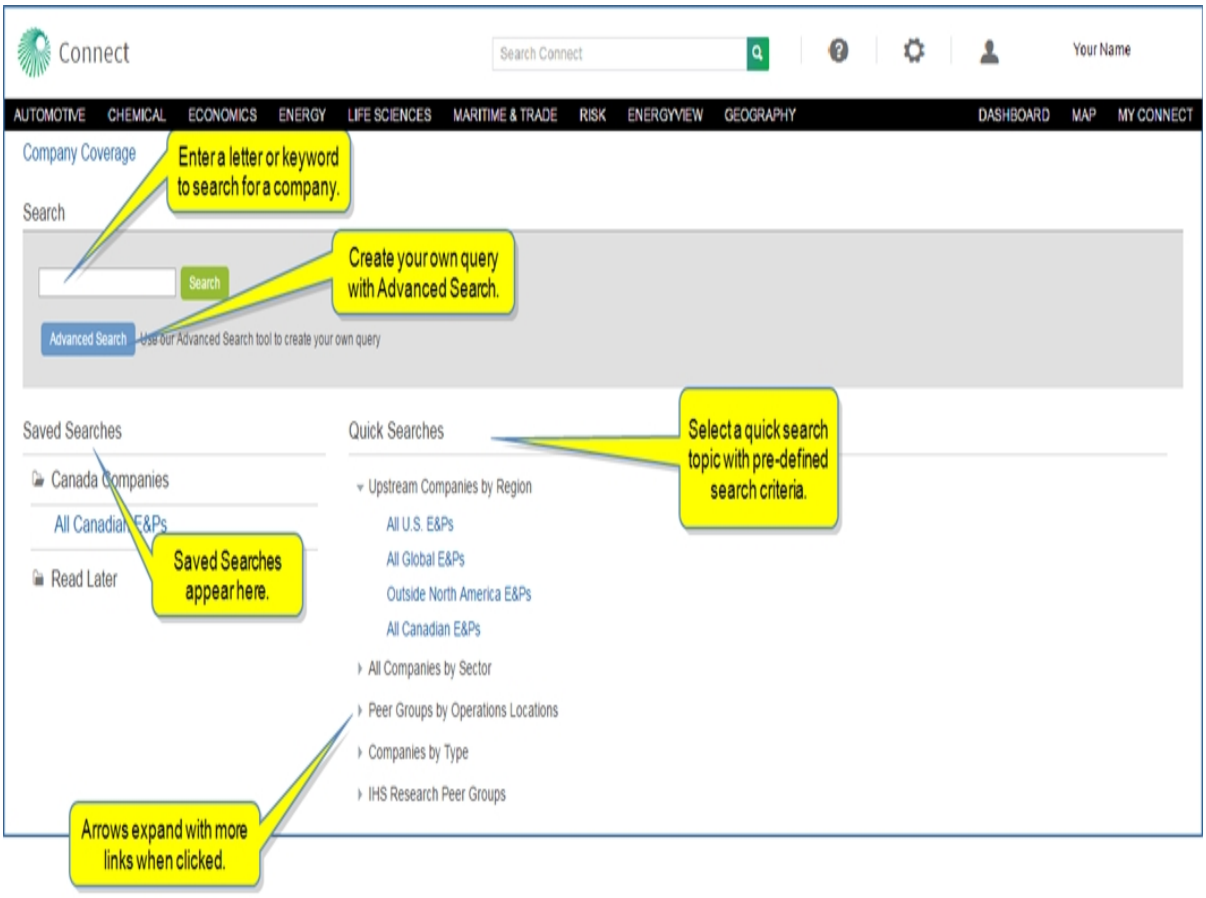
Several megamenus contain a field for Research a Company. When you enter a company or select one from the drop down as you begin typing, Connect takes you to the Company Profile. From Company Profile you can go to Company Coverage using the **Go to Company Coverage** link. Use these pages to gather information and insight about companies, private and public, involved in transactions and trends in the energy industry.

Company Coverage is a comprehensive resource for over 13,000 energy companies in the public and private domains, supporting multiple workflows including screening, competitor activity, mergers and acquisitions and company analysis. You can open a pre-defined Quick Search provided by IHS Markit, do an advanced search, and save searches for future reference.

Note: When you save a search, it appears on the Company Coverage page, in My Connect, and on the Email Settings page under Alert Settings / Company Search. At the Alert Settings pane, you can set-up a daily or weekly alert regarding any activity on your search.

The sections below provide information about the following:

- Viewing a Quick Search
- Using Search
- Creating an Advanced Search
- Exporting results
- Saving search criteria
- Deleting searches



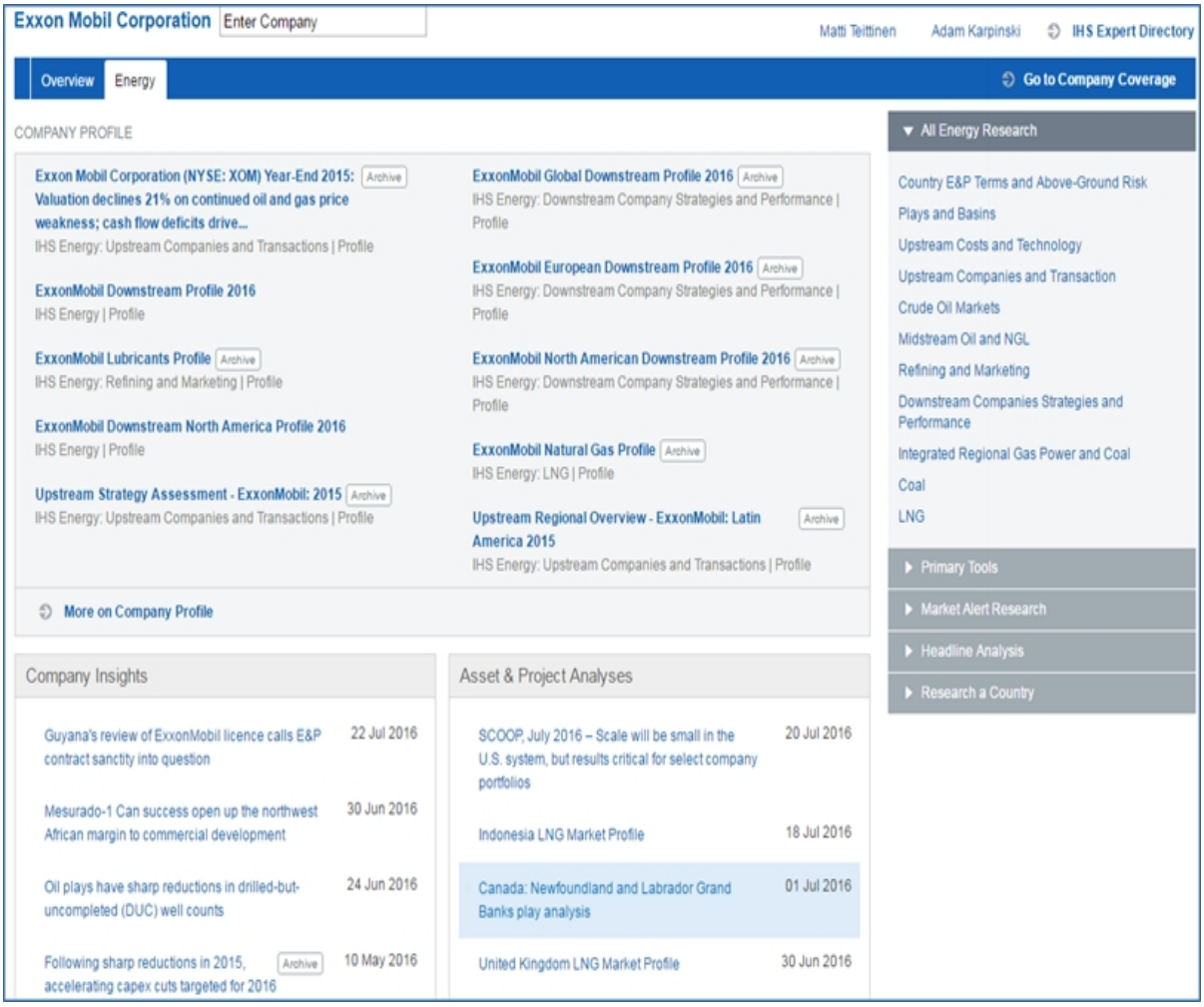
Viewing a Quick Search

Quick Search links display details of company groups related to the title of the search. The titles of the searches are organized into categories—for example,

- Upstream Companies by Region
- All Companies by Sector
- Peer Groups by Operations Locations
- Companies by Type
- IHS Research Peer Groups

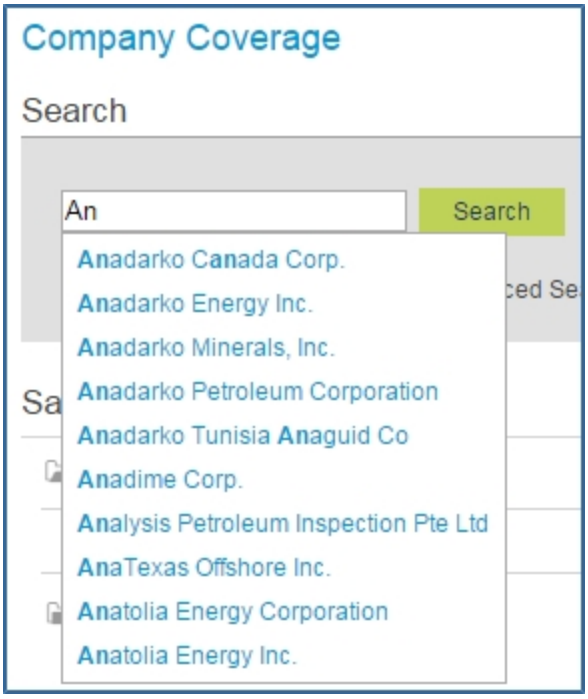
Connect analysts have chosen the search criteria and organized the results in columns for easy viewing and access. The overview lists matching companies in alphabetical order with some details about peer type, size, industry, and region. When you view search results, you can change the search criteria by clicking **Refine Criteria** in the breadcrumbs trail.

When you want to view more details on a specific company, click one of the company name links (in blue) on the results page. The company profile is displayed. See Company Profile.



Using Search

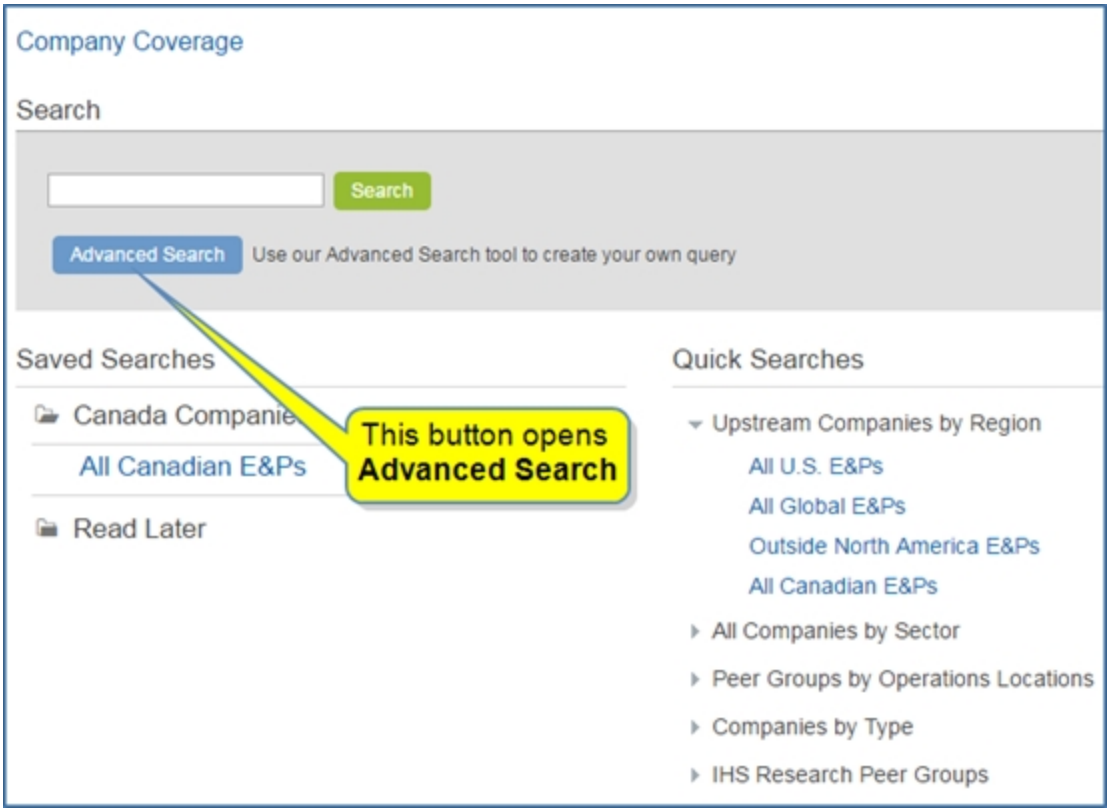
To search for a project using a keyword or the name of the project, start typing the keyword into the Search field. Select a company from the suggested list or complete typing the company name.



Click Search to view search results.

Creating an Advanced Search

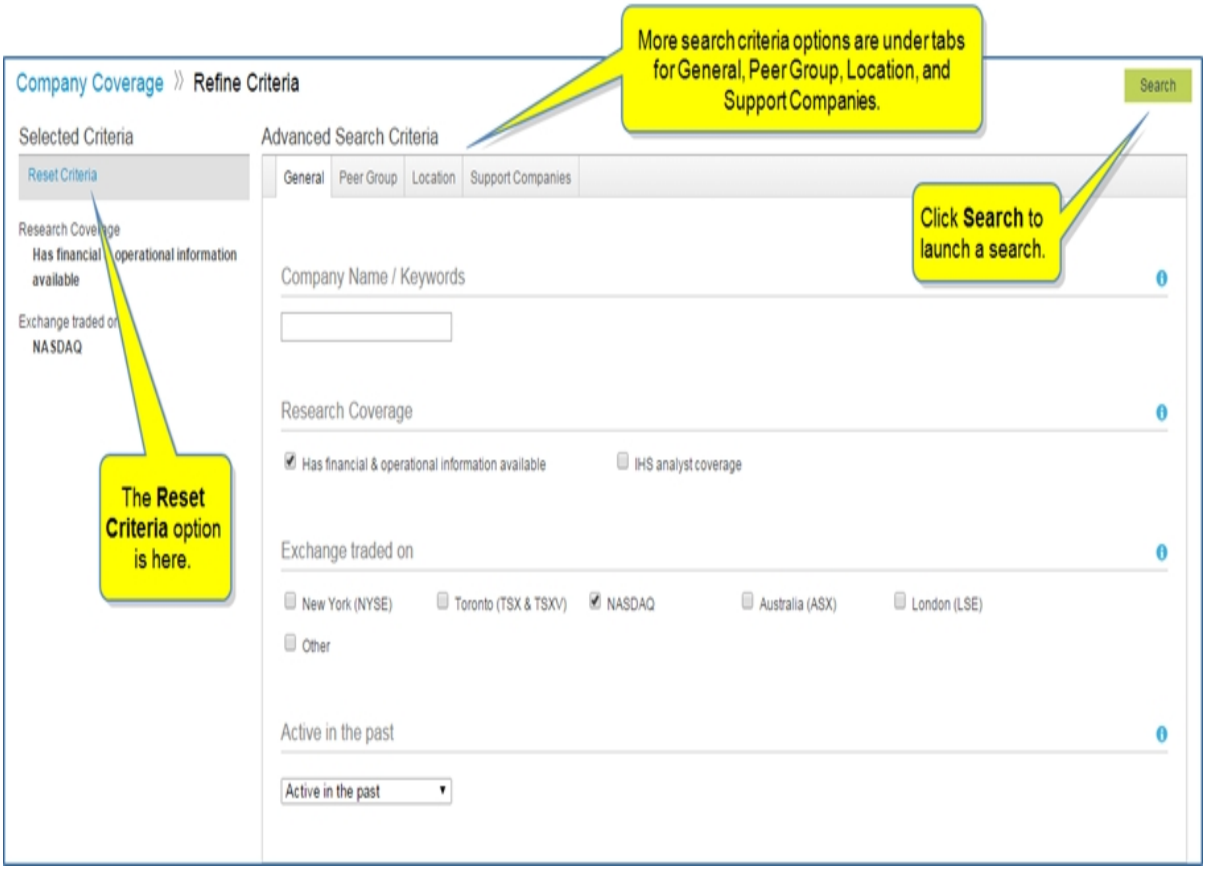
To launch a search with your own search criteria, click the Advanced Search button.



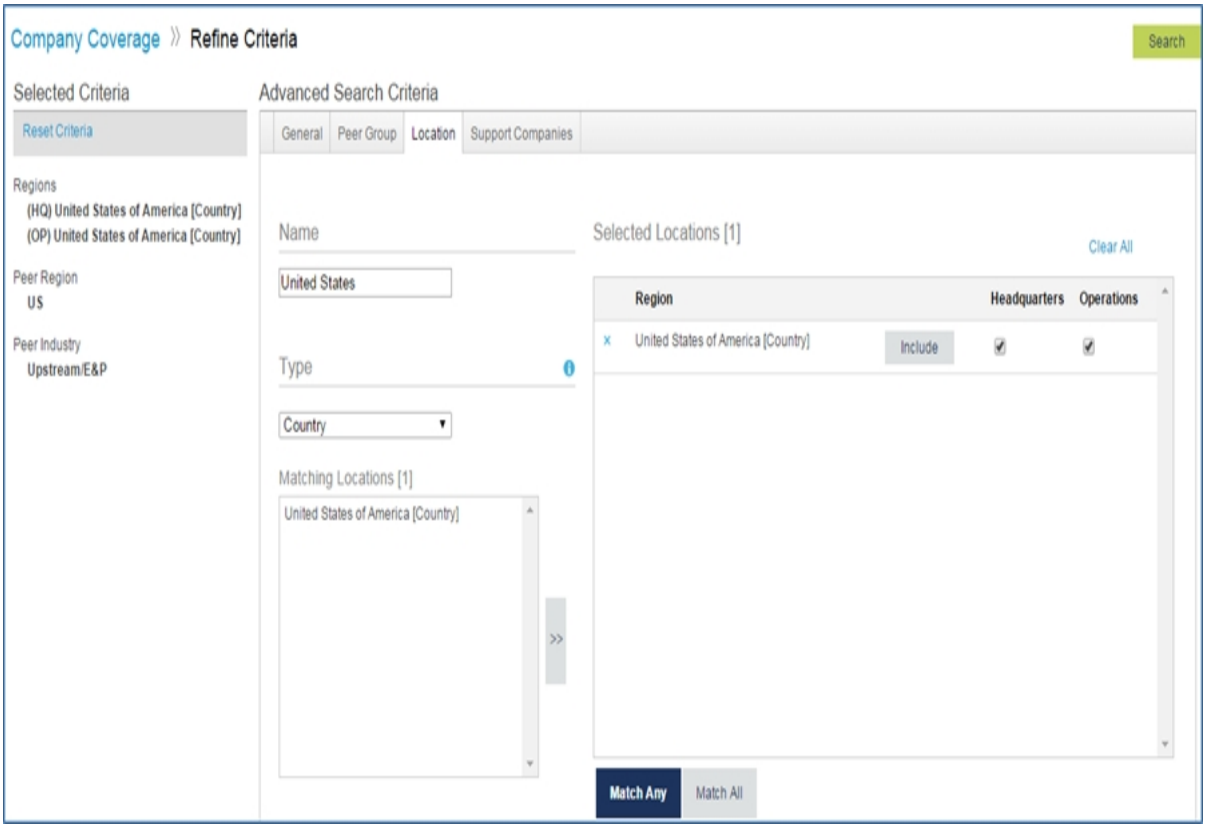
The Refine Criteria page shows you the Selected Criteria and the following tabs:

- General
- Peer Group
- Location
- Support Companies

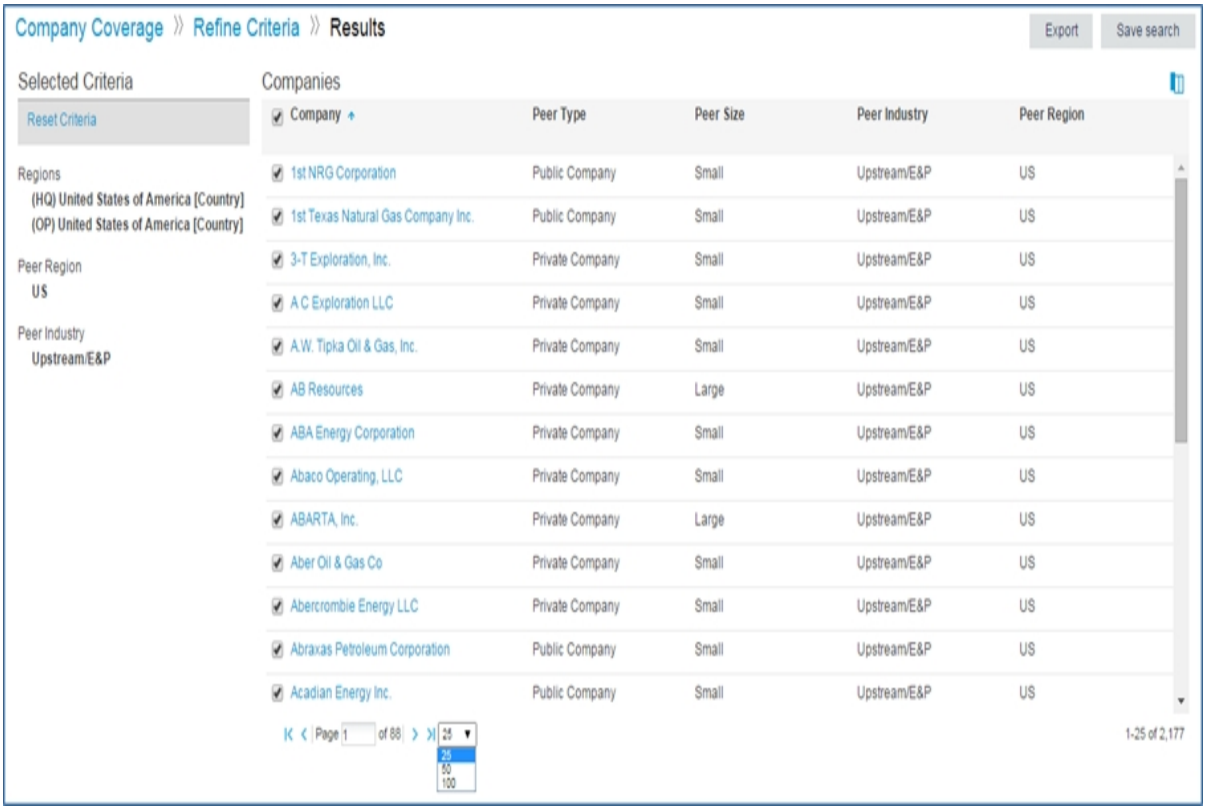
Use the options on these pages to include the criteria you want to see in search results. You can include as many or as few criteria as you prefer. You can clear all selections at any time.



In the following example, we've reset the criteria, selected Peer Region "US" and Peer Industry "Upstream/E&P" on the Peer Group tab, and we have entered the location name "United States" and selected the type criteria "Country" on the Location tab.

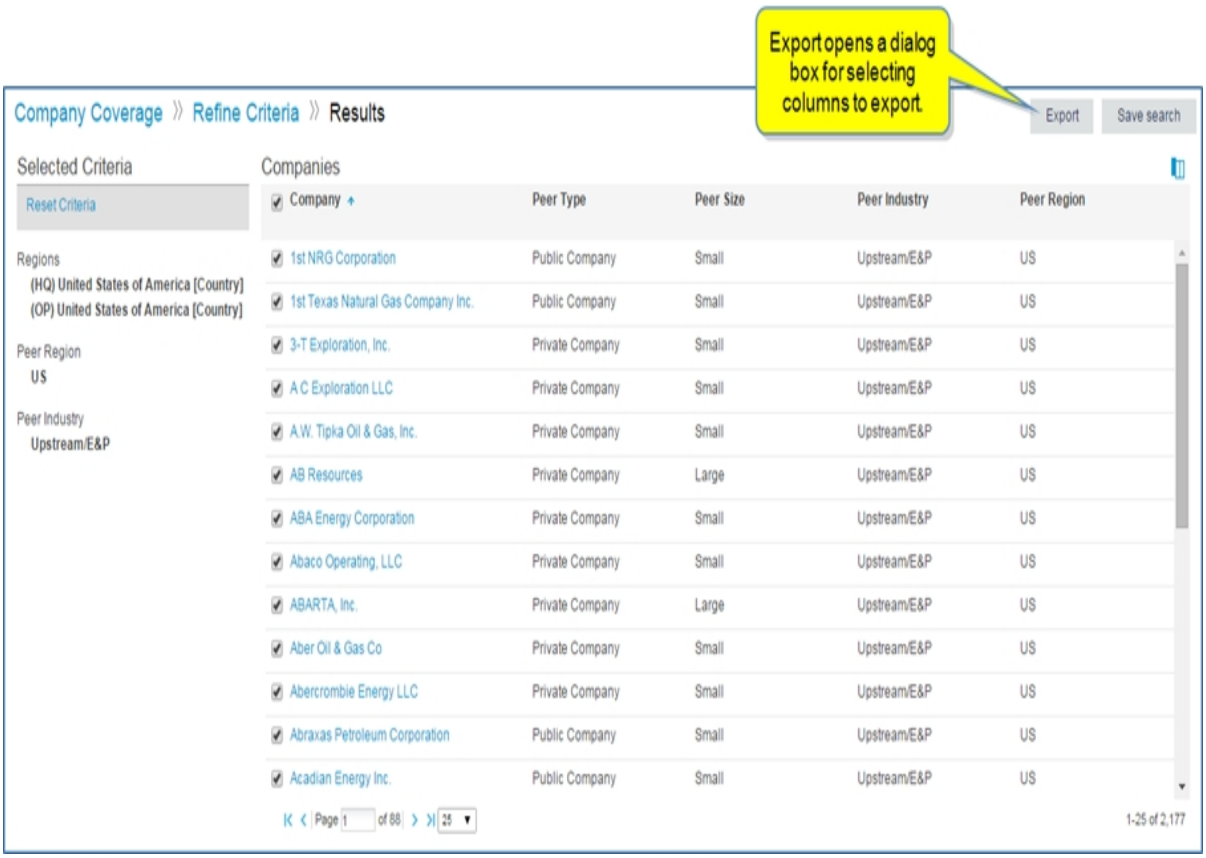


The search results show the new Selected Criteria. You can choose to view 25, 50, or 100 results per page or further refine your criteria.



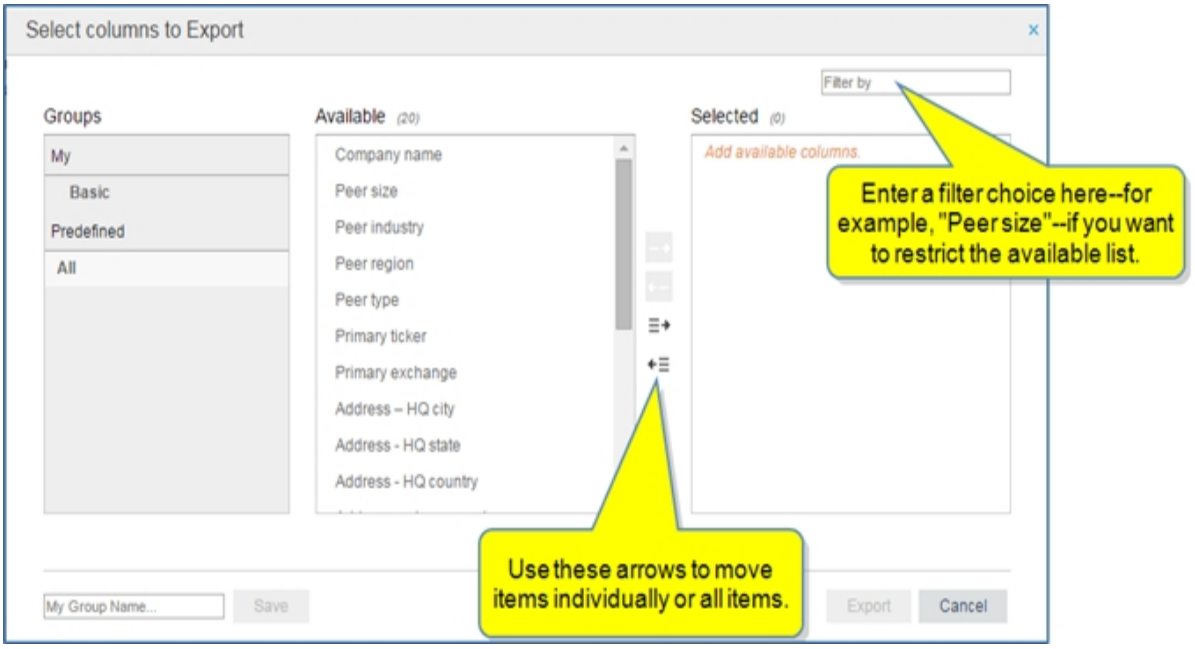
Exporting results

You may want to export results from a Quick Search or an Advanced Search. Select **Export** in the upper right corner.



The ***Select columns to Export*** dialog box opens. This dialog allows you to create a custom excel export.

Here you can customize the columns for your export by selecting a Predefined Group (All is an option), and moving Available attributes to the Selected box by clicking the right ( ) or move all ( ) icons. Arrange attributes (columns) into a custom export order by dragging and dropping into position. Then click **Export**.

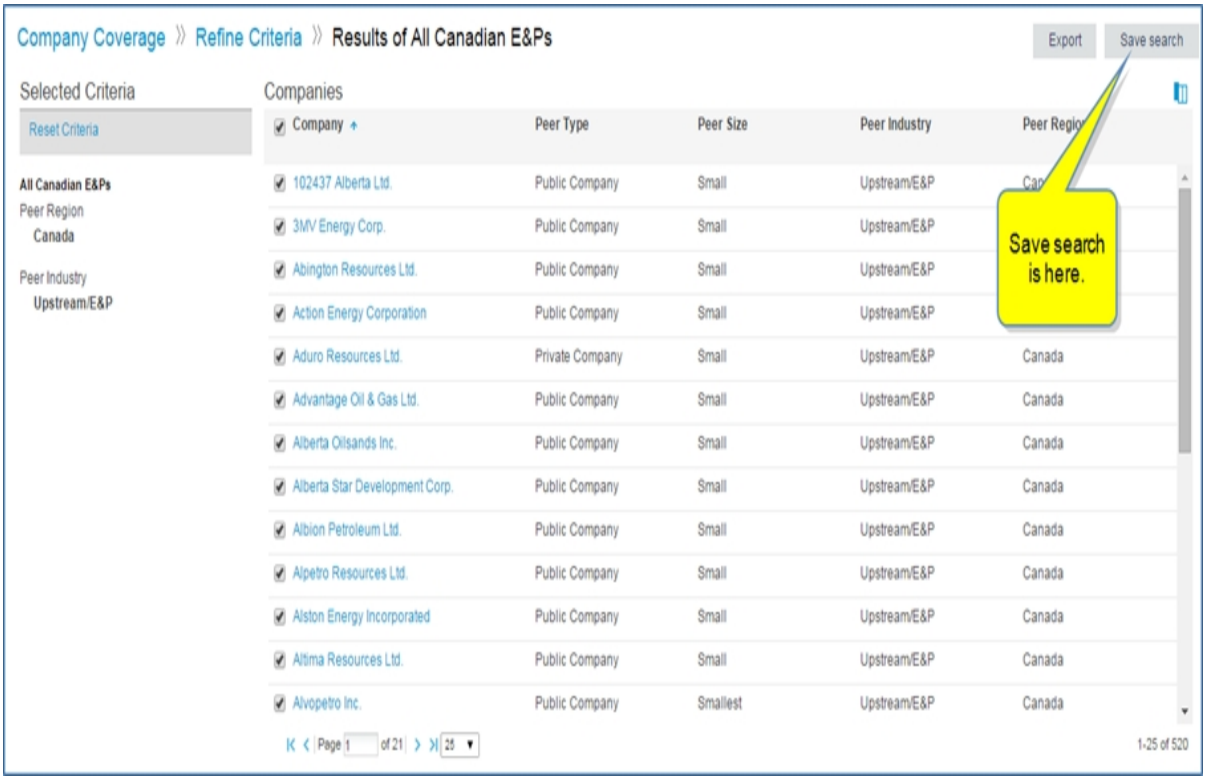


Note: To save your custom order of selected attributes, create a My group by entering a name into the **My Group Name...** input box and clicking **Save**.

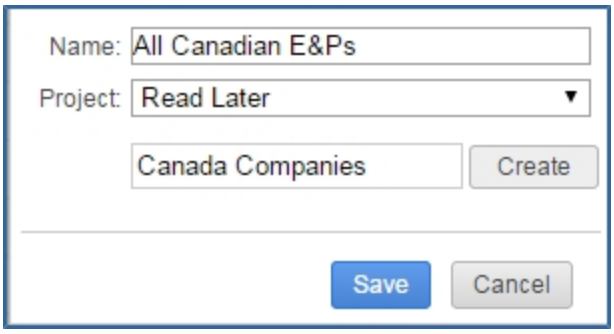
Your saved attribute group will appear under My in the Groups column until you delete it. To delete, click the X to the left of the My group name.

Saving search criteria

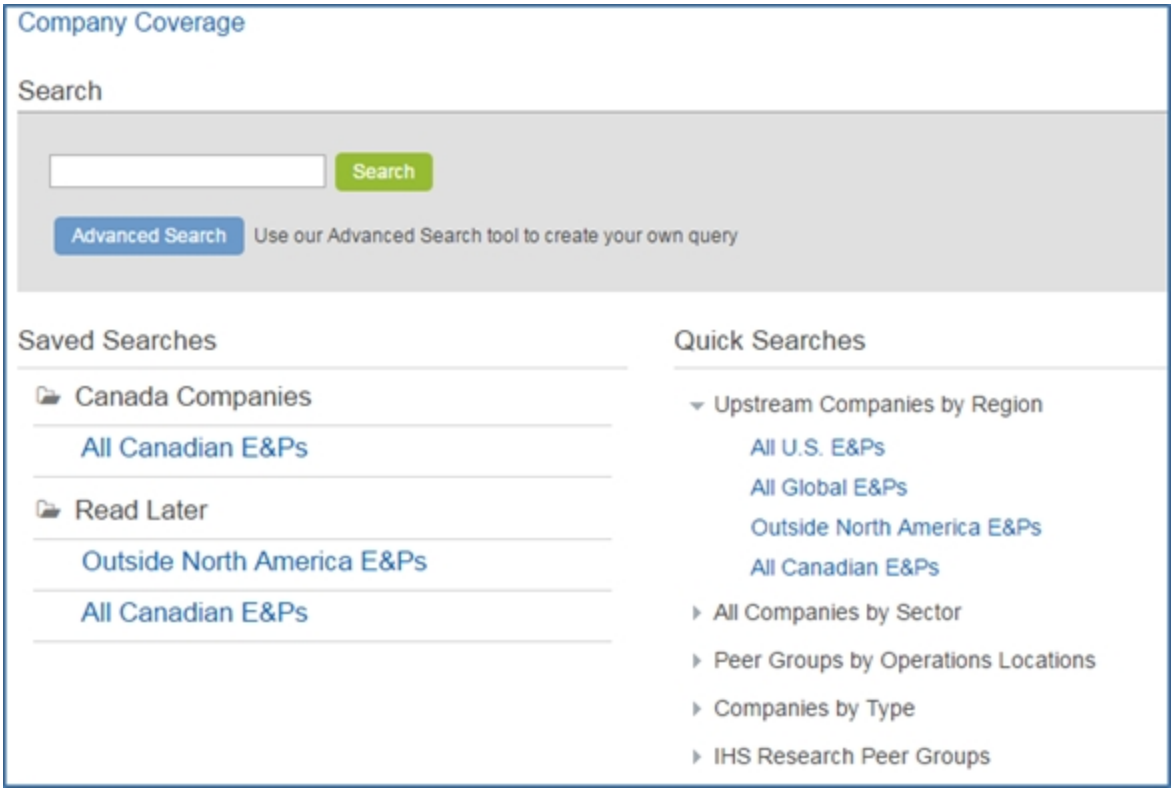
You may want to save a Quick Search or an Advanced Search. Select **Save search** in the upper right corner.



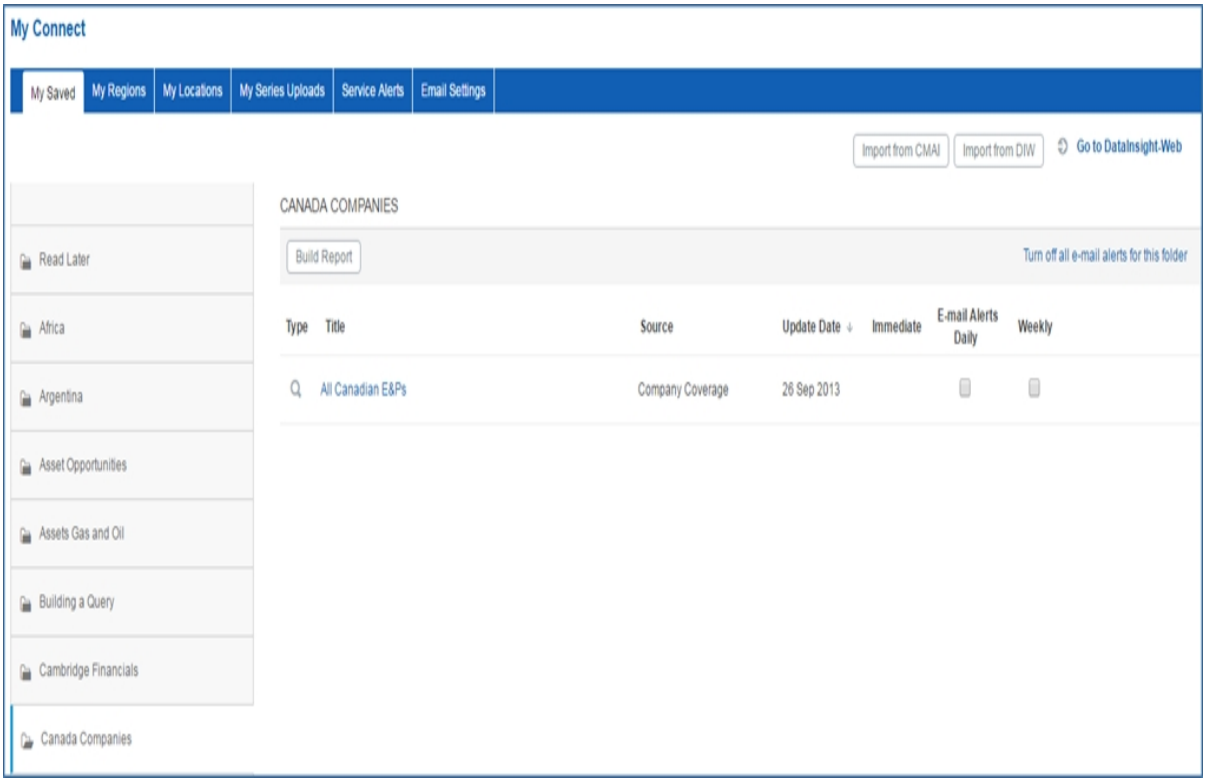
The save dialog box opens. We'll name the search "All Canadian E&Ps," and save it in a new folder. Enter "Canada Companies" in the Create field and click **Create**. (Clicking **Save** rather than **Create** will save the search to the Read Later folder.)



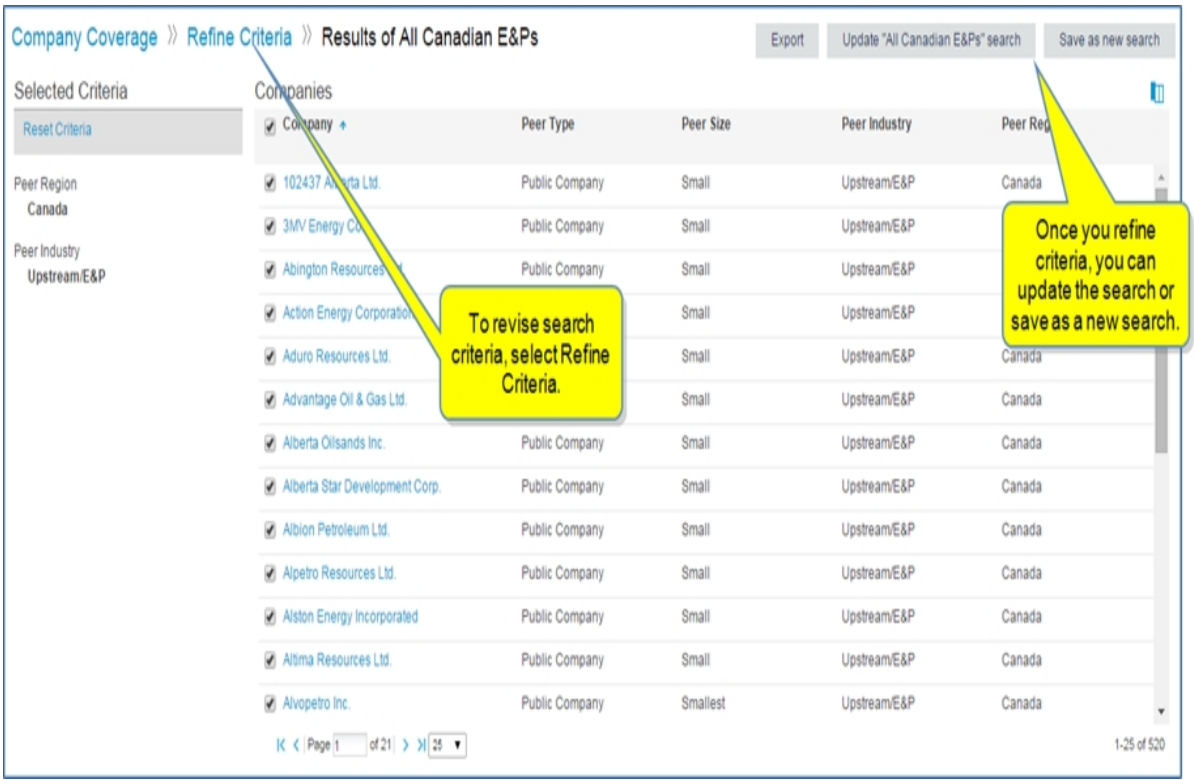
The "Canada Companies" folder containing the "All Canadian E&Ps" search now appears under Saved Searches on the Company Coverage page. (Click the folder to view the search.)



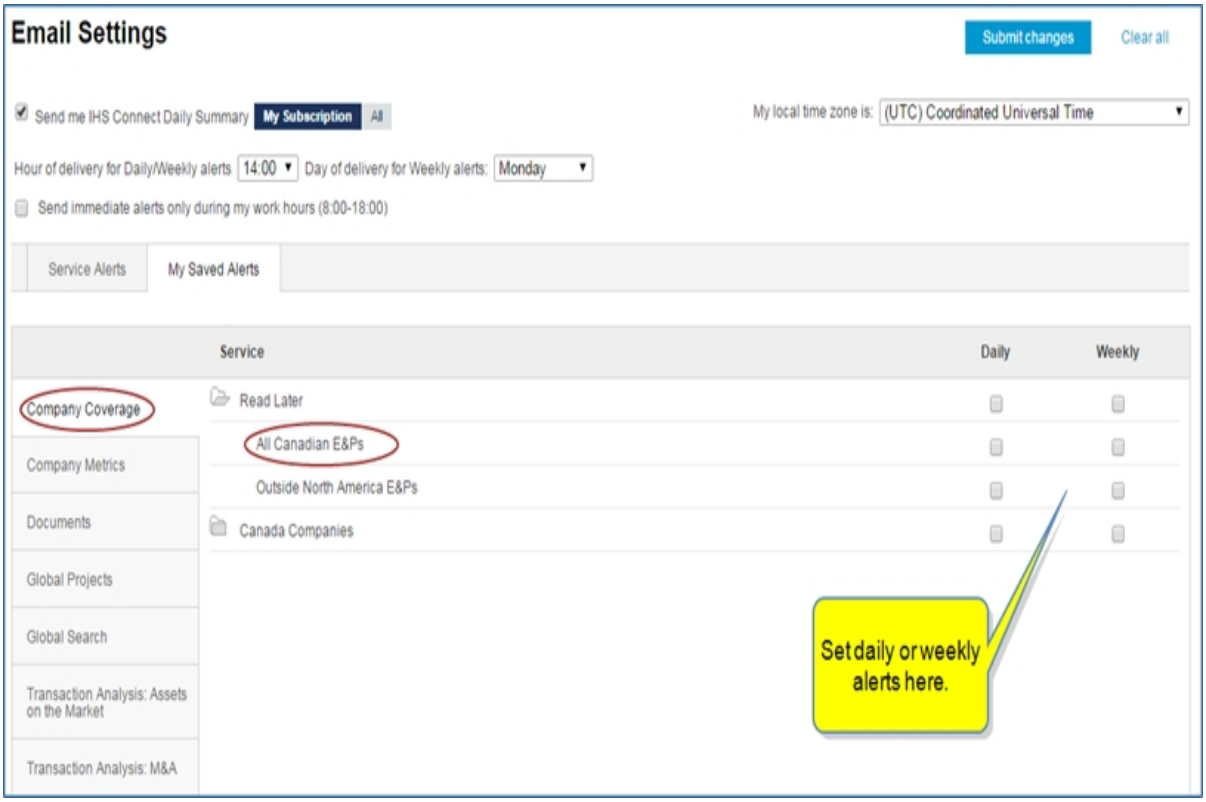
It also appears on My Connect.



If you select the search while in My Connect, the search opens in Company Coverage on the Results page. If you want to revise your search criteria, just select **Refine Criteria** in the breadcrumbs trail. You can update the search when you refine criteria, or you can save the modifications as a new search.



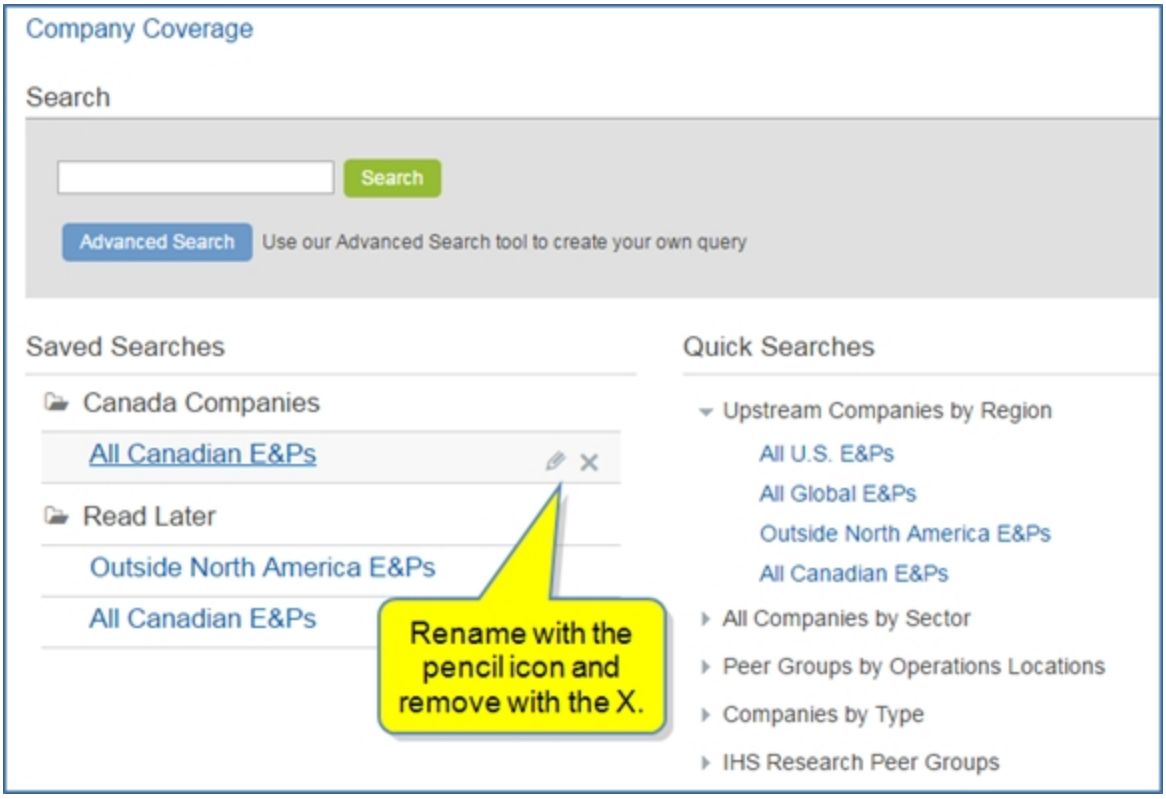
The folder also appears on the Email Settings page where you can set a daily or weekly email alert that keeps you up-to-date on new activity matching your saved criteria.



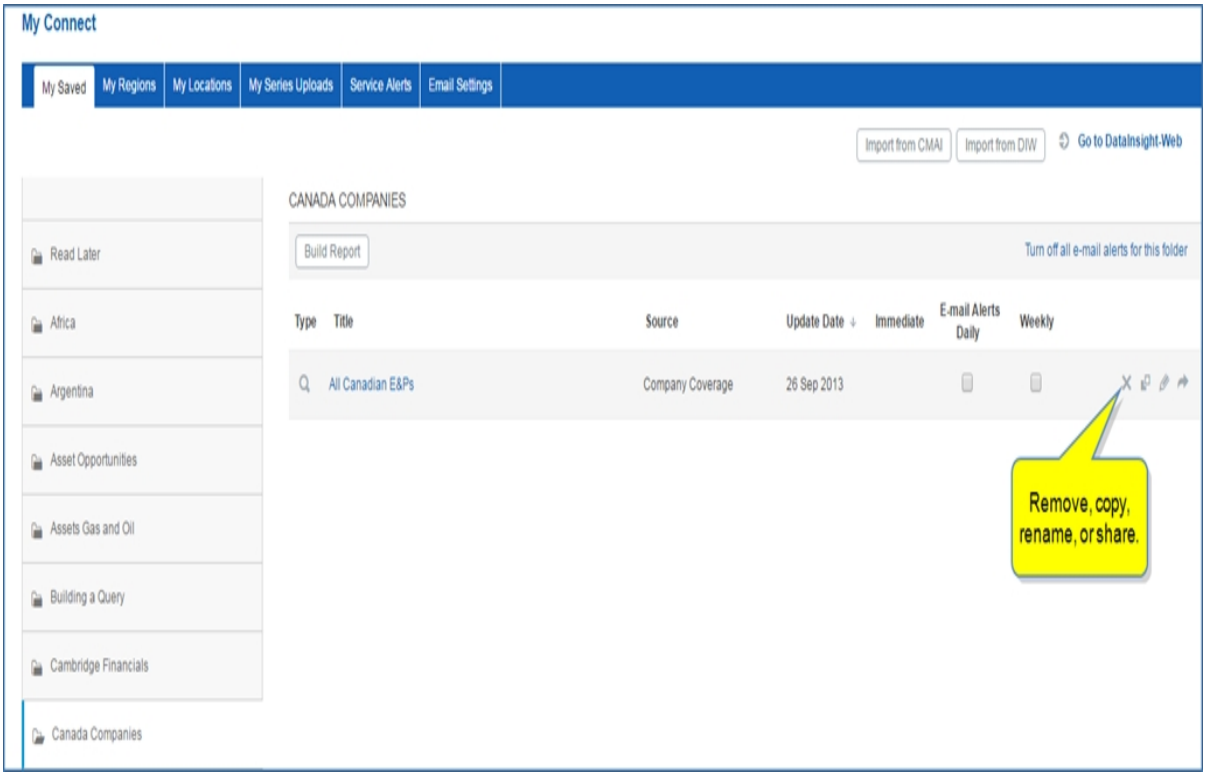
Deleting searches

There are two places where you can delete a Company Coverage search—on the Company Coverage primary page and on My Connect. Deleting a search from either of these locations removes the search from Company Coverage, My Connect, and Email Settings.

To delete a saved search from the Company Coverage page, highlight the search and click the X.



To delete a search from My Connect, highlight the search and click the X.



Note: If you created a new folder for the search, and you want to delete it, highlight the folder in the left pane of My Connect, and then click the **X**.

Company Profile

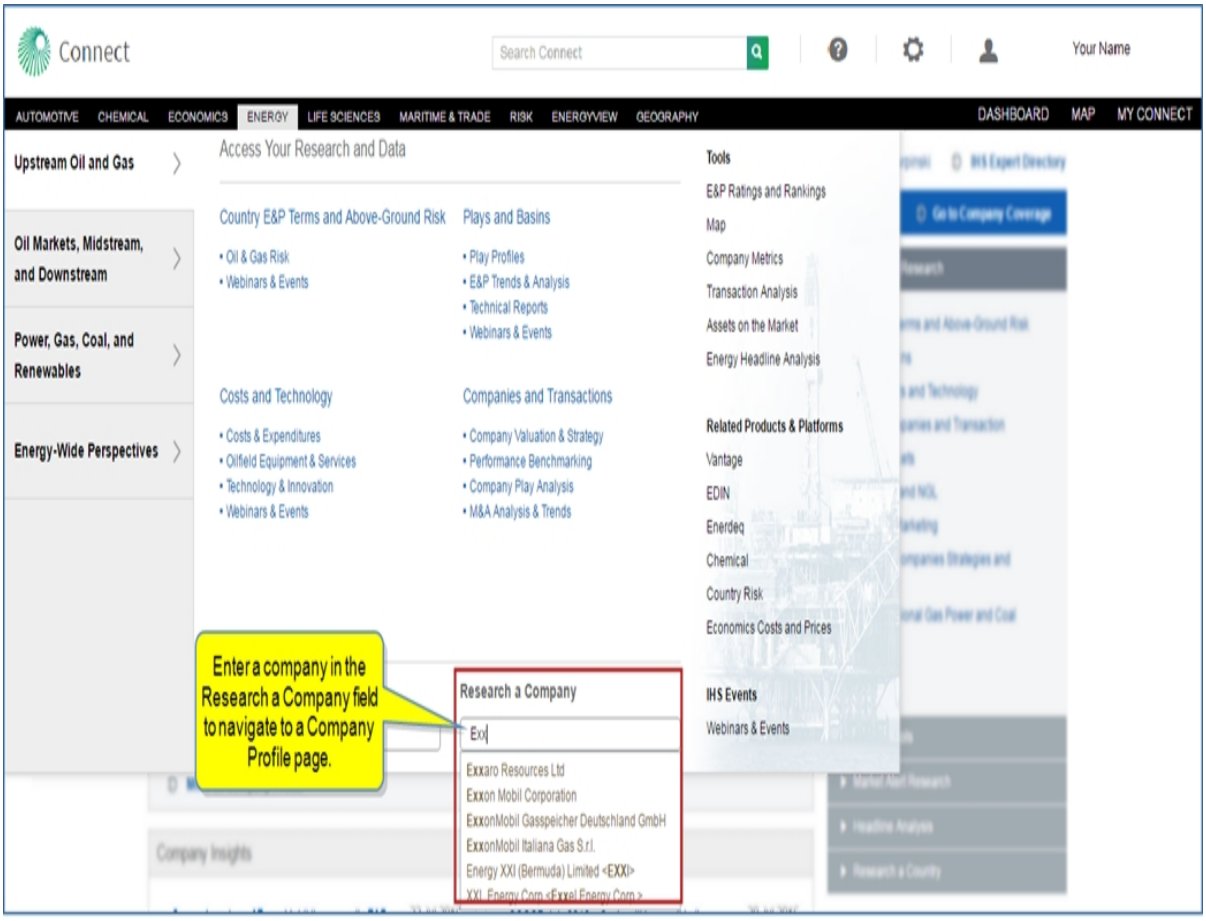
Company Profile

Company Profile

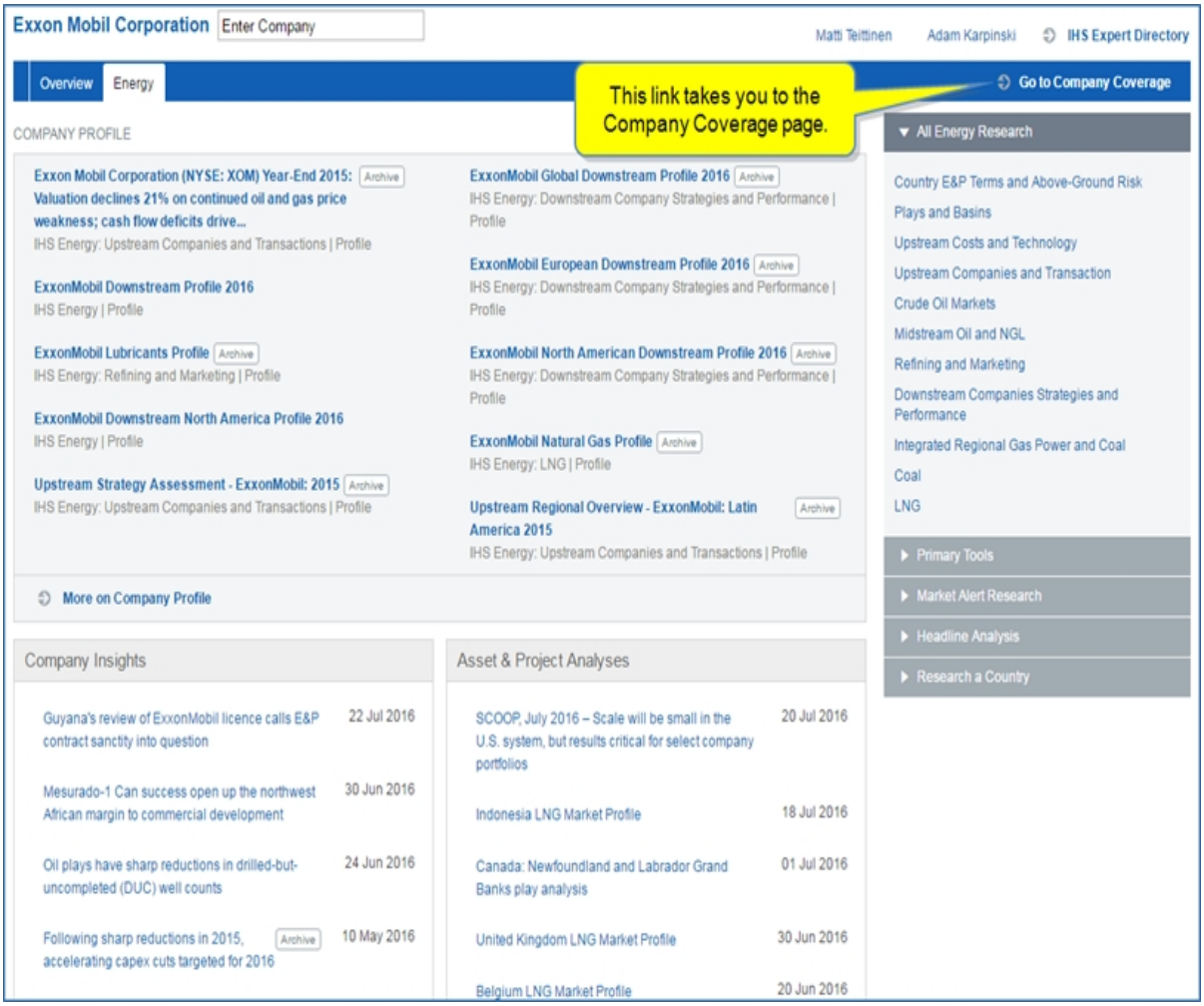
Several megamenus contain a field for Research a Company. When you enter a company or select one from the drop down as you begin typing, Connect takes you to the Company Profile. From Company Profile you can go to Company Coverage using the **Go to Company Coverage** link. Use these pages to gather information and insight about companies, private and public, involved in transactions and trends in the energy industry.

The Company Profile analysis provides a broad and detailed view of the valuation, strategy and performance of public and private companies active in the energy industry. You can view company specific research by entering a company in the search field. When you leave the Company Profile page and then return to it, the page opens to the last company and page that you viewed on your previous visit.

Enter a company in the Research a Company field, and select the company from the drop-down list.



The Company Profile page is displayed containing specific and essential information related to the company selected. The research articles, charts, and data tables are all specific to the company. Contact information for analysts is found by clicking the names in the upper right corner. You can also select the link for IHS Expert Directory as well as a link to **Go to Company Coverage**.



Note: Your experience may vary based on your subscriptions.

The following modules with detailed information grouped in content areas are presented on the page:

- Company Profile
- Company Insights
- Asset & Project Analyses
- Benchmarking
- Special Reports
- Transactions & Opportunities
- Company Performance Metrics
- Peer Group Insights
- US Private Oil Company Module
- M&A Trends
- M&A Timeline Graph
- New Source Production
- E&P Operational Activity
- Field Reserves And Production

The right panel contains accordion bars for the following research tools:

- All Energy Research
- Primary Tools
- Market Alert Research
- Headline Analysis
- Research a Country

Company Metrics

Company Metrics Overview

The Company Metrics tool in Connect provides a flexible query-building tool that includes specific line items—over 1,100—companies, regions, time frequencies, and currencies to evaluate company valuation, financial data, reserves, production, and cost trend analysis for public energy companies. IHS Markit analysts apply proprietary Herold analysis tools to the information from company annual statements and quarterly reports contained within this tool to project appraised net worth, future production locations, and cost trends.

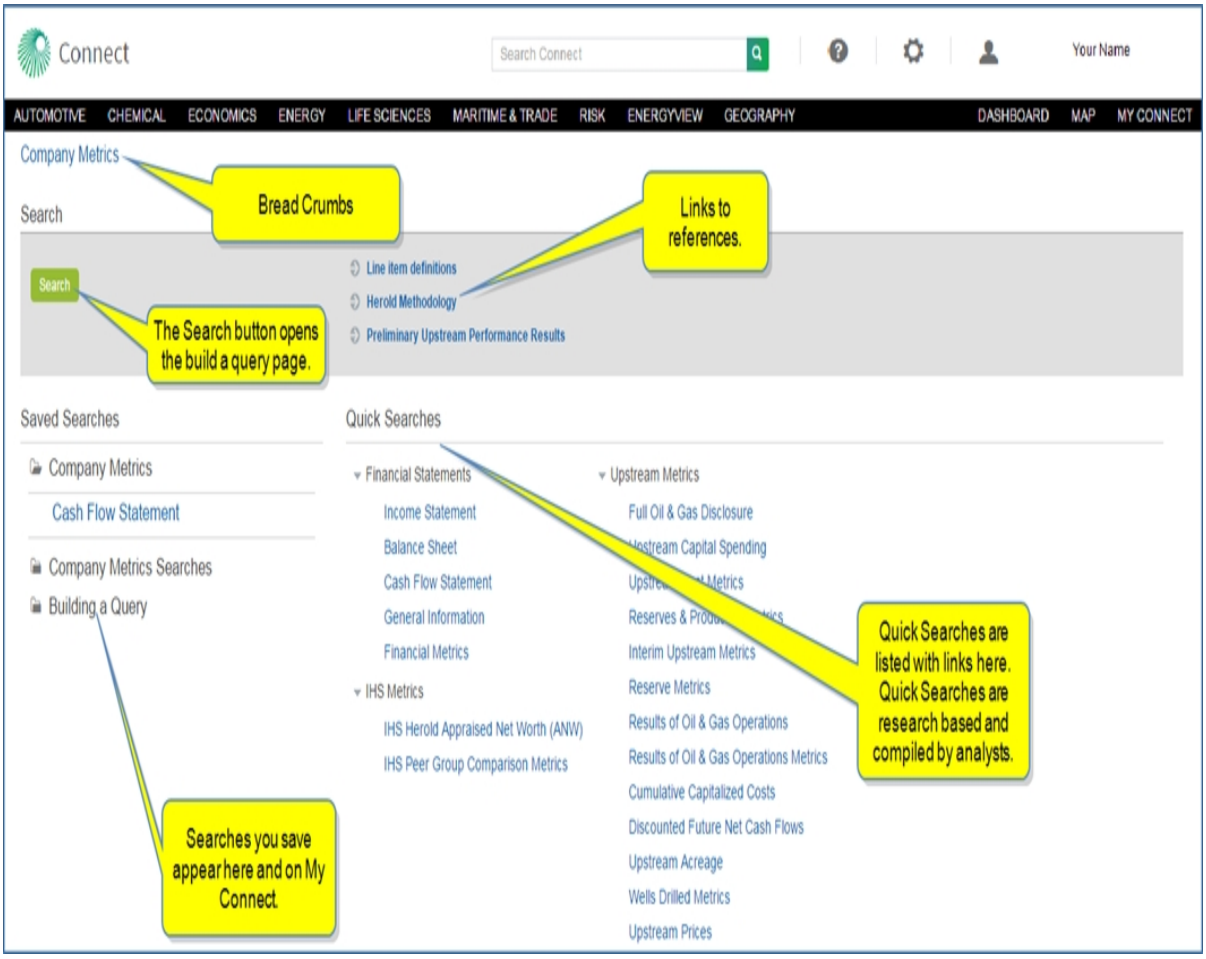
In the sections and topics that follow, you will learn how to use Quick Search, build queries for advanced Search, link to line item definitions and methodology, save searches on the Company Metrics page and in My Connect, share a search through email, import queries you have previously saved in the legacy Herold application, redesign the layout of search results to view your criteria based on your priorities, export search results to an Excel spreadsheet with line item definitions, and set email alerts on a daily or weekly basis when new information on your search becomes available.

When you open Company Metrics, you will find Search—used to build a query— and reference links for easy access to

- Line item definitions
- Herold Methodology
- Preliminary Upstream Performance Results

These items appear under the breadcrumbs trail in a shaded horizontal bar.

The next section shows Saved Searches and Quick Searches with blue lettering indicating links.



Refer to the following topics for description of the sections and tasks you can perform on Company Metrics:

- Building a query
- Examples of reference links
- Searching with Quick Searches
- Setting email alerts for Company Metrics
- Working with the Results Table

Building a query

You can search Company Metrics in two ways:

- The Quick Searches links take you directly to the results for data views that are compiled and maintained by analysts. Update the query with your companies of interest and these views will closely match those used daily by IHS Markit analysts in their assessments and benchmarking..
- Search takes you to a Create Query page. Here you can build a custom query using any combination of five filters (Company, Region, Line Item, Time, Currency).

Note: In addition, the links for Line item Definitions, Herold Methodology, and Preliminary Upstream Performance Results give you quick access to these reference materials.

The following topics are covered in the sections that follow:

- Looking at the filter options
  - Company
  - Region
  - Line Item
  - Time
  - Currency
- Building a query and viewing results
- Saving a Search
- Sharing a Search
- Exporting a Search

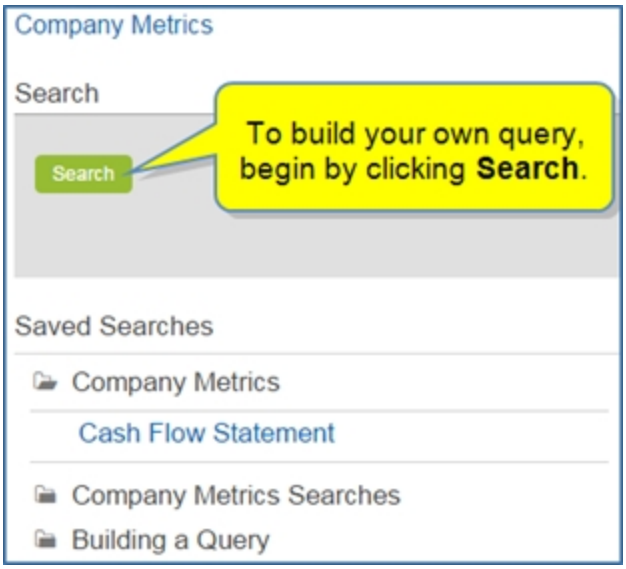
Looking at the filter options

You construct a query by selecting criteria from five filter groups. Then when you click **Search**, the Results View contains your selected criteria. You can then arrange your criteria to display vertically or horizontally in the table.

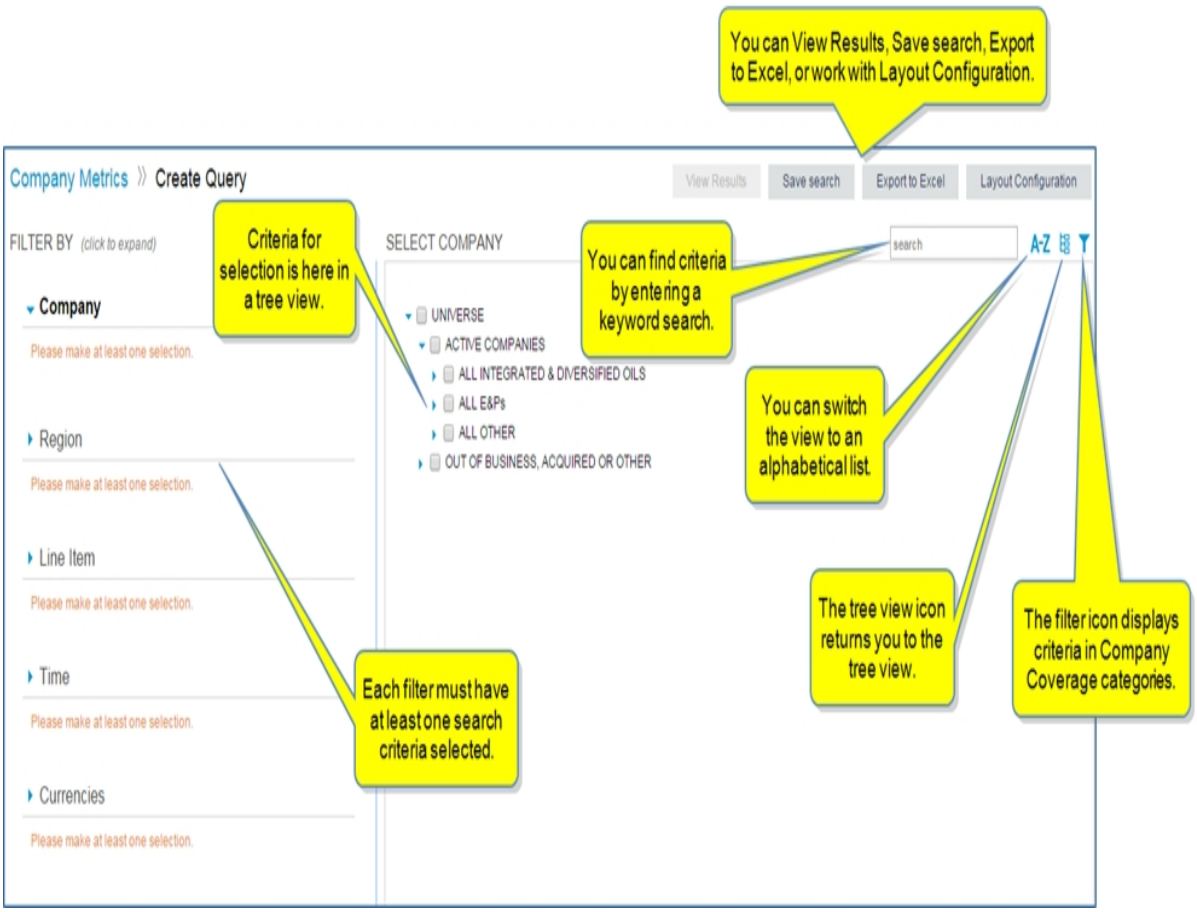
The essential purpose of building a query is for comparison between companies or regions and the time periods for particular line items. Another useful comparison is between years for a certain company.

You begin building a query by clicking

on the Company Metrics home page.



The Create Query page opens with the tree view of the criteria list displayed..



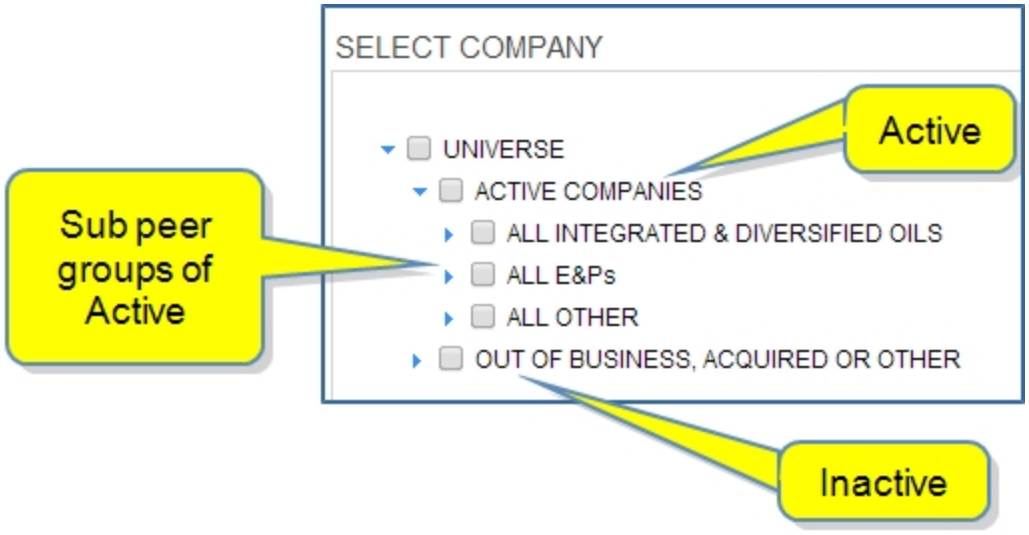
You will select criteria for five categories—Company, Region, Line Item, Time, Currencies. You will need to select at least one criteria for each category. You can expand and contract the filter categories by clicking the blue arrow to the right of the filter name.

Company

There are more than 750 companies represented in Company Metrics. Displayed in the tree structure, all companies come under Universe in two main categories:

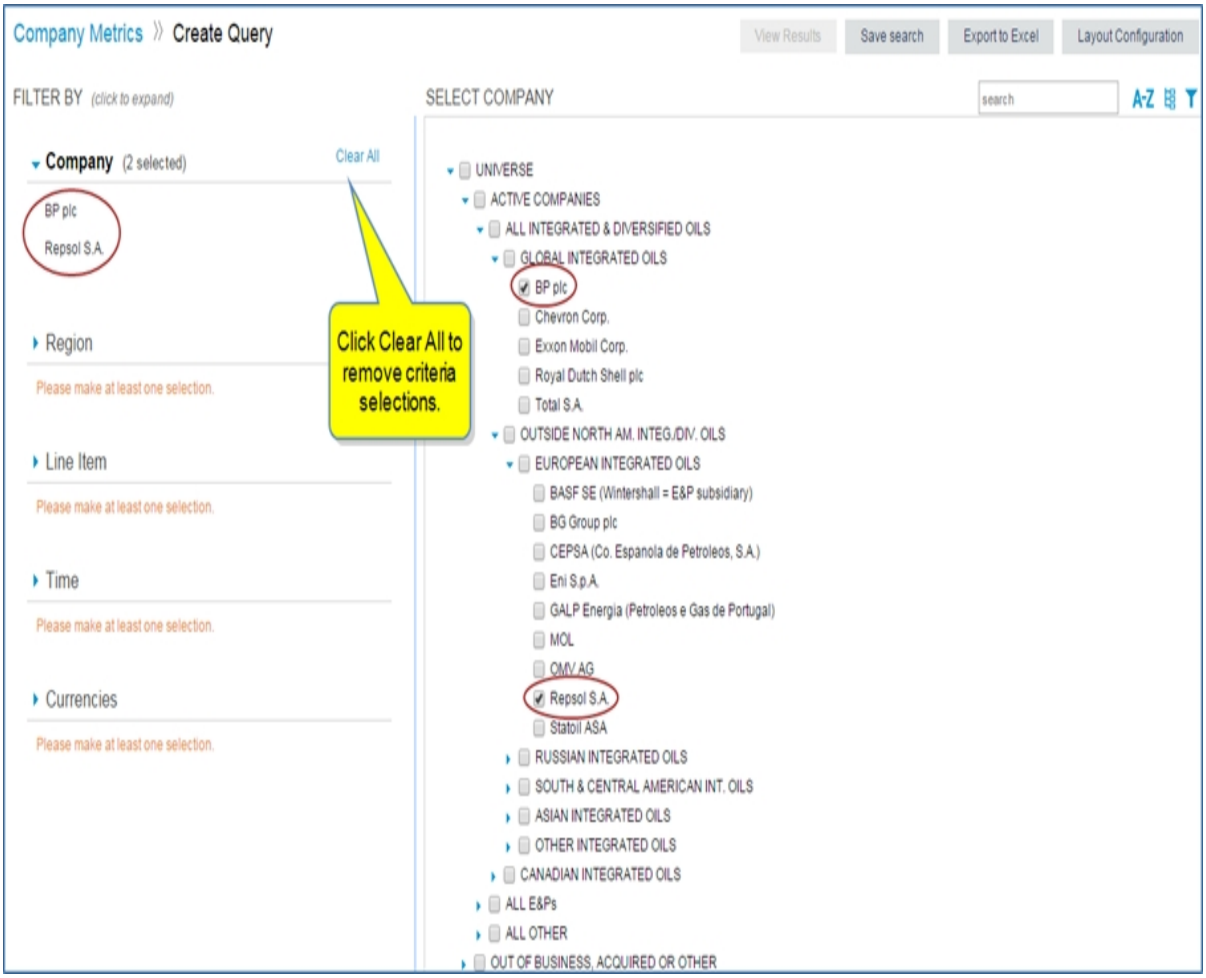
- Active Companies
- Out of Business, Acquired or Other

Note: Because Connect retains records for all historical information, companies that are not active are available but separated from active companies.

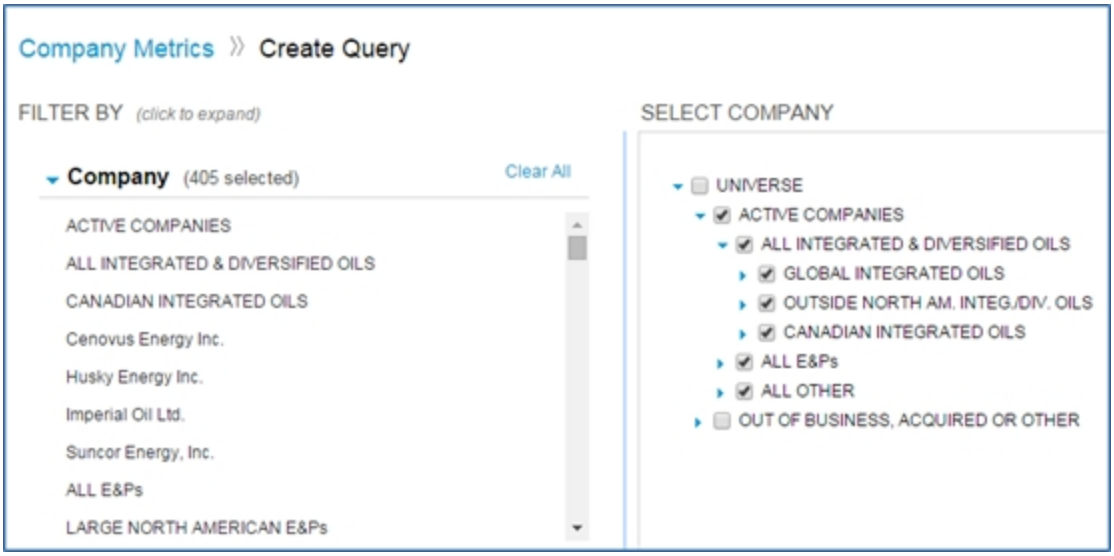


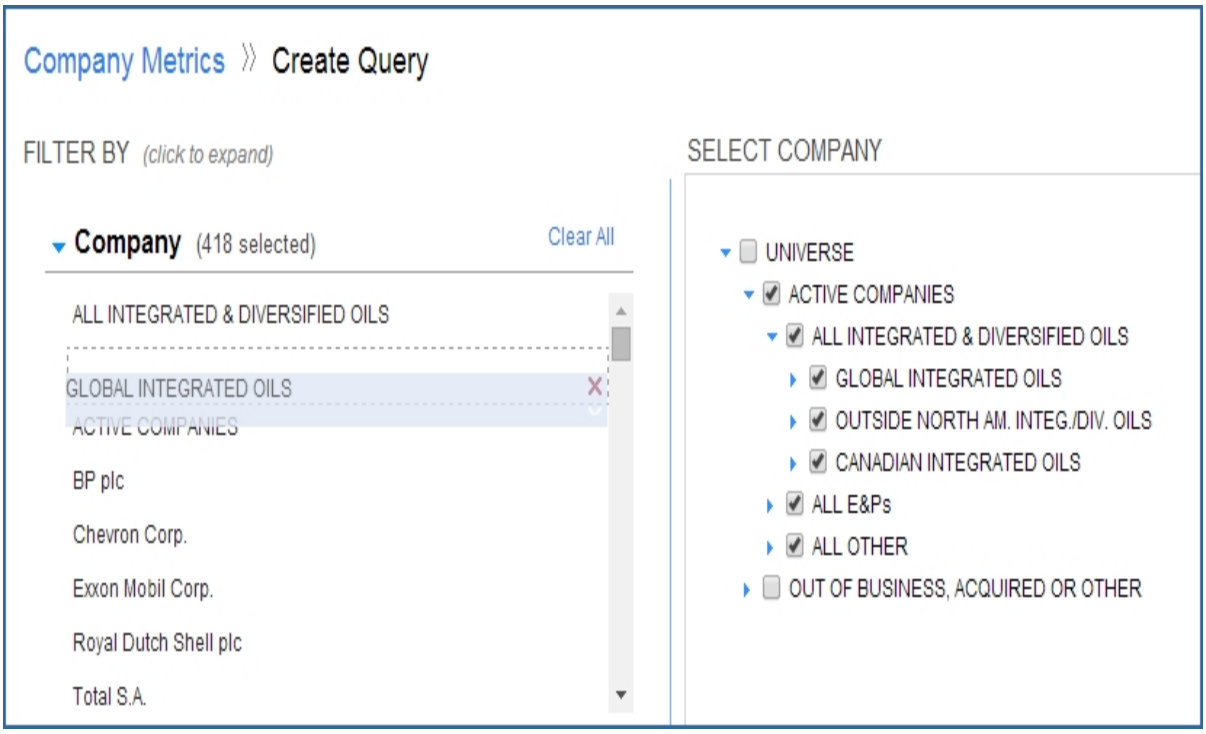
An expanded view of peer groups extends the tree until you reach a list of companies you can select. In the following example, we've selected BP plc and Repsol S.A.

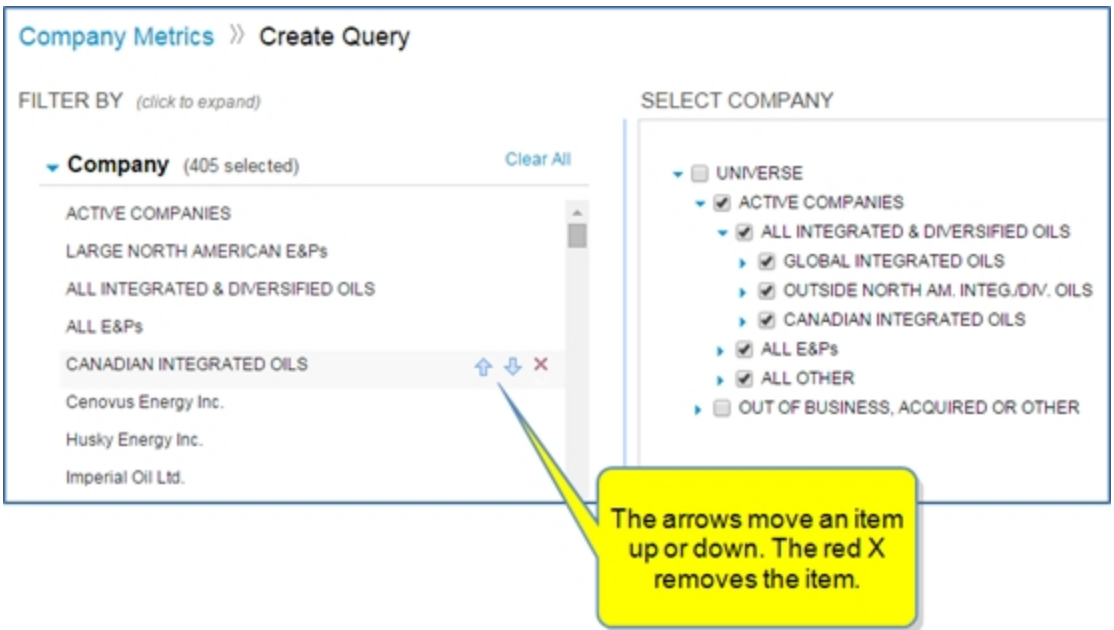
The **Clear All** link is displayed in case we want to clear the selections.



You can also select an entire peer group by clicking the box for the peer group header. You can select only the peer group (and not the companies contained within), by holding Ctrl + clicking on the peer group header. Once added to the selected list, you can reorder the companies by dragging and dropping, or by using the arrows visible when you hover.

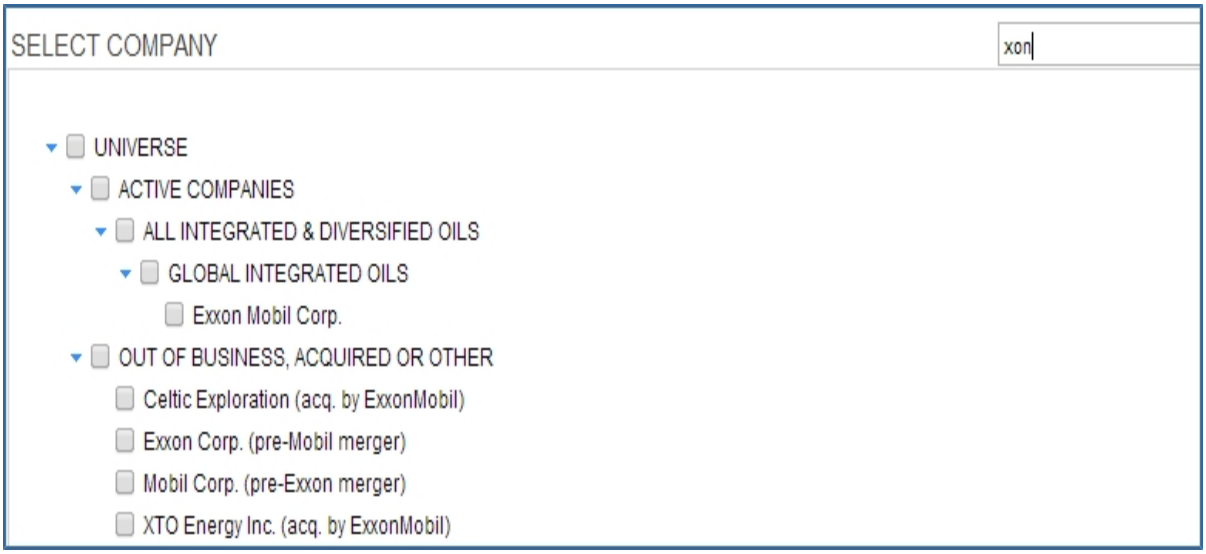

Company Metrics » Create Query
FILTER BY (click to expand)
Company (405 selected)
Clear All
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
CANADIAN INTEGRATED OILS
Cenovus Energy Inc.
Husky Energy Inc.
Imperial Oil Ltd.
Suncor Energy, Inc.
ALL E&Ps
LARGE NORTH AMERICAN E&Ps
SELECT COMPANY
UNIVERSE
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
GLOBAL INTEGRATED OILS
OUTSIDE NORTH AM. INTEG./DIV. OILS
CANADIAN INTEGRATED OILS
ALL E&Ps
ALL OTHER
OUT OF BUSINESS, ACQUIRED OR OTHER


Company Metrics » Create Query
FILTER BY (click to expand)
Company (418 selected)
Clear All
ALL INTEGRATED & DIVERSIFIED OILS
GLOBAL INTEGRATED OILS
ACTIVE COMPANIES
BP plc
Chevron Corp.
Exxon Mobil Corp.
Royal Dutch Shell plc
Total S.A.
SELECT COMPANY
UNIVERSE
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
GLOBAL INTEGRATED OILS
OUTSIDE NORTH AM. INTEG./DIV. OILS
CANADIAN INTEGRATED OILS
ALL E&Ps
ALL OTHER
OUT OF BUSINESS, ACQUIRED OR OTHER

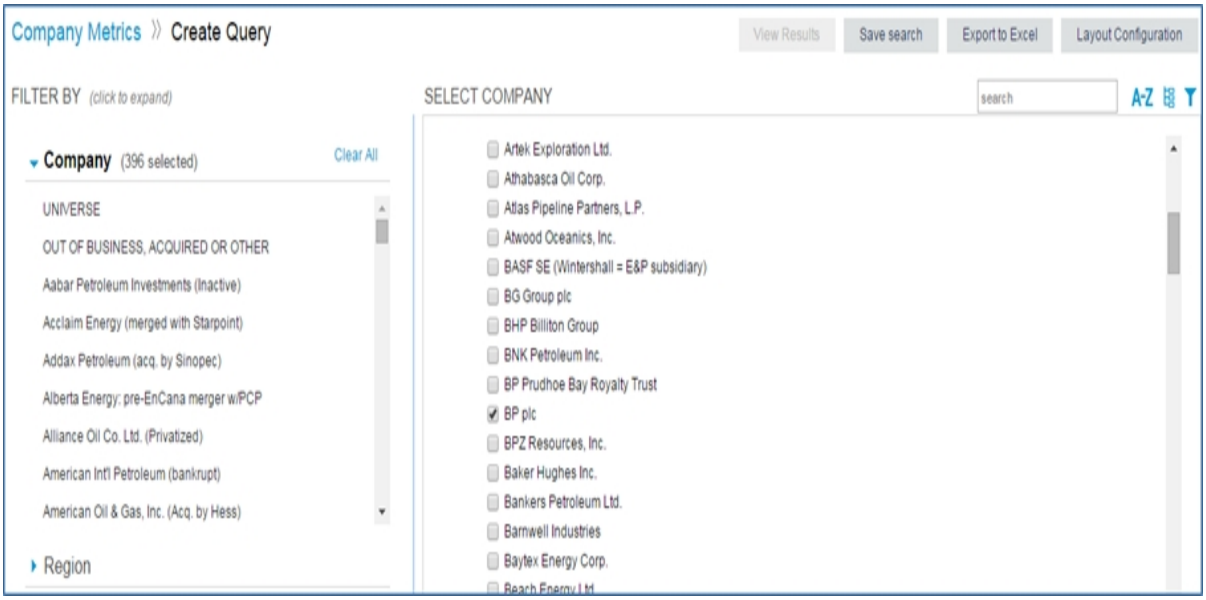

Company Metrics » Create Query
FILTER BY (click to expand)
Company (405 selected)
Clear All
ACTIVE COMPANIES
LARGE NORTH AMERICAN E&Ps
ALL INTEGRATED & DIVERSIFIED OILS
ALL E&Ps
CANADIAN INTEGRATED OILS
Cenovus Energy Inc.
Husky Energy Inc.
Imperial Oil Ltd.
SELECT COMPANY
UNIVERSE
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
GLOBAL INTEGRATED OILS
OUTSIDE NORTH AM. INTEG./DIV. OILS
CANADIAN INTEGRATED OILS
ALL E&Ps
ALL OTHER
OUT OF BUSINESS, ACQUIRED OR OTHER
The arrows move an item up or down. The red X removes the item.

Entering a keyword, lists the companies in both the Active Companies and Out of Business categories that meet the keyword criteria.

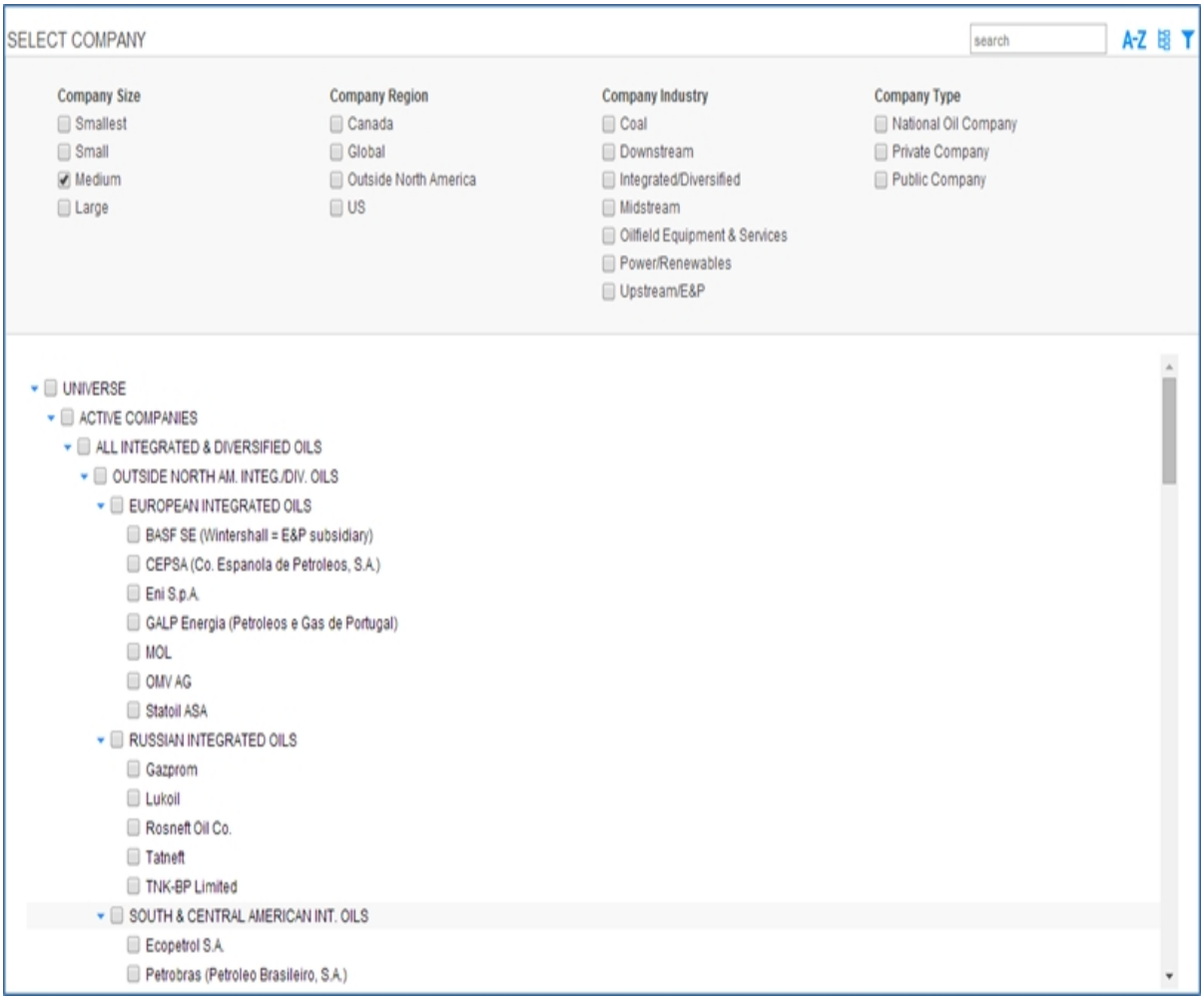
Note: You can enter the name of a company as the keyword, or the ticker for the company. In the following example, the keyword is **xom**, which returns results for Exxon Mobil Corp.

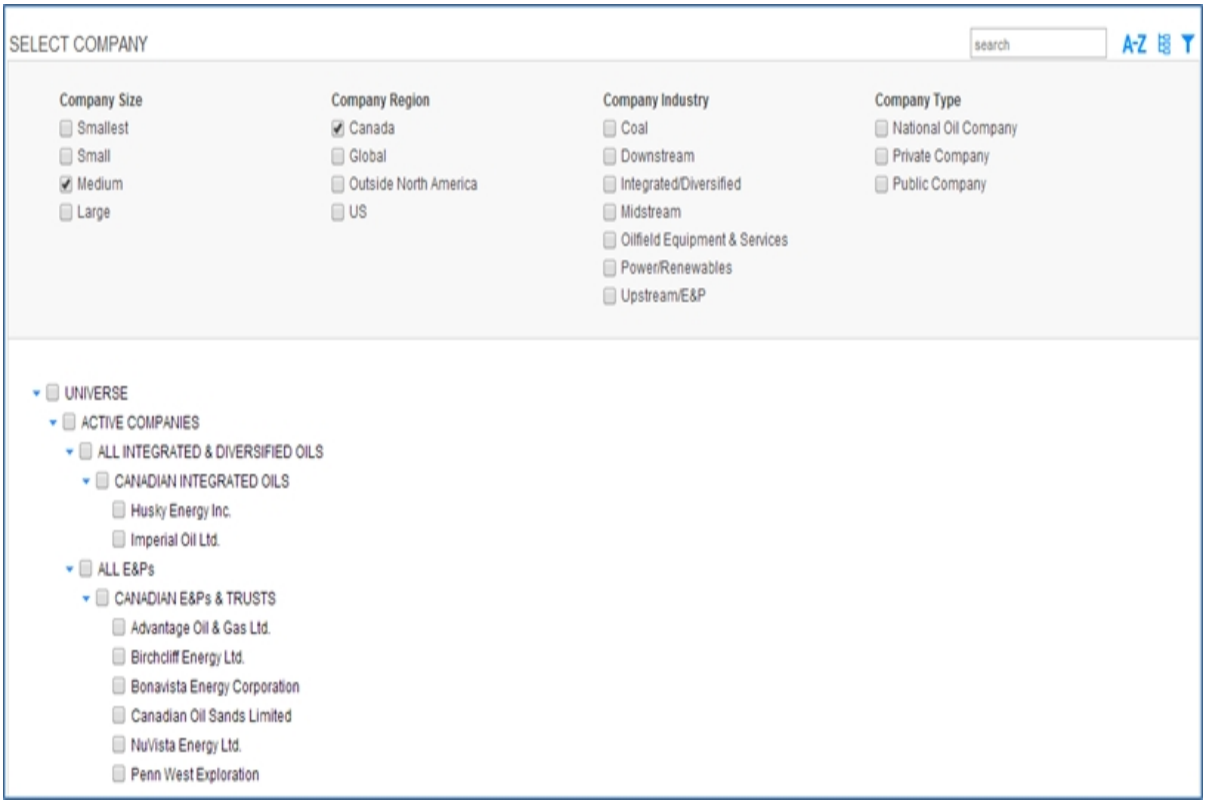


An alphabetical filtered list removes the peer group categories but retains the division between Active Companies and Out of Business, Acquired or Other.



Selecting the filter icon displays Company Coverage filters, so you can filter companies by size, region, industry, and type as found in the Company Coverage tool. In the following examples, we selected Medium for size, then Canada for region, and then Upstream E&P for industry.


SELECT COMPANY
search
A-Z
Company Size
Smallest
Small
Medium
Large
Company Region
Canada
Global
Outside North America
US
Company Industry
Coal
Downstream
Integrated/Diversified
Midstream
Oilfield Equipment & Services
Power/Renewables
Upstream/E&P
Company Type
National Oil Company
Private Company
Public Company
UNIVERSE
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
OUTSIDE NORTH AM. INTEG./DIV. OILS
EUROPEAN INTEGRATED OILS
BASF SE (Wintershall = E&P subsidiary)
CEPSA (Co. Espanola de Petroleos, S.A.)
Eni S.p.A.
GALP Energia (Petroleos e Gas de Portugal)
MOL
OMV AG
Statoil ASA
RUSSIAN INTEGRATED OILS
Gazprom
Lukoil
Rosneft Oil Co.
Tatneft
TNK-BP Limited
SOUTH & CENTRAL AMERICAN INT. OILS
Ecopetrol S.A.
Petrobras (Petroleo Brasileiro, S.A.)


SELECT COMPANY
search
A-Z
Company Size
Smallest
Small
Medium
Large
Company Region
Canada
Global
Outside North America
US
Company Industry
Coal
Downstream
Integrated/Diversified
Midstream
Oilfield Equipment & Services
Power/Renewables
Upstream/E&P
Company Type
National Oil Company
Private Company
Public Company
UNIVERSE
ACTIVE COMPANIES
ALL INTEGRATED & DIVERSIFIED OILS
CANADIAN INTEGRATED OILS
Husky Energy Inc.
Imperial Oil Ltd.
ALL E&Ps
CANADIAN E&Ps & TRUSTS
Advantage Oil & Gas Ltd.
Birchcliff Energy Ltd.
Bonavista Energy Corporation
Canadian Oil Sands Limited
NuVista Energy Ltd.
Penn West Exploration

Region

Region is headed by All Data with main sub categories for Financial Statements and Worldwide.

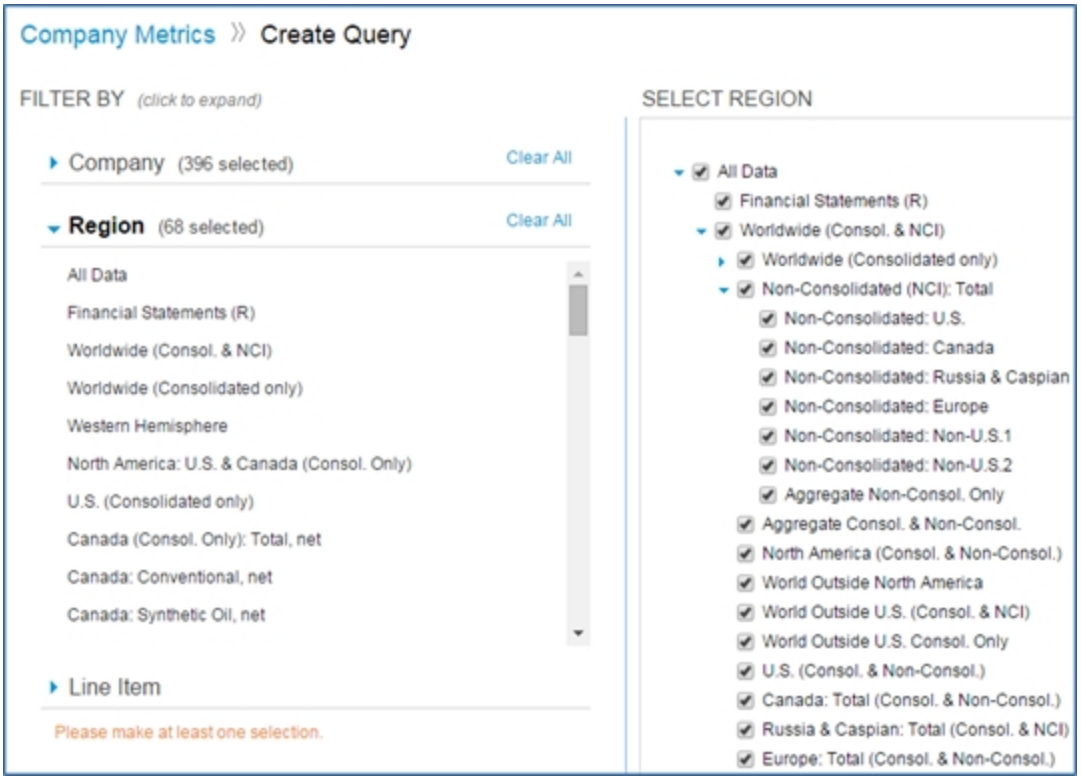
- Financial Statements include all financial metrics.
- Worldwide and all sub headings under Worldwide include all upstream operational metrics

Note: To view both Financial and total company Operational metrics in the same region, select the All Data region.

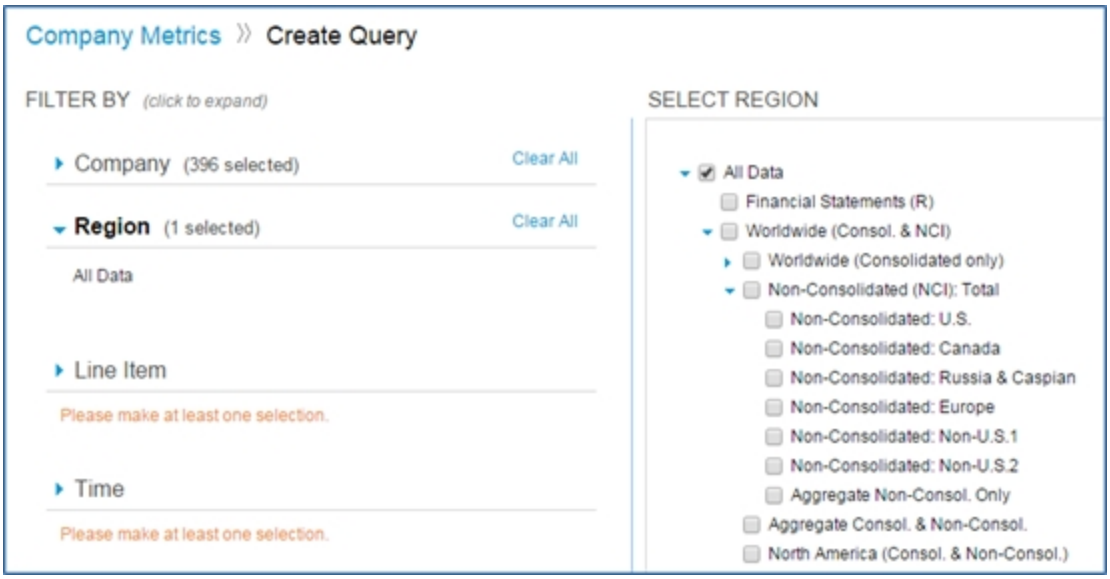
When working with the regional hierarchy, use **Ctrl + Click** to select only the parent region and avoid adding extra sub regions to your search. Unless you are interested in regional upstream operational data, it is recommended that you use **Ctrl + Click** to select All Data as your region.

As you expand the tree by clicking the blue arrows, you can select all items under a sub category when you click the header for the sub group.

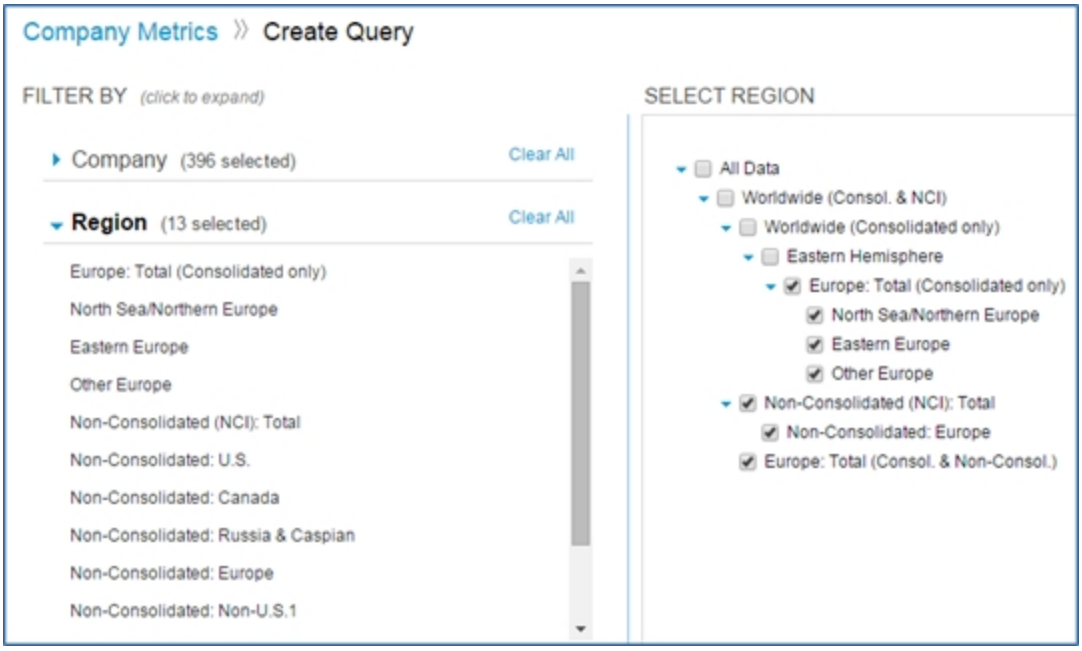
In the following example, we've selected **All Data** without using **Ctrl + Click**.



Here we've used **Ctrl + Click** to select **All Data** only.

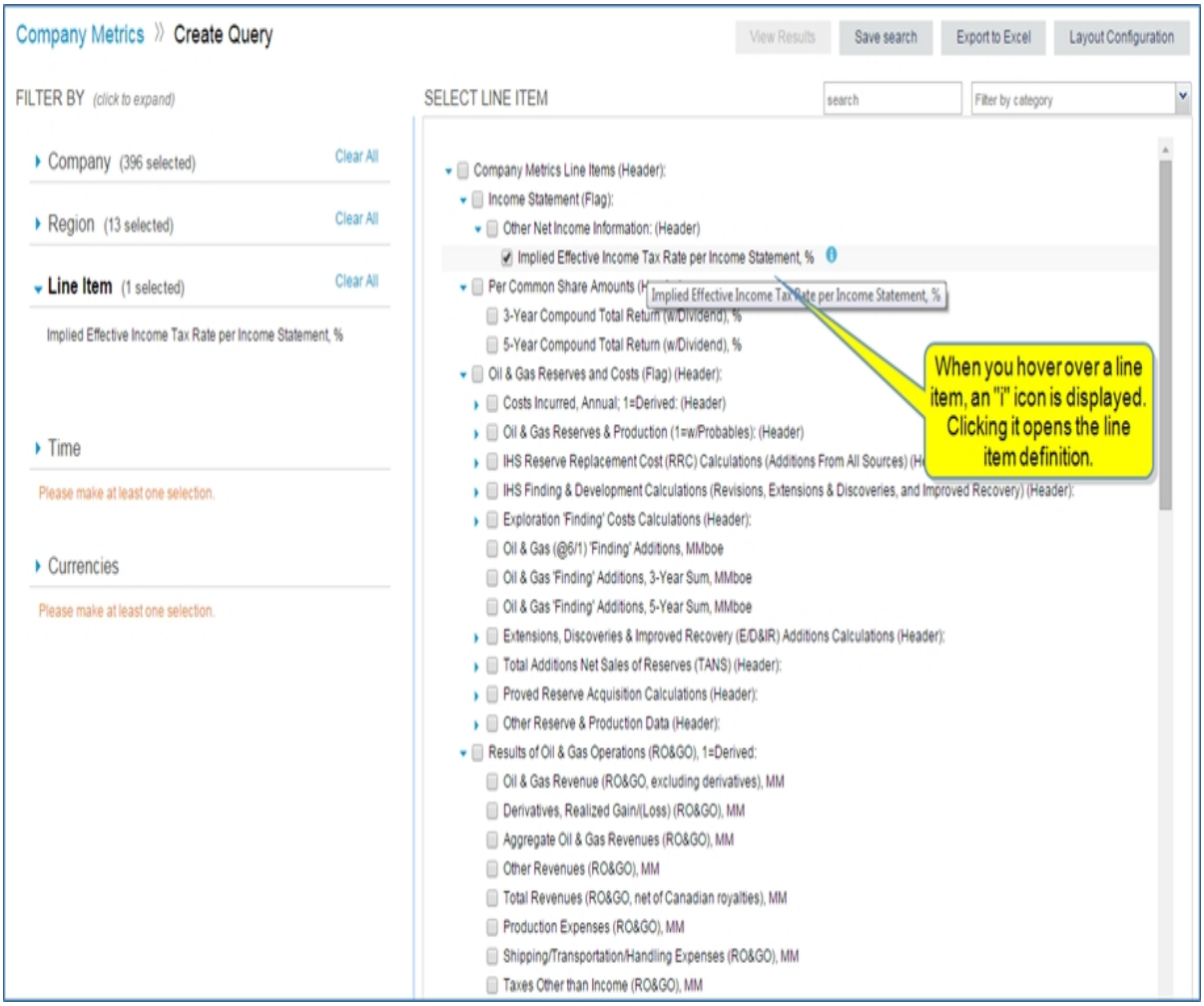


The following example shows entering the keyword "Europe," and then selecting European regions.

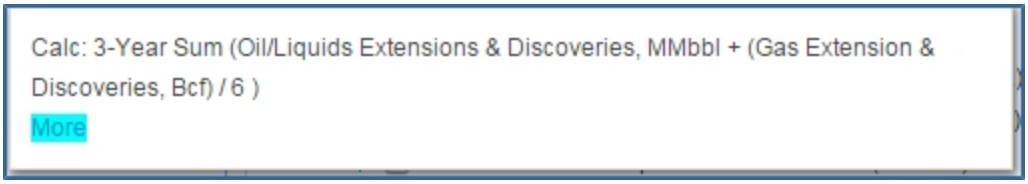


Line Item

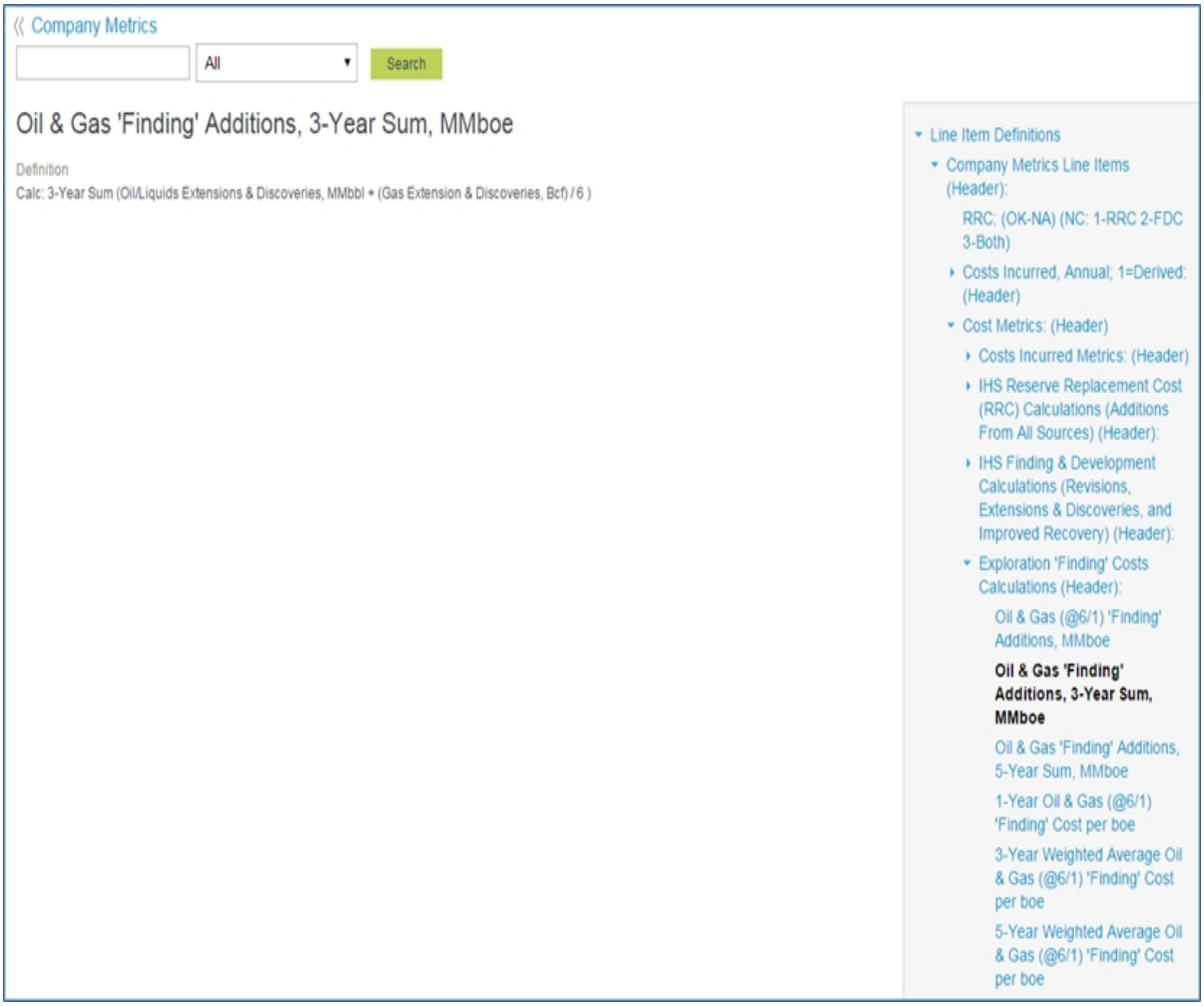
There are over 1,100 line items you can select. Again, when you click the Header with the blue arrow, all items in the sub group are selected. To select one parent Line Item at a time, use **Ctrl + Click** for each item.



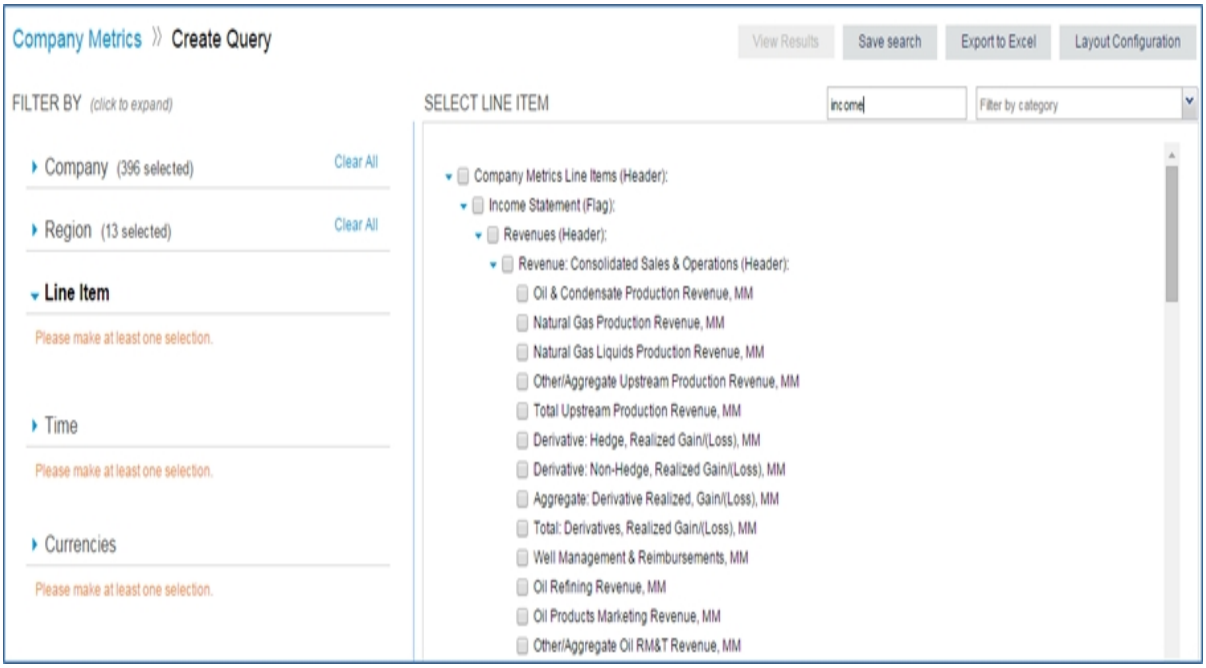
When you click the i icon that appears when you hover over a line item, the definition for that line item is displayed.



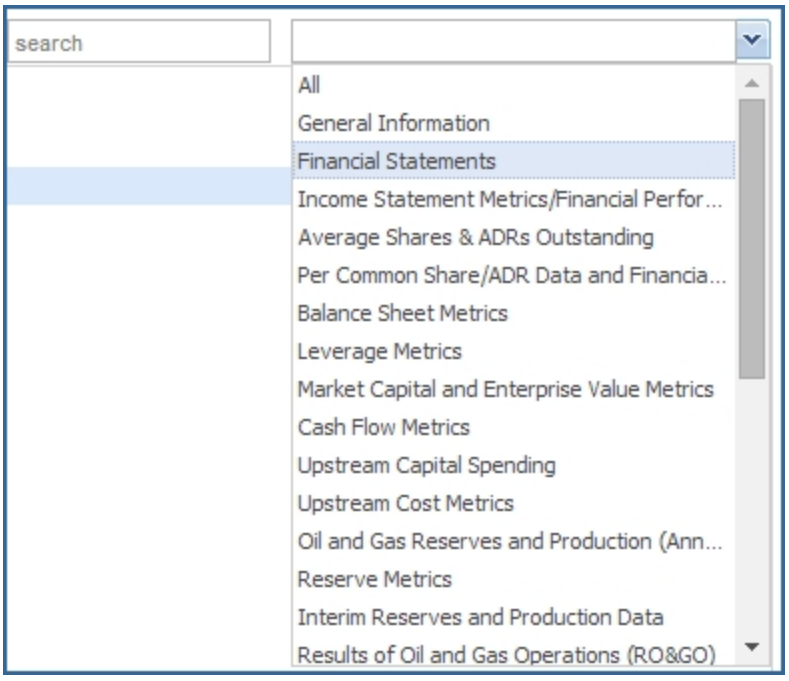
When you click **More**, Connect takes you to the Line Item Definitions page where you can search for other line item definitions.



You can use a keyword search to filter line items. In the following example, we used "income" as the keyword.

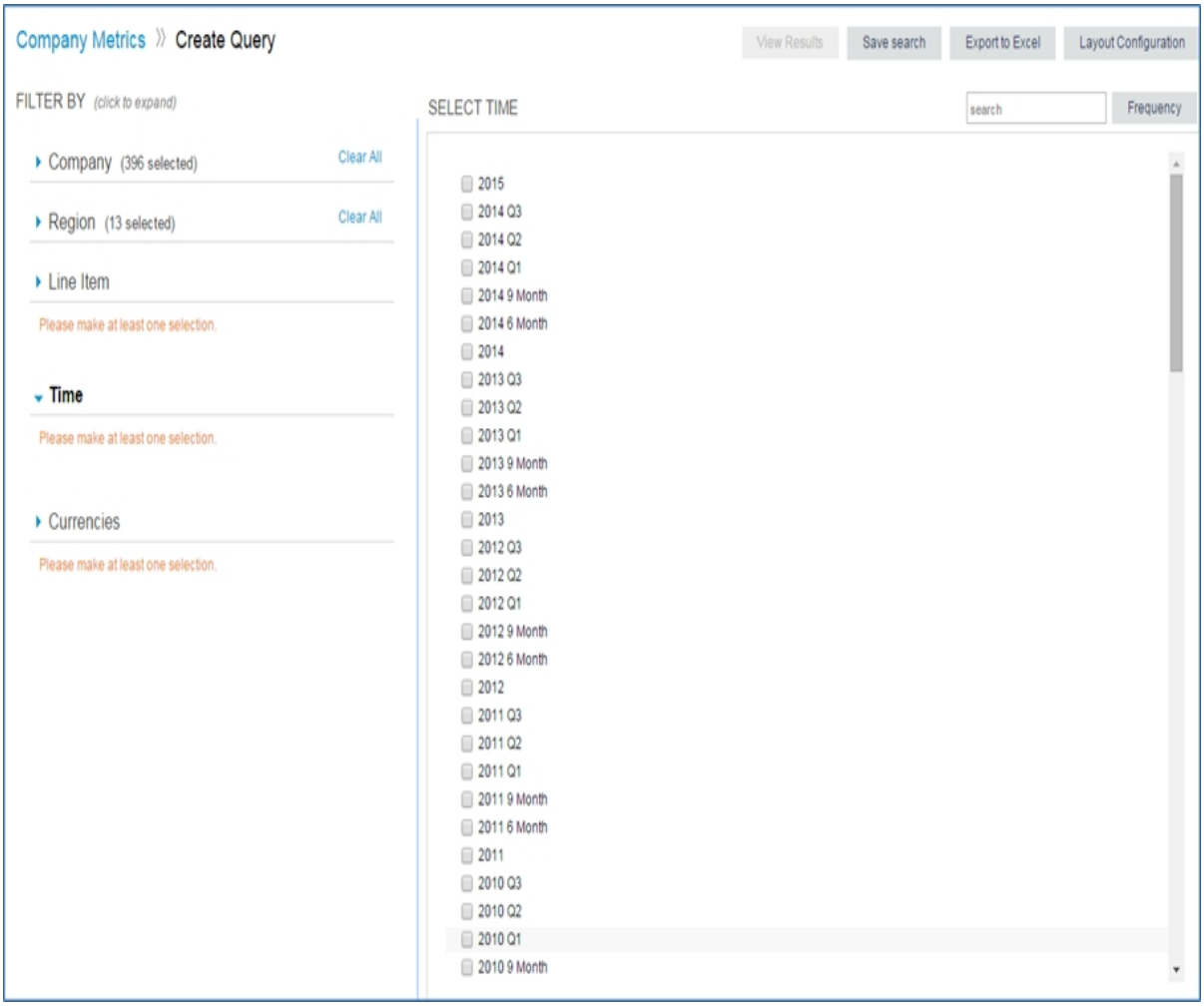


You can also filter by using the category drop down.

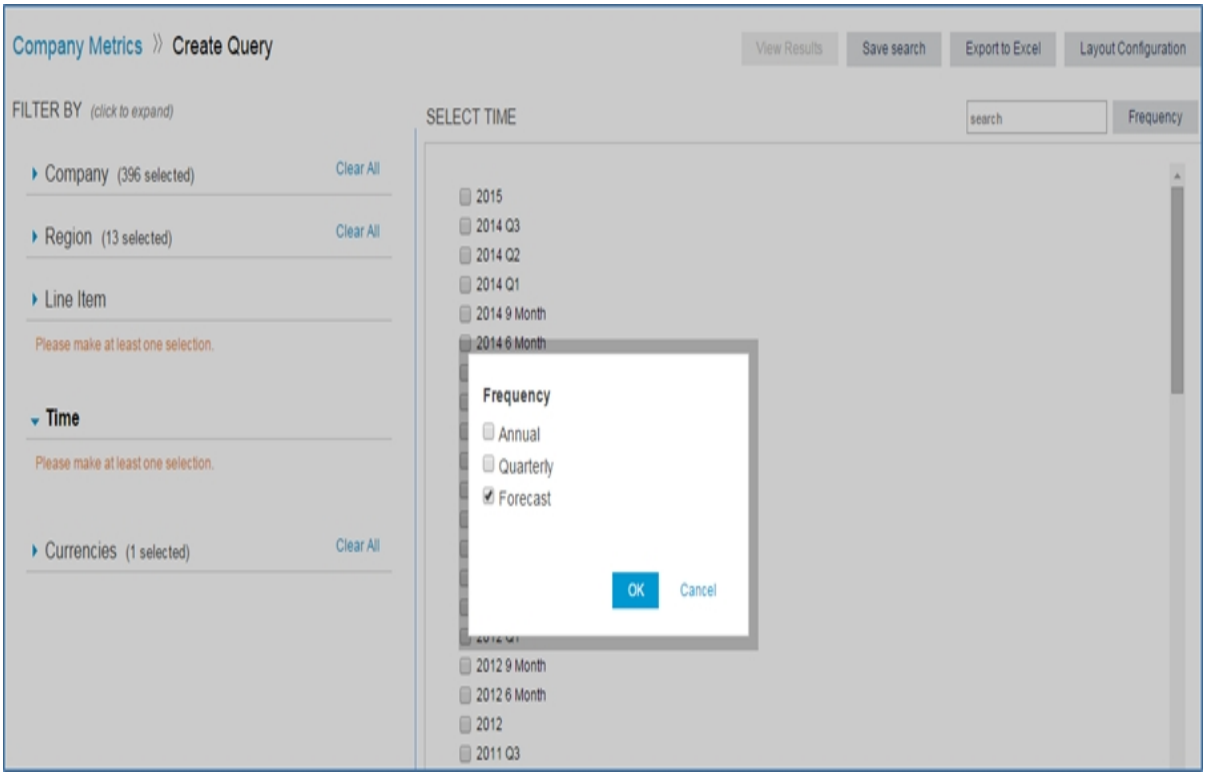


Time

The Time filter includes annual, quarterly, and forecast periods. You can select your individual choice, use a keyword search, or open the Frequency filter for a selection.



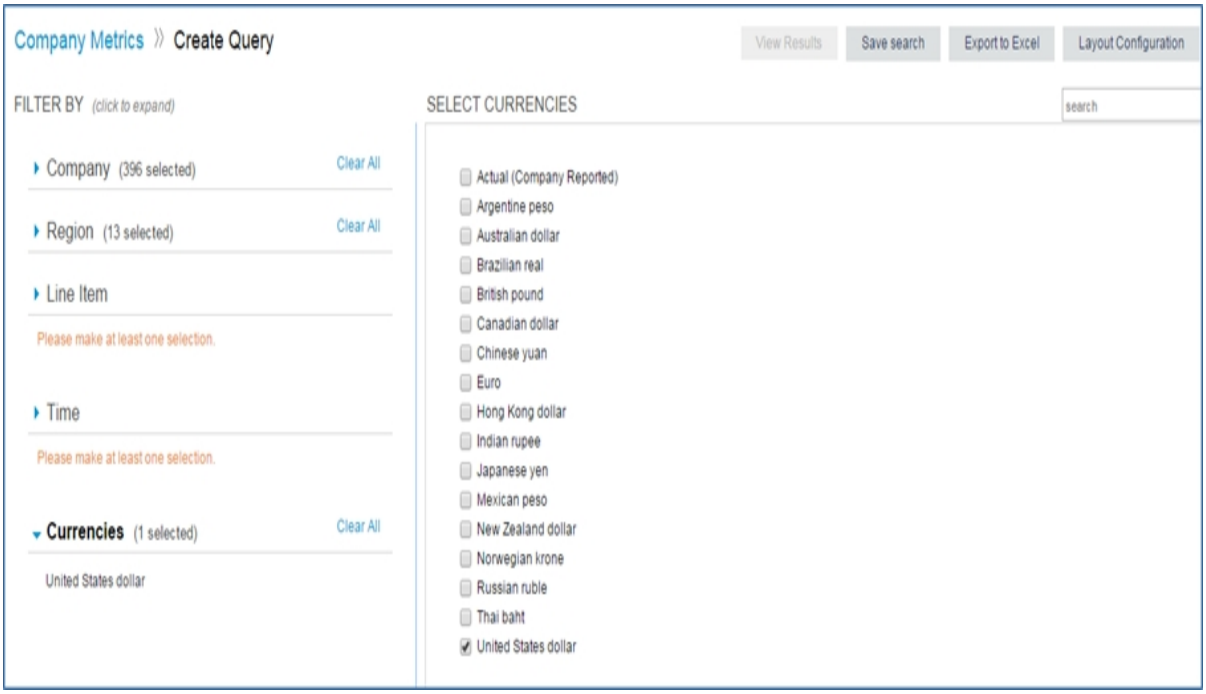
In this example, we have selected Forecast from the Frequency filter.



Currency

The Currencies filter lists the options in alphabetical order. You can also search by keyword.

The most common Currencies used are Actual and United States dollar. The United States dollar is the preference for peer group comparisons.

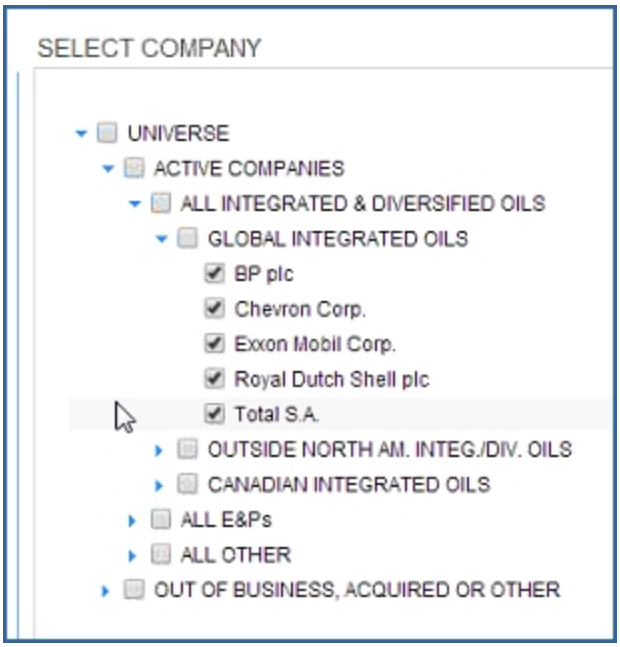


Building a query and viewing results

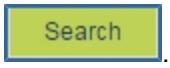
You build a query by selecting the criteria for Company, Region, Line Item, Time, and Currency on the Create Query page.

To build a query

1. Click Search on the Company Metrics home page.
2. Select the companies under Global Integrated Oils.

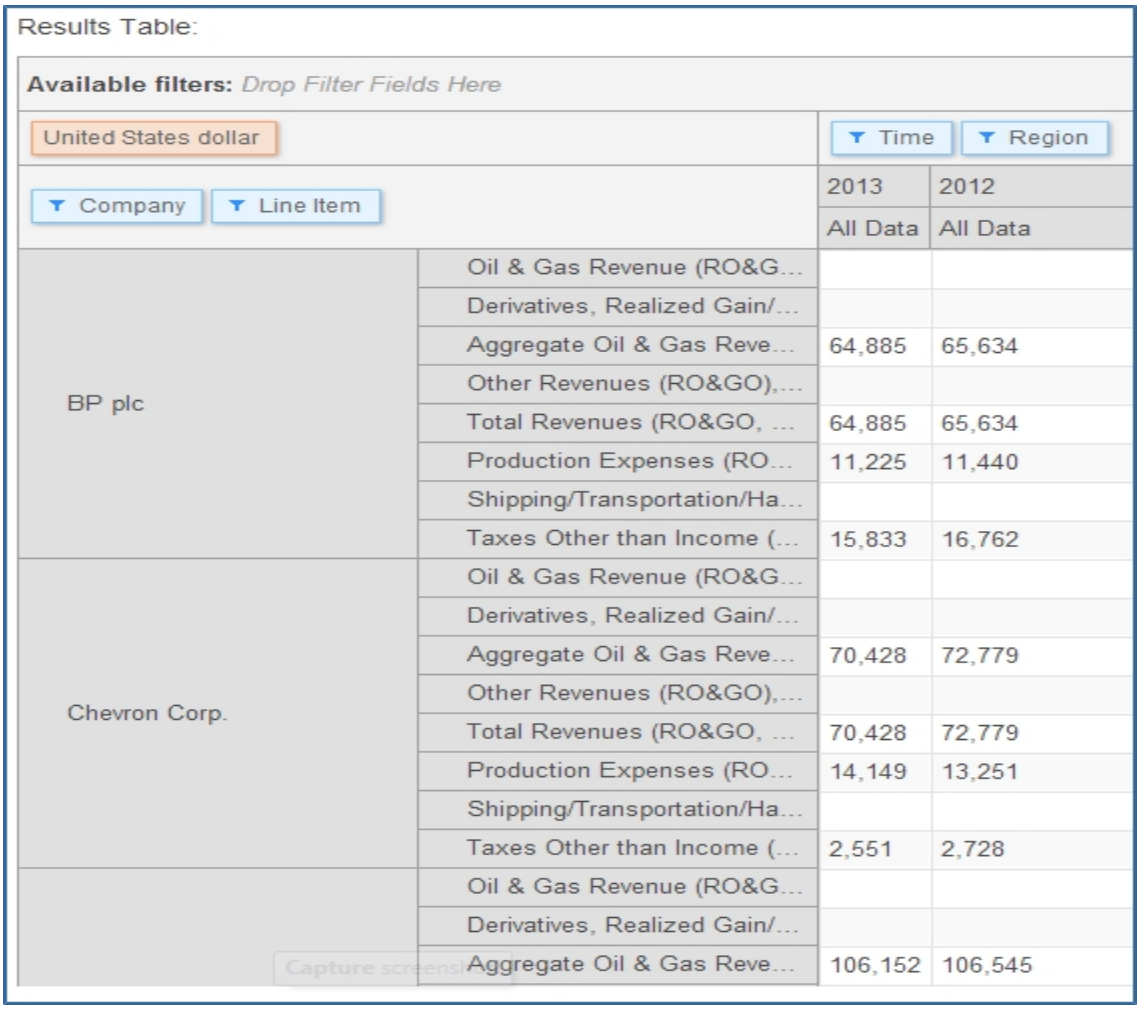


3. Select **All Data** for the region.
4. Select the following Line Items:

5. Select **2012** and **2013** for the Time filter.
6. Select **United States Dollar** for currency.
7. Click 

.

   The Results Table is displayed.


Results Table:

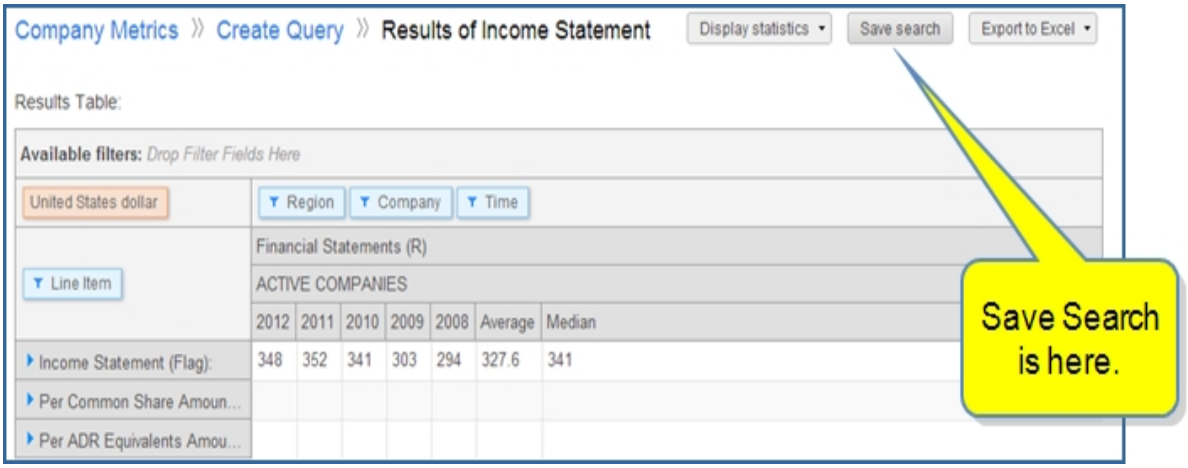
Available filters: *Drop Filter Fields Here*

United States dollar		Time	Region
Company	Line Item	2013	2012
		All Data	All Data
BP plc	Oil & Gas Revenue (RO&G...		
	Derivatives, Realized Gain/...		
	Aggregate Oil & Gas Reve...	64,885	65,634
	Other Revenues (RO&GO),...		
	Total Revenues (RO&GO, ...	64,885	65,634
	Production Expenses (RO...	11,225	11,440
	Shipping/Transportation/Ha...		
	Taxes Other than Income (...	15,833	16,762
Chevron Corp.	Oil & Gas Revenue (RO&G...		
	Derivatives, Realized Gain/...		
	Aggregate Oil & Gas Reve...	70,428	72,779
	Other Revenues (RO&GO),...		
	Total Revenues (RO&GO, ...	70,428	72,779
	Production Expenses (RO...	14,149	13,251
	Shipping/Transportation/Ha...		
	Taxes Other than Income (...	2,551	2,728
	Oil & Gas Revenue (RO&G...		
	Derivatives, Realized Gain/...		
	Aggregate Oil & Gas Reve...	106,152	106,545

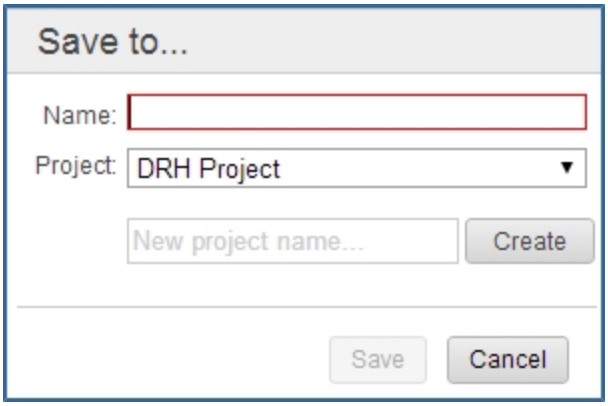
For further information about the Results Table, see Working with the Results Table.

Saving a Search

To save a search, with the layout and criteria you have included in the Results Table, click **Save Search**.

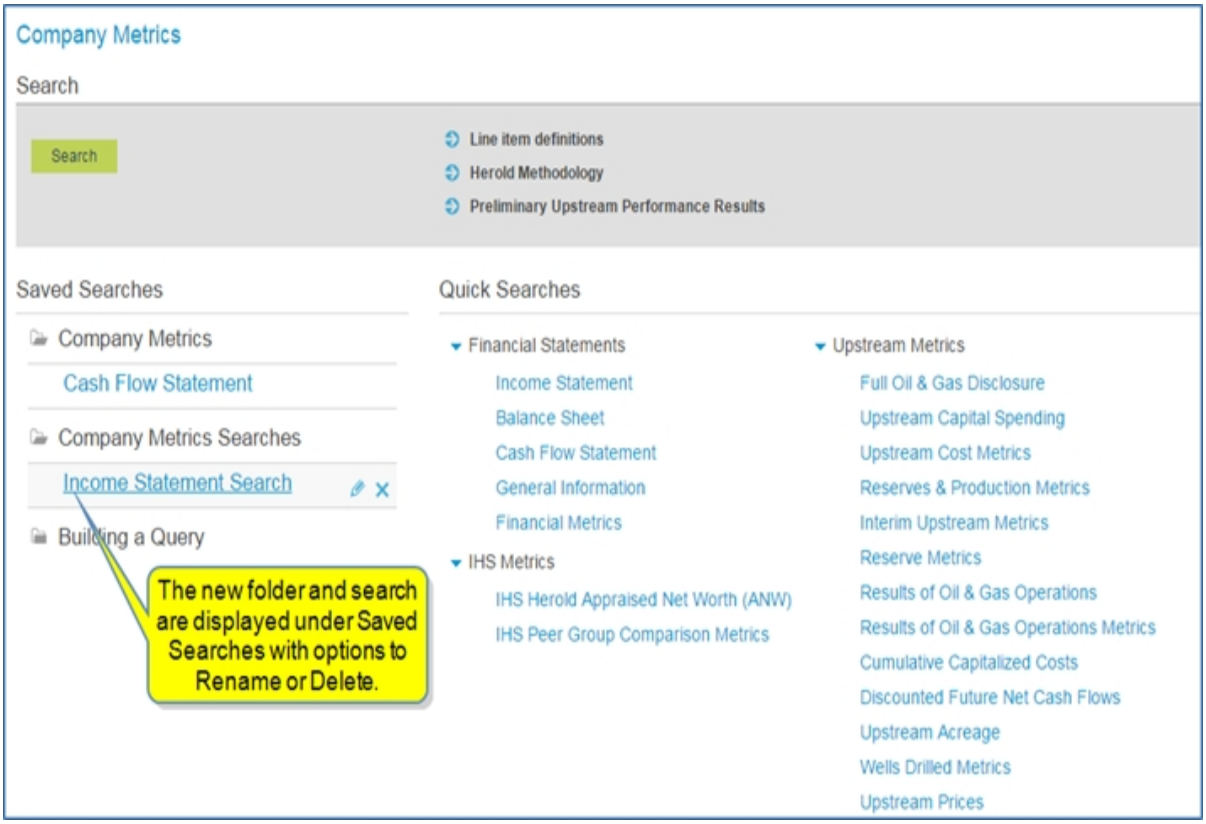


The ***Save To...*** dialog box is displayed.

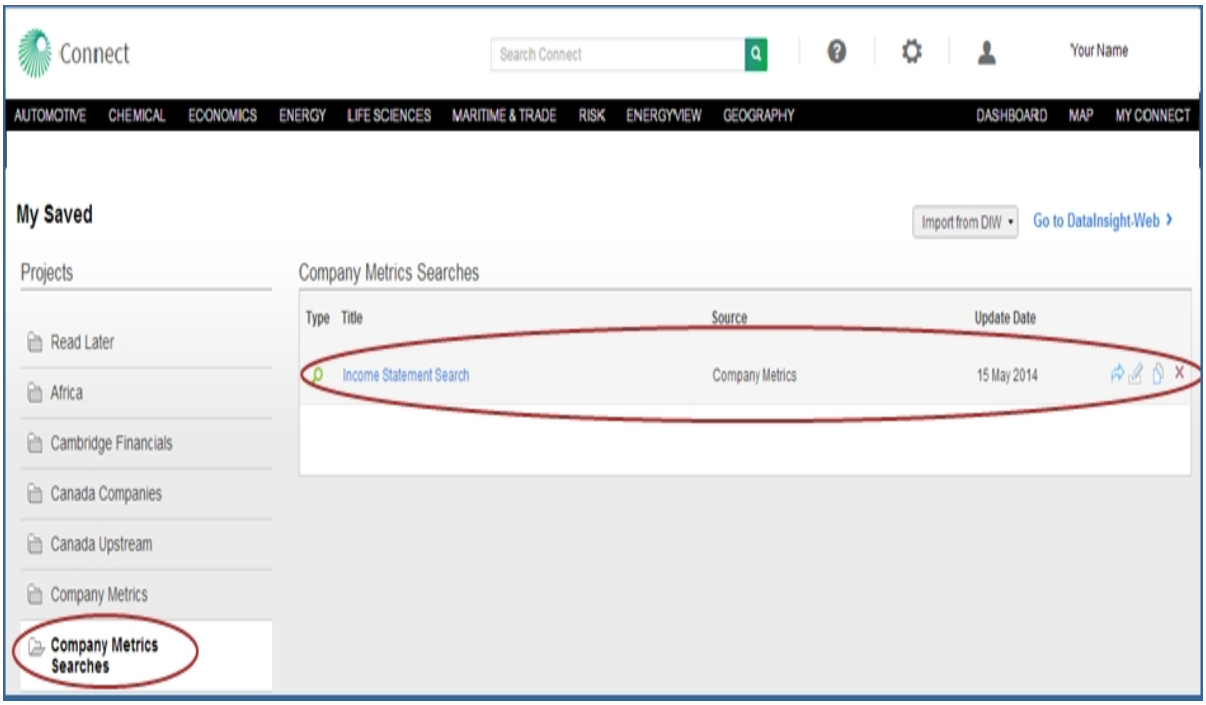


Name the search, select a Project, or create a new project name for the search, and then click **Save**. We'll name the search "Income Statement Search" and create a new folder called "Company Metrics Searches."

The saved search appears on the Company Metrics page with options to Rename or Remove when you hover over the link.



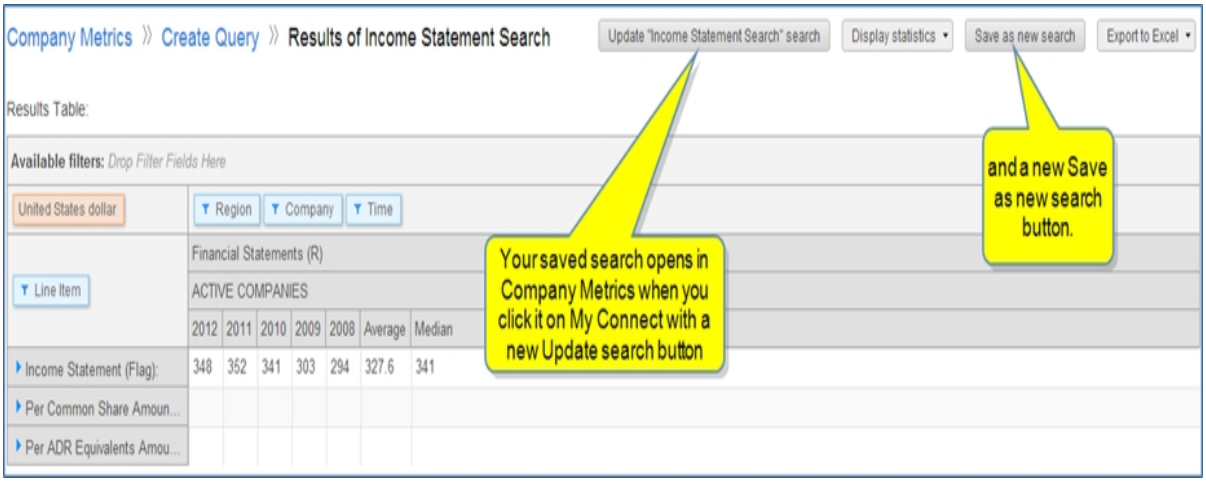
The saved search is also displayed on My Connect with options, as you hover, to Share, Edit Name, Copy to, or Remove.



When you rename the search, the new name appears on both the Company Metrics page and on My Connect.

When you remove the search, it is removed from both Company Metrics and My Connect.

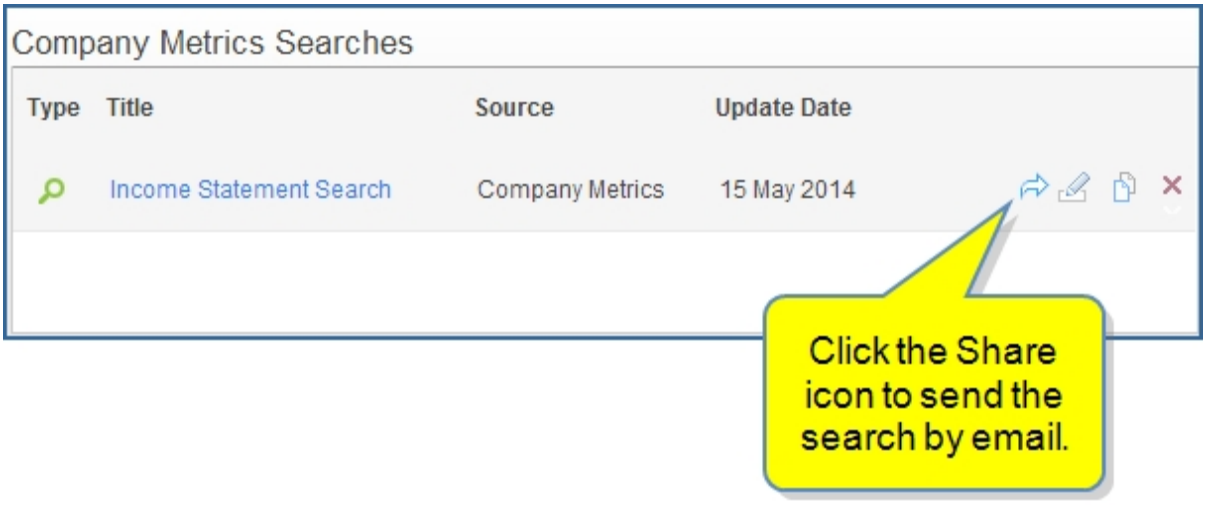
When you click the name of the search, the Results Table is displayed in Company Metrics with two new buttons Update "Income Statement Search" search and Save as new search.



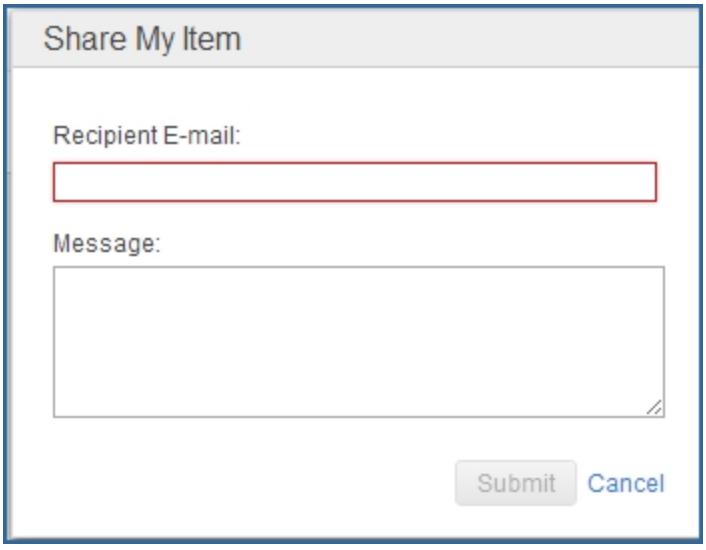
You can make changes to the Results Tab

Sharing a Search

To share a search from My Connect by sending it through email, click the Share icon visible when you hover over any search.



The ***Share My Item*** dialog box opens.



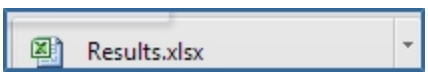
When you enter the Recipient E-Mail and your Message, the Submit button activates. Click **Submit** to send the message.

The Recipient will receive an email with contents like the following:

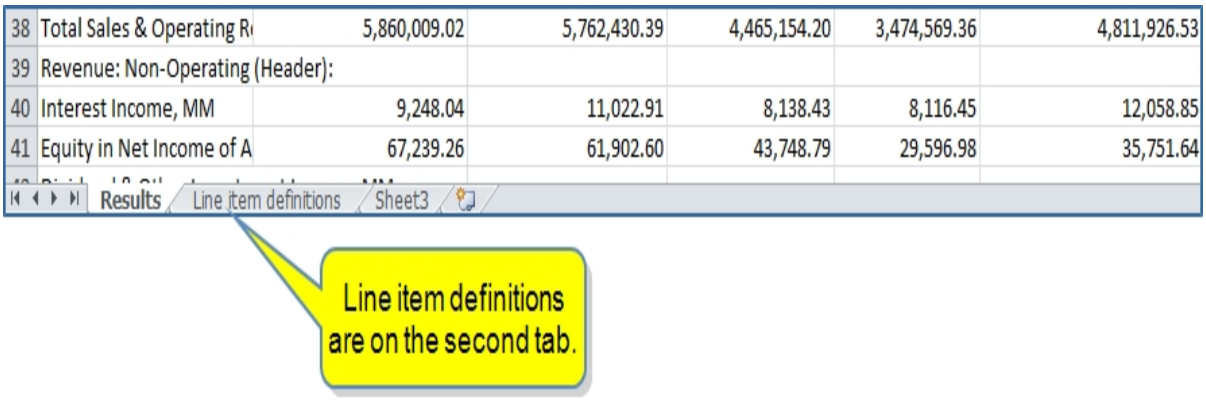
Exporting a Search

When you click the **Export to Excel** button on the Results Table, you can choose **"With line item definitions"** or **"Without line item definitions."** The results table will be exported with the layout as it appears on the screen.

Your export excel is displayed in the lower right corner.



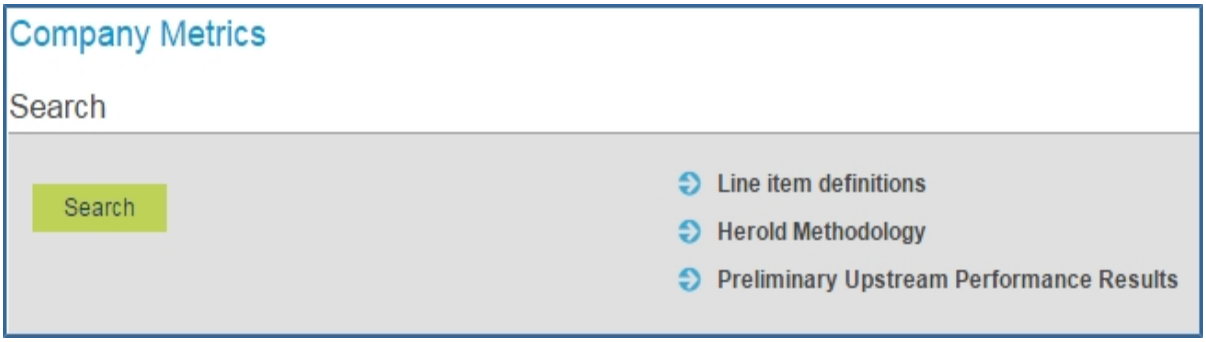
When you open the Excel file, your search results are displayed on the first tab. If you selected "With line item definitions," the definitions are displayed on the second tab.



Examples of reference links

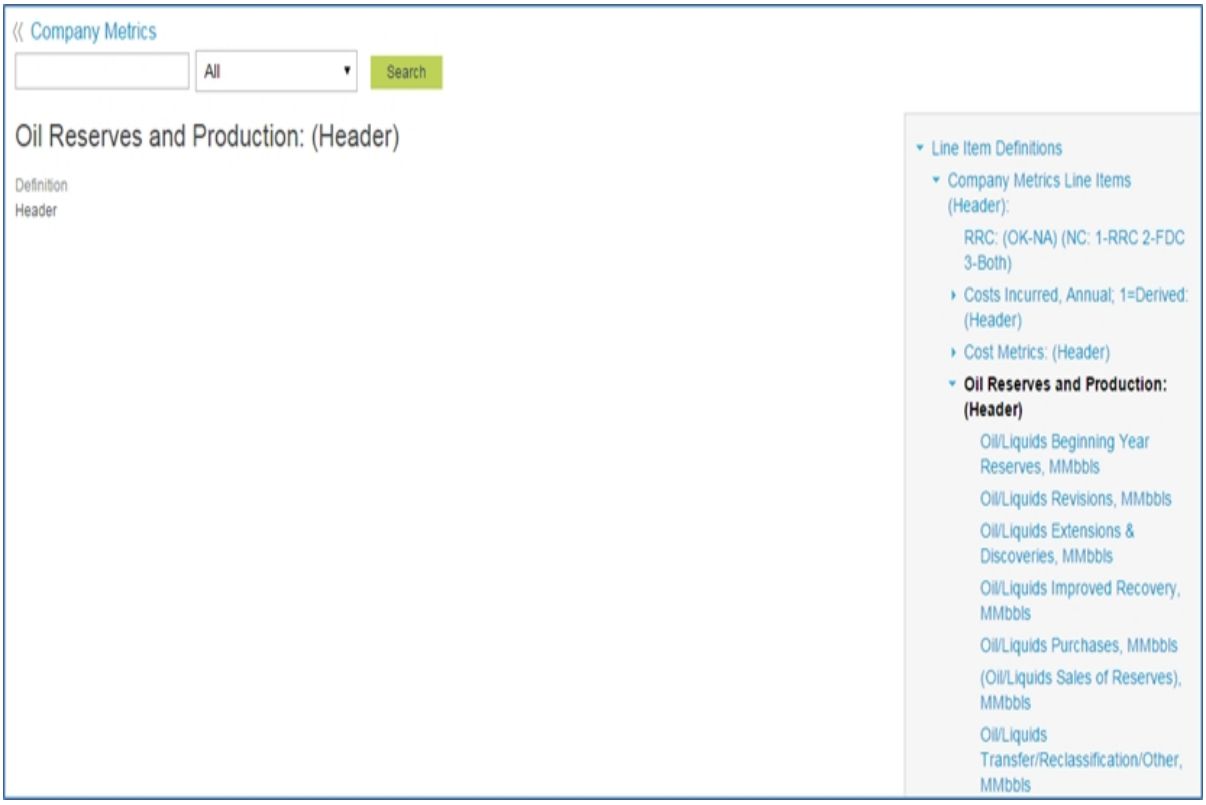
The reference links on Company Metrics give you quick access to often used

- Line item definitions
- Herold methodology
- Preliminary Upstream Performance Results sheet

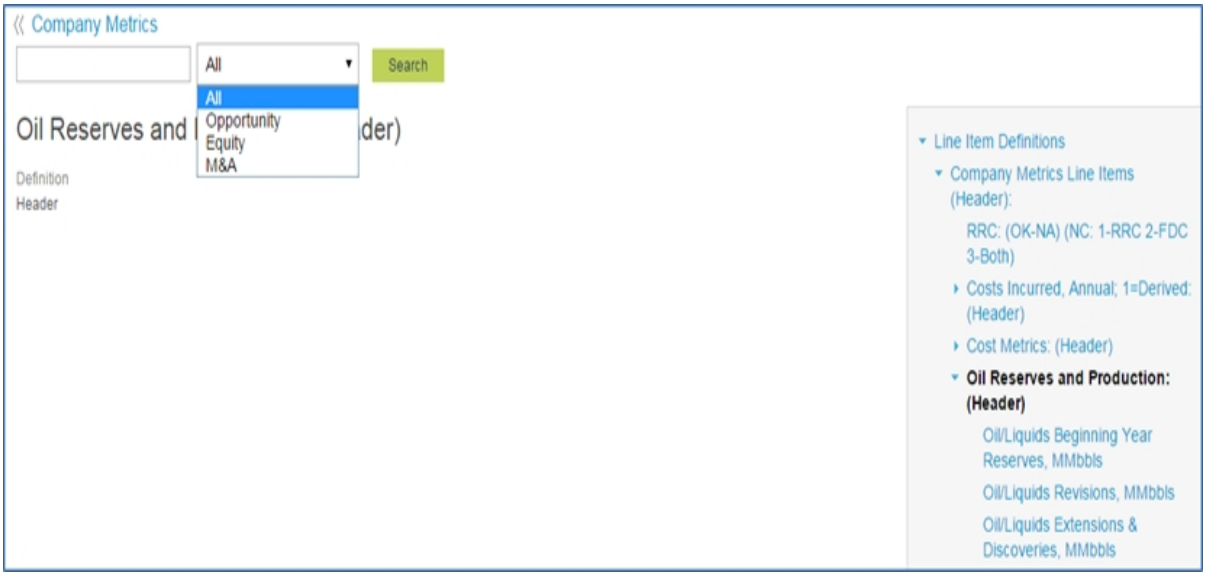


Line item definitions

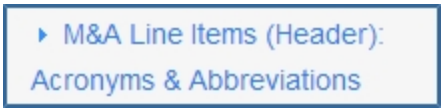
The line item headers expand to reveal more links for definitions.



You can enter a keyword search and filter by All, Equity, and M&A.

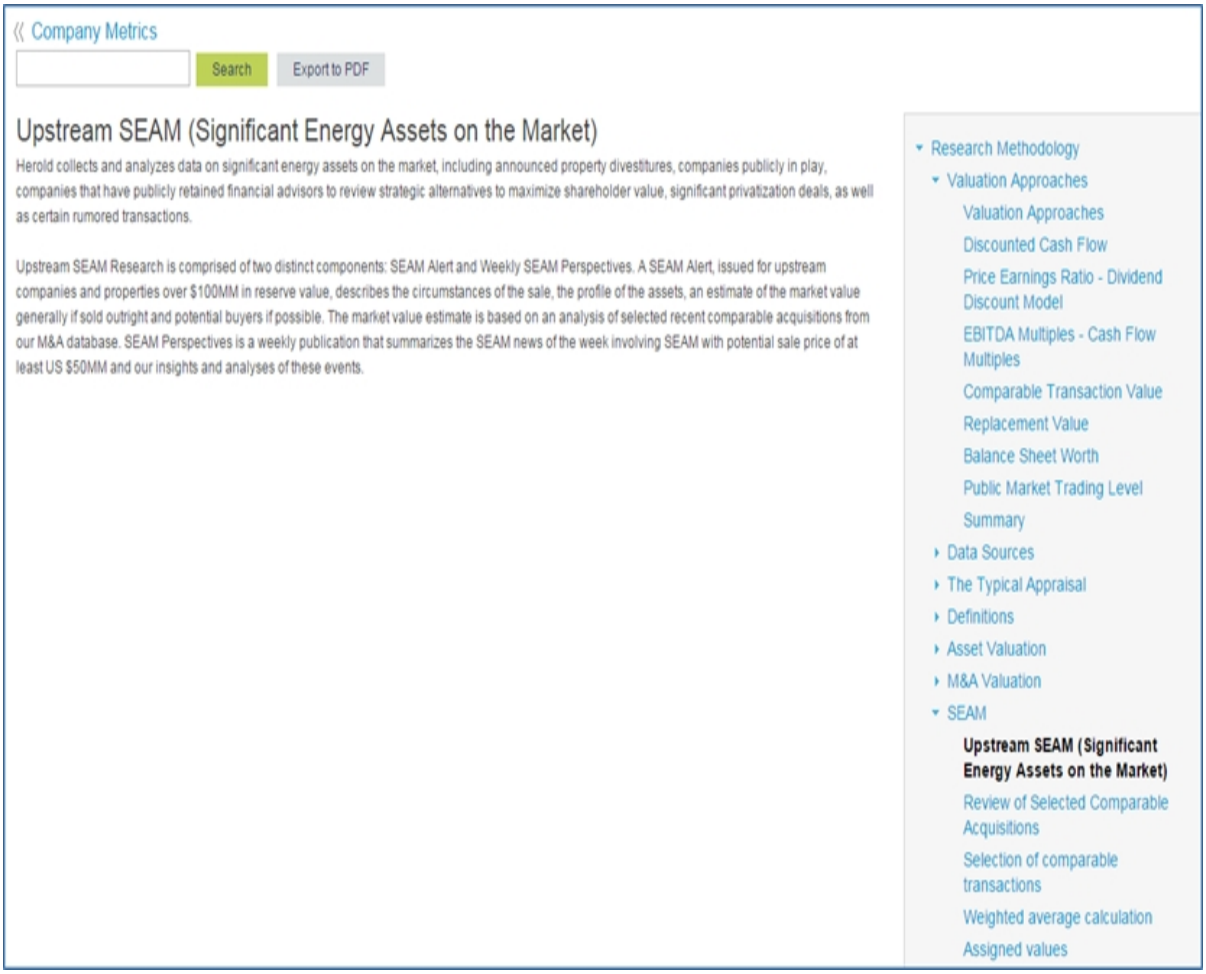


Note: M&A (Transaction Analysis) Line Items and Acronyms & Abbreviations are included in the definition page.



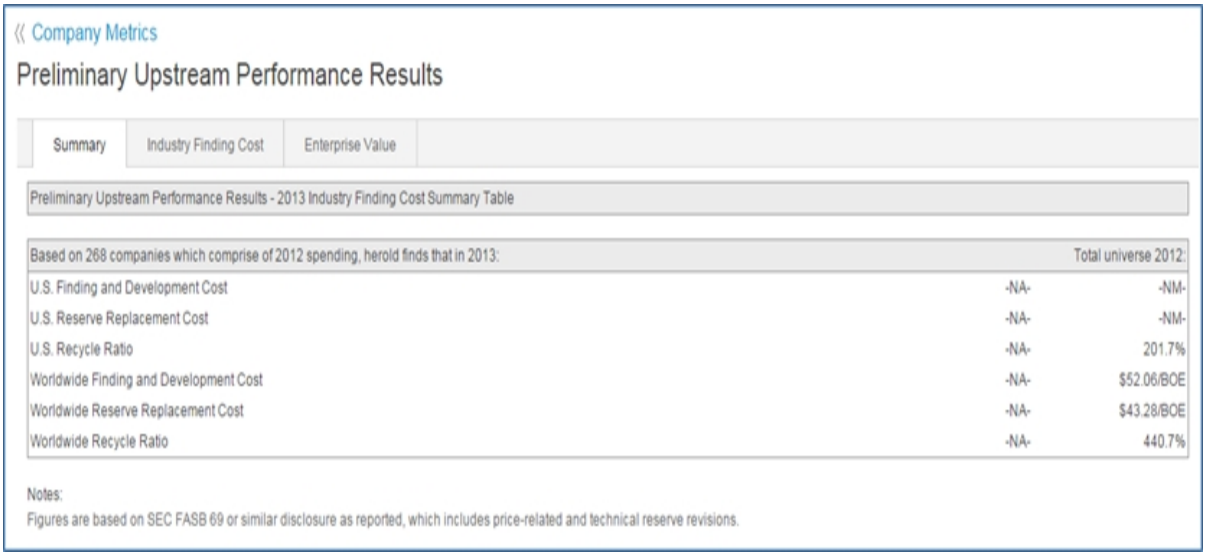
Herold Methodology

The Herold Methodology link takes you to a Research Methodology page with links to definitions about Valuation Approaches, Data Sources, The Typical Appraisal, Definitions, Asset Valuation, M&A Valuation, SEAM, Global Projects Insights, and Glossary. You can do a keyword search and export methodology pages to PDF.



Preliminary Upstream Performance Results

The Preliminary Upstream Performance Results link takes you to the latest listing of companies with annual data available through Company Metrics.



Searching with Quick Searches

You can search Company Metrics in two ways:

- The **Quick Searches** links take you directly to the results for data views that are compiled and maintained by analysts. Update the query with your companies of interest and these views will closely match those used daily by IHS Markit analysts in their assessments and benchmarking.
- Search takes you to a Create Query page. Here you can build a query using five filters (Company, Region, Line Item, Time, Currency).

Note: In addition, the links for Line item Definitions, Herold Methodology, and Preliminary Upstream Performance Results give you quick access to these materials.

This topic covers the following subjects:

- Quick Searches
- Saving a Search
- Sharing a Search
- Exporting a Search

Quick Searches

The Quick Searches links take you to pre-defined queries, including often used company metrics organized in three categories: Financial Statements, IHS Metrics, and Upstream Metrics.

Here you can find the following reports:

Financial Statements

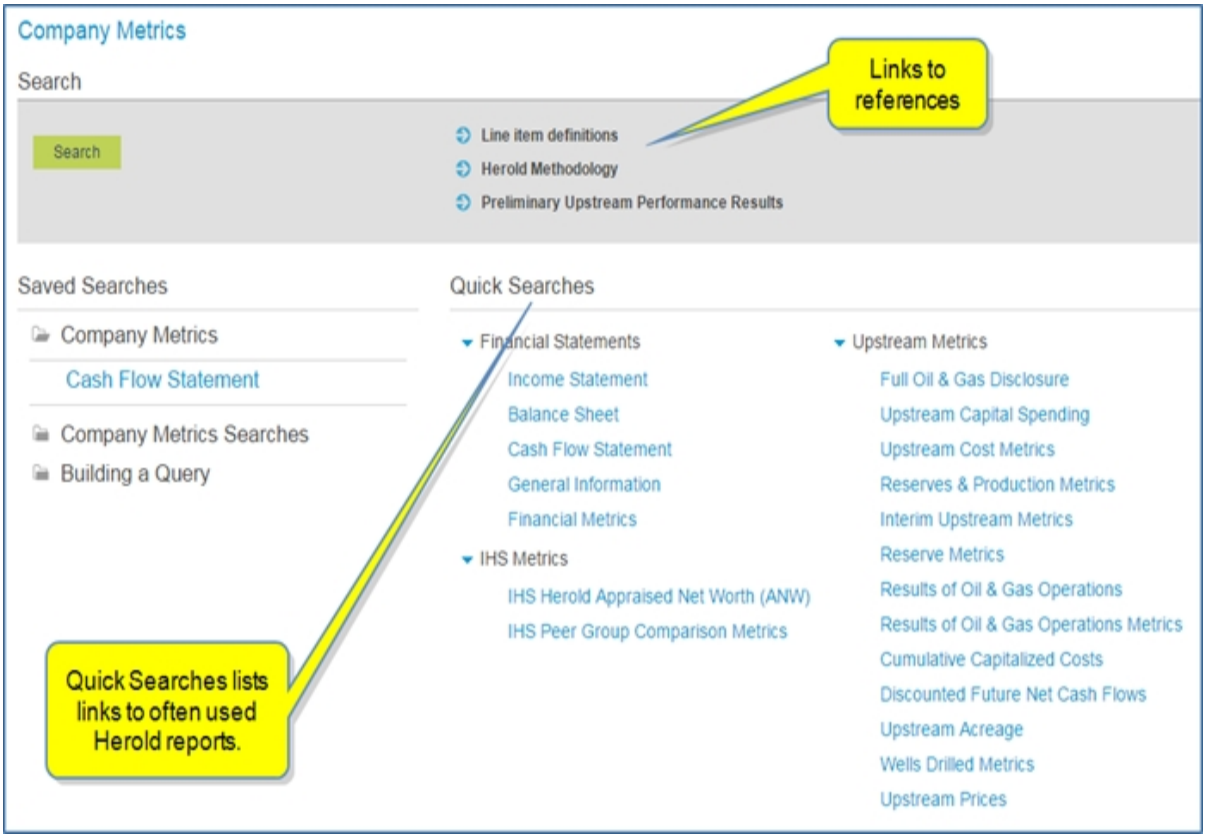
- Income Statement
- Balance Sheet
- Cash Flow Statement
- General Information
- Financial Metrics

IHS Metrics

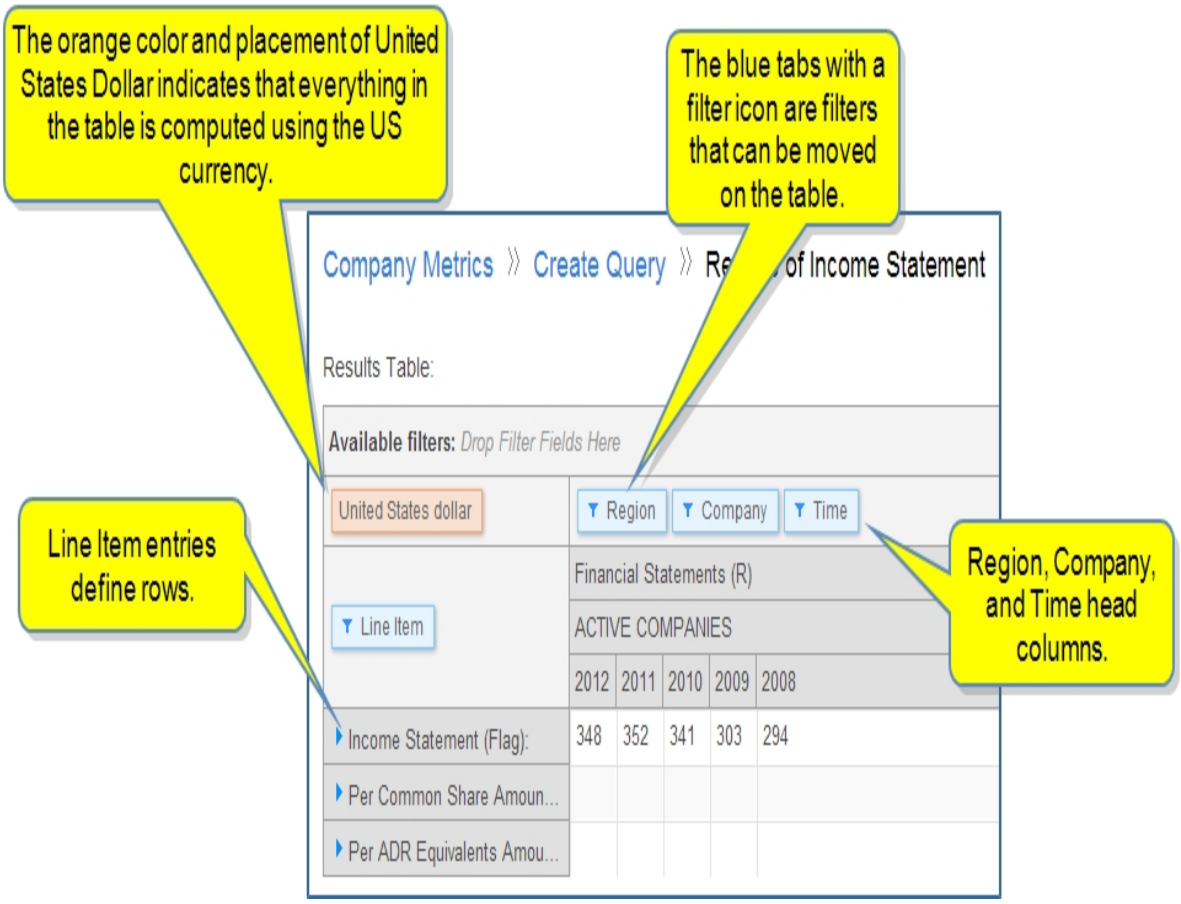
- IHS Herold Appraised Net Worth (ANW)
- IHS Peer Group Comparison Metrics

Upstream Metrics

- Full Oil & Gas Disclosure
- Upstream Capital Spending
- Upstream Cost Metrics
- Reserves & Production Metrics
- Interim Upstream Metrics
- Reserve Metrics
- Results of Oil & Gas Operations
- Results of Oil & Gas Operations Metrics
- Cumulative Capitalized Costs
- Discounted Future Net Cash Flows
- Upstream Acreage
- Wells Drilled Metrics
- Upstream Prices

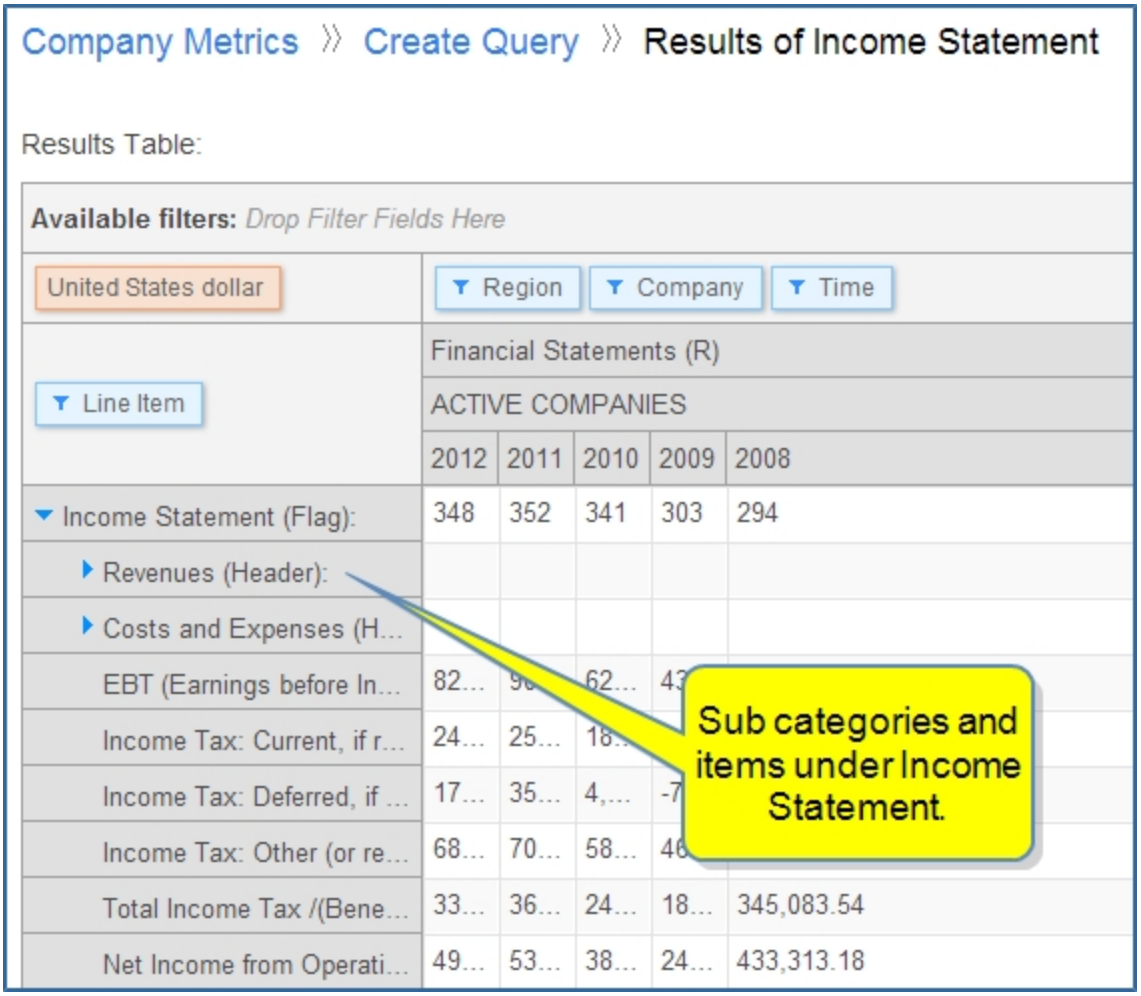


When you open Income Statement, for example, the Results Table is displayed highlighting the hierarchy and axis placement of filters.

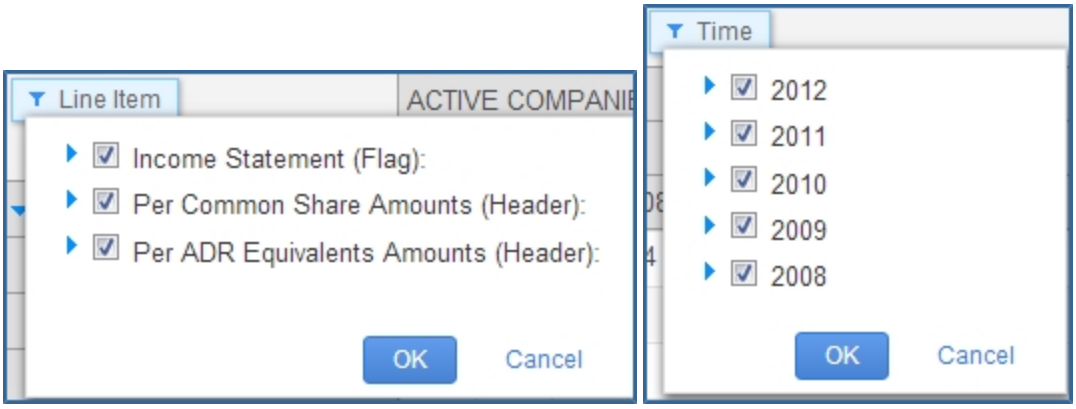


Note: For more information about moving filters on the Results Table, see Working with the Results Table.

When you click a right pointing arrow , the Line Item expands with more categories and choices.

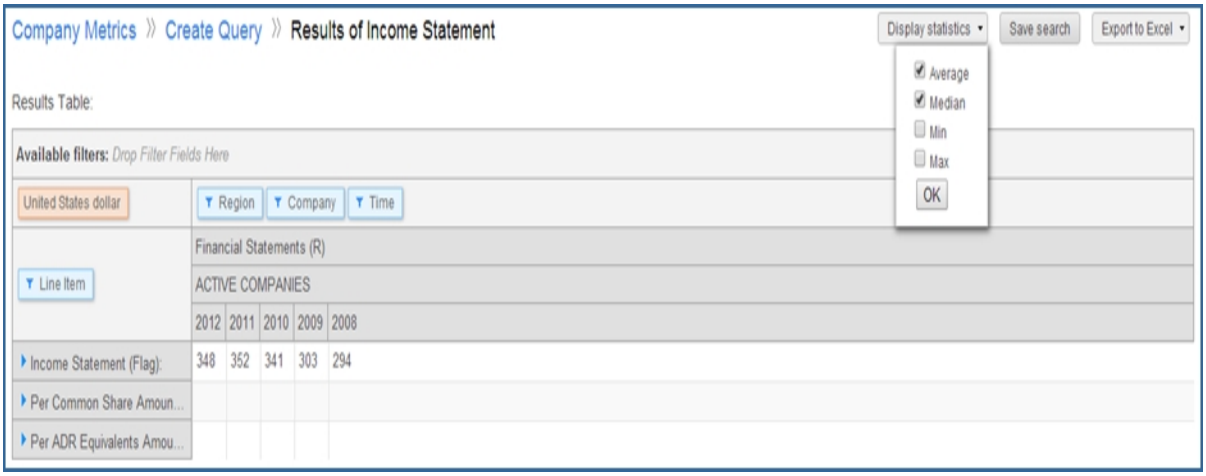


You can open a filter and, where available, choose the options you want displayed.

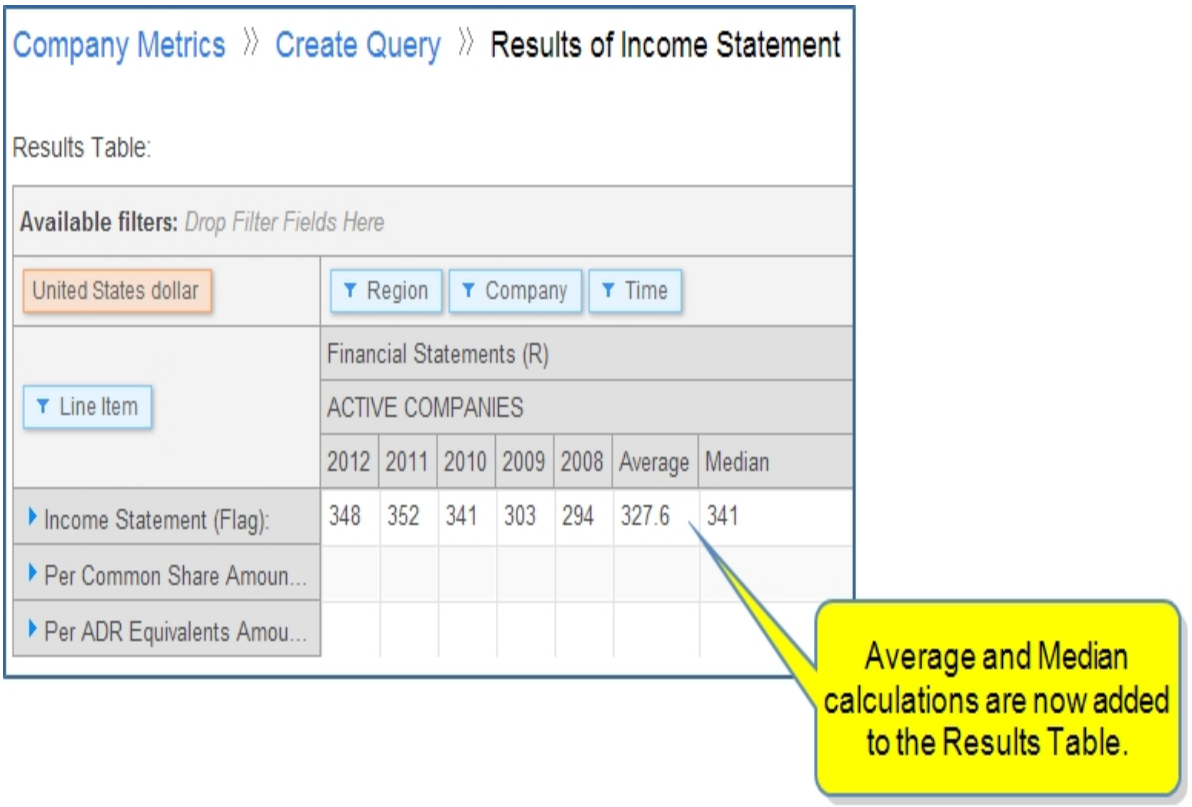


You can also

in the Results Table by selecting one or more options (Average, Median, Min, Max) from the drop-down list.

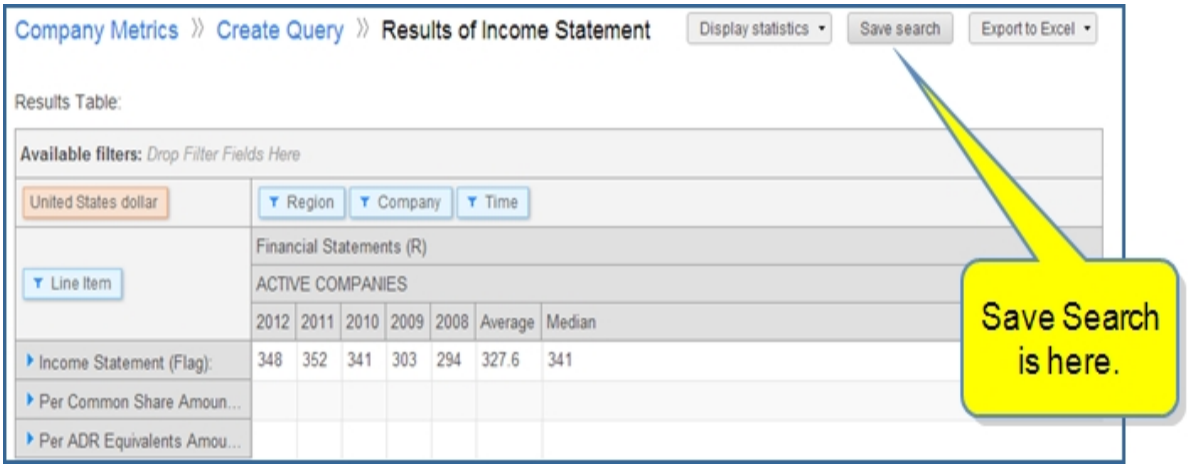


When you click **OK**, the Results Table displays additional columns that perform the functions you have selected.

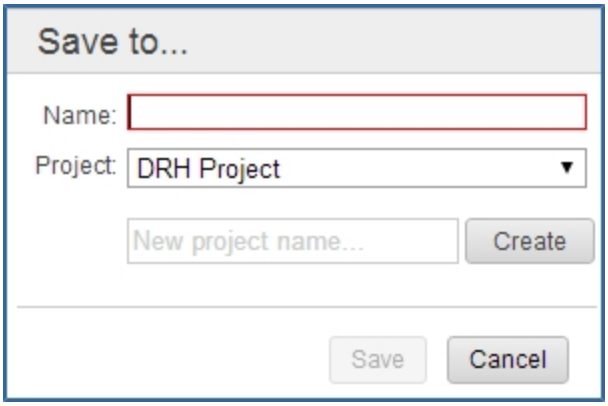


Saving a Search

To save a search, with the layout and criteria you have included in the Results Table, click **Save Search**.

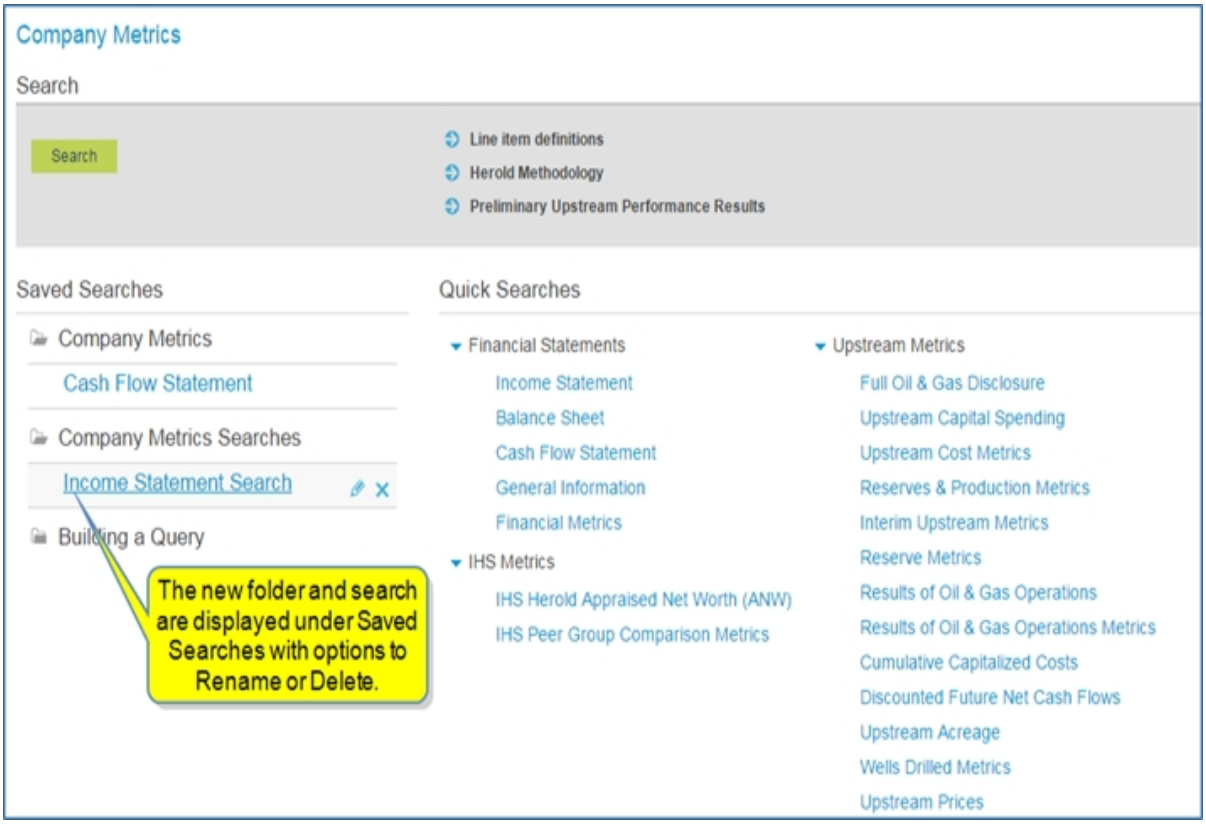


The ***Save To...*** dialog box is displayed.

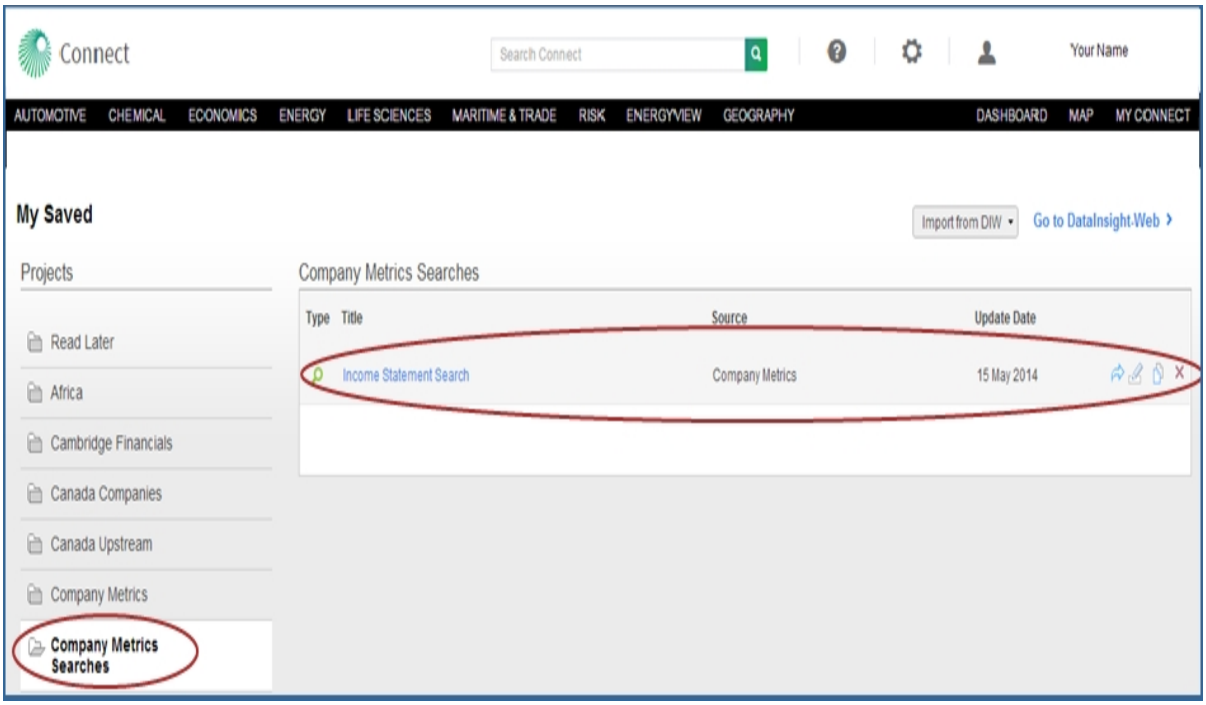


Name the search, select a Project, or create a new project name for the search, and then click **Save**. We'll name the search "Income Statement Search" and create a new folder called "Company Metrics Searches."

The saved search appears on the Company Metrics page with options to Rename or Remove when you hover over the link.



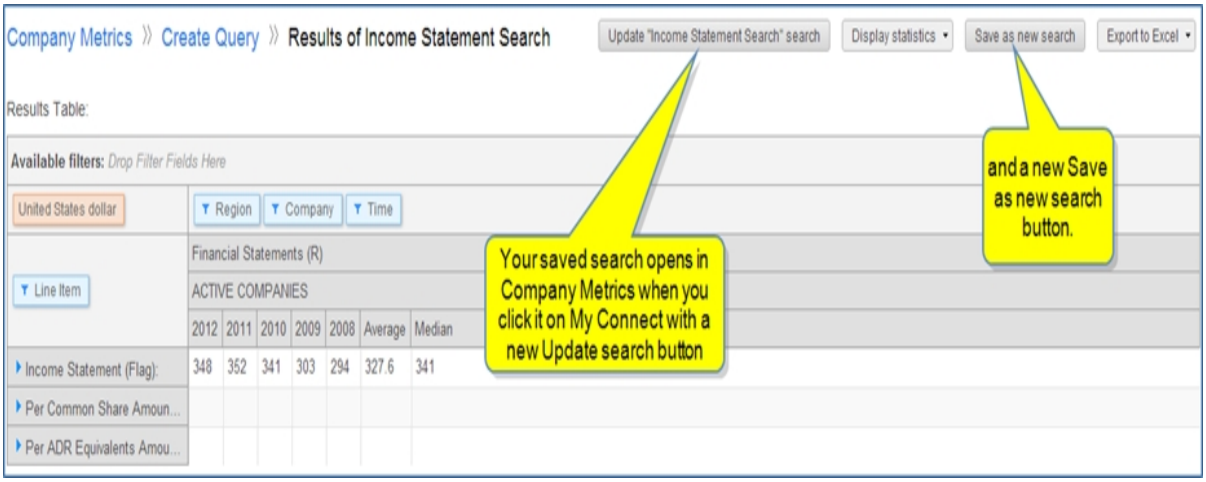
The saved search is also displayed on My Connect with options, as you hover, to Share, Edit Name, Copy to, or Remove.



When you rename the search, the new name appears on both the Company Metrics page and on My Connect.

When you remove the search, it is removed from both Company Metrics and My Connect.

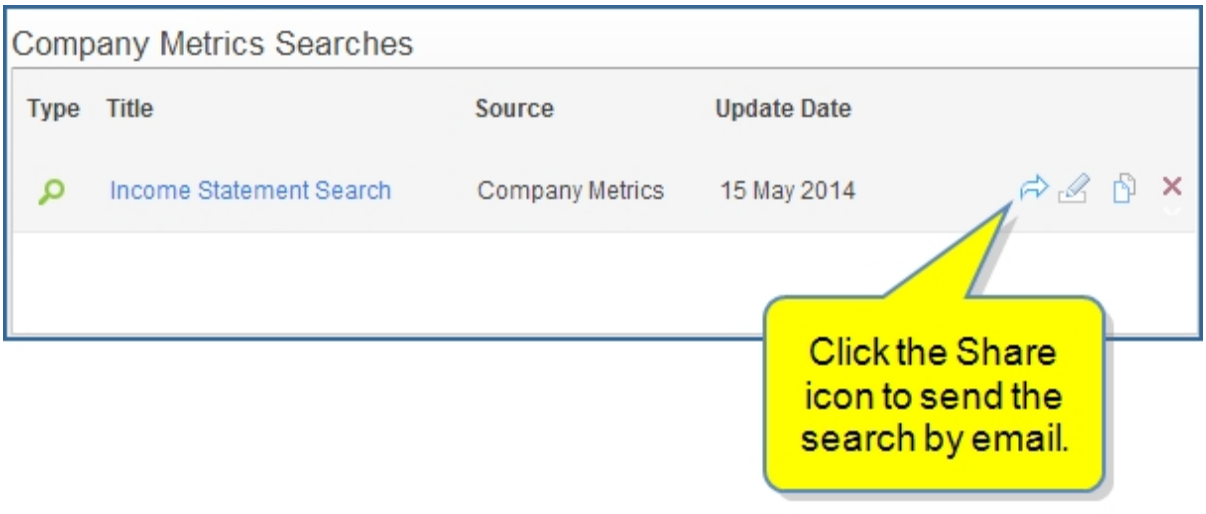
When you click the name of the search, the Results Table is displayed in Company Metrics with two new buttons Update "Income Statement Search" search and Save as new search.



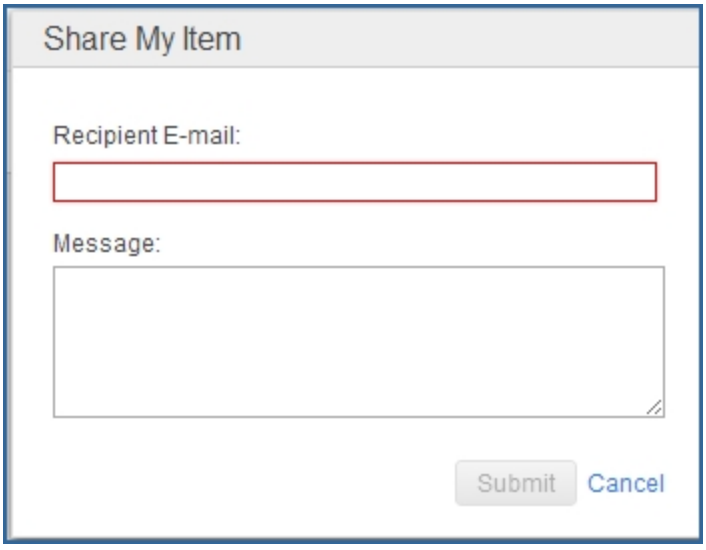
You can make changes to the Results Table, and then click the **Update search** button or make changes and **Save as new search**. The new update or new search is recorded on My Connect and the Company Metrics home page.

Sharing a Search

To share a search from My Connect by sending it through email, click the Share icon visible when you hover over any search.



The ***Share My Item*** dialog box opens.



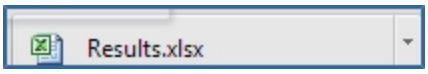
When you enter the Recipient E-Mail and your Message, the Submit button activates. Click **Submit** to send the message.

The Recipient will receive an email with contents like the following:

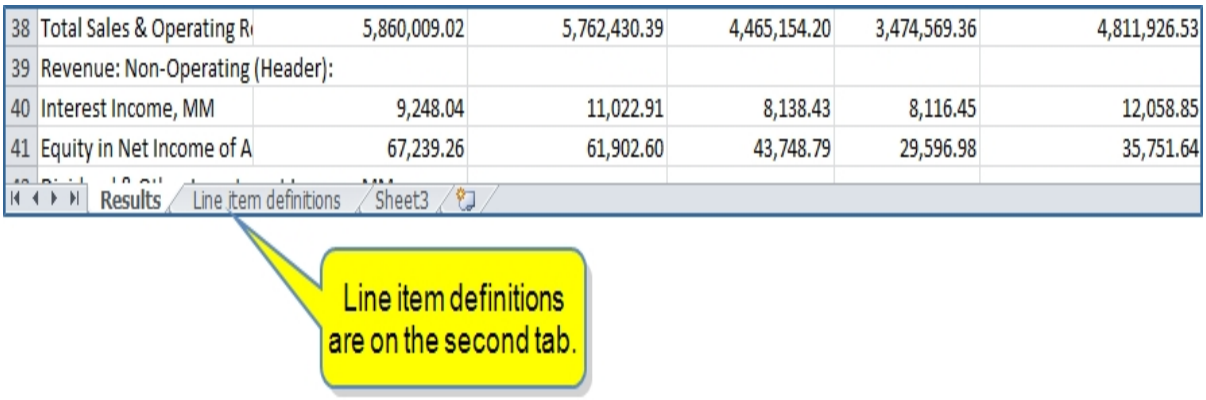
Exporting a Search

When you click the **Export to Excel** button on the Results Table, you can choose "With line item definitions" or "Without line item definitions." The results table will be exported with the layout as it appears on the screen.

Your export excel is displayed in the lower right corner.



When you open the Excel file, your search results are displayed on the first tab. If you selected "With line item definitions," the definitions are displayed on the second tab.



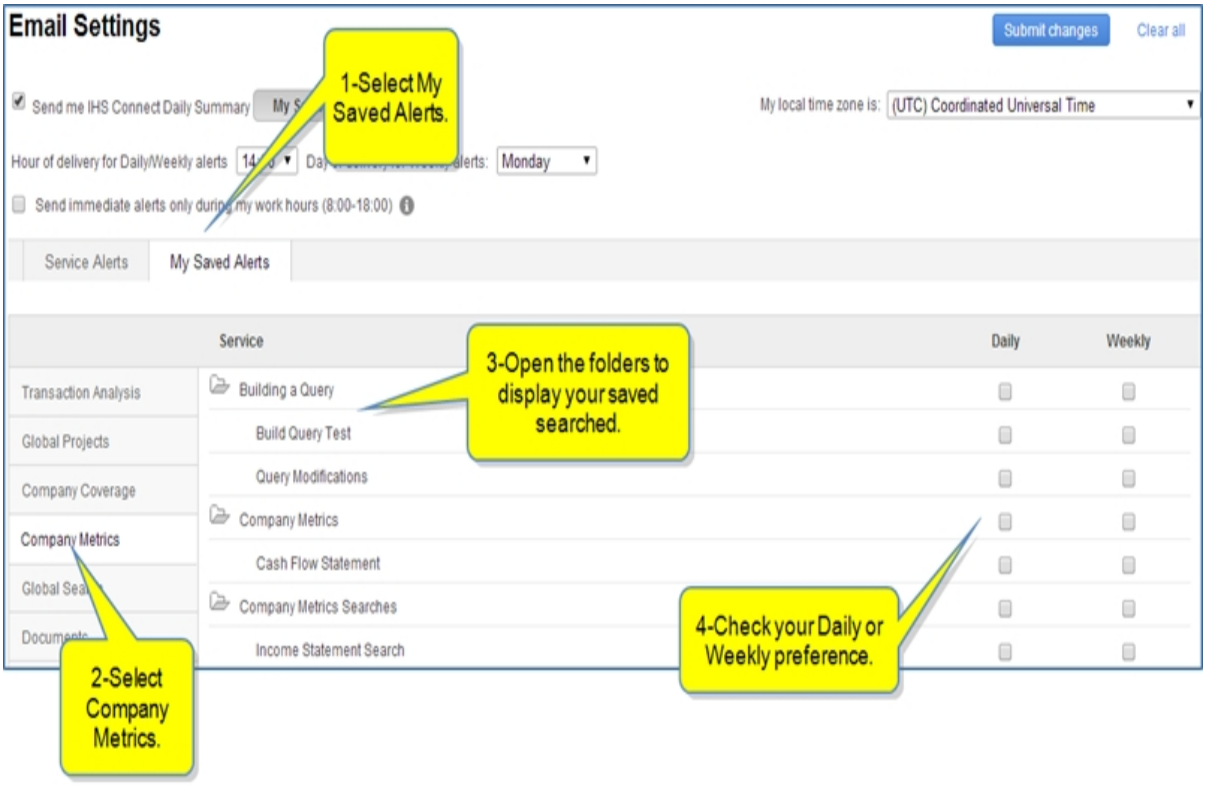
Setting email alerts for Company Metrics

For any Company Metrics saved search you can set daily or weekly alerts to be informed when a new time period of data is made available for any company in your saved search

The email alert settings are under the My Connect tab.

Select **My Saved Alerts**, **Company Metrics**, and then open any of the folders listed. The folders contain Company Metrics saved searches.

The Daily and Weekly options are to the right.



Working with the Results Table

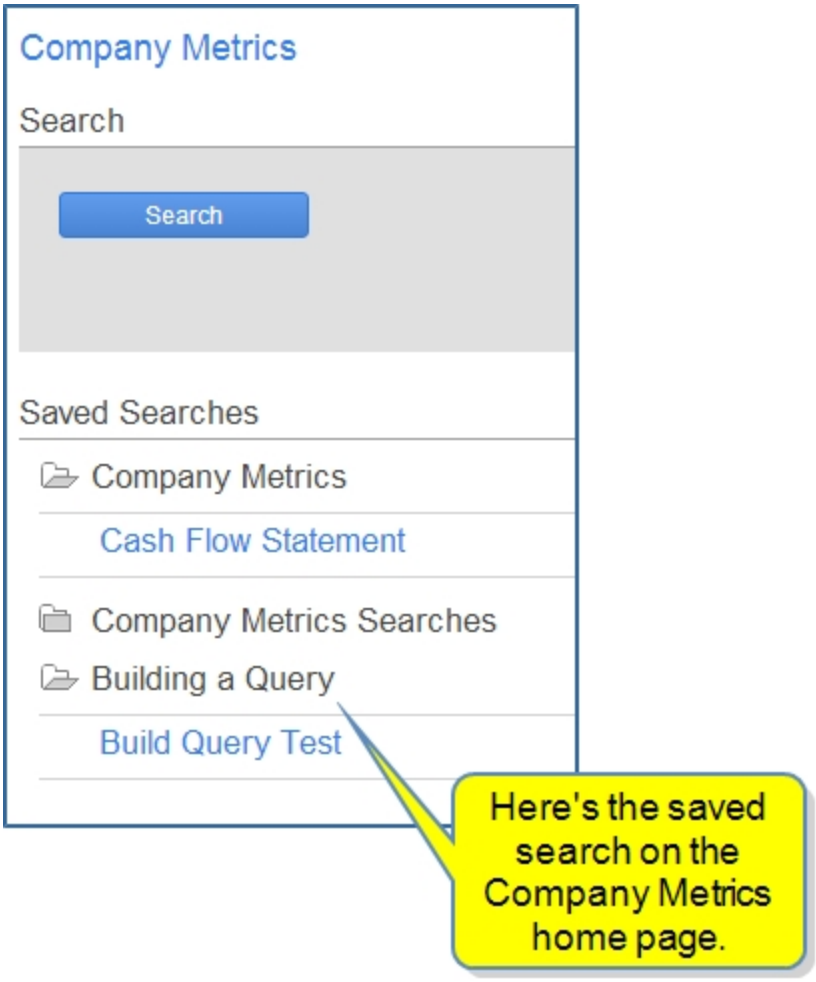
Once you've entered your search criteria in the five dimensions—Company, Region, Line Items, Time, and Currencies—submitted to Search, and received the results displayed in the Results Table, you can arrange elements of the Results Table several ways to optimally view the metrics.

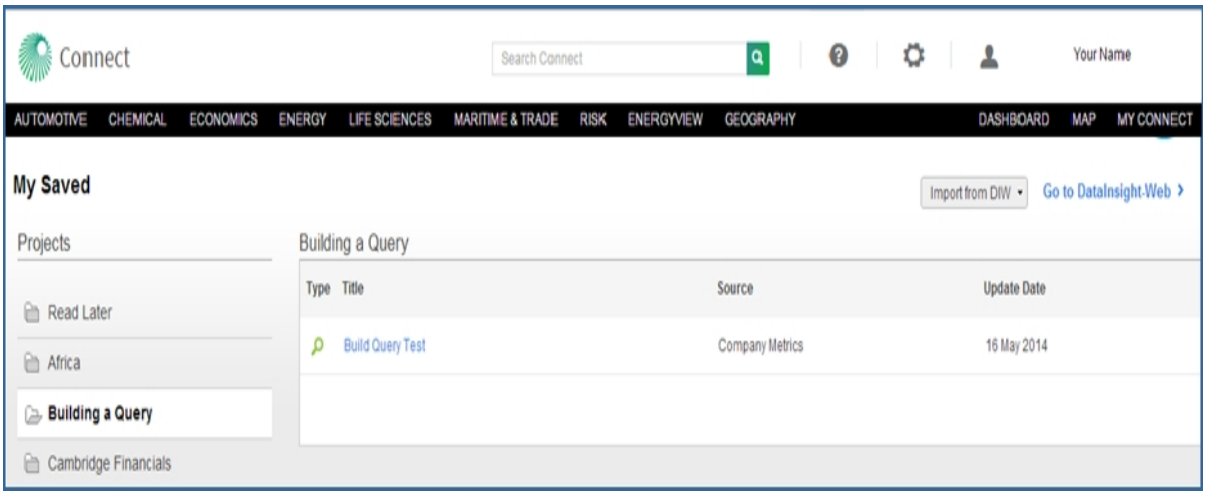
The following functions enhance or update search results:

- Arranging search criteria on the table
- Updating search
- Saving as a new search
- Exporting to Excel

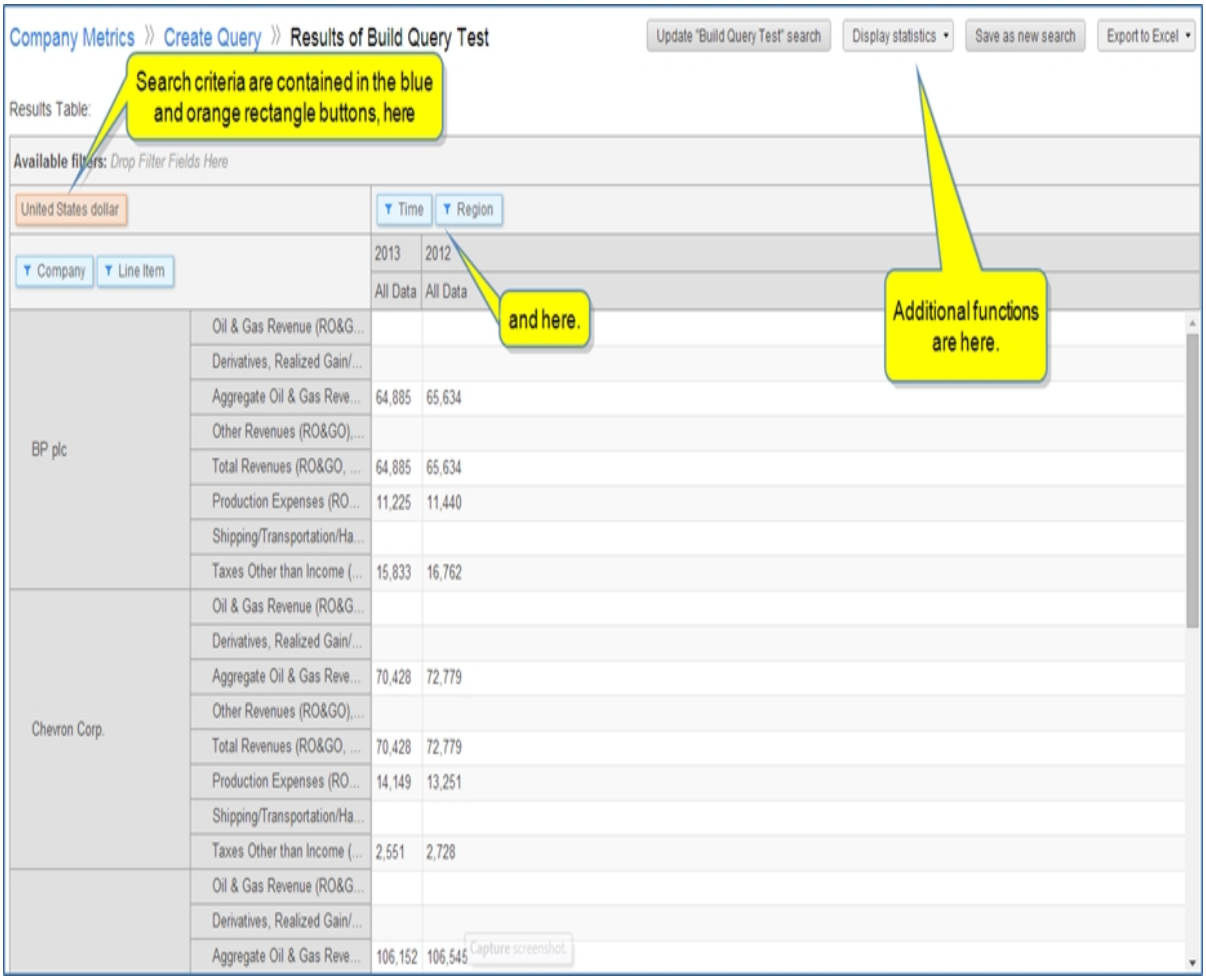
Note: It is recommended that you use Firefox or Chrome browsers when working with the Results Table.

The following Results Table uses the search criteria we entered when we built a search in the Building a query topic. Because we saved the search, it now appears on the Company Metrics home page and on My Connect as "Build Query Test" in the Building a Query folder.





Here's the Results Table for the saved query "Build Query Test."

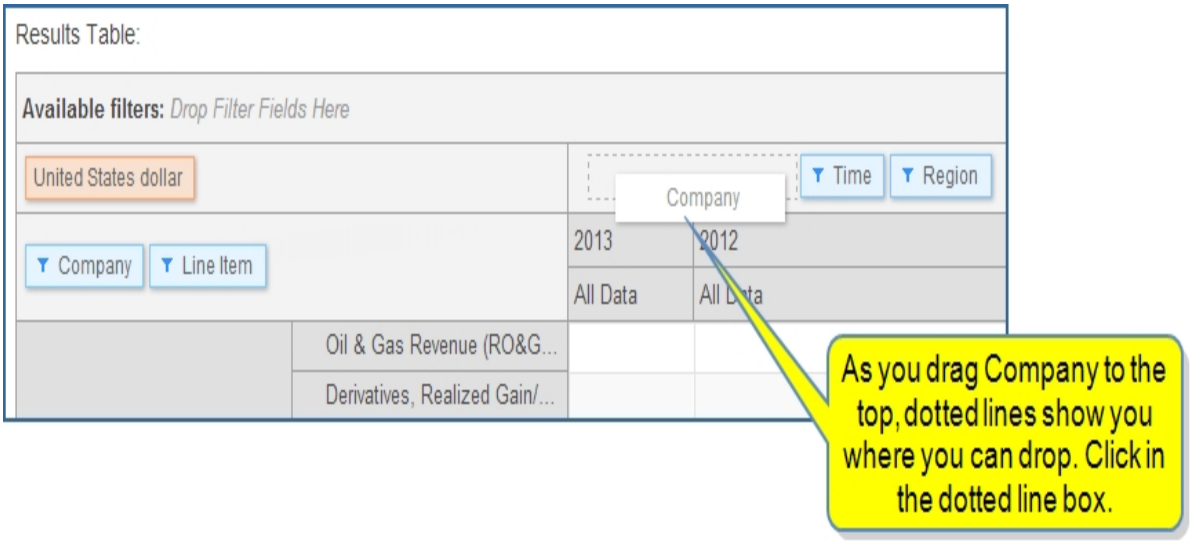


Arranging search criteria on the table

You can drag and drop the blue filter options to change the arrangement of your table.

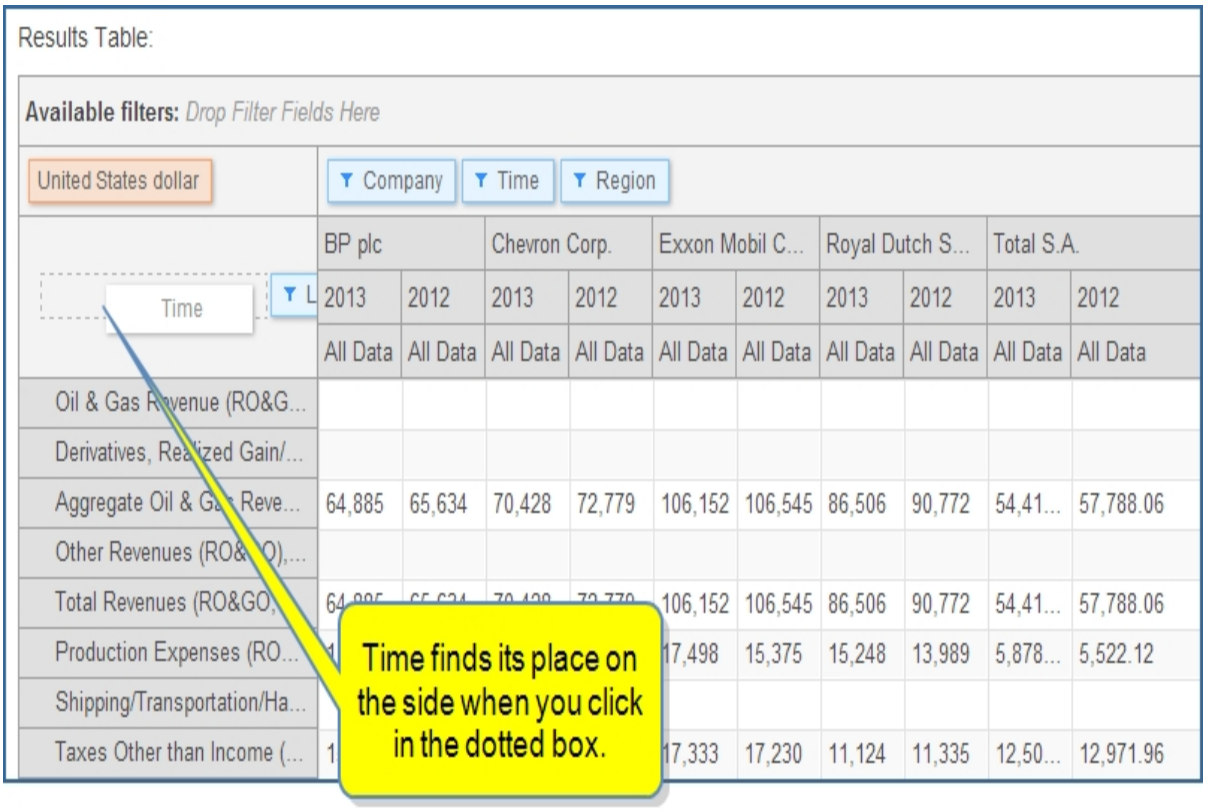
In the above example, the results show only two years of time segments. If you want to put the companies at the top (columns) and bring the Time segments along the side showing line items grouped by time, you can drag and drop Company to the top, wait for the information to populate, and then move Time to the first position along the side (rows).

You can also widen columns as we did with 2013 and 2012.



Repopulated, the columns now show Company as the top header, followed by Time, and then Region.

Next, you can move Time to the side to reorganize the rows.



Repopluated, line items are grouped by time.

Results Table:

Available filters: *Drop Filter Fields Here*

United States dollar		Company / Region				
Time / Line Item		BP plc	Chevr...	Exxo...	Royal...	Total S.A.
		All Data	All Data	All Data	All Data	All Data
2013	Oil & Gas Revenue (RO&G...					
	Derivatives, Realized Gain/...					
	Aggregate Oil & Gas Reve...	64,885	70,428	106,152	86,506	54,415.36
	Other Revenues (RO&GO),...					
	Total Revenues (RO&GO, ...	64,885	70,428	106,152	86,506	54,415.36
	Production Expenses (RO...	11,225	14,149	17,498	15,248	5,878.61
	Shipping/Transportation/Ha...					
	Taxes Other than Income (...	15,833	2,551	17,333	11,124	12,509.16
2012	Oil & Gas Revenue (RO&G...					
	Derivatives, Realized Gain/...					
	Aggregate Oil & Gas Reve...	65,634	72,779	106,545	90,772	57,788.06
	Other Revenues (RO&GO),...					
	Total Revenues (RO&GO, ...	65,634	72,779	106,545	90,772	57,788.06
	Production Expenses (RO...	11,440	13,251	15,375	13,989	5,522.12
	Shipping/Transportation/Ha...					
	Taxes Other than Income (...	16,762	2,728	17,230	11,335	12,971.96

To get the full name of a line item, hover the mouse.

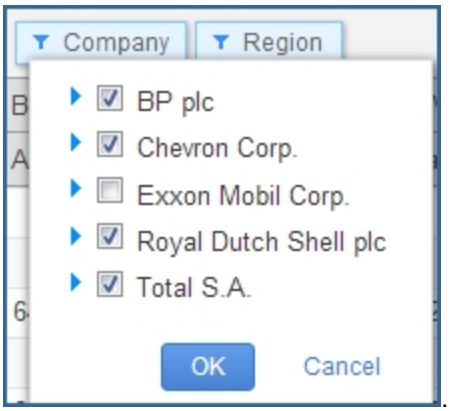
You can also spread out the company names by pulling the column margins with your mouse.

Company / Region				
BP plc	Chevron Corp.	Exxon Mobil ...	Royal Dutch Shell plc	Total S.A.
All Data	All Data	All Data	All Data	All Data

The Company Metrics tool respects the hierarchy in the headings, so if you move Region in front of Company, the Region is displayed on top with the companies underneath.

Note: You have complete flexibility when arranging filter icons. If you move Region to the side, for example, you will have another column and row view.

You can also further filter data in the Results Table. For example, to remove Exxon Mobil Corp. from the companies listed, click the down arrow for Company. Then uncheck Exxon Mobil Corp. and click **OK**



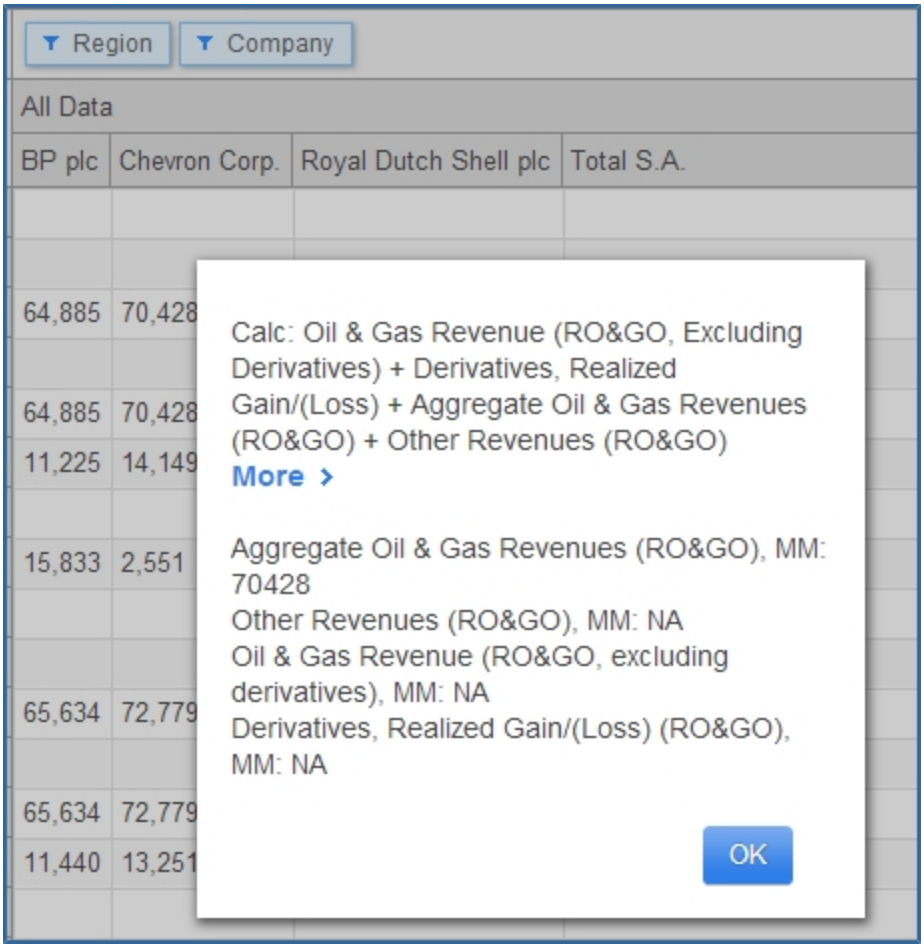
The Results Table repopulated removing Exxon Mobil Corp.

Results Table:

Available filters: *Drop Filter Fields Here*

United States dollar		Company / Region			
Time / Line Item		BP plc	Chevron Corp.	Royal Dutch Shell plc	Total S.A.
		All Data	All Data	All Data	All Data
2013	Oil & Gas Revenue (RO&G...				
	Derivatives, Realized Gain/...				
	Aggregate Oil & Gas Reve...	64,885	70,428	86,506	54,415.36
	Other Revenues (RO&GO),...				
	Total Revenues (RO&GO, ...	64,885	70,428	86,506	54,415.36
	Production Expenses (RO...	11,225	14,149	15,248	5,878.61
	Shipping/Transportation/Ha...				
	Taxes Other than Income (...	15,833	2,551	11,124	12,509.16
2012	Oil & Gas Revenue (RO&G...				
	Derivatives, Realized Gain/...				
	Aggregate Oil & Gas Reve...	65,634	72,779	90,772	57,788.06
	Other Revenues (RO&GO),...				
	Total Revenues (RO&GO, ...	65,634	72,779	90,772	57,788.06
	Production Expenses (RO...	11,440	13,251	13,989	5,522.12
	Shipping/Transportation/Ha...				
	Taxes Other than Income (...	16,762	2,728	11,335	12,971.96

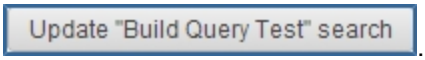
You can double click any results cell to get the line item definition. If the metric is calculated, the definition will also include the values for the given company, region, and time for the metrics that are included in that calculation.



Clicking **OK** closes the box. **Clicking More >** takes you to the Line Item Definitions page.

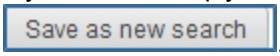
Updating search

Once you've made changes to a saved search, you can update that search by clicking the Update search button. In this example, the button includes the name of our saved search.

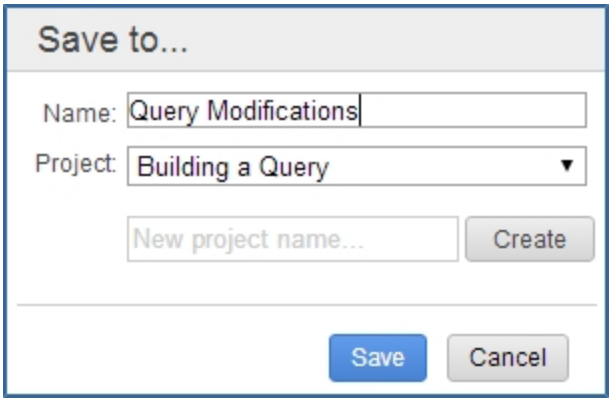


The changes we've made will now be part of the saved search.

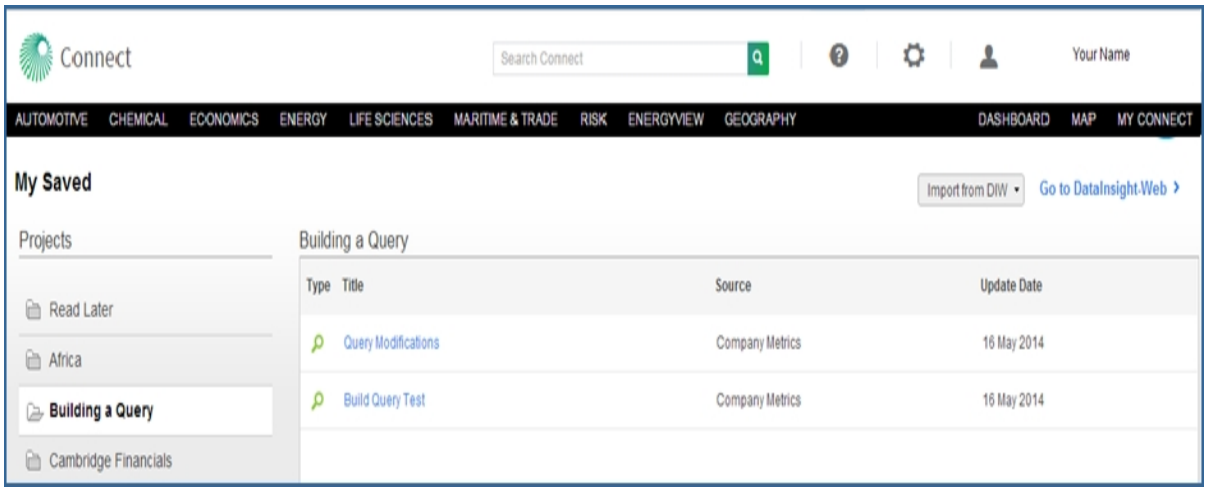
Saving as a new search

If you want to keep your saved search and give a new name to the modifications you've made, click the 

. In this example, we'll give the search a new name,"Query Modifications," and save it to the same folder, "Building a Query."



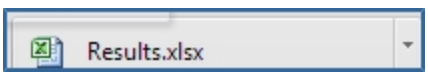
The new search, along with the original saved search, appears on the Company Metrics home page and in My Connect.



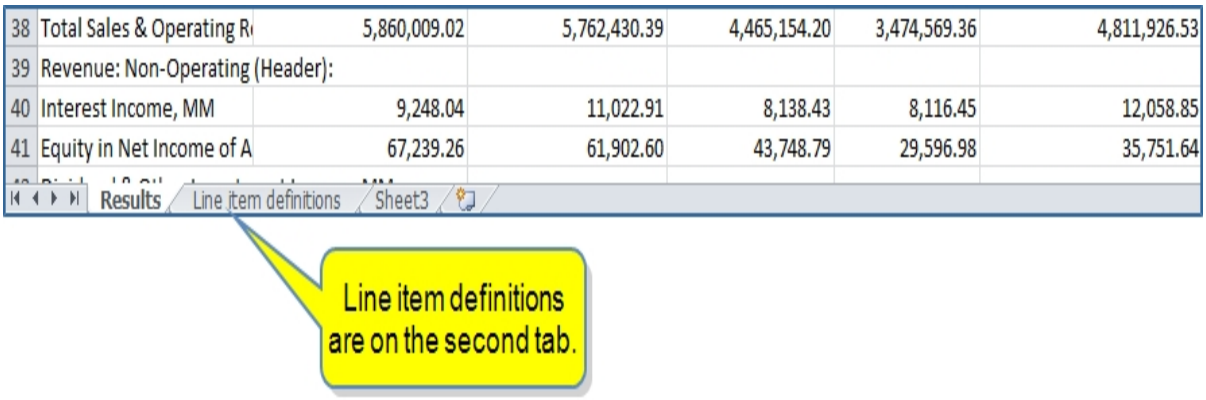
Exporting to Excel

When you click the **Export to Excel** button on the Results Table, you can choose "With line item definitions" or "Without line item definitions." The results table will be exported with the layout as it appears on the screen.

When you click the **Export to Excel** button on the Results Table, you can choose "With line item definitions" or "Without line item definitions." The results table will be exported with the layout as it appears on the screen.



When you open the Excel file, your search results are displayed on the first tab. If you selected "With line item definitions," the definitions are displayed on the second tab.



Cost Analyzer

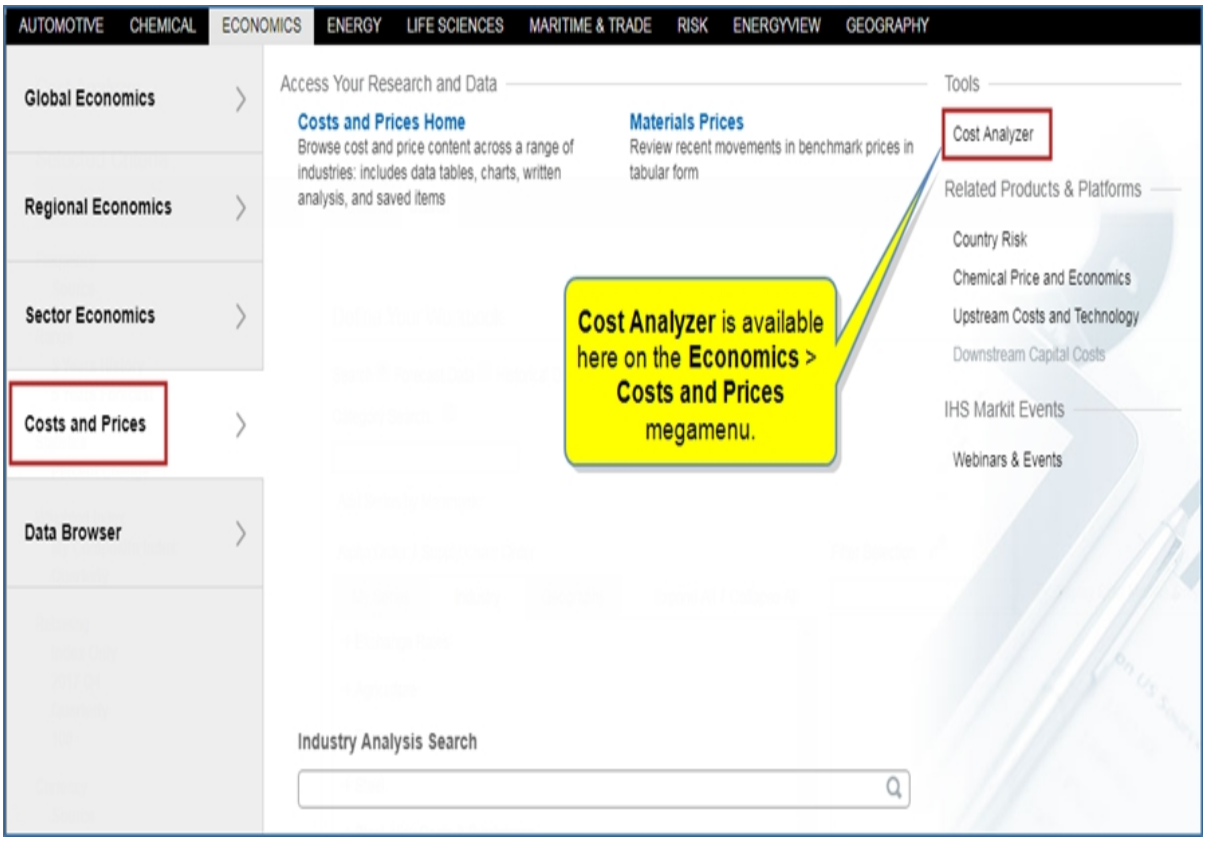
About Cost Analyzer

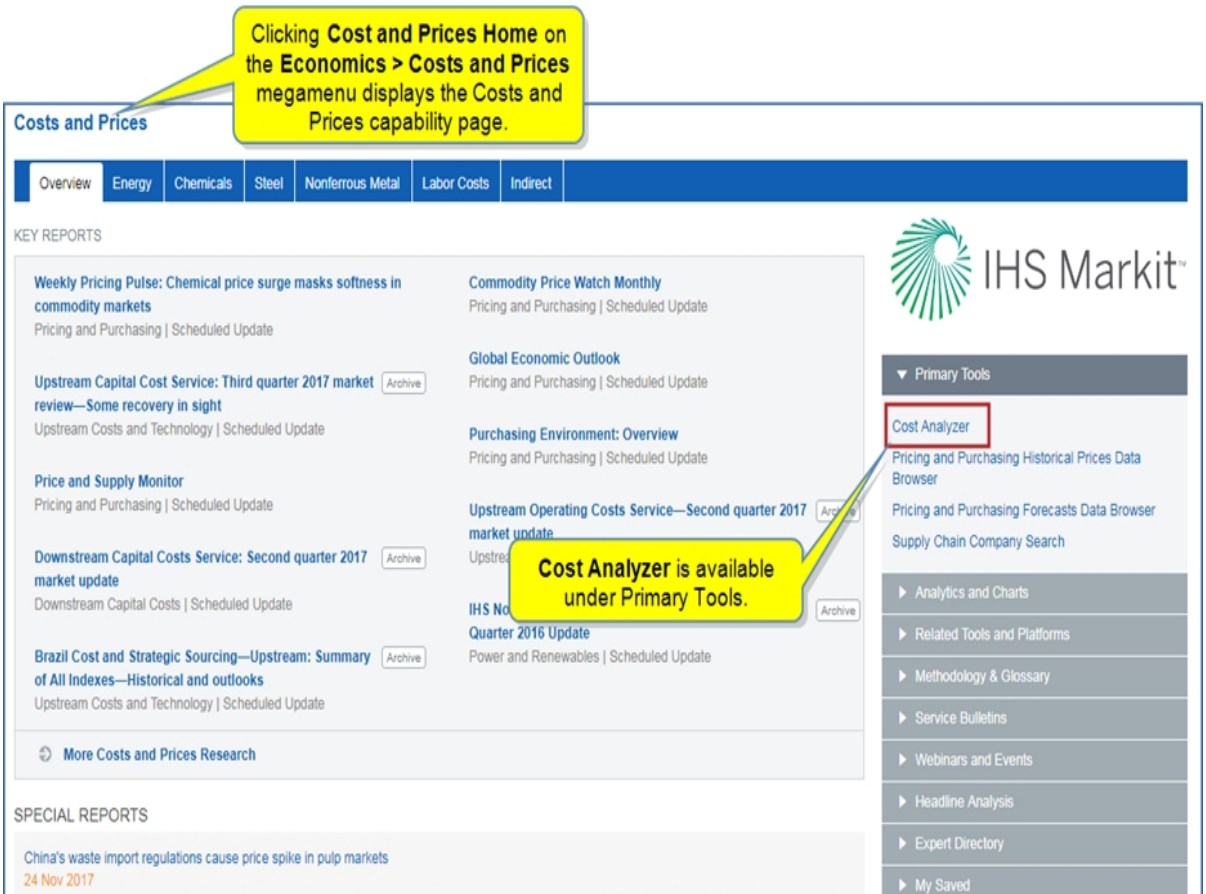
The Cost Analyzer tool gives you the ability to review cost and price data from the Pricing & Purchasing Service (PnP). The flexibility of the tool allows you to analyze prices, identify underlying costs, build cost models, and see how costs and prices will change up to 10 years into the future. Identify cost savings when procuring equipment, commodities, materials, chemicals, machinery, electronics, and much more with an agile interface that is flexible and easy-to-use.

Cost Analyzer provides access to thousands of global prices and wages allowing you to construct and save cost models that track product and input cost escalation. Use the consolidated search for forecasts detailing spot market prices, producer and consumer price indexes, and wages. You can easily build custom cost models and view or edit pre-populated cost models.

Once you create a model, you can store it on My Connect and share with colleagues.

There are two ways to access the Cost Analyzer tool. Access **Cost Analyzer** from **Economics** and the **Costs and Prices** segment on the megamenu. **Cost Analyzer** appears under Tools in the right pane of the megamenu. Also, when you select **Costs and Prices Home** from the megamenu, **Cost Analyzer** appears under Primary Tools on the right pane.

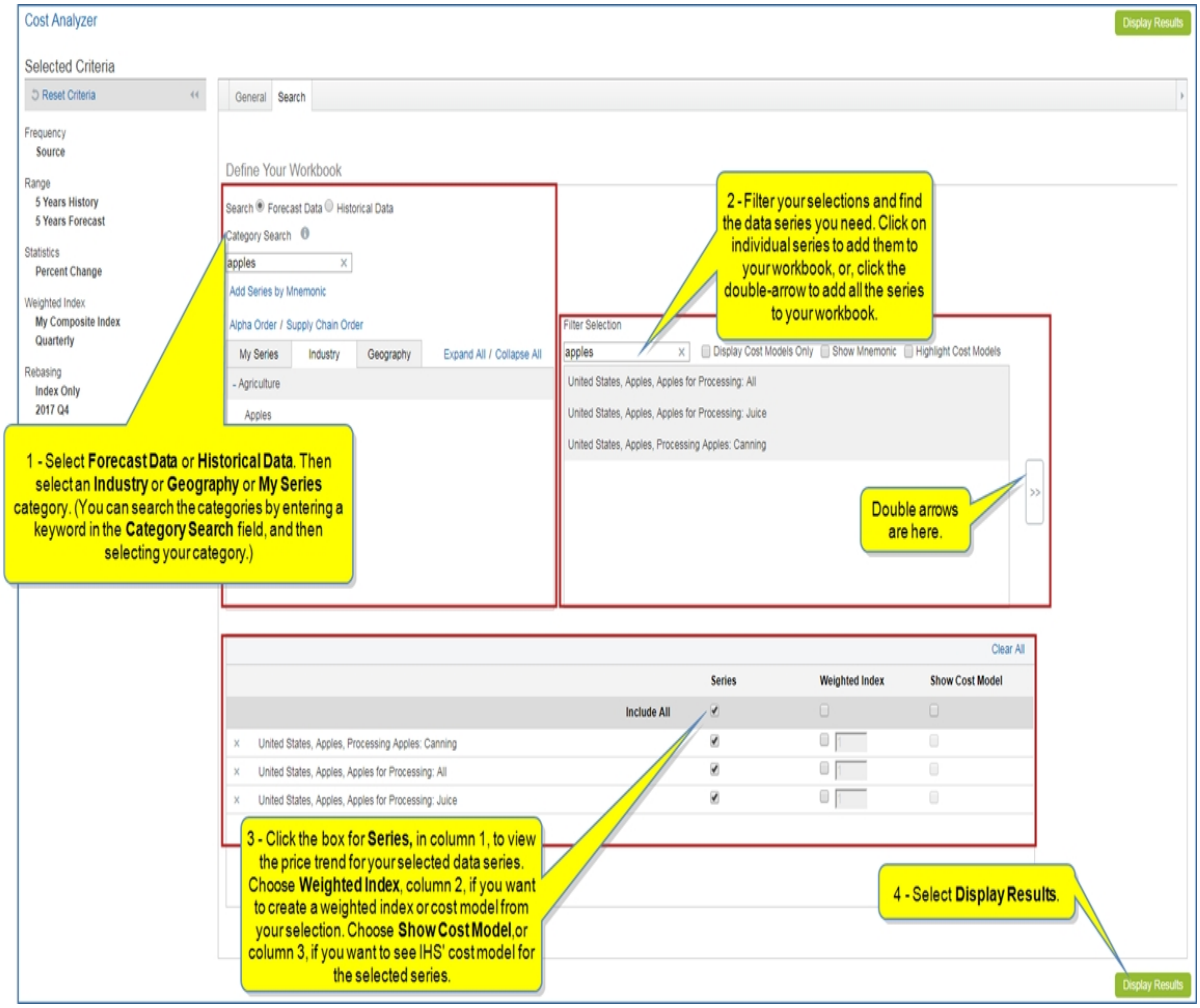




Cost Analyzer opens to a **Search** tab on the main pane. The work area contains a **General** and **Search** tab. **Search** is the default—**General** allows you to change the search criteria if you want to change frequency, range, or settings for your weighted index. (See Creating a Cost Analysis workbook for more information about the General tab.)

To create a cost analysis workbook, there are three steps. First, select an **Industry** or **Geography** where you want to search. You can also select from **My Series** if you want to include series data you have saved.

Next, search for individual data series within **Industry**, **Geography**, or **My Series**. Finally, determine what you want to do with the series you have selected.



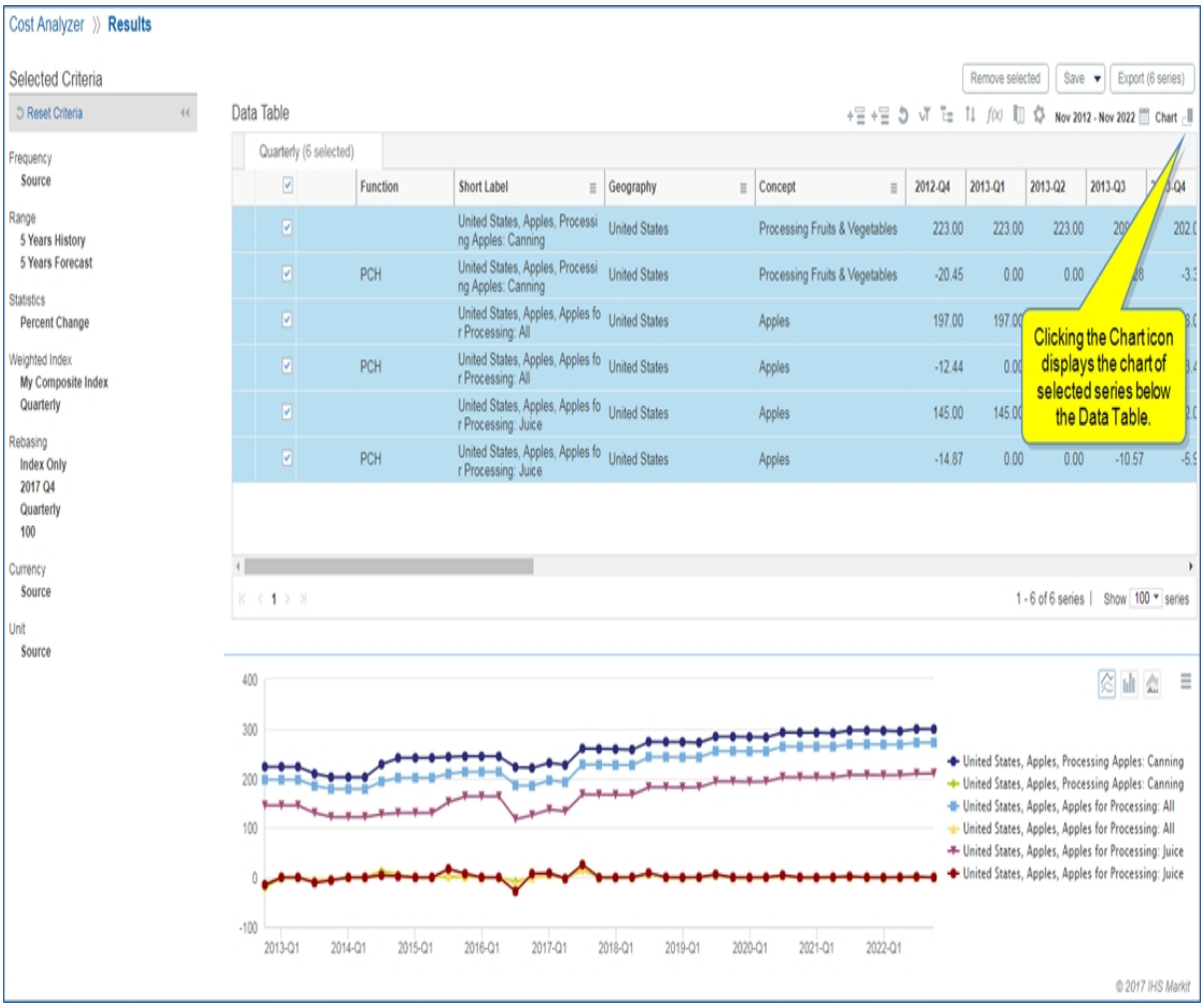
Parameters to note:

- If you have access to Historical Data, you may view groups of data named for particular databases in your company.
- When using a keyword search, keep your keyword to the category level—use keywords like "Steel," not "CRC Spot Price."
- Most geography choices are country specific, but there are some regional prices, particularly for areas with open trade, like the European Union. As well, many prices are considered World prices, if they are

global benchmarks. This is where you will find series like Aluminum prices on the London Metal Exchange.

- When you select a category or sub-category in the first box, the individual data series assigned to that category populate in the second box. You may view many series and want to filter the selection by entering a type. (See Creating a Cost Analysis workbook for more detail about filtering choices.)
- The third box displays a list of all the data series that will be in your workbook. The first column, **Series**, is the default and governs whether you will see the time series price trend for that concept. The second column, **Weighted Index**, governs whether you want to include the concept in a weighted index or cost model of your determination. The third column, **Show Cost Model**, governs whether you want to see IHS Markit' estimation of costs associated with the index.
- Not all concepts will have an IHS Markit determined cost model. For example, if you select this option for a metallurgical alloy, you will view the alloy cost breakdown of producing that alloy. If you select this item for other concepts, like manufactured goods, you will see an estimate of production costs associated with manufacturing the item.

When you click Display Results, the series and chart are displayed.



To view an example with more detail, see Creating a Cost Analysis workbook.

To review ways to work with results in the Data Table and Chart, see Viewing Cost Analysis query results.

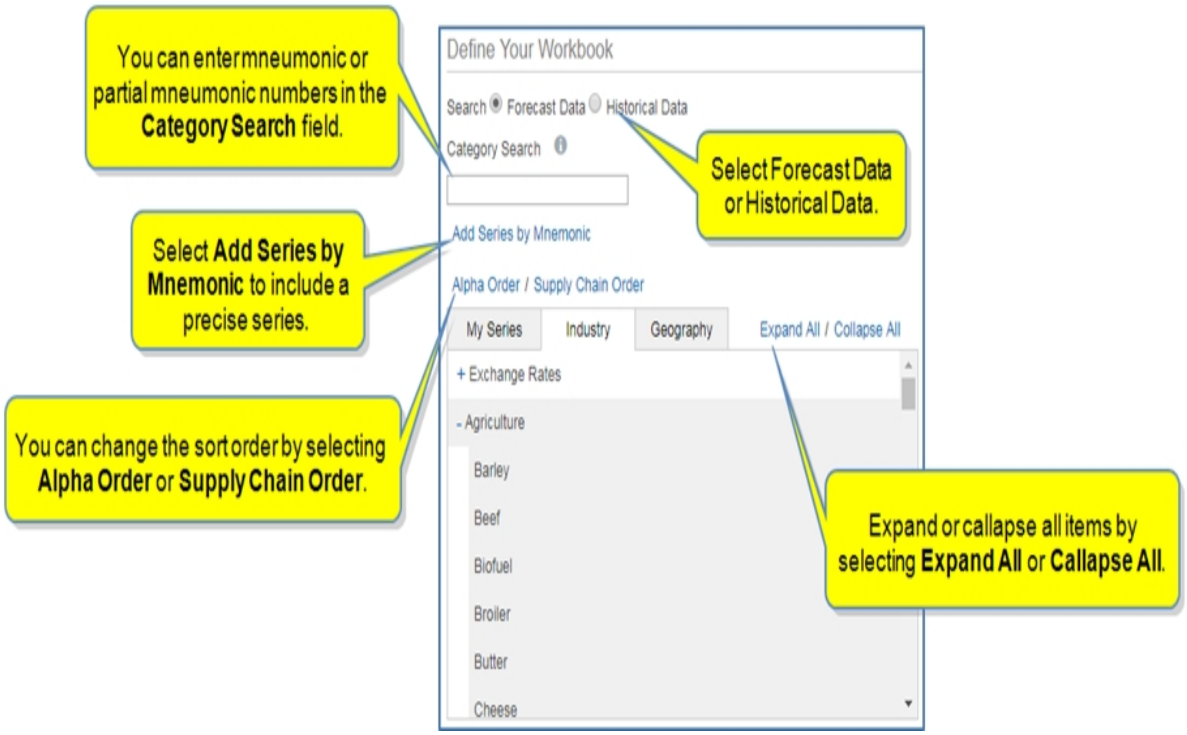
Creating a Cost Analysis workbook

Once you create a Cost Analysis workbook, you can manipulate and analyze the data selected. When you save results in My Connect, you can retrieve your workbook and modify data in the Cost Analysis tool.

To create a Cost Analysis workbook

1. Access the Cost Analyzer tool from the Economics megamenu > Costs and Prices segment or from the Cost and Prices Home page. In each case the Cost Analyzer tool is listed as a tool in the right pane.

2. Select **Forecast Data** or **Historical Data**.



You are searching for price or cost data in this pane. You can search by browsing an Industry or Geography category—expand and collapse categories with the plus and minus signs or by using the **Expand all / Collapse all** link. In addition, you can select form saved items saved in My Series.

You can also enter a keyword, a mnemonic, or partial mnemonic code in the **Category Search** box. When using a keyword search, keep your keyword to the category level—use keywords like "Steel," not "CRC Spot Price."

Note: Using a mnemonic code to select an industry allows you to directly display, for example,

fabricated metals (using 332 as the industry code).

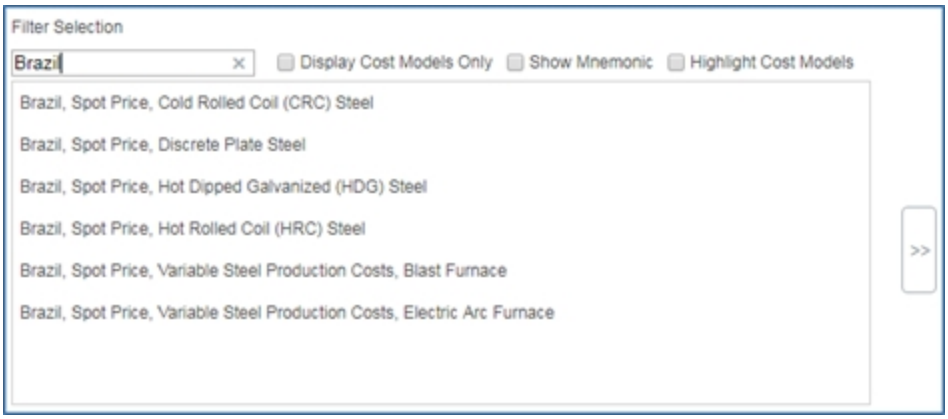
For guidance using Category Search, click the Information icon next to **Category Search**.

> This search tab is optimized for users to browse the data and find the right forecast or historic data concept. Use the category search box to find industry categories or geographies of interest. The phrase will also work for your uploaded series in "My Series" tab. For example, you can search for "Steel" or "Polyethylene" in the Industry tab, or "Europe" or "China" in the Geography tab. Searches for specific grades of materials, for example "HDPE" or "A668" will not be successful in this tab. First select the category (Polyethylene or Steel Alloys), then filter the results to find these specific grades. To search for a specific data series by mnemonic or keyword, use the Advanced Search tab.

3. Enter **Steel** in the Category Search box, and then select that category. The filter pane populates with series for the selection.

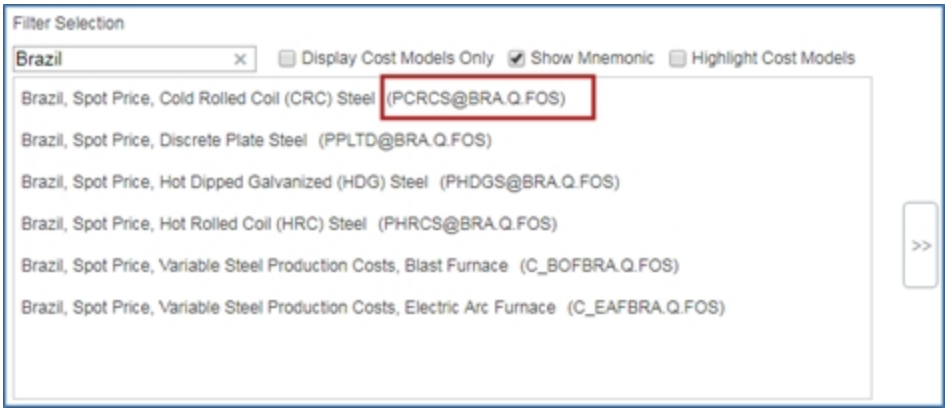
4. Enter **Brazil** in the **Filter selection** box.

   Because there are many results, filtering further by geography or type focuses and reduces the list. **Filter selection** allows you to search for individual data series within your selection.

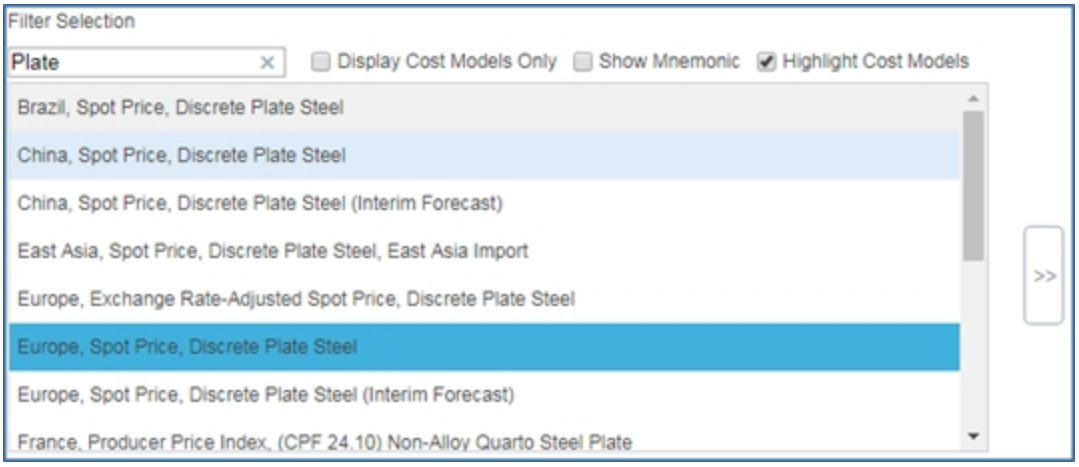


You have further filtering options with **Display Cost Models Only**, **Show Mnemonic**, and **Highlight Cost Models**. Selecting **Display Cost Models Only** lists only those series for which an IHS Markit Cost Model is available. Not all series have an IHS Markit Cost Model available in the tool—you may or may not get results with this filter.

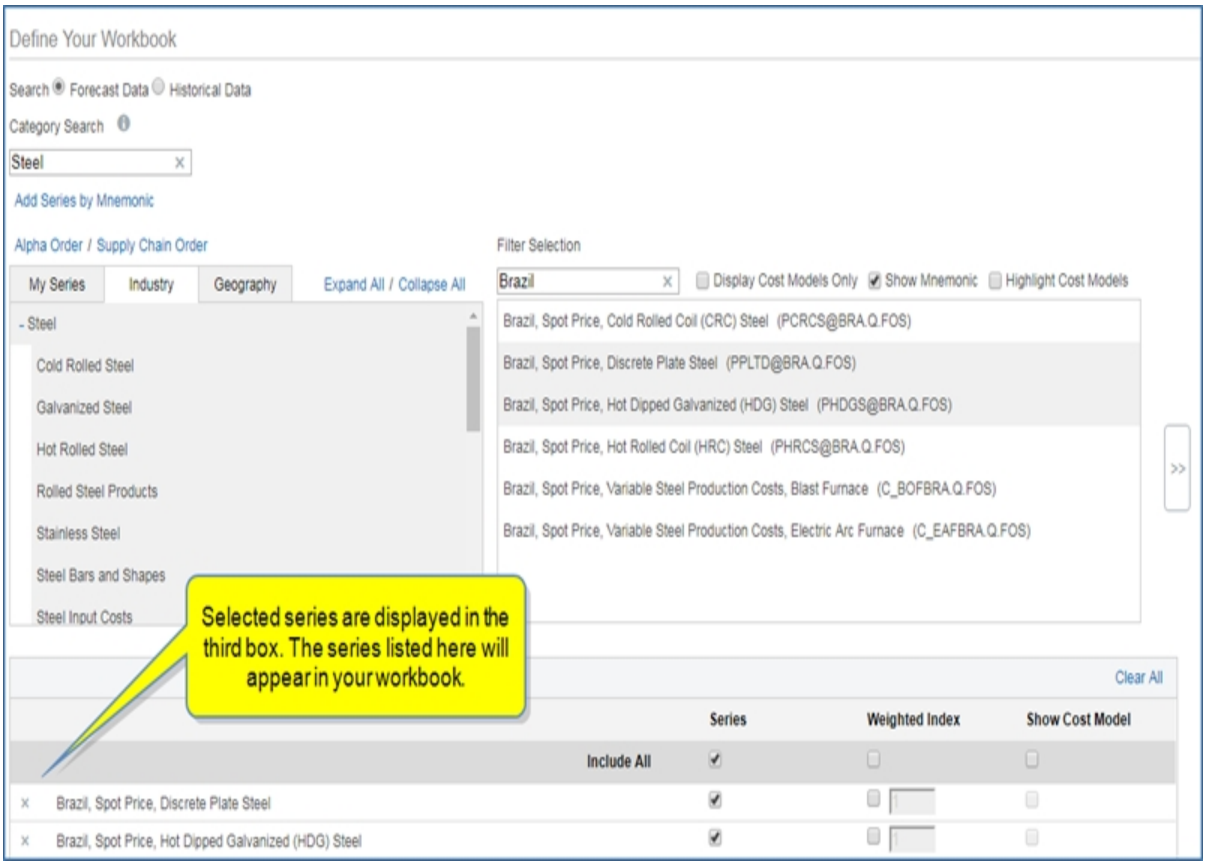
Show Mnemonic reveals the codes associated with the series.



Highlight Cost Models makes the Cost Models obvious.

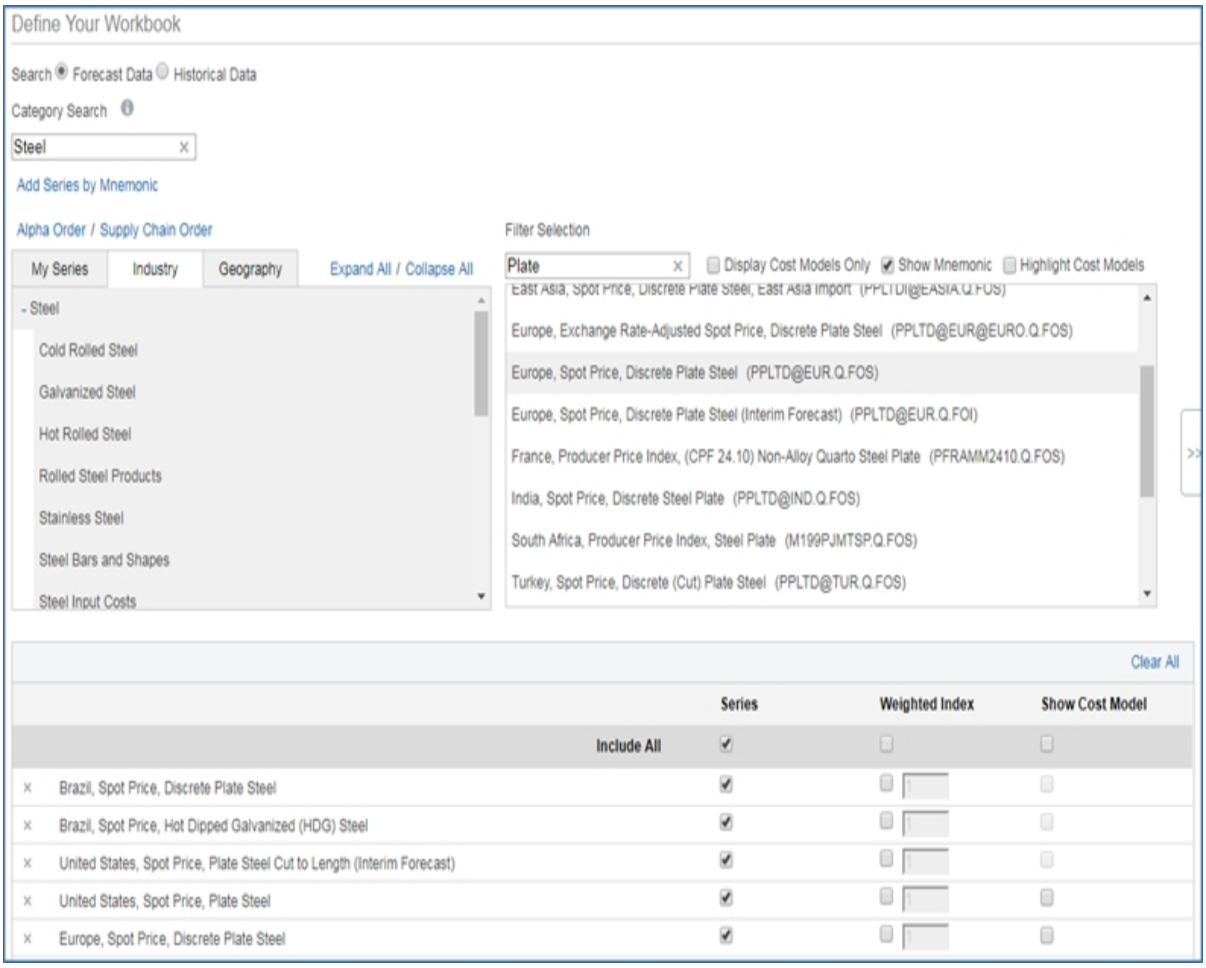


5. Select the series you want in your workbook. Those series are displayed in the third box.



6. Backspace over the Brazil filter and enter **Plate** into the Filter selection box to search for different types of steel.

7. Make a selection(s) from the results list. The items are added to the list in the third box. If you want to add all series currently in the second box, click the double arrows to the right of the box. When you hover over the double arrows, they turn dark blue.



You can continue to search for other items and add them to the series list. Try adding **Wages and Compensation** and then filter by **Manufacturing**.

You can also flip back and forth between **Forecast Data** and **Historical Data** to add more series to your workbook. For example, after selecting **Historical Data**, you could browse for **Commodities** and select **Metals** to add to the workbook.

If you decide to remove series, click the **x** next to the series to remove it from your selection pane.

Once your series are selected, you need to select attributes you want with the series from **Series**, **Weighted Index**, and **Show Cost Model**. By default, all of the series are selected.

8. Select the data series in the third box that you want included in the workbook.

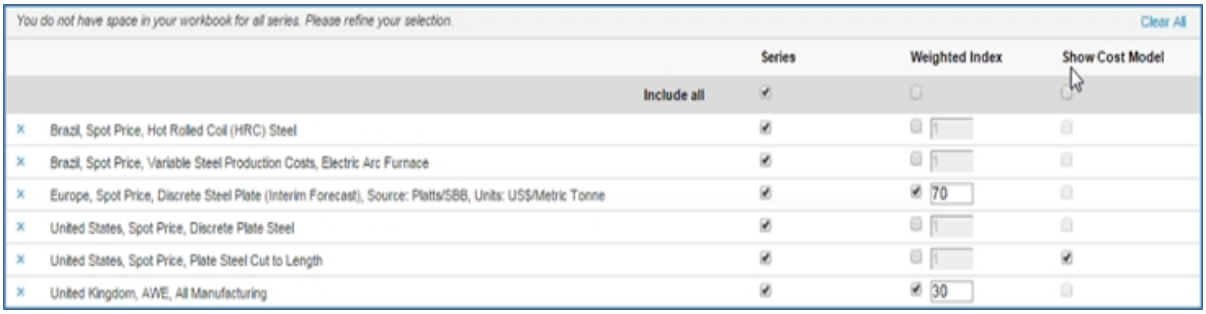
9. Create a weighted index by entering weighted values in the boxes next to the series you want to include. If you do not enter custom weights in column 2, the weighted index will be an equal average of all selected series.

10. Select the box in the third column, **Show Cost Model**, if you want to include an IHS Markit Cost Model or Alloy Cost Model. Not every series will have a cost model. Cost models are only done for certain

concepts and alloys, so this selection may not be available for all series you have selected.

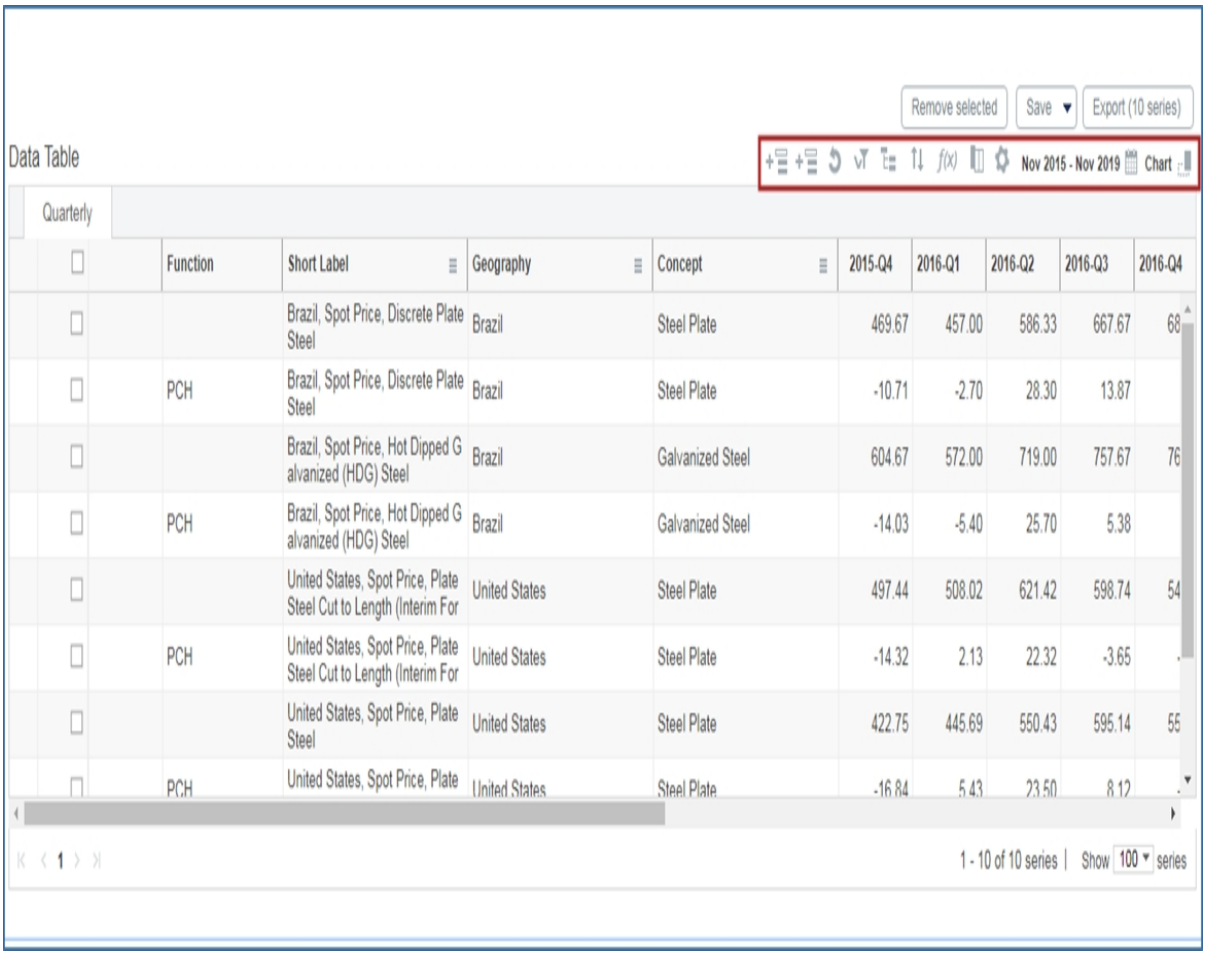
You can select all series in a column by selecting the box associated with that column in the **Include All** row.

You can clear your selections by clicking the **Clear All** link in the top right of box 3.

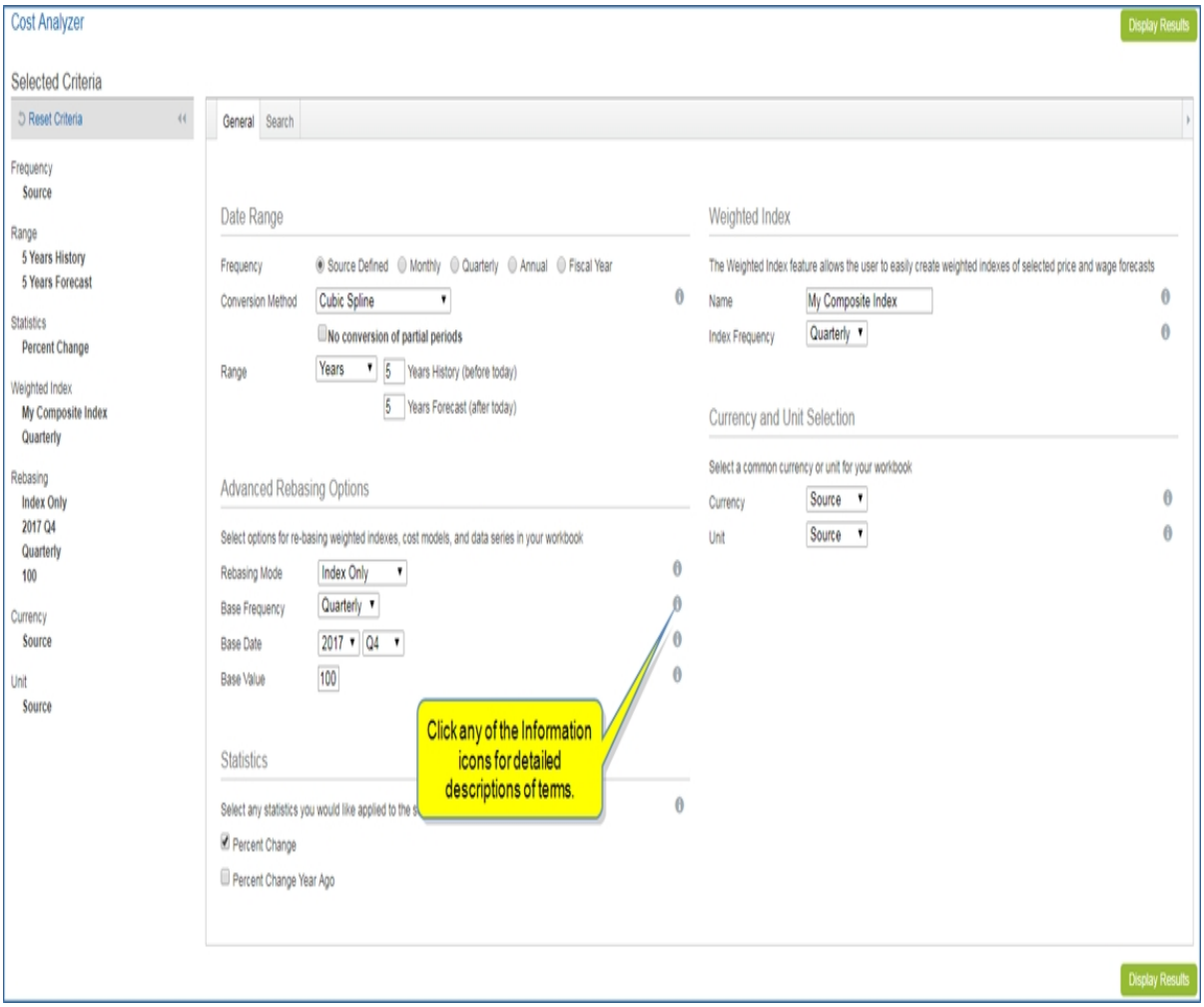


11. Before displaying results, go to the **General** tab to change any criteria settings. You can change the **Date range**, make new selections for the **Weighted Index** base period and value, select options for **Advanced Rebasing**, **Currency and Unit Selection**, and **Statistics** to your selection.

    Note: all changes you make on the General page can also be made on the results page using the function icons.



The Information icons give you added information for terms on the General page.

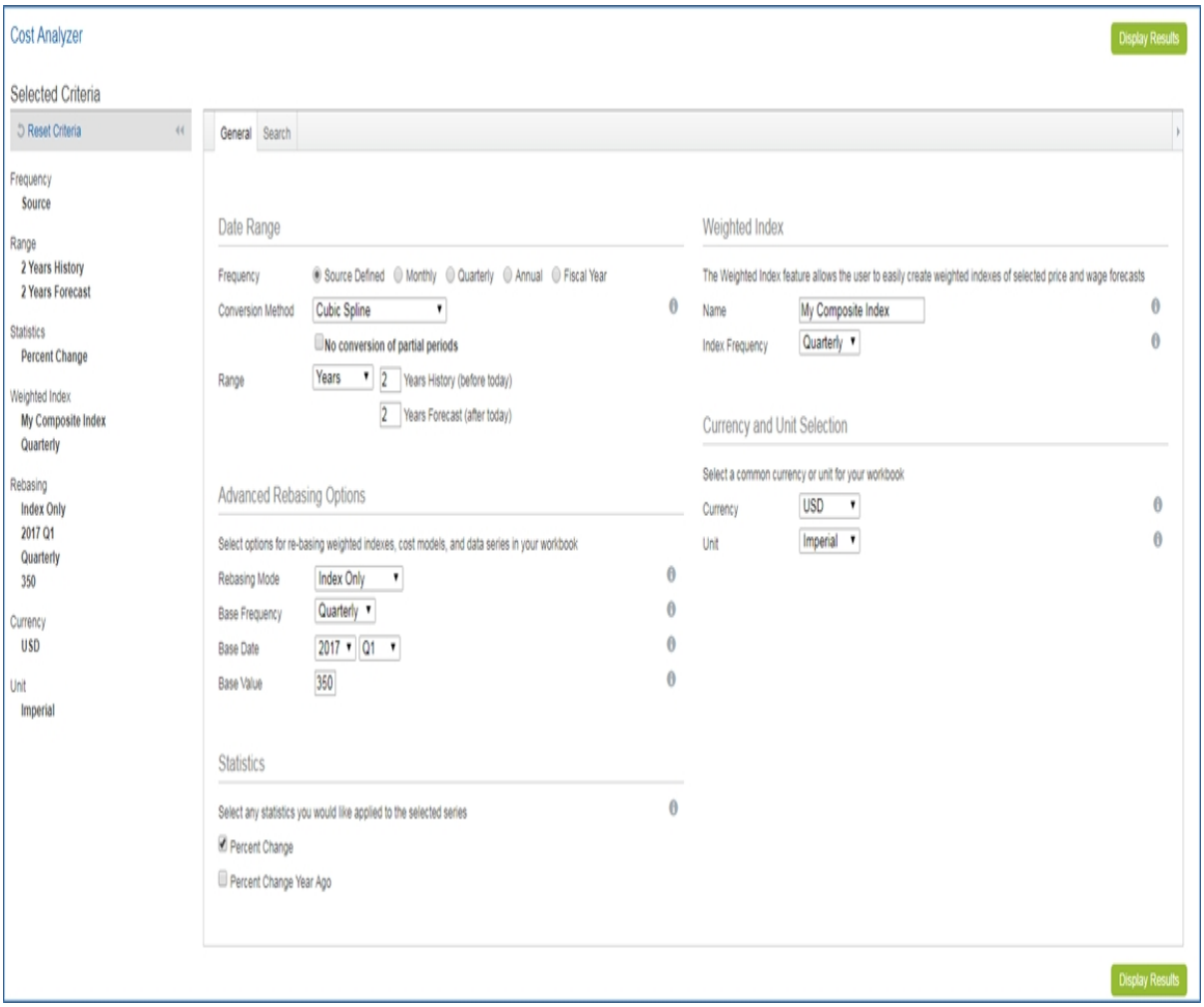


Under Weighted Index, you can give your weighted index a specific name and indicate the Index Frequency. To populate a weighted index, you must select Column 2, **Weighted Index**, next to the series on the search pane that you would like to include, as previously described.

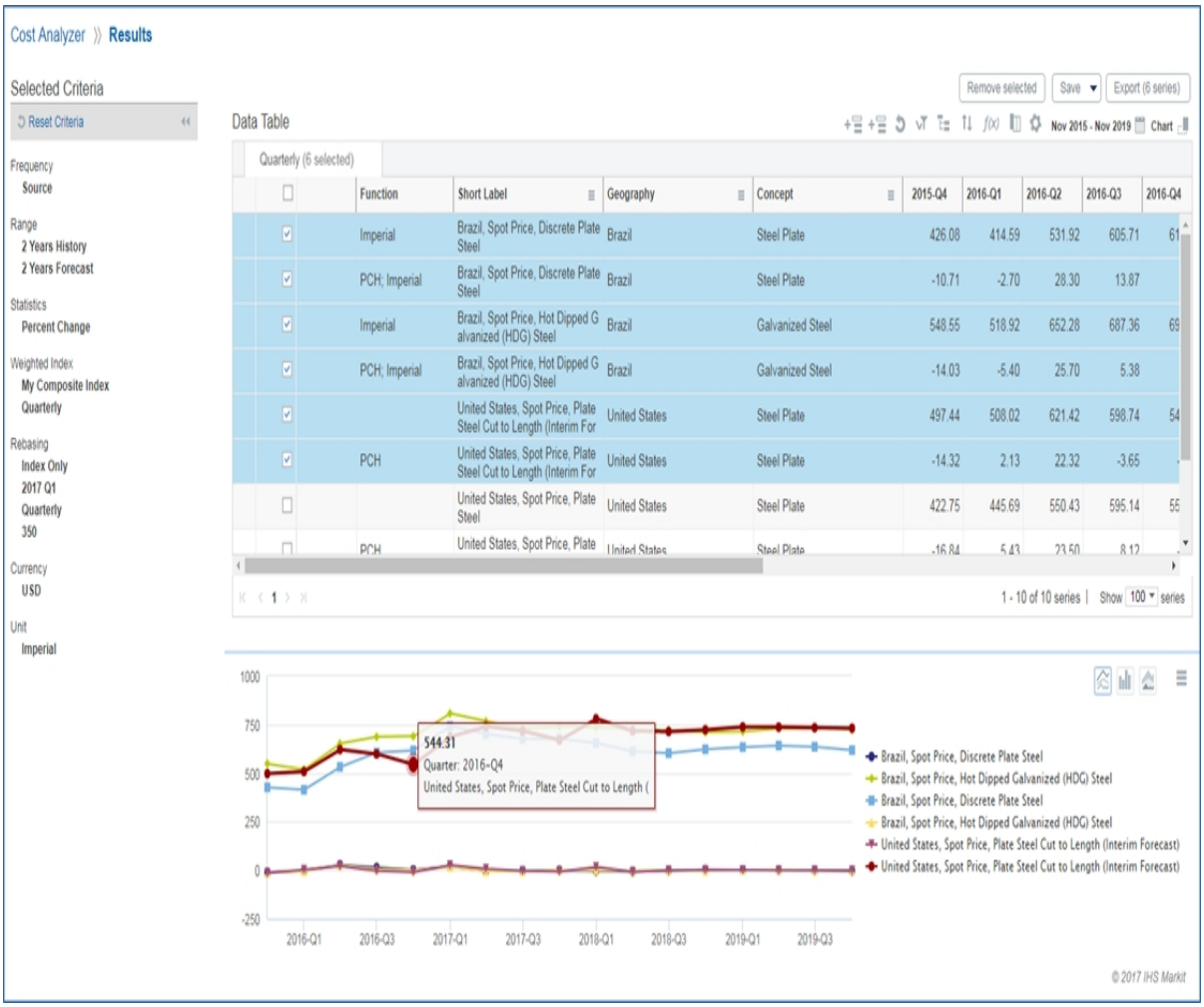
12. Type in the box **Custom Cost Model** to give your weighted index a name. Choose a date to set the period to which the weighted index will be based, a frequency, and a value to which you would like the series to be set. If you do not choose a base date, frequency, or value, the tool will calculate a straight weighted average based on your selection.

    The Base Value option allows you to associate a value for a time period that works across currencies and will show price increases and reductions over time. If you know the cost of production was 350 euros, or dollars, or pounds in the base period, 2014Q1, enter that amount as the Base Value, and all values of your custom cost index will be relative to 350 for the base period 2014Q1.

13. Change **Range Years** to 2 and 2, and select **Percent Change** under Statistics.



14. Click **Display Results** to see the cost model and data series you have created.



...

Viewing Cost Analysis query results

Once you click **Display Results** on the Cost Analysis search page, the results of your query are displayed in a Data Table and Chart Preview. You can view price data, custom cost models, and IHS Markit cost break-outs in one workbook. You can apply functions, save selected series to My Connect, export selections or all series to an Excel spreadsheet, and / or set email alerts.

Note: You can get back to the Cost Analysis page, using the breadcrumbs trail at the top of the page.

Change the Date Range by clicking on the calendar icon at any time.

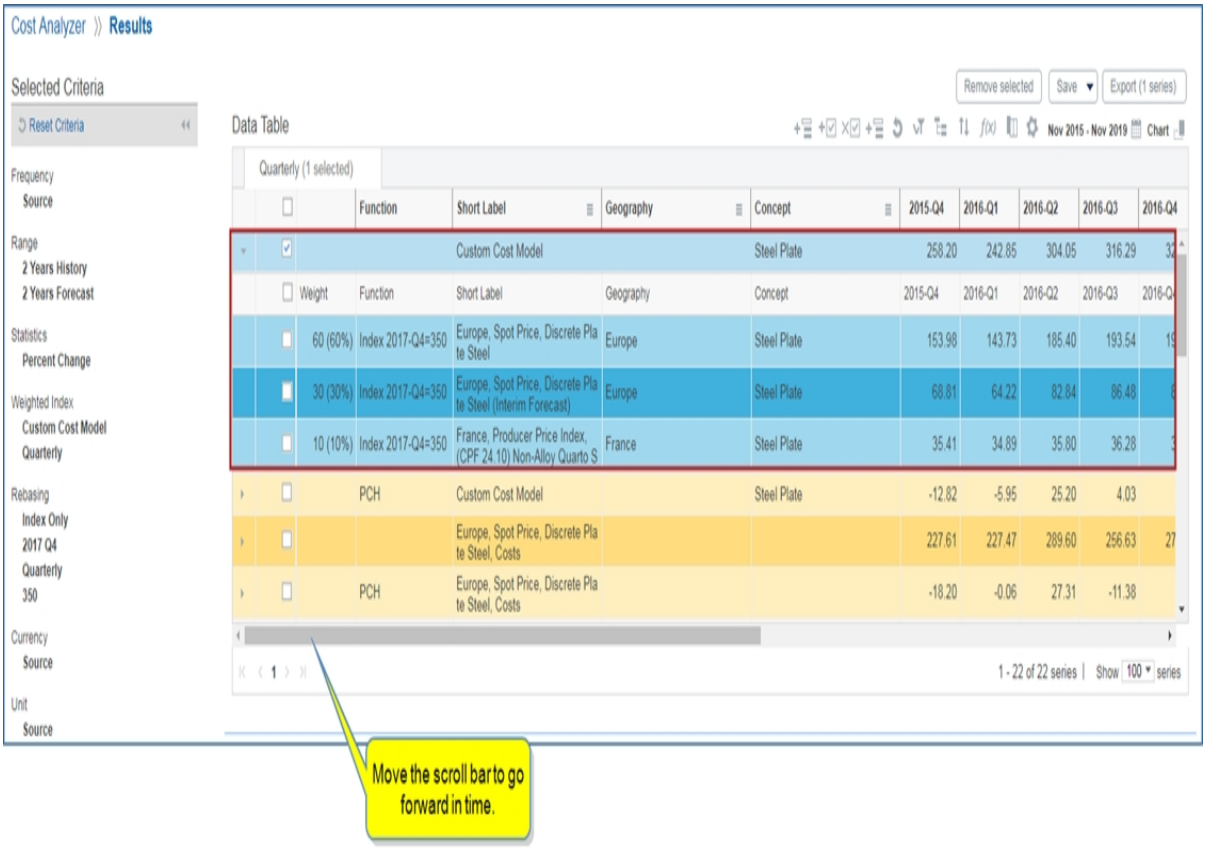
Series are displayed on the chart when you select a check box in the data table.

To view the chart below the data table, beside it, or to hide the chart, click the Chart icon. Clicking it twice hides the chart.

Note: Connect remembers the configuration you selected for the placement of the chart. When you open the dataset at a later time, the position of the chart (right, below, or hidden) relative to the table appears as you left it in your previous session.

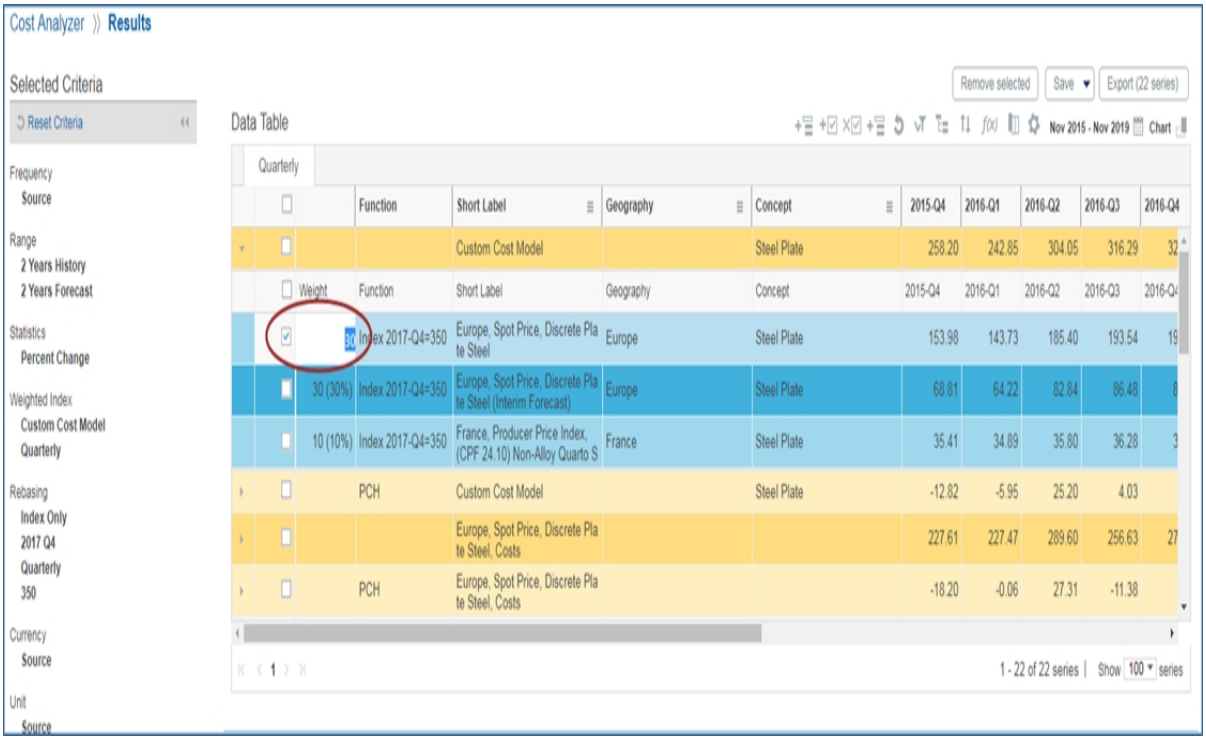
Custom Cost Model Detail

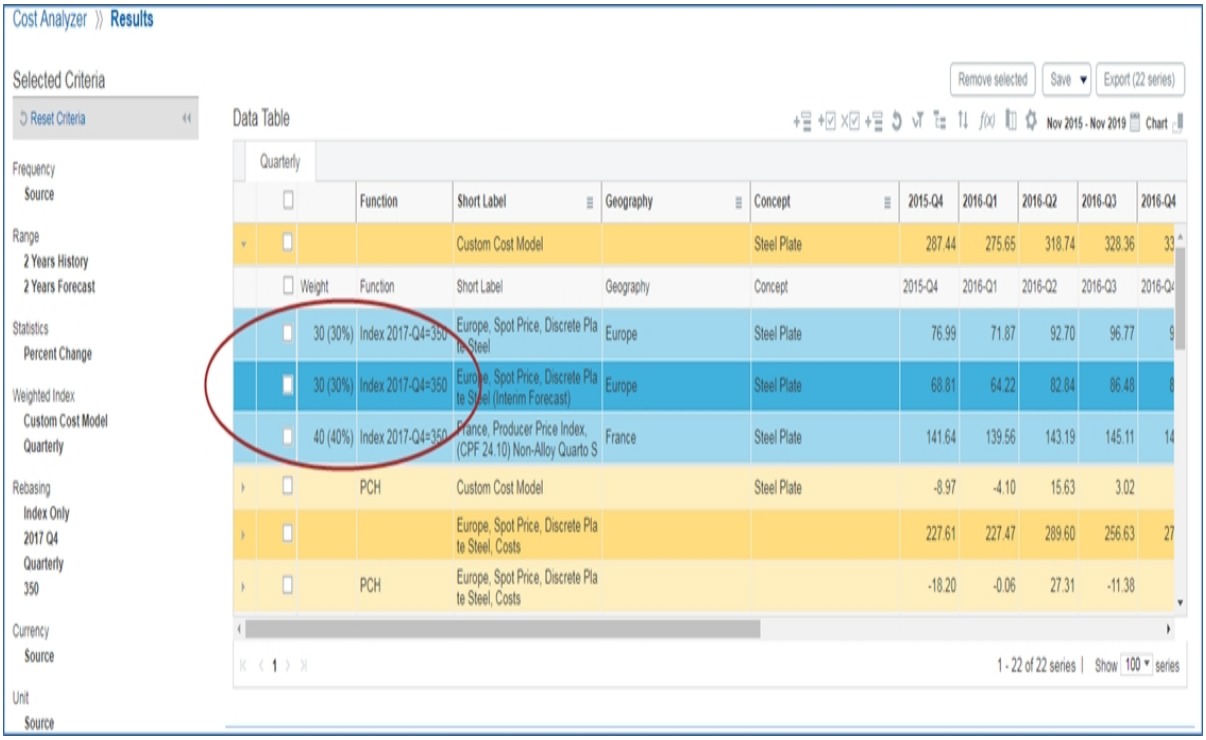
To view the detail of the cost model, click the blue arrow to the left of Custom Cost Model. All the details of the settings are in the left panel. This cost model was set to 350 in 2017 Q4. The Custom Cost Model was created based on two series selected in Cost Analyzer.



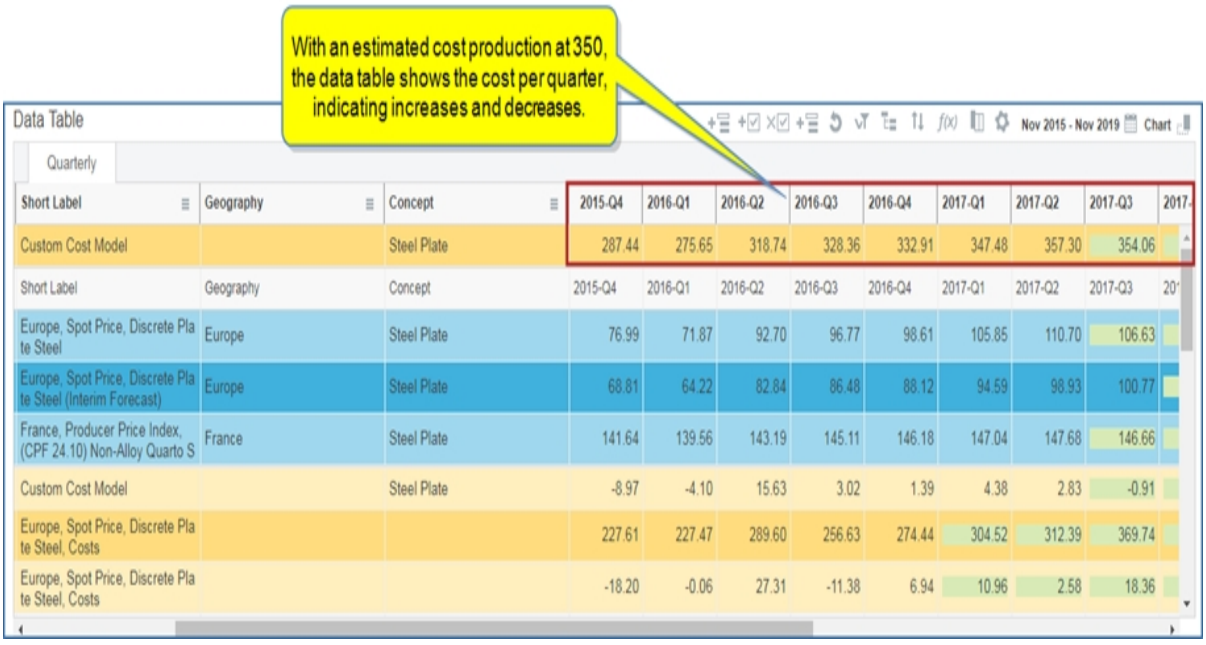
Green highlighting on the data table indicates IHS Markit forecast data. Use the horizontal scroll bar to move the chart forward.

To change the weight, select the series, and then type over the previous rate to adjust it.





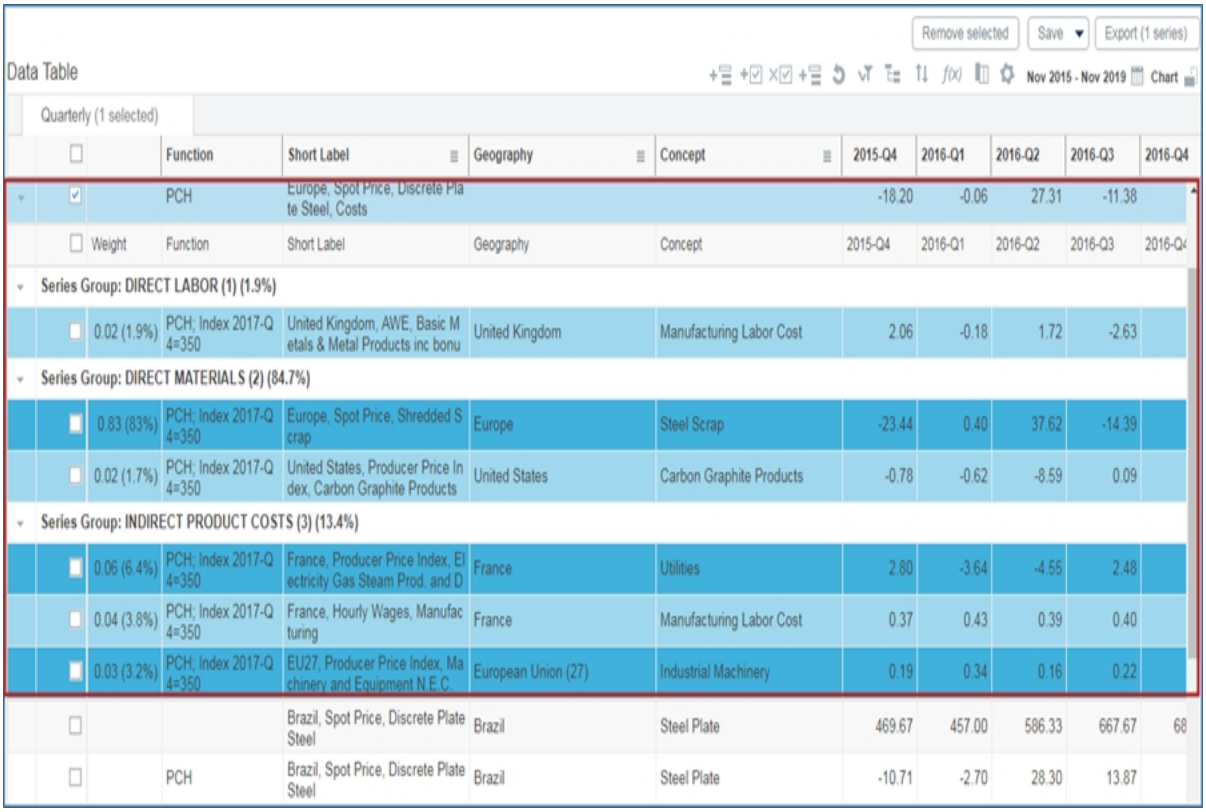
The index is telling you that if you estimated the cost of production at 350, the price rose in 2016-Q2 after dropping in 2016-Q1 and kept rising until 2017-Q3 when the price was approximately $354.05.



IHS Markit Cost Model Detail

In addition to a Custom Cost Model, this index also contains an IHS Markit production cost model for carbon steel plate.

Click the down arrows to see what is included. There are three categories: Direct Labor, Direct Materials, and Indirect Product Costs.



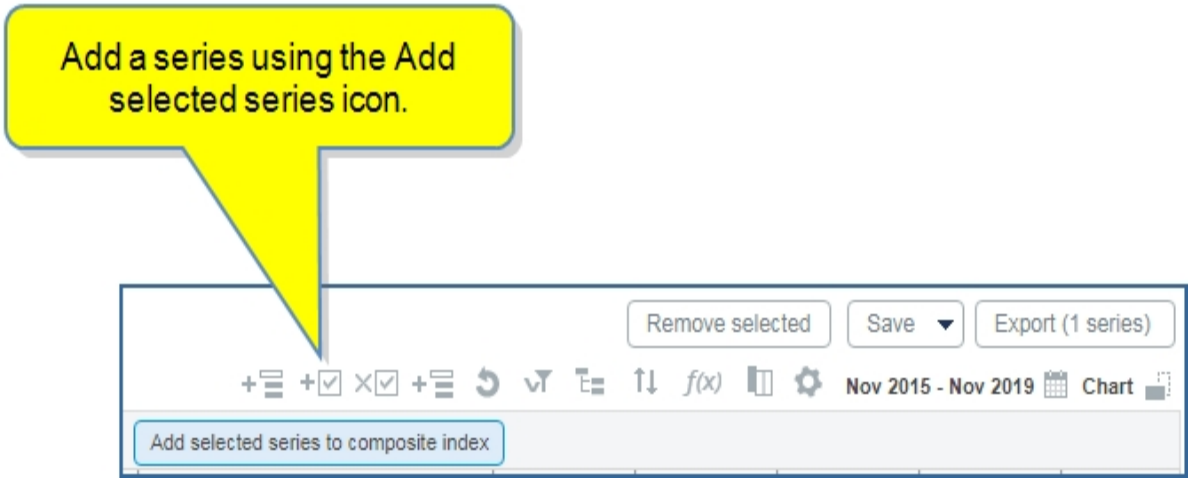
	Weight	Function	Short Label	Geography	Concept	2015-Q4	2016-Q1	2016-Q2	2016-Q3	2016-Q4
☑		PCH	Europe, Spot Price, Discrete Plate Steel, Costs			-18.20	-0.06	27.31	-11.38	
☐	Weight	Function	Short Label	Geography	Concept	2015-Q4	2016-Q1	2016-Q2	2016-Q3	2016-Q4
Series Group: DIRECT LABOR (1) (1.9%)										
☐	0.02 (1.9%)	PCH; Index 2017-Q4=350	United Kingdom, AWE, Basic Metals & Metal Products inc bonu	United Kingdom	Manufacturing Labor Cost	2.06	-0.18	1.72	-2.63	
Series Group: DIRECT MATERIALS (2) (84.7%)										
☐	0.83 (83%)	PCH; Index 2017-Q4=350	Europe, Spot Price, Shredded Scrap	Europe	Steel Scrap	-23.44	0.40	37.62	-14.39	
☐	0.02 (1.7%)	PCH; Index 2017-Q4=350	United States, Producer Price Index, Carbon Graphite Products	United States	Carbon Graphite Products	-0.78	-0.62	-8.59	0.09	
Series Group: INDIRECT PRODUCT COSTS (3) (13.4%)										
☐	0.06 (6.4%)	PCH; Index 2017-Q4=350	France, Producer Price Index, Electricity Gas Steam Prod. and D	France	Utilities	2.80	-3.64	-4.55	2.48	
☐	0.04 (3.8%)	PCH; Index 2017-Q4=350	France, Hourly Wages, Manufacturing	France	Manufacturing Labor Cost	0.37	0.43	0.39	0.40	
☐	0.03 (3.2%)	PCH; Index 2017-Q4=350	EU27, Producer Price Index, Machinery and Equipment N.E.C.	European Union (27)	Industrial Machinery	0.19	0.34	0.16	0.22	
☐			Brazil, Spot Price, Discrete Plate Steel	Brazil	Steel Plate	469.67	457.00	586.33	667.67	68
☐		PCH	Brazil, Spot Price, Discrete Plate Steel	Brazil	Steel Plate	-10.71	-2.70	28.30	13.87	

You can change values in this cost model as you did in the Custom Cost Model. Highlight and then type over the weight.

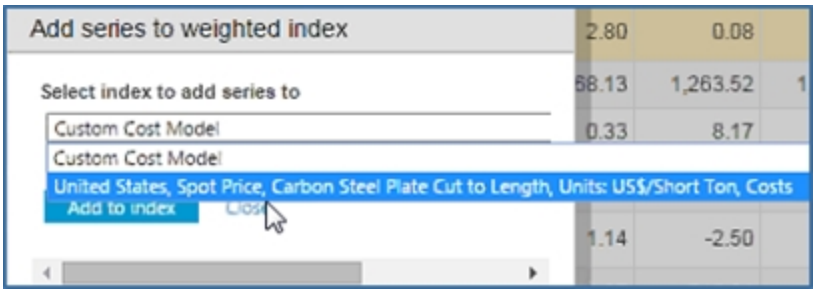
Removing or Adding Series

To remove a series, select it, and then click the **Remove selected series from composite index** icon above the table. This will automatically re-rate the rest of the index to make up for the loss in the index removed. You can also use the **Remove selected** button.

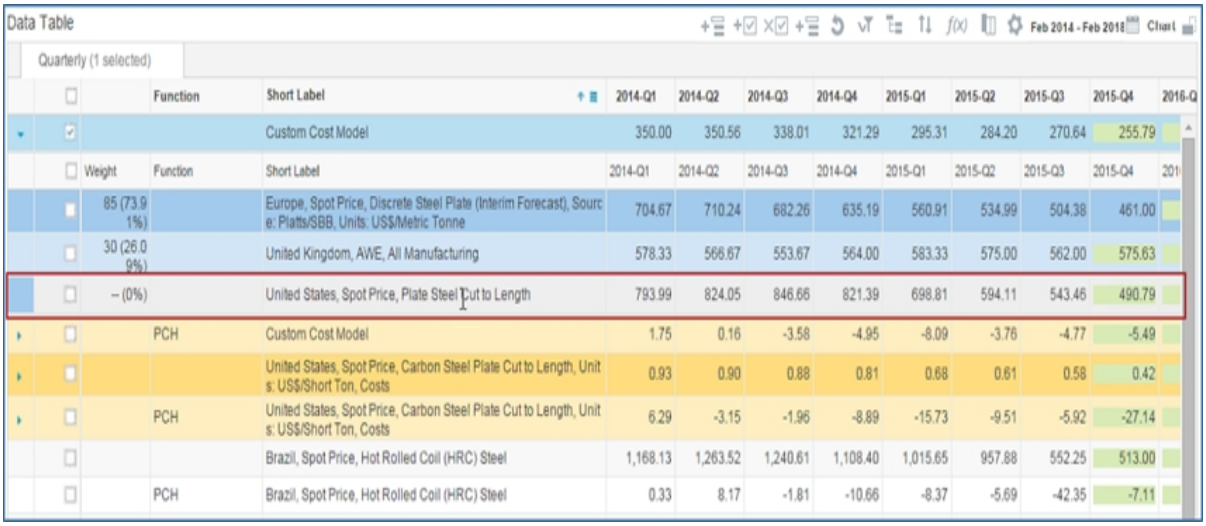
You can add a series to an index. Select a series with a check mark, and then click the **Add selected series to composite index** icon above the table.



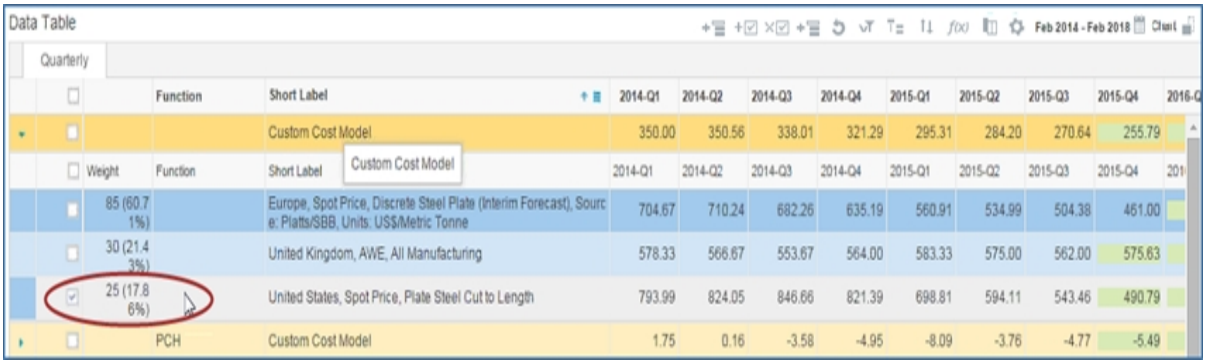
The ***Add series to weighted index*** dialog box is displayed indicating you can add the series to the Custom Cost Model or United States, Spot Price, Carbon Steel Plate Cut to Length, etc. IHS Markit Cost Model.



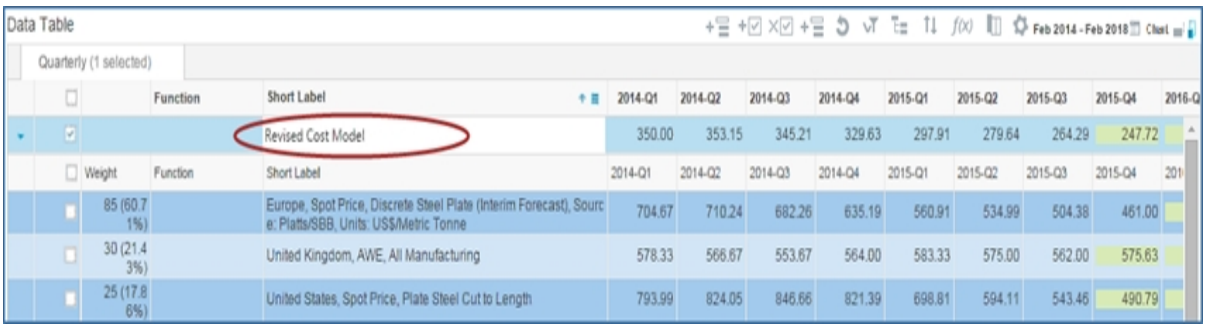
Add the series to the Custom Cost Model. Now, check the Custom Cost Model in the Data Table. The series has been added.



Give it a weight by selecting the series and typing in a weight.

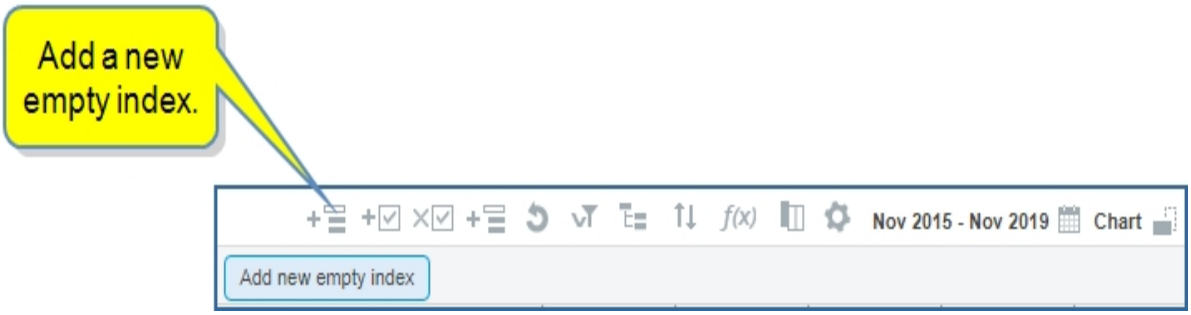


To give the cost model a new label to reflect the addition of a series, type over the label name.



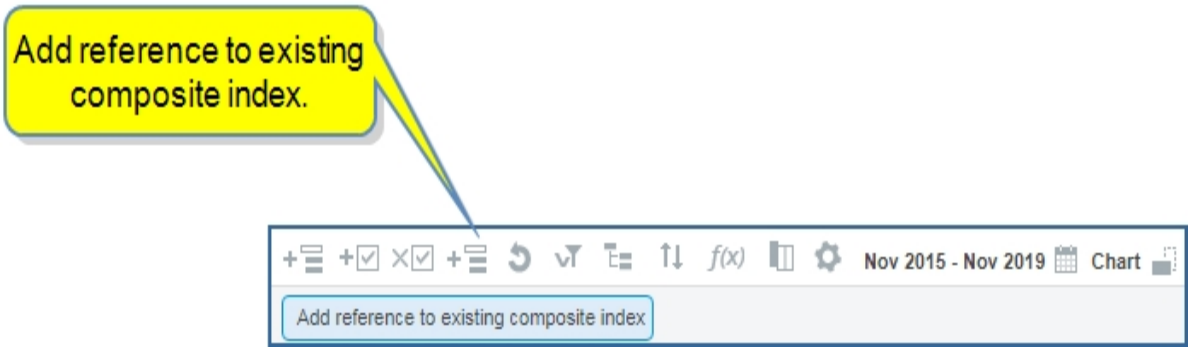
Adding a new cost model (index)

Select the **Add new empty index** icon to add a new cost model index.



Adding indices throughout the workbook

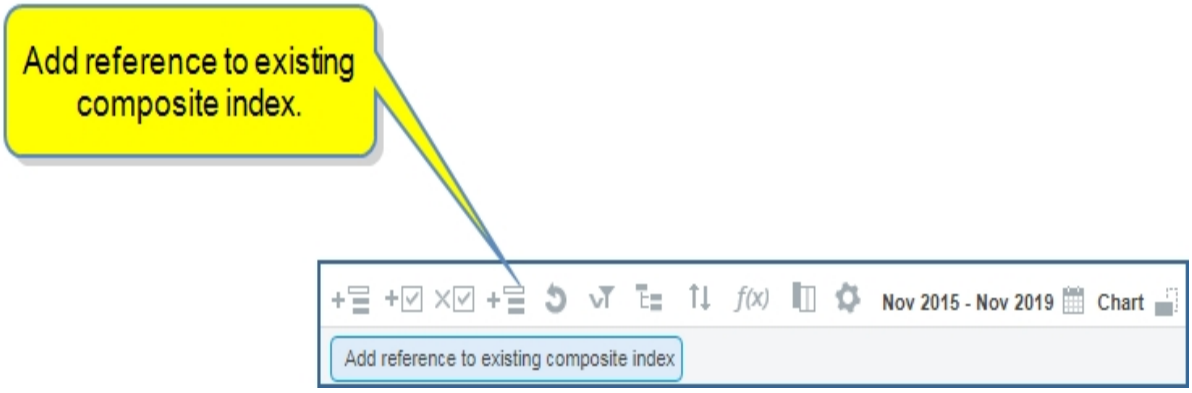
You can also add and create new indices throughout the workbook as needed by using the **Add reference to existing composite index** icon.



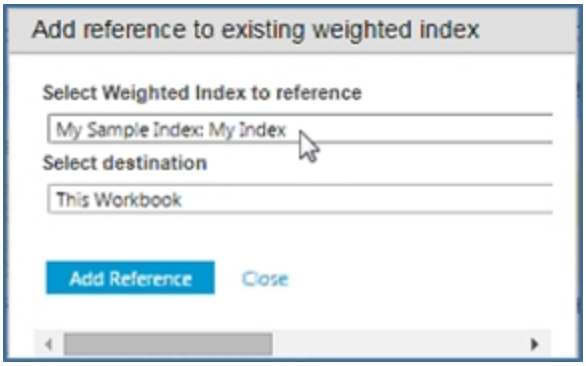
Adding references to an existing cost index

You can also add references to an existing cost index. For example, take the Revised Cost Model and add it to IHS Markit Cost Model.

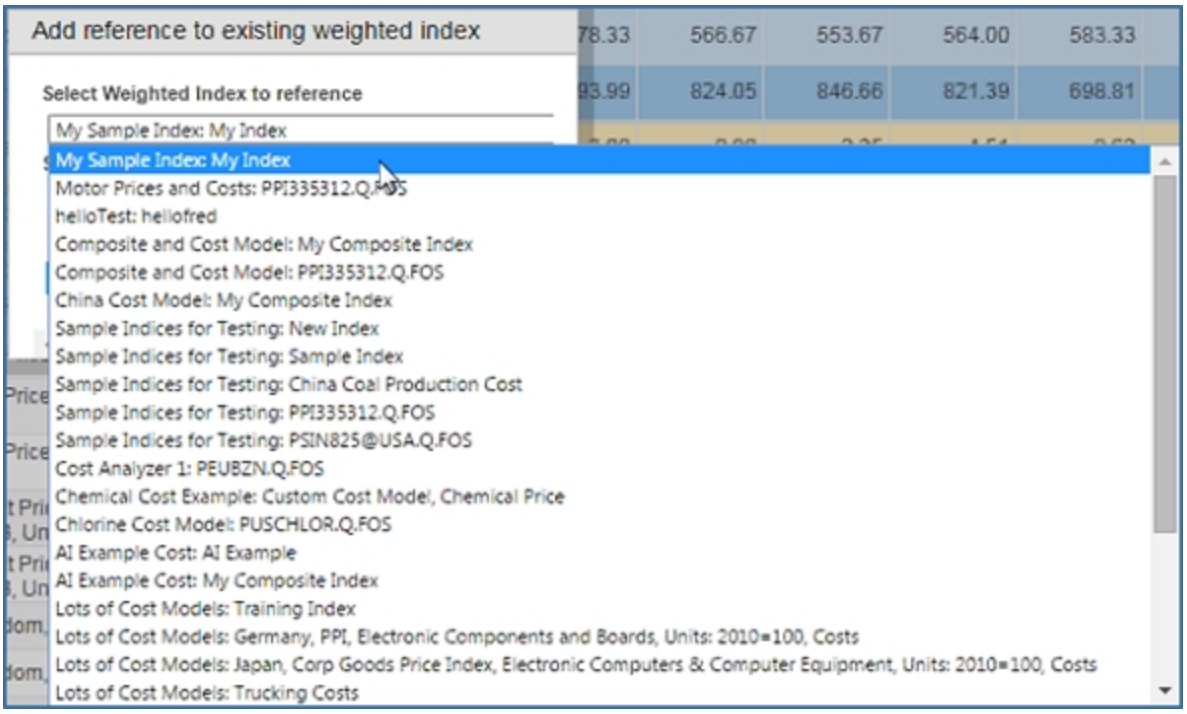
Select the **Add reference to existing composite** index icon.



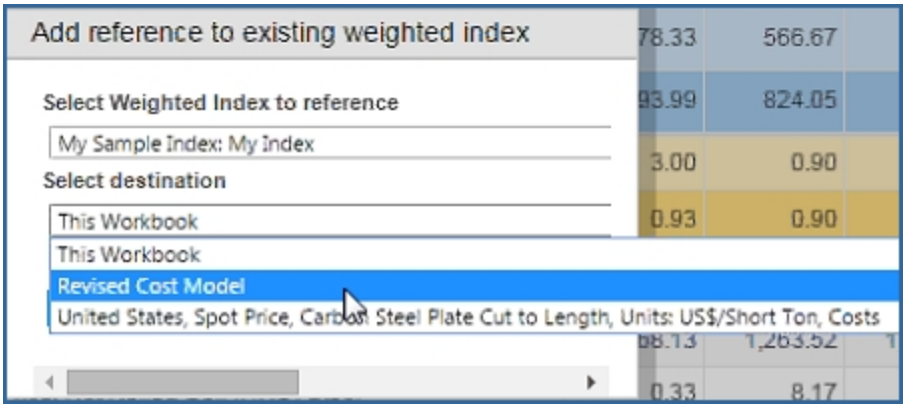
The ***Add reference to existing weighted index*** dialog box is displayed.



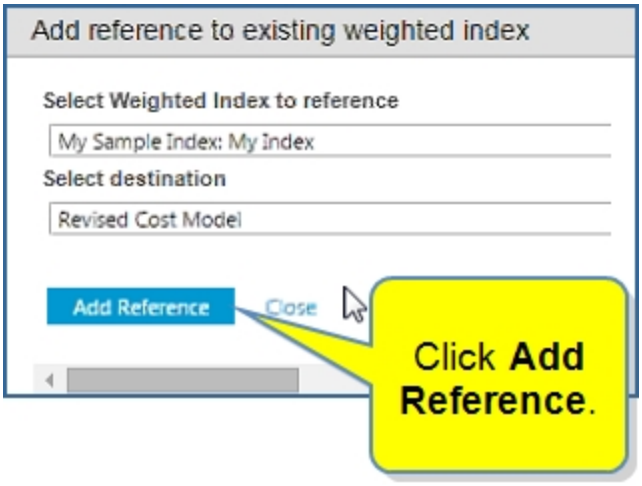
Click the first field to see a drop-down list of your weighted indexes.



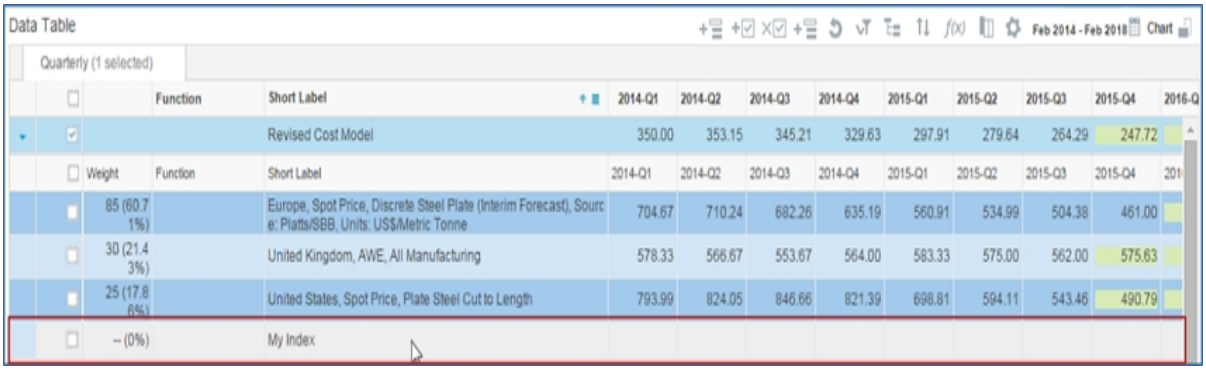
Choose a previously created index from any Workbook in Connect and add it to **Revised Cost Model**.



Click **Add Reference**.



The index is added to Revised Cost Model. In this way you can create nested indices.



Select the series and type over to give it a weight.

Other function icons

The first four function icons have been presented. The following table describes the remaining function icons.

	Reset settings allows you to put your custom settings back to the default settings.
	Enable Filtering allows you to filter the data table columns. To disable filtering, click the icon ( ) a second time.
	Enable grouping allows you to group your results. Drag a column into the available window or click select columns to choose columns you want to group the results into. To disable grouping, click the

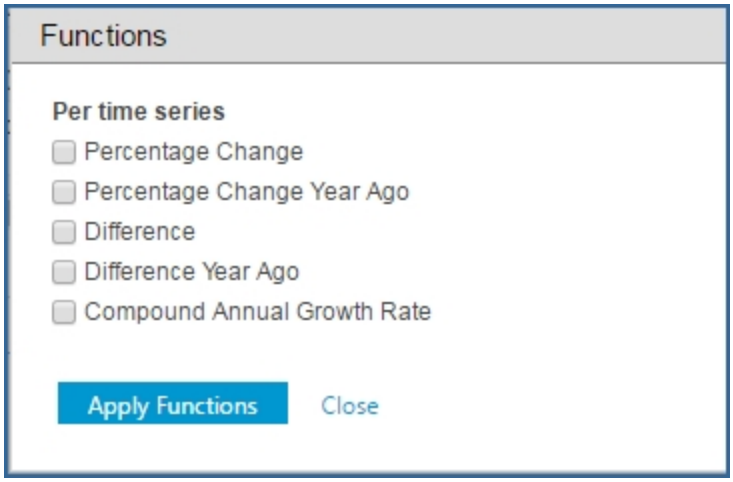
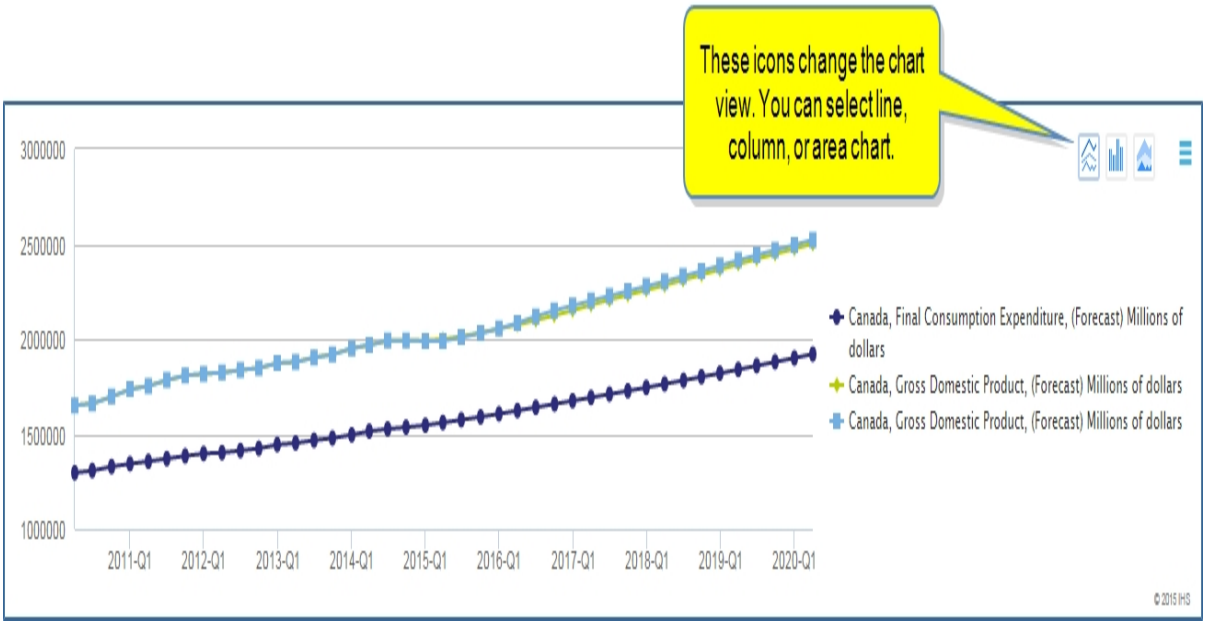
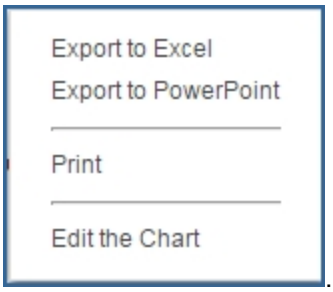
	icon ( ) a second time.
f(x)	Functions enables you to compute Percentage Change, Percentage Change Year Ago, or Compound Annual Growth Rate for the data series. The calculation applies to all the series. 
	Column Chooser allows you to determine which columns you want displayed on the data table. Each column contains a specific type of information about the data series. You can Hide or Show column titles by clicking the toggle links for **Hide** and **Show**. Select **Apply changes** or **Cancel**, as needed.
	Configuration enables you to customize your Cost Analysis export. Adjust orientation from data displayed in rows or columns, data exported into sheets by frequency, or group and positioning of the data in the sheet.
	Date Range allows you to set the start date and end dates for a data series at the default or a custom range. If you check **Rolling period**, your start date will move forward in time as time passes, and the end date will adjust to maintain the same range. In addition, you can hide any time series that are empty in the date range.
	Chart allows you to choose to hide the chart or position it below or to the right of the data table.

Chart options

The Chart Preview has three icons you can use to change the chart view from a line chart, to column, or area.

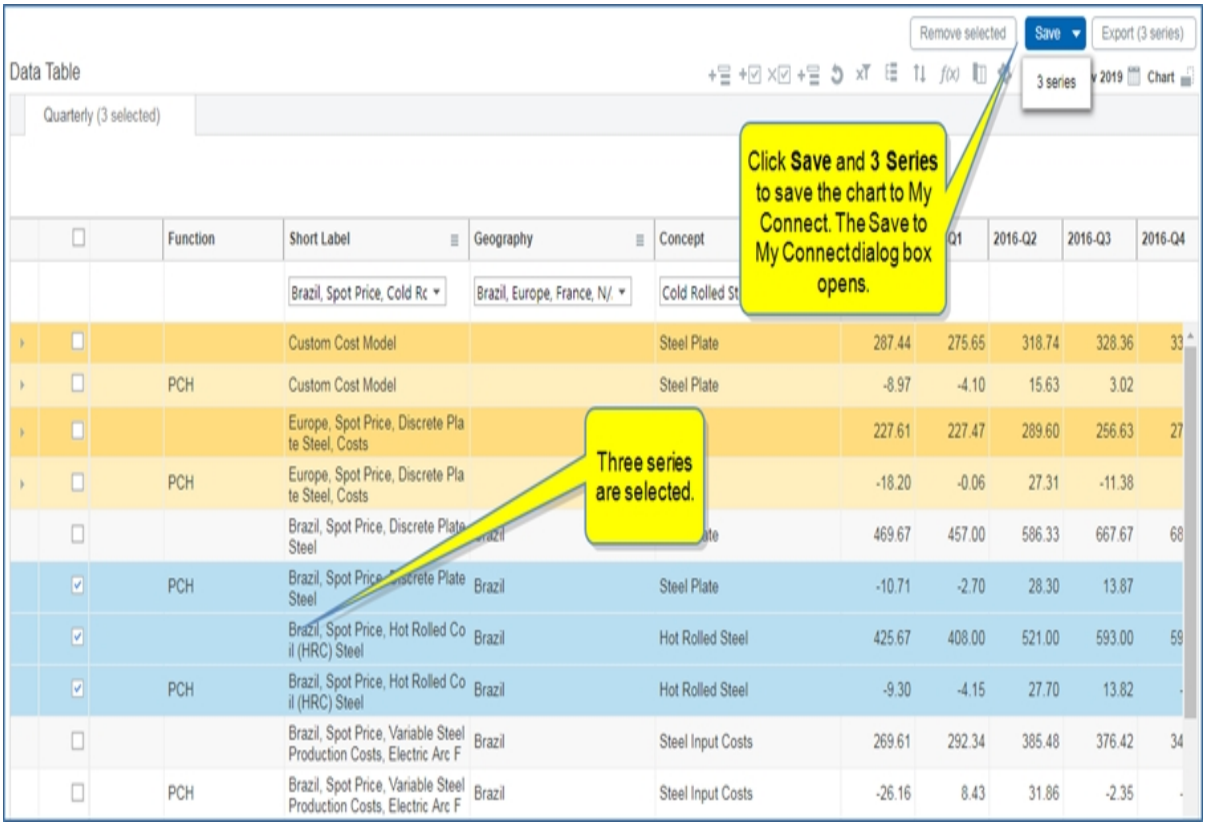


When you click the Menu bar icon, you have options to export the chart to Excel or PowerPoint, print the chart, or open the Chart Editor to make changes to the appearance of the chart. See How to use the Chart Editor.



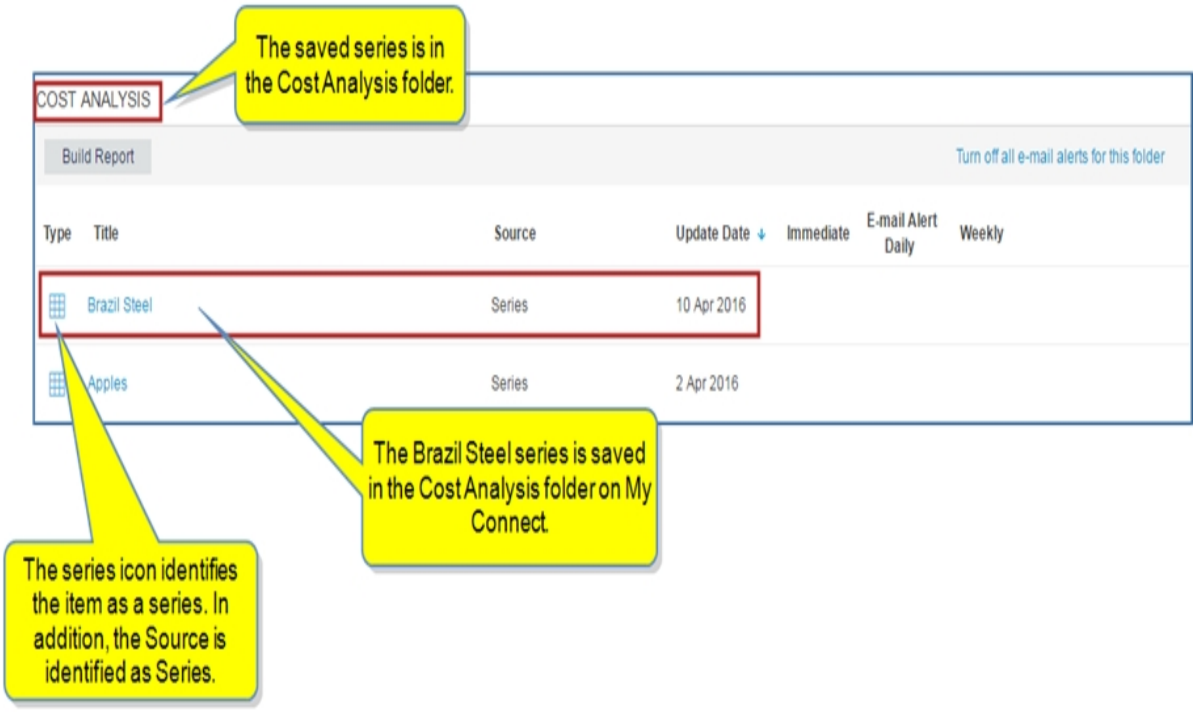
Saving Cost Analysis results

You can save one or more series to My Connect by selecting **Save**.

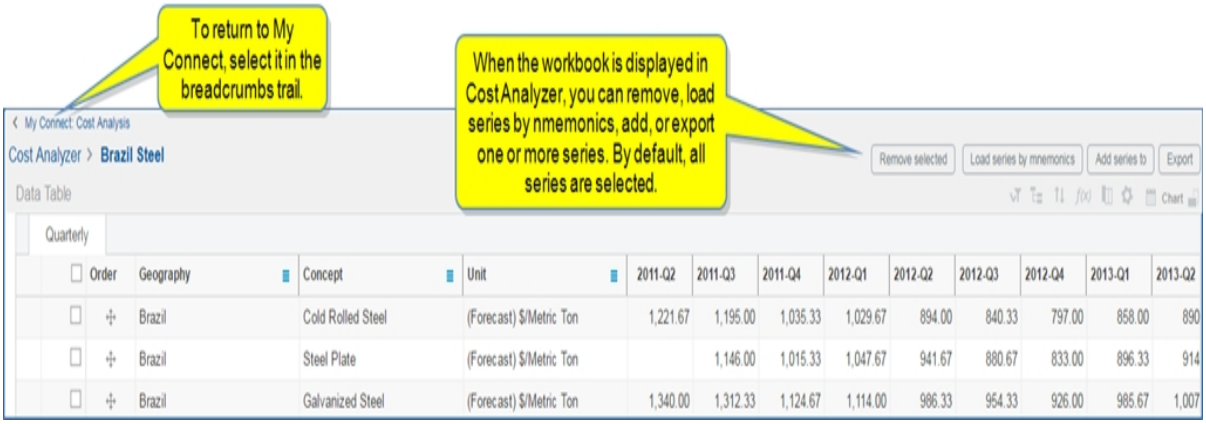


When you click **Series**, the ***Save to My Connect*** dialog box is displayed.

We are naming the selected series "Brazil Steel" and saving the series to the Cost Analysis folder. Clicking **Apply**, saves the selections to My Connect.

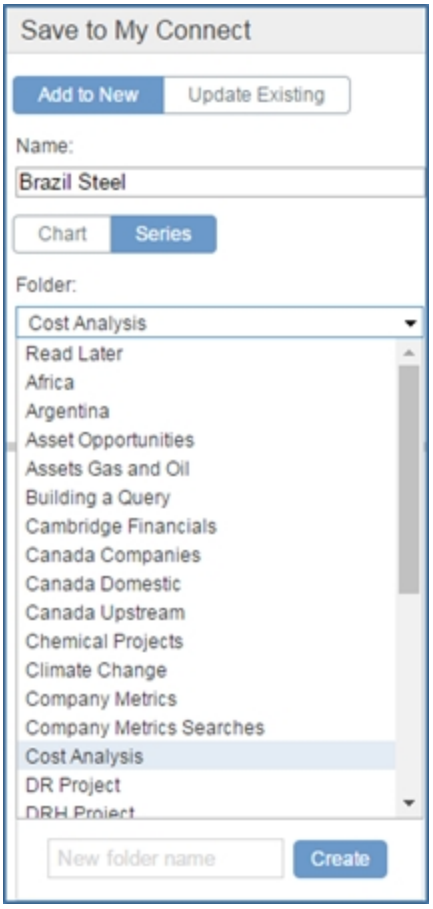


When you click the saved workbook title **Brazil Steel**, the workbook opens in Cost Analyzer. You can modify the saved series by removing a series, adding one or more series to another series, or exporting the series to Excel where the results are refreshable.



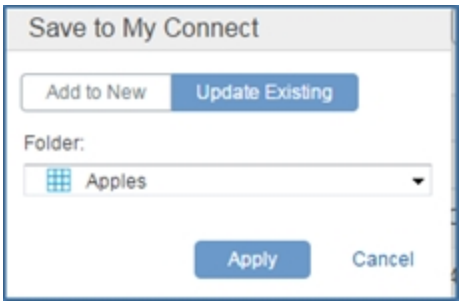
By default, all series are added or exported. However, you can select one or more series to add to another series, and the number of series you select is reflected in the **Add series** button.

Clicking the **Add series to** button displays the ***Save to My Connect*** dialog box. In this example, we expand the folders to view other series. We'll select Apples in the Cost Analysis folder.

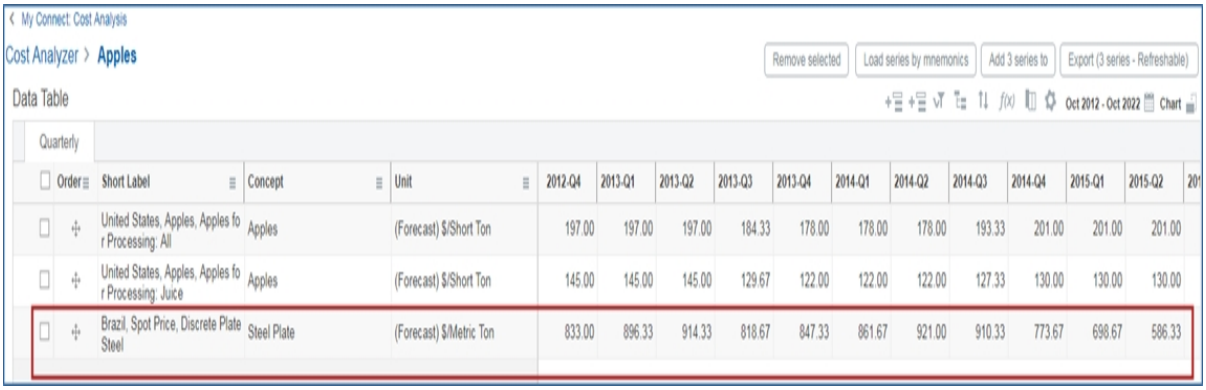


Note: When you click the down arrow to display a list of folders in the ***Save to My Connect*** dialog box, you have the options to create a new folder at the bottom of the list. Any new folder you create then appears on My Connect.

Now we can Update Existing by clicking **Apply**.

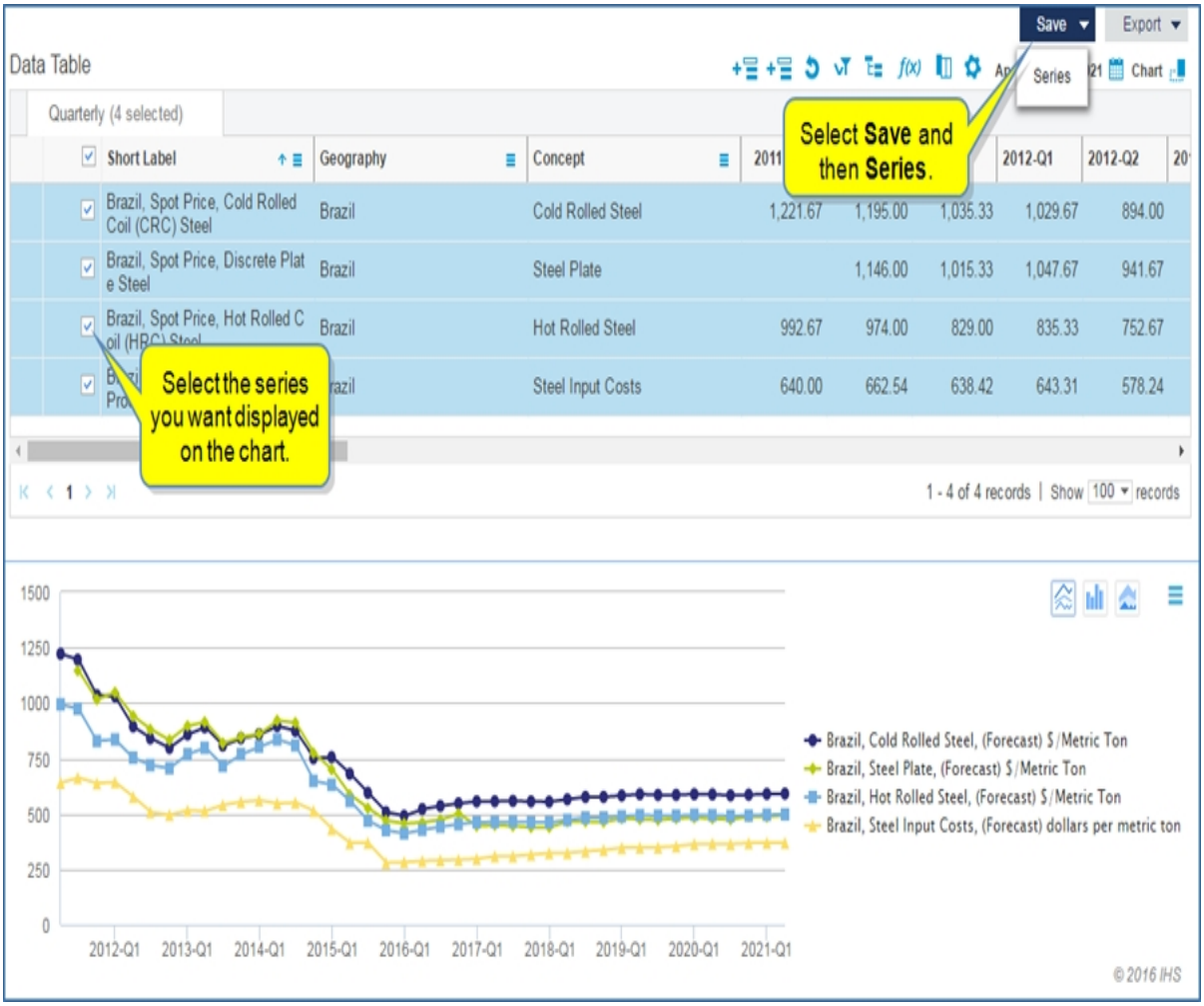


Now, selecting **Apples** in the cost Analysis folder displays the contents with the new Brazil, Steel Plate series added.



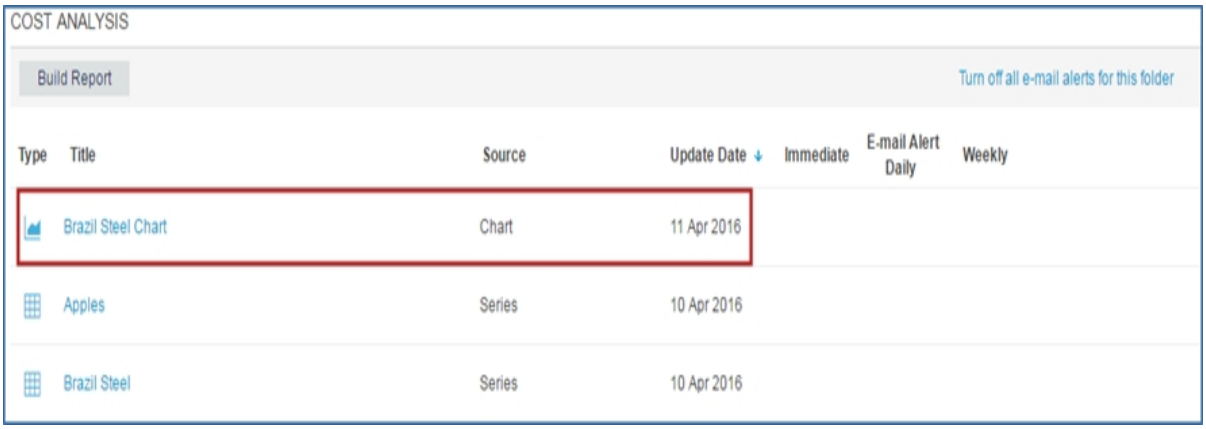
As you select your chosen series in a Data Table, the Chart Preview changes and displays up to eight corresponding lines or bars, depending on the type of chart you have displayed. (Use the chart type icons to change the Chart Preview.

To save a chart, click **Save** and **Selection** to display the ***Add to My Connect*** dialog box.



The ***Save to My Connect*** dialog box opens. We'll name the chart "Brazil Steel Chart," select **Chart**, and then **Apply**.

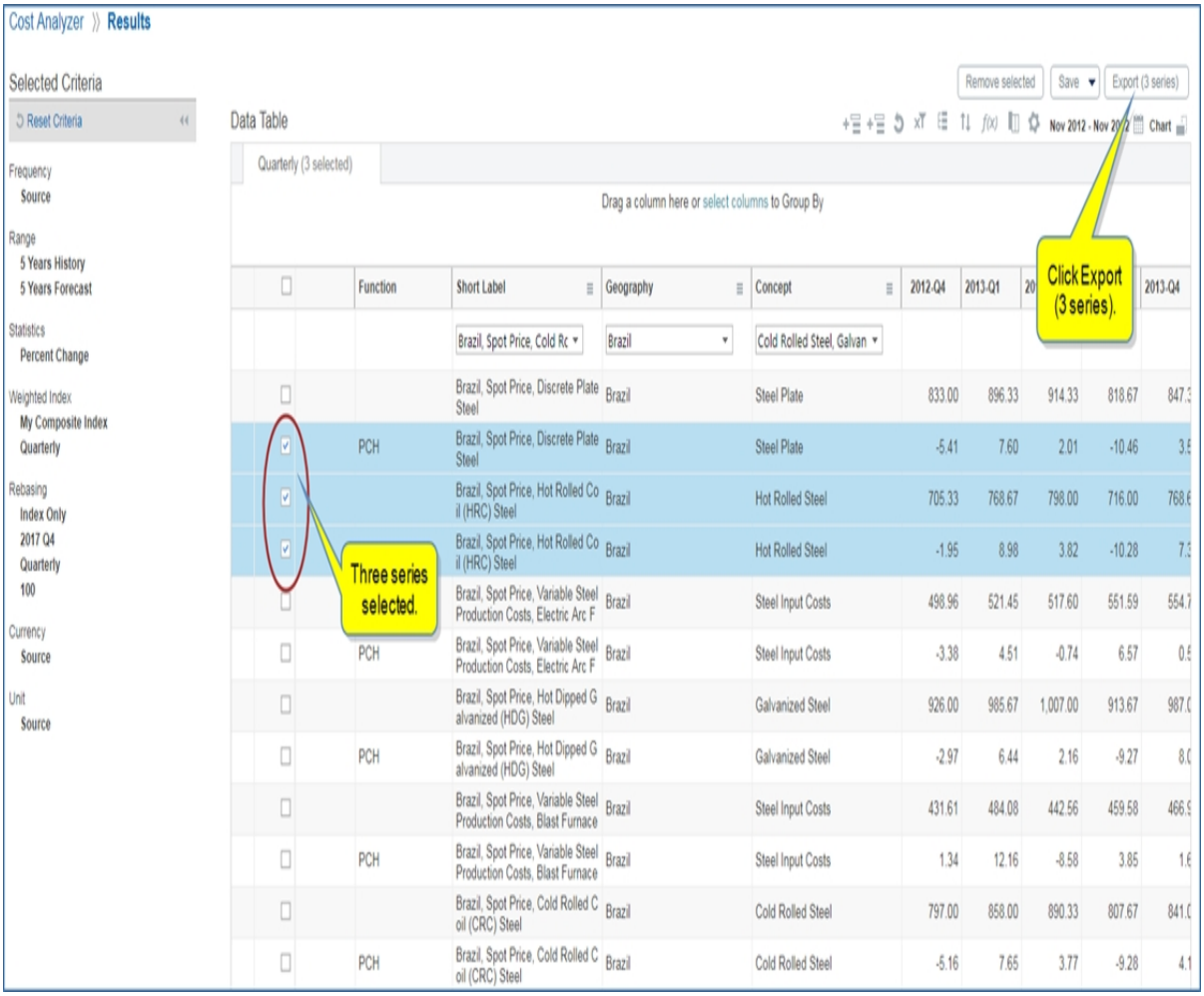
Now the chart appears as "Brazil Steel Chart" in the Cost Analysis folder on My Connect. When you click the chart link, the chart opens in the Chart Editor.



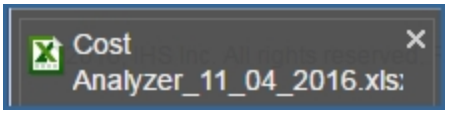
See How to use the Chart Editor for more information about editing and exporting the chart.

Export selection

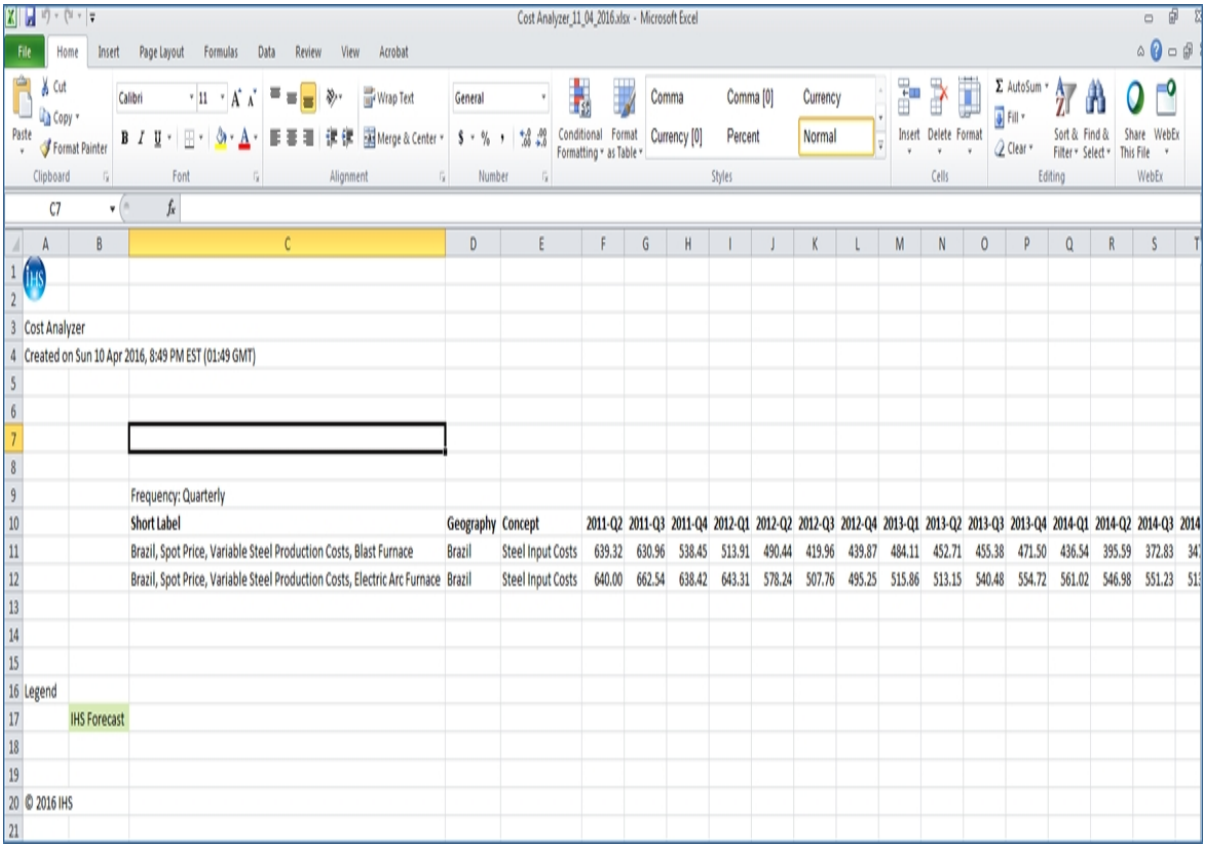
You can export one, all, or certain selected series to Excel by clicking **Export** and then **Export to Excel**.



The exported file is displayed in the lower left of the window. Click to open.

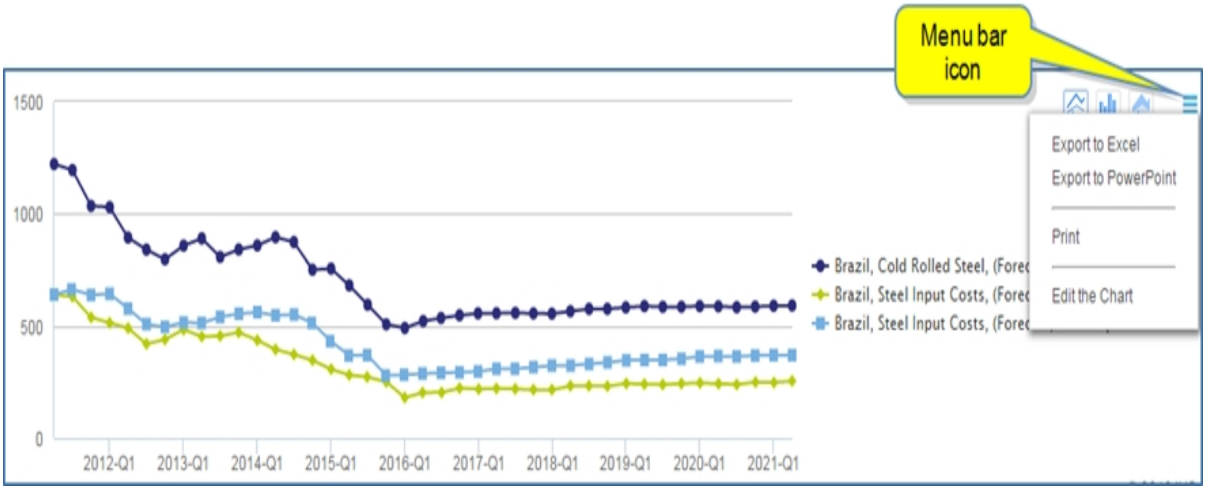


The data is displayed in a spreadsheet.



The Chart Menu bar icon

The Chart Menu bar icon gives you export, print, and editing options for the chart. When you export a chart to Excel and PowerPoint, the chart becomes a native object that you can reformat in the Excel or PowerPoint application. To find out more about editing a chart, see How to use the Chart Editor.



Working with alloy cost models

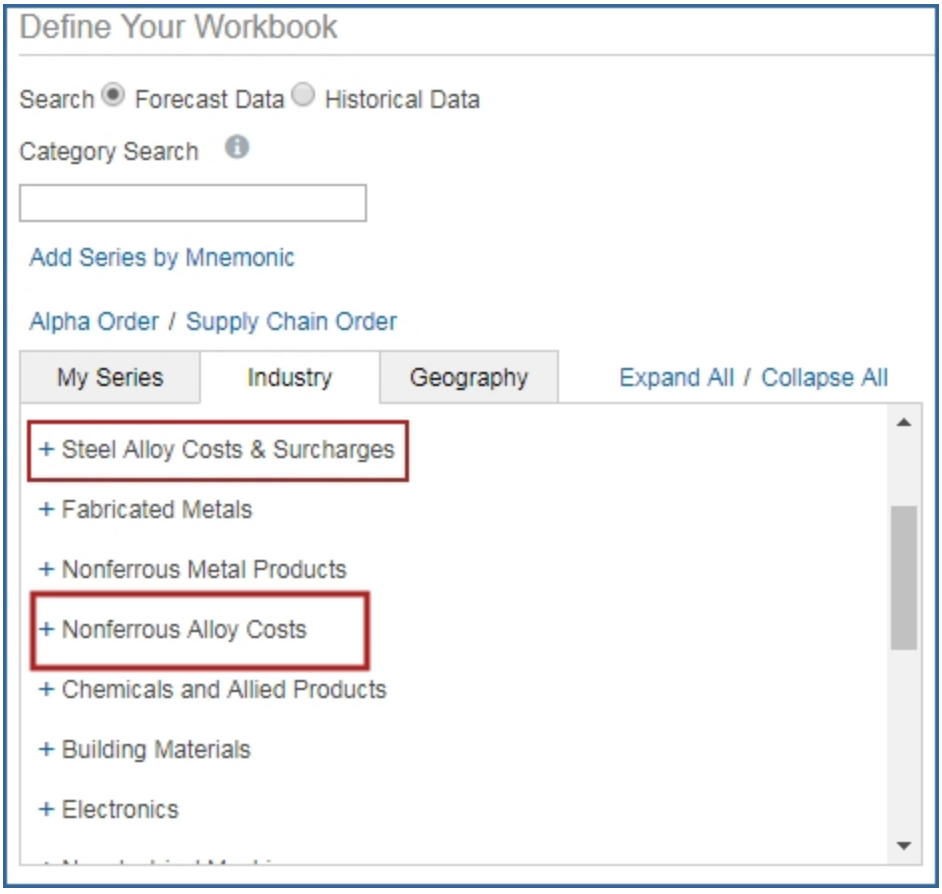
Alloy cost models are cost measures associated with manufacturing a specific blend of metals, for an example, a blend of steel, ferro-chrome, nickel, and ferro-silicon to make stainless steel, or copper, lead, and zinc to make bronze. Alloy costs in the Cost Analyzer tool reflect the market costs associated with the manufacture of a specific grade based upon the composition of metals required to make that grade. Cost Analyzer allows you to review the cost of production for an alloy based on averages of various metal prices that go into its production.

The following paragraphs describe how to search for alloys, filter for a specific grade, and then analyze the forecast costs in the search results. To review the general instructions about using the Cost Analyzer, see About Cost Analyzer, Creating a Cost Analysis workbook, and Viewing Cost Analysis query results.

Searching for alloys

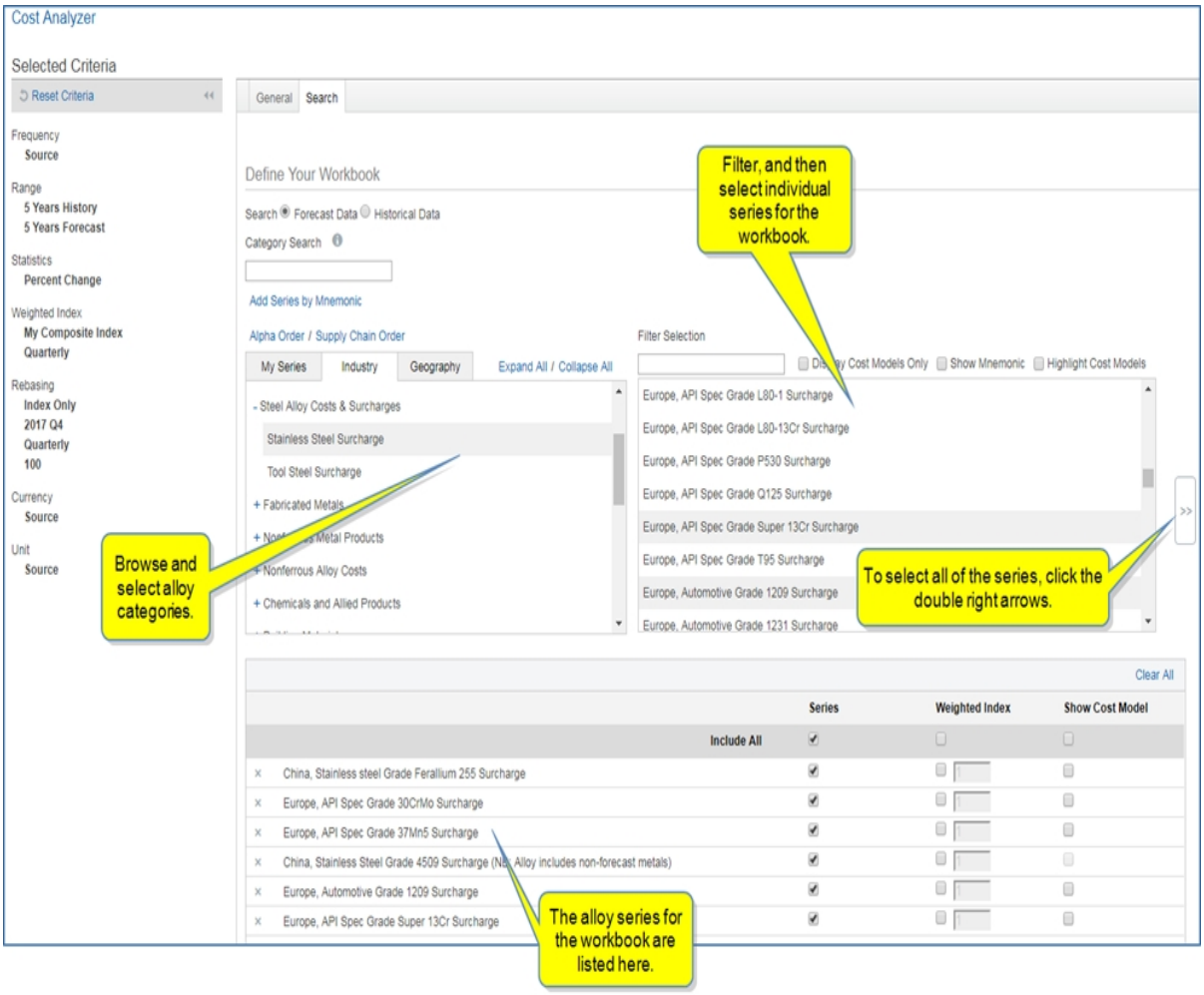
There are two ways to search for alloys when creating a workbook.

- Browse through the search pane by moving the vertical scroll bar until you come to the categories **Steel Alloy Costs & Surcharges**, or **Nonferrous Alloy Costs**.



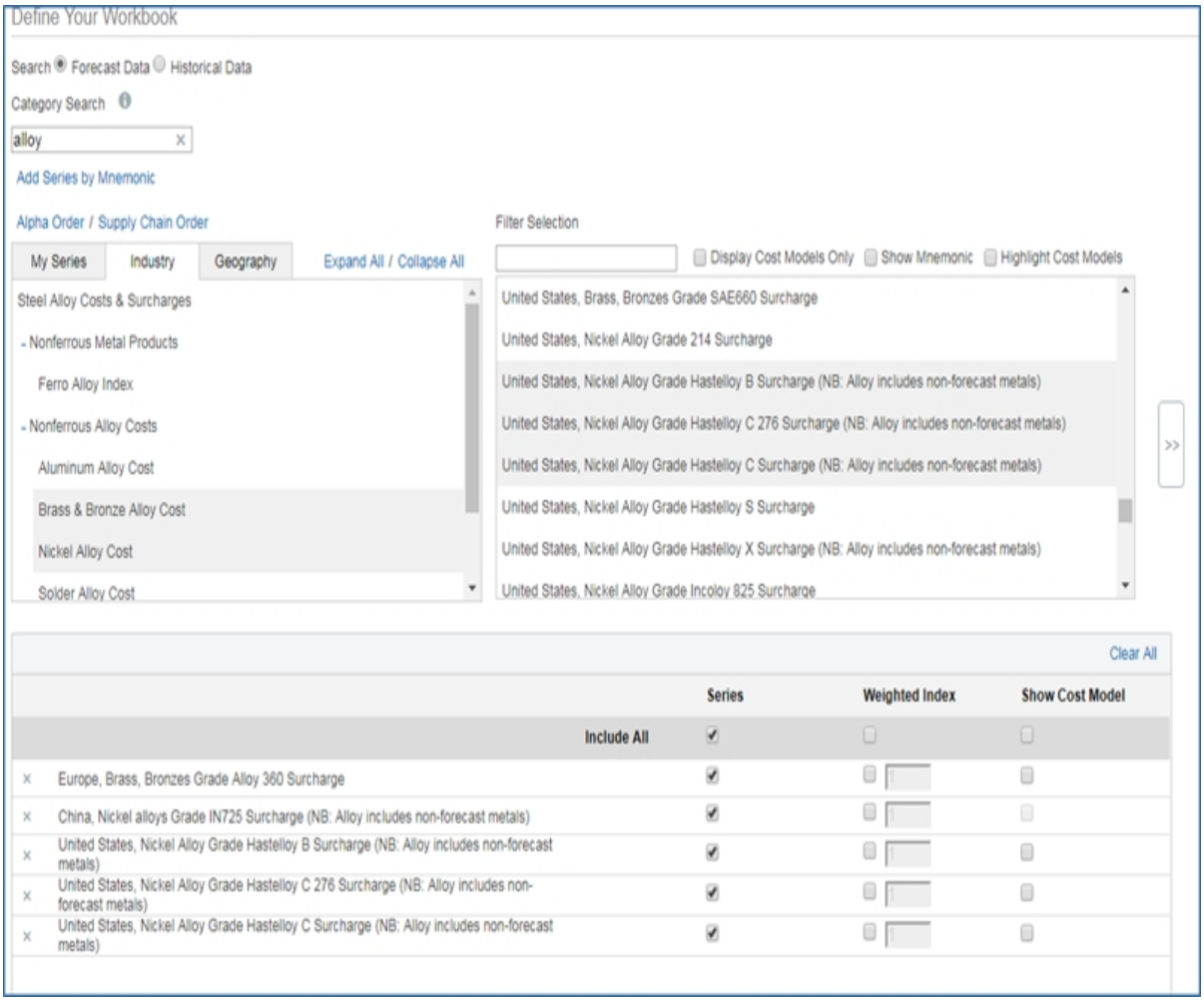
Expand these categories and select sub categories. As you select sub categories, the filter pane populates with series associated with your choices. Apply filters and select the series you want in your workbook by clicking on a series and highlighting it. The series selected for the workbook are displayed

in the third pane.



- Type **Alloy** into the Keyword Search box. The search box filters to show alloy categories. Browse and select the ones you want populated in the filter section.

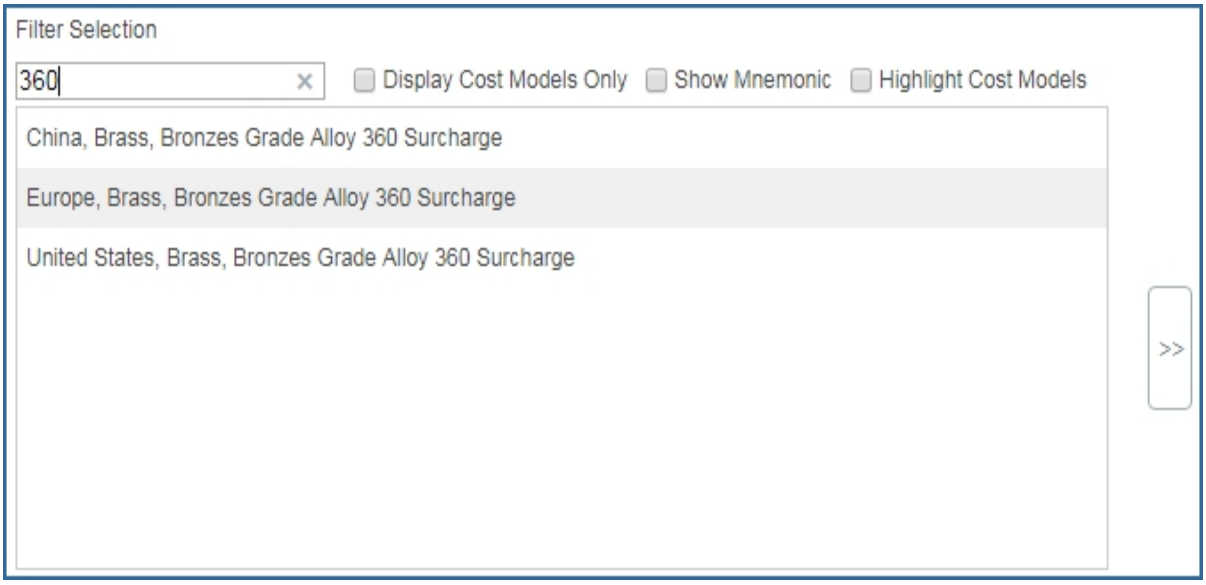
  The results show various grades. Select the series you want in your workbook.



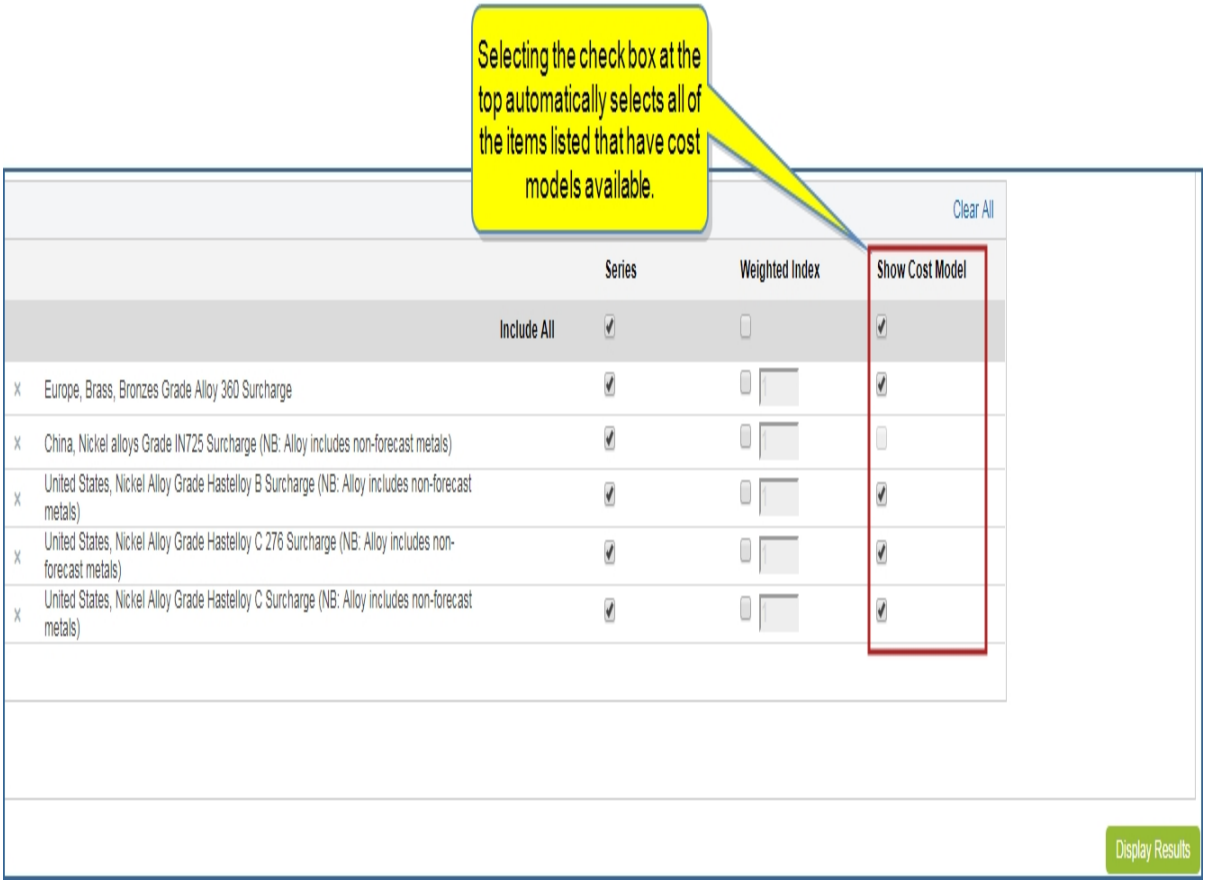
Filtering for a specific grade

You may want to limit your search results to a specific grade. Type the grade into the **Filter selection** box. In the following example, the results are filtered to show a 360 grade of Bronze.

Click the double right arrows to add these series to the workbook.

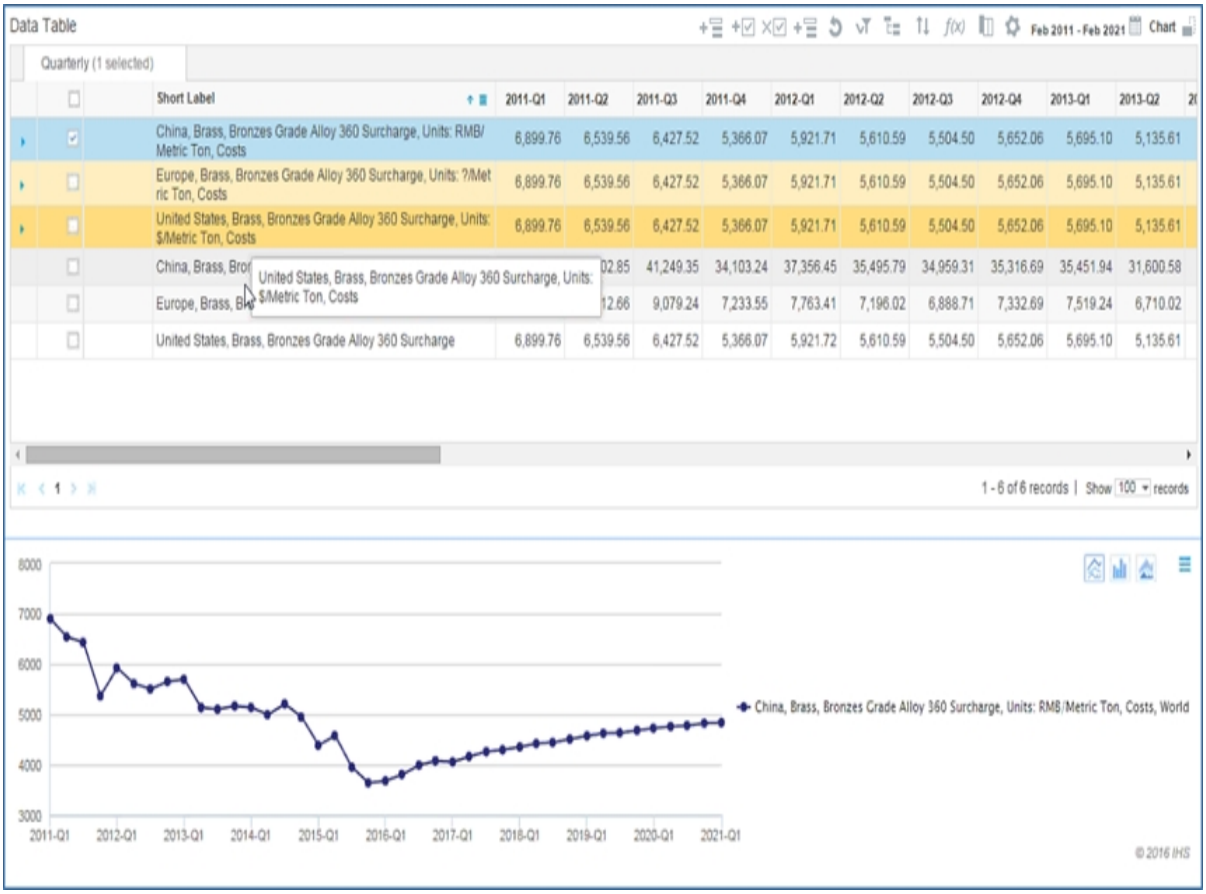


To see the detail of the metals required to produce that grade, select **Show Cost Model**.



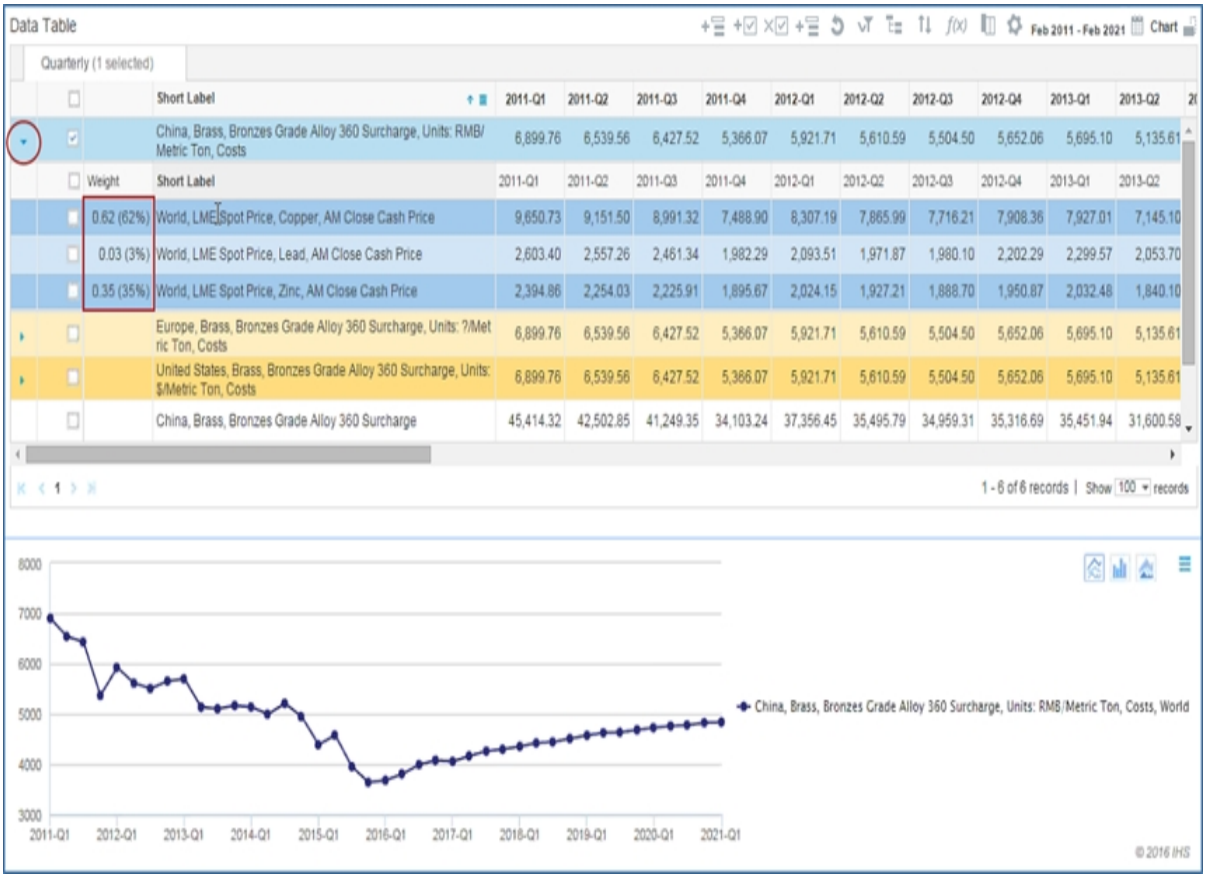
Working with search results

When your search and settings are complete, click Display Results to view the cost model. As with all cost models, when you work with alloys, the same functionality for editing and saving an alloy cost model is available for search results. See Viewing Cost Analysis query results.



The workbook has three highlighted series at the top and three series at the bottom. The series at the bottom are simply the props associated with producing those alloys in the various regions—the data for equivalent concept in the top and the bottom.

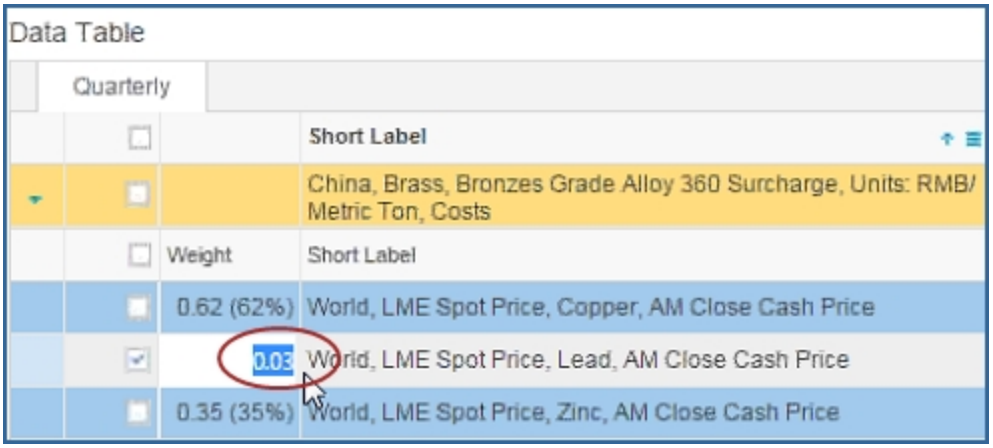
If you want to see the underlying detail for any of the alloy series, click the right arrow. This shows you what goes into the making of that alloy. In the following example, the expanded 360 grade shows 62% Copper, 3% Lead, and 35% Zinc.

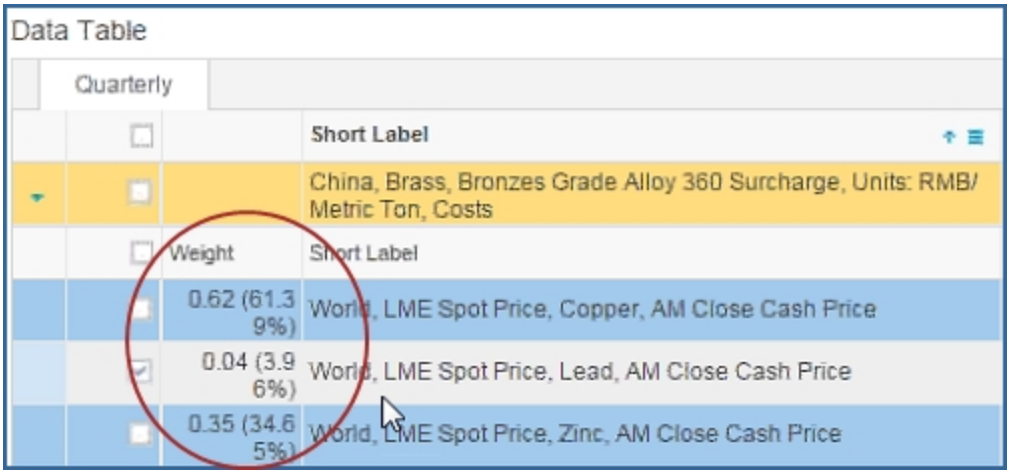


If you want to look for an alloy that has a slightly different composition, you can change the composition by selecting a series and then typing over and rewriting the percent. This will automatically re-rate all three series and resolve the alloy cost model.

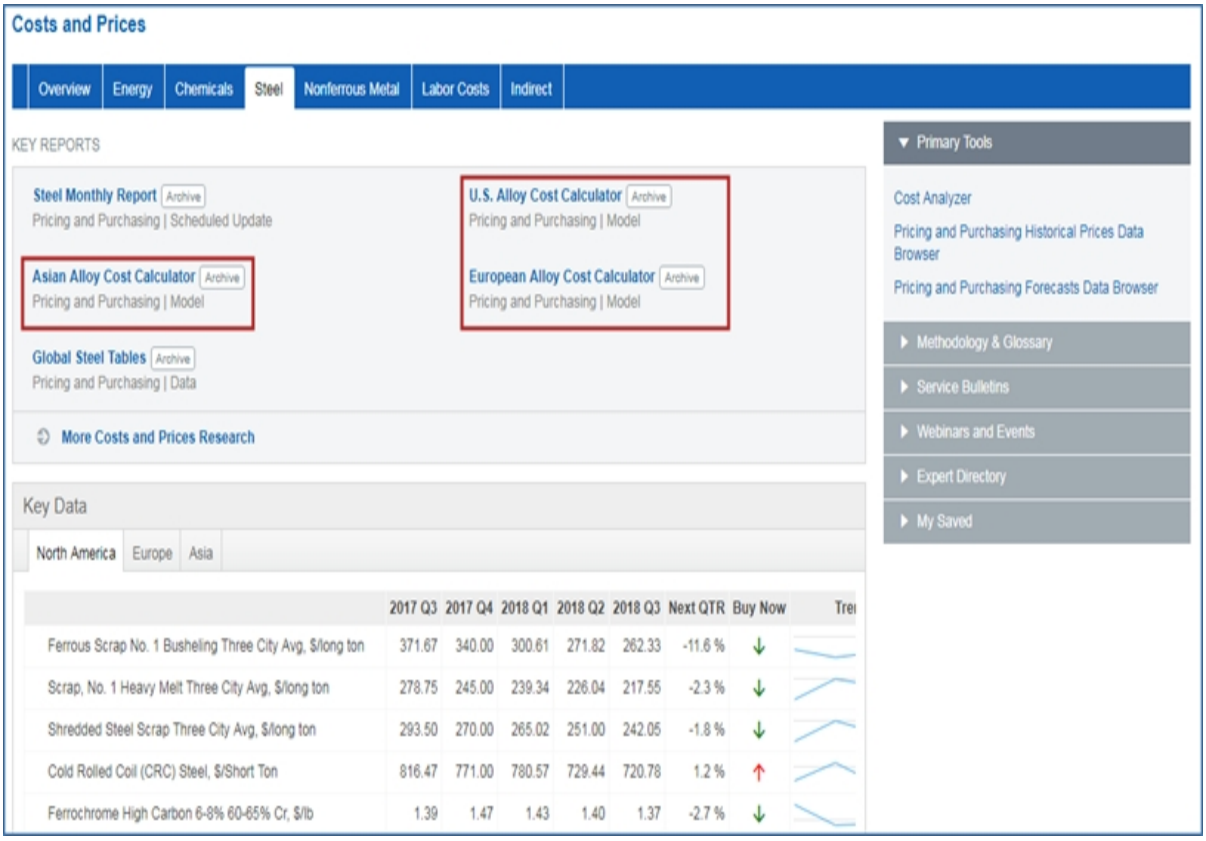
Note: The alloy cost models are not in index form but in actual currency units—Units: RMB/ Metric Ton, Units: Euros/Metric Ton, and Units: $/Metric Ton.

This is an average of the various metals that go into the cost of producing the alloy. It is not the market price of the alloy which may differ greatly from cost during times of shortage or oversupply. The alloy cost model provides insights regarding the cost of production for each alloy based on the market prices of the individual metals required for manufacture.





Note that Alloy cost calculators are available under the **Steel** and **Nonferrous Metal** tabs on the Costs and Prices page. Select **Cost and Prices Home** on the Costs and Prices megamenu to open the Costs and Prices page.


Costs and Prices
Overview
Energy
Chemicals
Steel
Nonferrous Metal
Labor Costs
Indirect
KEY REPORTS
Steel Monthly Report Archive
Pricing and Purchasing | Scheduled Update
U.S. Alloy Cost Calculator Archive
Pricing and Purchasing | Model
Asian Alloy Cost Calculator Archive
Pricing and Purchasing | Model
European Alloy Cost Calculator Archive
Pricing and Purchasing | Model
Global Steel Tables Archive
Pricing and Purchasing | Data
More Costs and Prices Research
Primary Tools
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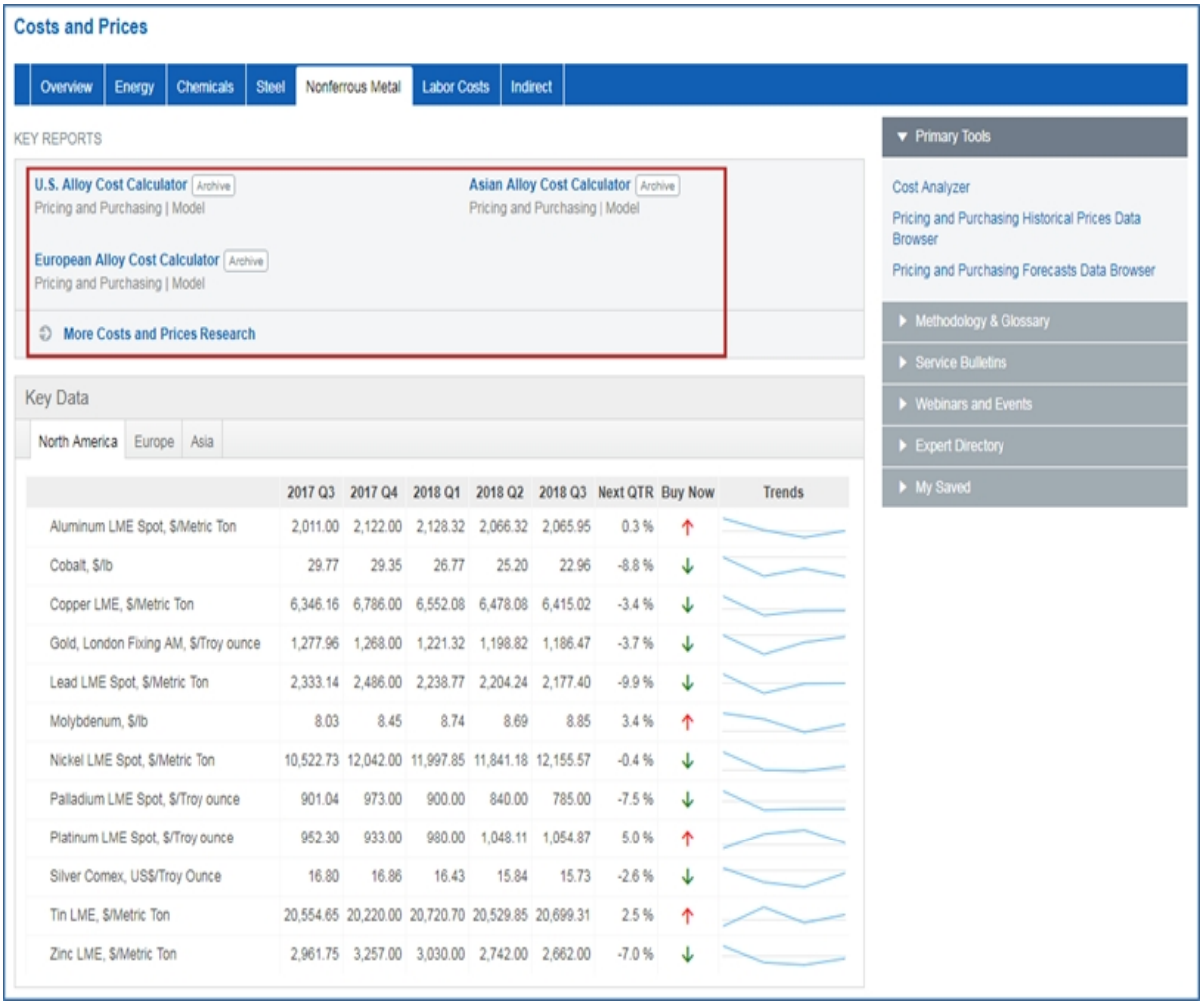
Pricing and Purchasing Historical Prices Data Browser
Pricing and Purchasing Forecasts Data Browser
Methodology & Glossary
Service Bulletins
Webinars and Events
Expert Directory
My Saved
Key Data
North America
Europe
Asia
2017 Q3 2017 Q4 2018 Q1 2018 Q2 2018 Q3 Next QTR Buy Now
Ferrous Scrap No. 1 Busheling Three City Avg, $/long ton 371.67 340.00 300.61 271.82 262.33 -11.6 %
Scrap, No. 1 Heavy Melt Three City Avg, $/long ton 278.75 245.00 239.34 226.04 217.55 -2.3 %
Shredded Steel Scrap Three City Avg, $/long ton 293.50 270.00 265.02 251.00 242.05 -1.8 %
Cold Rolled Coil (CRC) Steel, $/Short Ton 816.47 771.00 780.57 729.44 720.78 1.2 %
Ferrochrome High Carbon 6-8% 60-65% Cr, $/lb 1.39 1.47 1.43 1.40 1.37 -2.7 %


Costs and Prices
Overview
Energy
Chemicals
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U.S. Alloy Cost Calculator Archive
Pricing and Purchasing | Model
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More Costs and Prices Research
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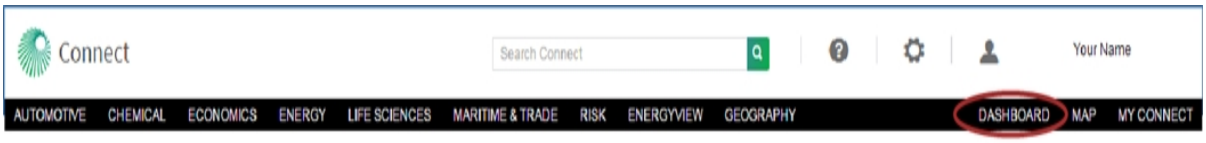
Methodology & Glossary
Service Bulletins
Webinars and Events
Expert Directory
My Saved
Key Data
North America
Europe
Asia
2017 Q3 2017 Q4 2018 Q1 2018 Q2 2018 Q3 Next QTR Buy Now Trends
Aluminum LME Spot, $/Metric Ton 2,011.00 2,122.00 2,128.32 2,066.32 2,065.95 0.3 %
Cobalt, $/lb 29.77 29.35 26.77 25.20 22.96 -8.8 %
Copper LME, $/Metric Ton 6,346.16 6,786.00 6,552.08 6,478.08 6,415.02 -3.4 %
Gold, London Fixing AM, $/Troy ounce 1,277.96 1,268.00 1,221.32 1,198.82 1,186.47 -3.7 %
Lead LME Spot, $/Metric Ton 2,333.14 2,486.00 2,238.77 2,204.24 2,177.40 -9.9 %
Molybdenum, $/lb 8.03 8.45 8.74 8.69 8.85 3.4 %
Nickel LME Spot, $/Metric Ton 10,522.73 12,042.00 11,997.85 11,841.18 12,155.57 -0.4 %
Palladium LME Spot, $/Troy ounce 901.04 973.00 900.00 840.00 785.00 -7.5 %
Platinum LME Spot, $/Troy ounce 952.30 933.00 980.00 1,048.11 1,054.87 5.0 %
Silver Comex, US$/Troy Ounce 16.80 16.86 16.43 15.84 15.73 -2.6 %
Tin LME, $/Metric Ton 20,554.65 20,220.00 20,720.70 20,529.85 20,699.31 2.5 %
Zinc LME, $/Metric Ton 2,961.75 3,257.00 3,030.00 2,742.00 2,662.00 -7.0 %

Dashboard

Creating and saving dashboards

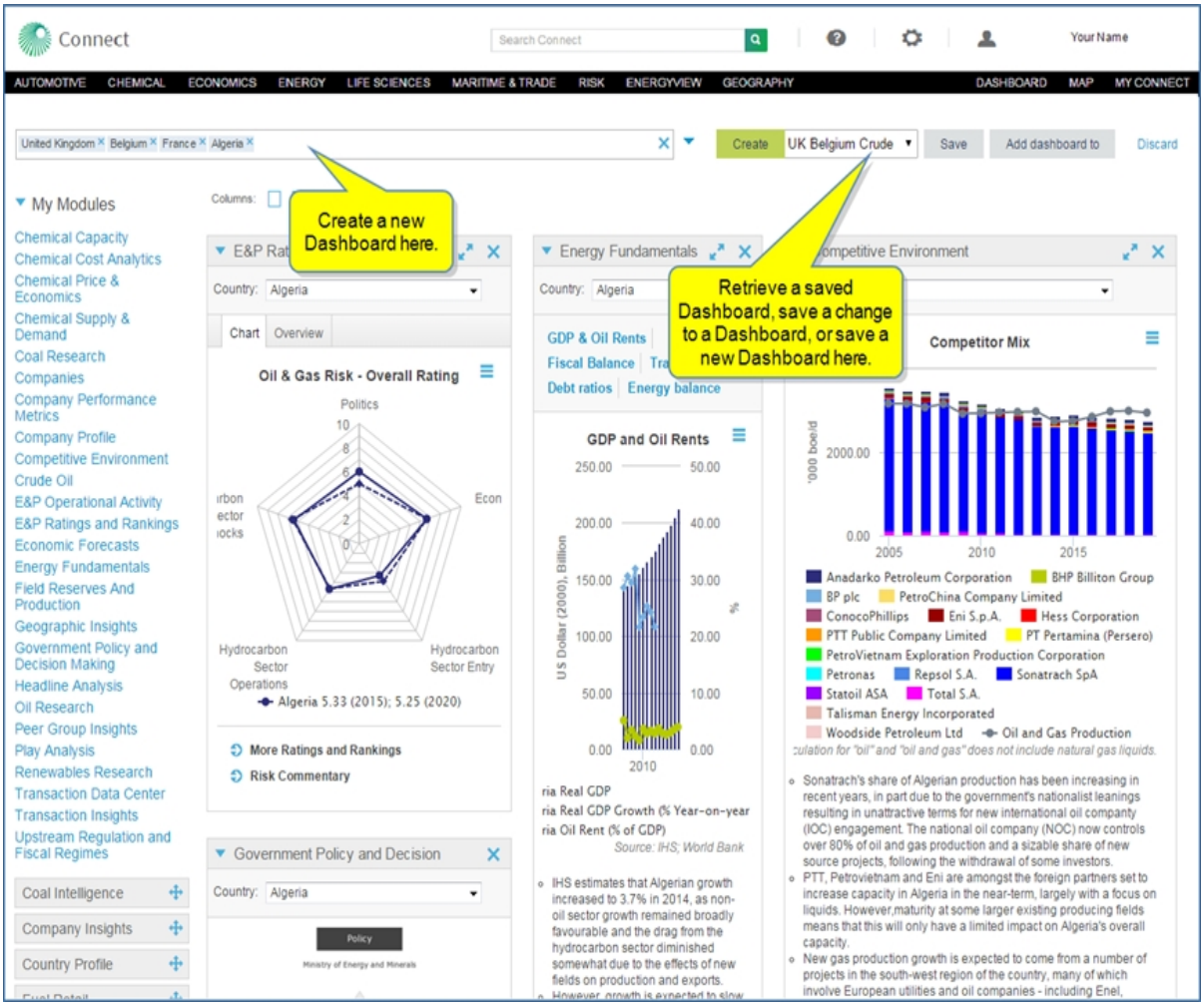
The Dashboard page provides a workspace where you can design your workflow and dig deeper into the details of research for Country Risk, Economics, Energy, and Chemical domains on Connect. Open modules, which are content sets with a particular perspective and view of data, and arrange them in columns to meet your workflow needs. Manipulate the display of data within a module by using the various tools, icon buttons, and links provided on each module window. You'll find the Dashboard tool under the Tools tab.



The first time you open the Dashboard page, use the **Create** function to set up your first dashboard. When you subsequently return to the Dashboard page, your most recently viewed layout is displayed. You can then create a new dashboard, continue working on the current dashboard and save changes, bring up a saved dashboard, or discard a dashboard.

Dashboard subtopics:

- Creating a Dashboard
- Saving and retrieving dashboard layouts
- Making changes to the dashboard



Creating a Dashboard

A Dashboard brings together the information for the countries and companies you select on one page. Content type modules carry focused analytical and insight information in reports, research, editorials, charts, and data series. You can open and arrange the content type modules as you choose.

To create a Dashboard

From the Tools / Dashboard page, do the following:

1. Enter one or more countries and /or companies and /or chemicals in the **Create** field.

   Connect displays a drop-down selection list when you make an entry. In the following example, select **Belgium**.

Belgium appears in the Create a dashboard field.

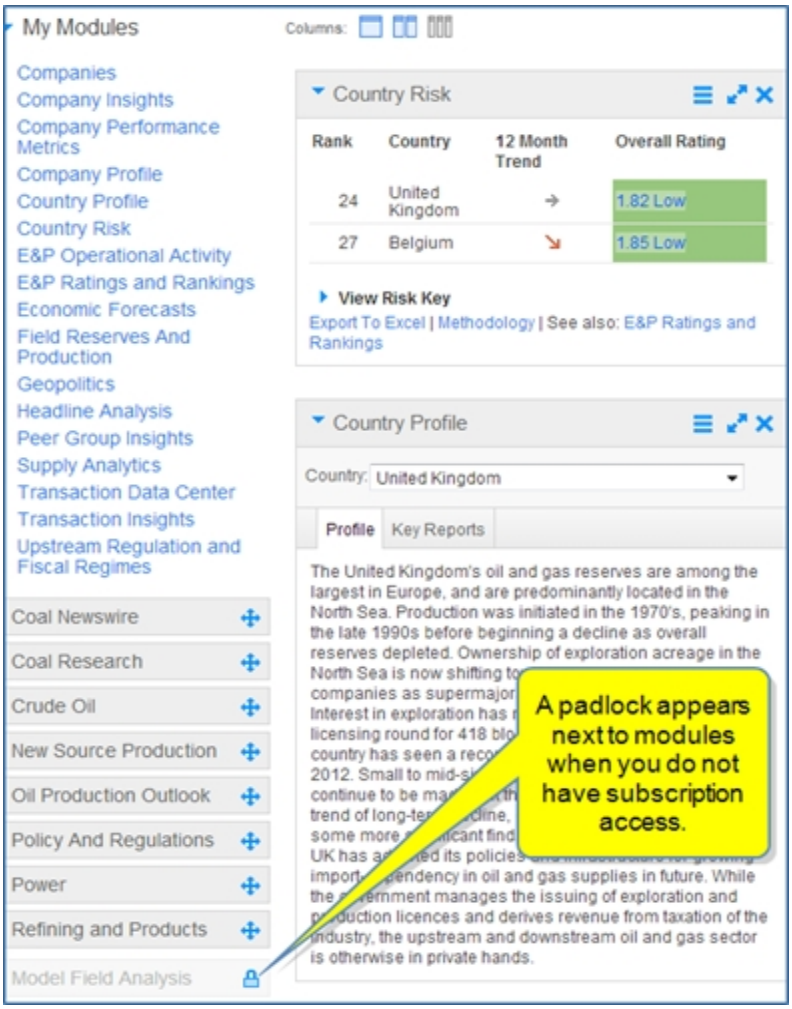
2. Click the **X** after United Kingdom or Belgium if you want to delete either entry before clicking the **Create** button, backspace to delete the last entry.

3. When you have made your final selections, click the **Create** button.

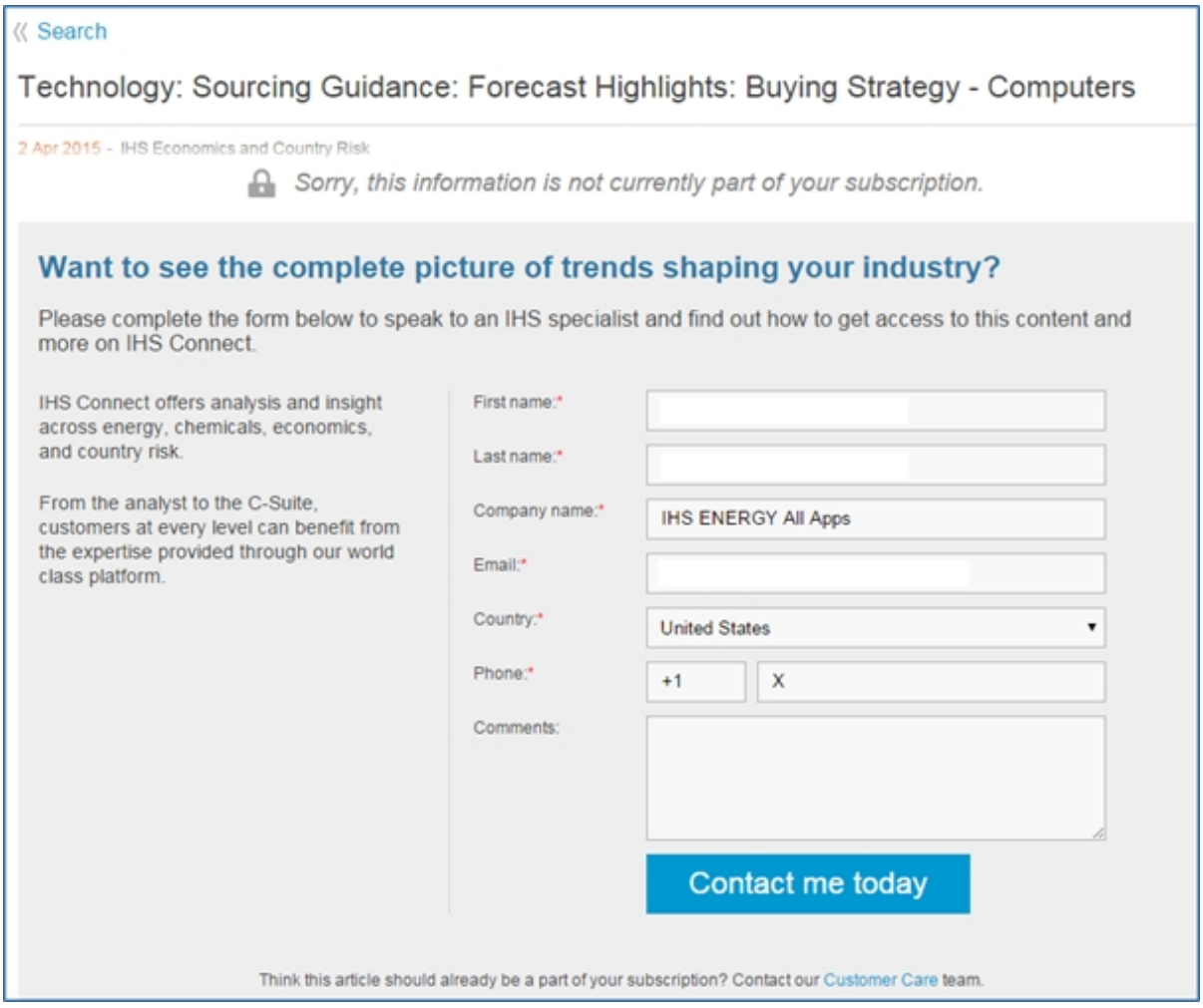
   Connect loads the research data onto the dashboard.

   Note: You can set subscription preferences. See General Overview to review those settings.

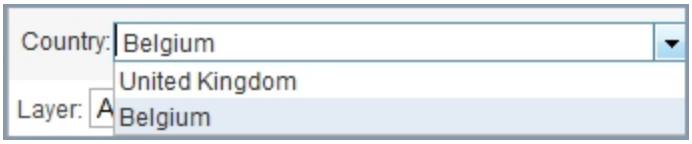
   If the dashboard displays padlocks next to module names under My Modules, your subscription does not include the padlocked items.



If you click one of the padlocked items, a message is displayed explaining that you do not have access to the non-subscribed content.

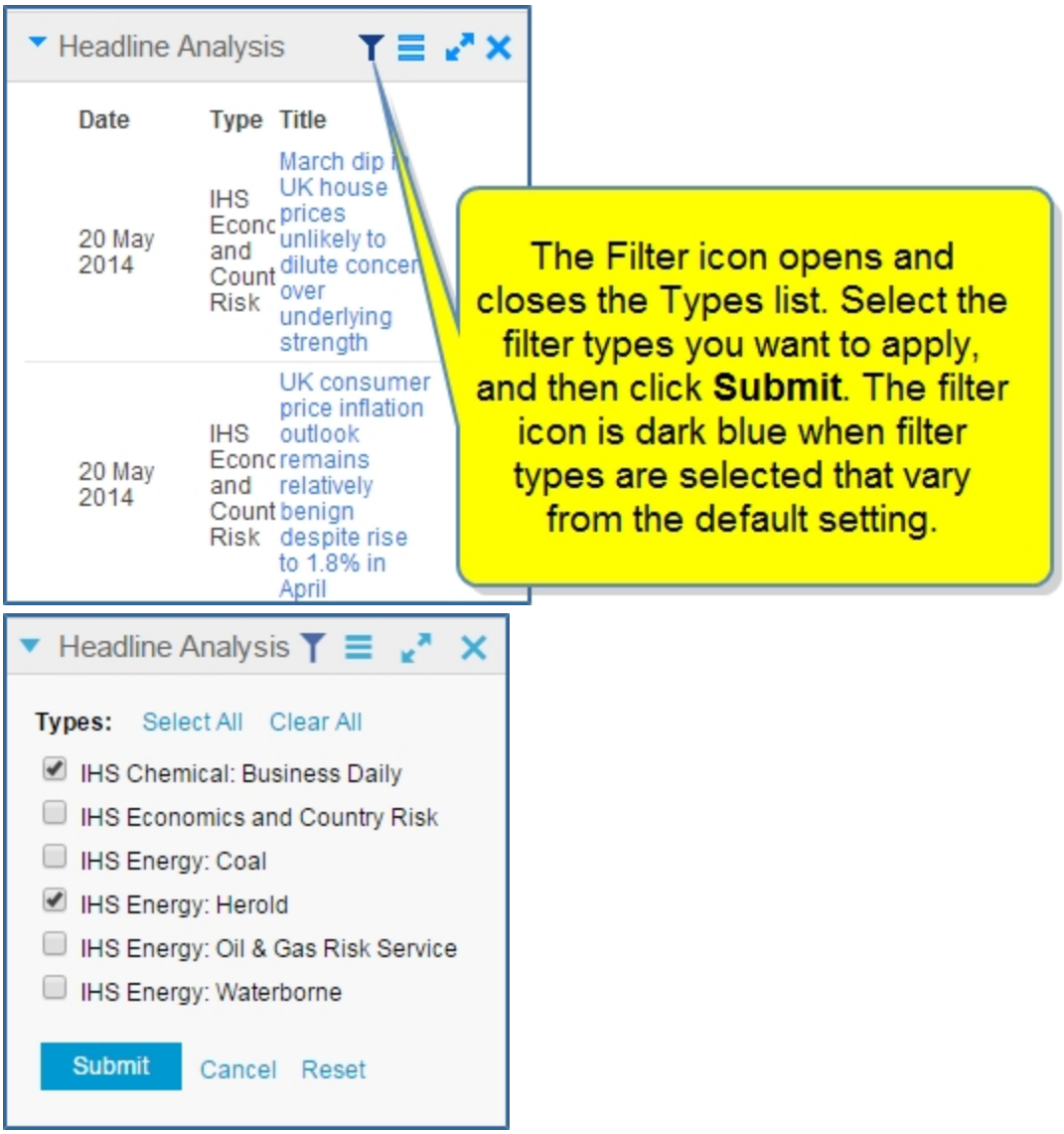


4. To see the research for United Kingdom or Belgium in modules with a Country field, click the drop-down arrow and select the country you want to view.



Connect loads the research data for your selection.

5. To select or deselect filter Types, select the **Filter** icon, if available in a module, and then click **Submit**. You also have the options to **Cancel** or **Reset**.

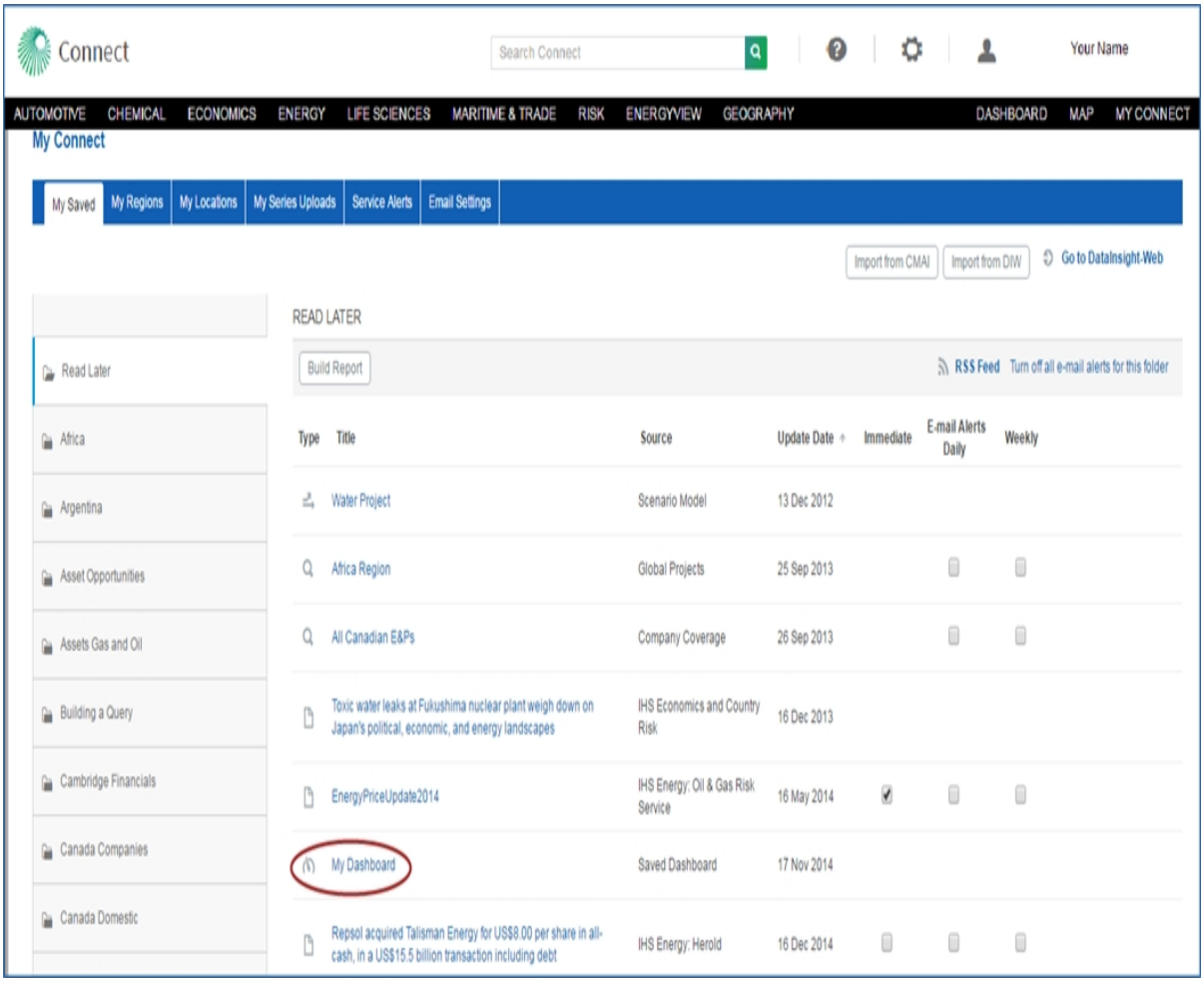


6. To use the Dashboard and customize the layout, see Customizing and identifying tools on the Dashboard.

...

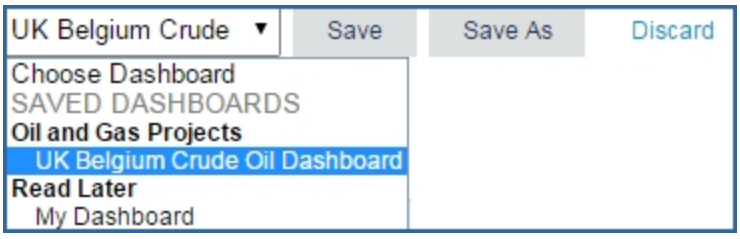
Saving and retrieving dashboard layouts

Once you've created a dashboard layout, you can save it on My Connect. By default, the Read Later project folder on My Connect contains My Dashboard. You can, however, save a dashboard with any name to any folder on My Saved. Once saved, it is available for selection on the Dashboard page.



Note: You must use the saving options on the Dashboard page to save a dashboard layout to a folder on My Connect.

Let's focus on the options for saving or retrieving a dashboard by identifying the functionality of the save area on the Dashboard page.



The save Dashboard area of the page contains **UK Belgium Crude Oil Dashboard** in the selected field with a drop down arrow.

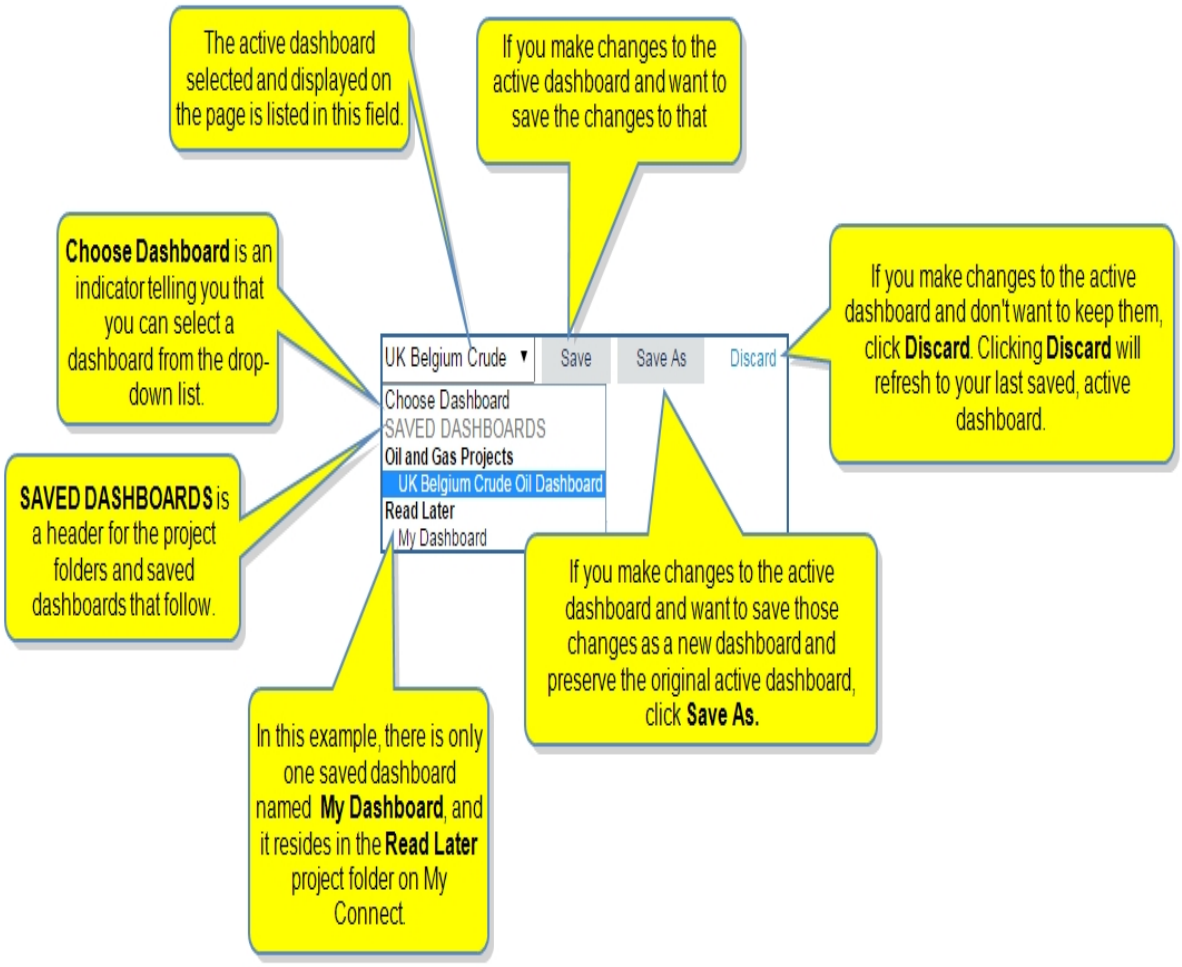
In the drop down, Choose Dashboard is an indicator telling you that you can select a dashboard from the drop-down list.

SAVED DASHBOARDS is a header for the project folders and saved dashboards listed. The listed project folders and saved dashboards are stored on My Connect.

Also displayed are buttons for **Save** and **Save As**. Additionally, the **Discard** link is available for removing modifications to a dashboard.

- If you make changes to the active dashboard and want to save the changes to that dashboard, click **Save**.
- If you make changes to the active dashboard and want to save those changes as a new dashboard and preserve the original active dashboard, click **Save As**.
- If you make changes to the active dashboard and don't want to keep them, click **Discard**. Clicking **Discard** will refresh to your last saved, active dashboard.

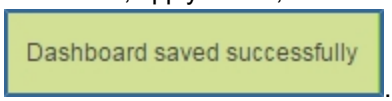
To view the illustration, hover the mouse over the following graphic.



Making changes to the dashboard

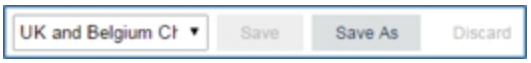
Let's explore the **Save**, **Save As**, and **Discard** functions.

Save

When you delete a module, add a module, apply a filter, or move a module to a different location, and then click **Save**, Connect displays, 

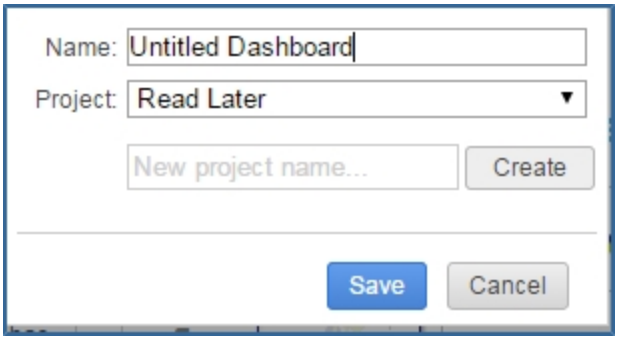
.

Note that the **Save As** button is active, but the Save button and the Discard link are grayed out. You do have the option to save this dashboard with a different name, but the save function does not apply because we have already saved the changes.

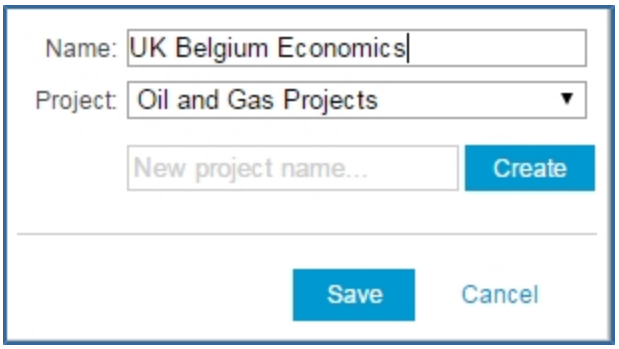


Save As

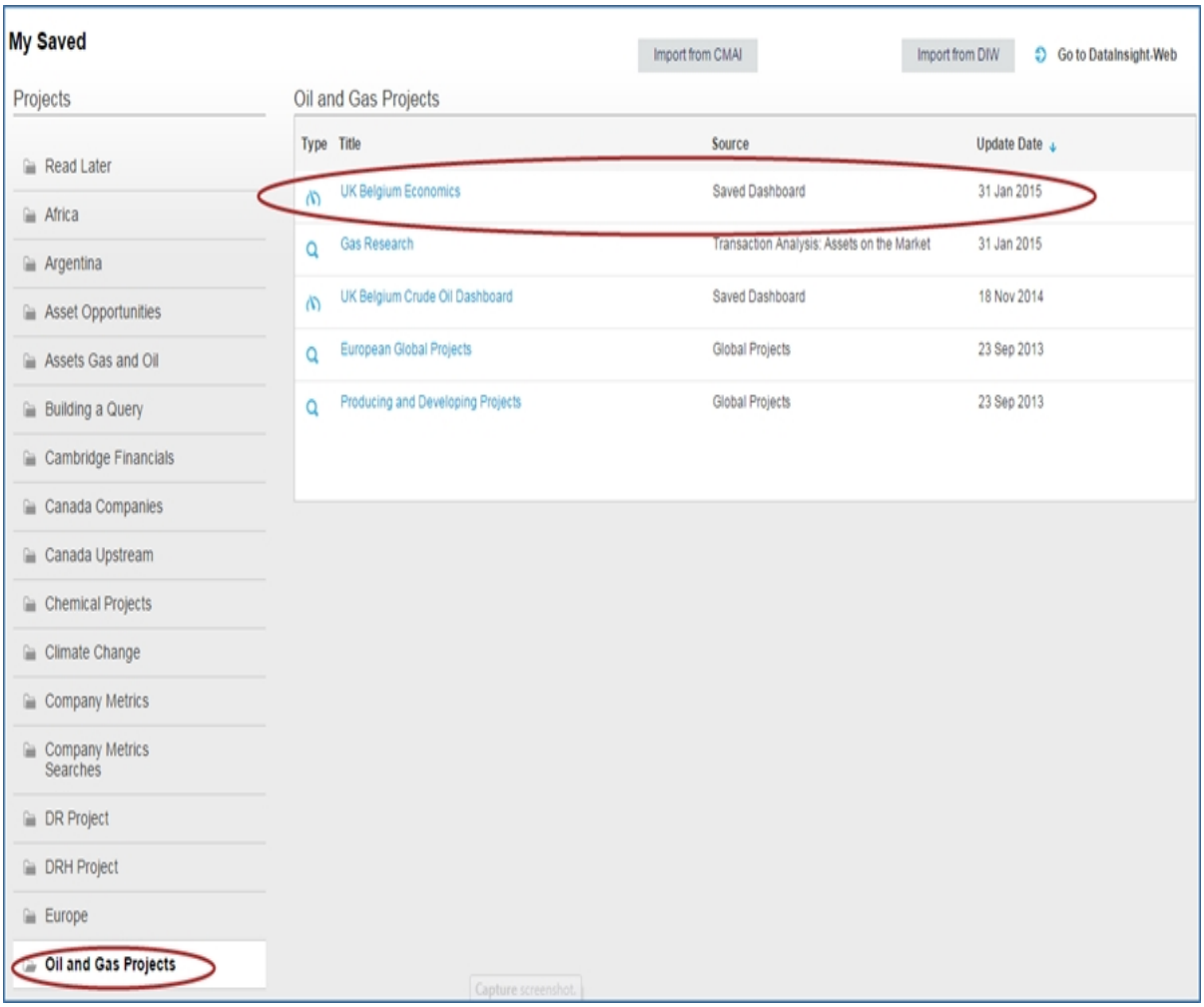
When you delete a module, add a module, apply a filter, or move a module to a different location, and then click **Save As**, a save dialog box is displayed.



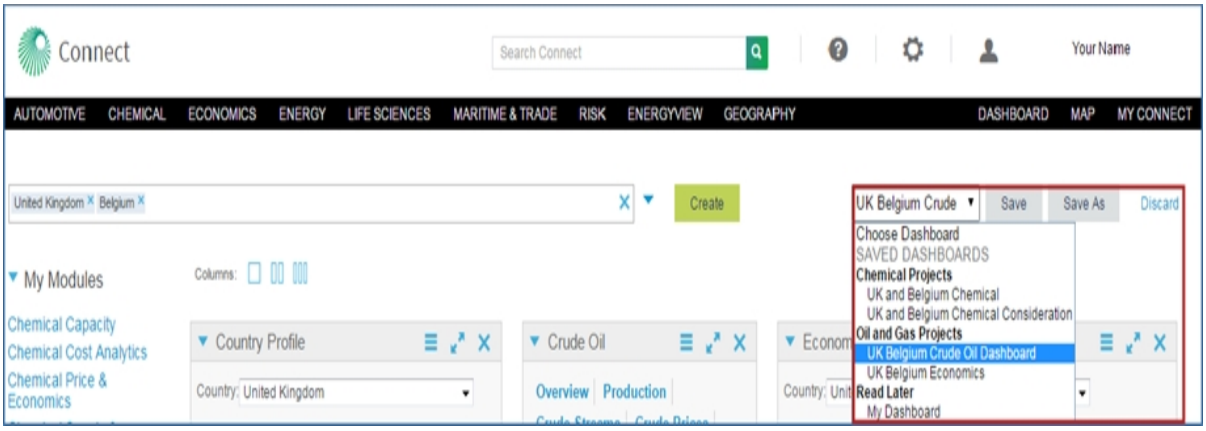
Let's name the dashboard "UK Belgium Economics" and place it in the Oil and Gas Projects project folder. We could create a New project name and create it as well, but in this example we'll select an existing project folder.



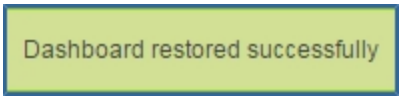
When we click **Save**, we again see the Dashboard saved successfully message, and find the new dashboard posted in the Oil and Gas Projects folder on My Saved. (To removed saved items from My Connect/ My Saved, see > Project Folder items.)



Now, the save dashboard area displays the UK Belgium Crude Oil dashboard as active, and we see it listed in the drop-down list under the Oil and Gas Projects folder. **Save As** is active, which means we can keep saving the dashboard with new names and to other folders.



Discard

When we delete a module, add a module, apply a filter, or move a module to a different location, and then click **Discard**, Connect displays 

indicating the dashboard has been returned to your last saved selections.

Customizing and identifying tools on the Dashboard

There are many ways to change the layout on the Dashboard to make it your personal work space. The content sets or research categories are organized into modules and listed on the left under My Modules. The first time you open the Dashboard, the modules listed as blue links are open on the dashboard. The modules displayed with a gray bar and cross hatch arrows are modules that are available but not yet displayed on the dashboard. The modules displayed with padlocks are modules that are available but not part of your current subscription. Please contact your local IHS Markit Customer Care representative for more information on accessing padlocked modules.

Adjusting Columns

- You can organize the dashboard with one, two, or three columns. Click the button appropriate for the number of columns you want displayed.

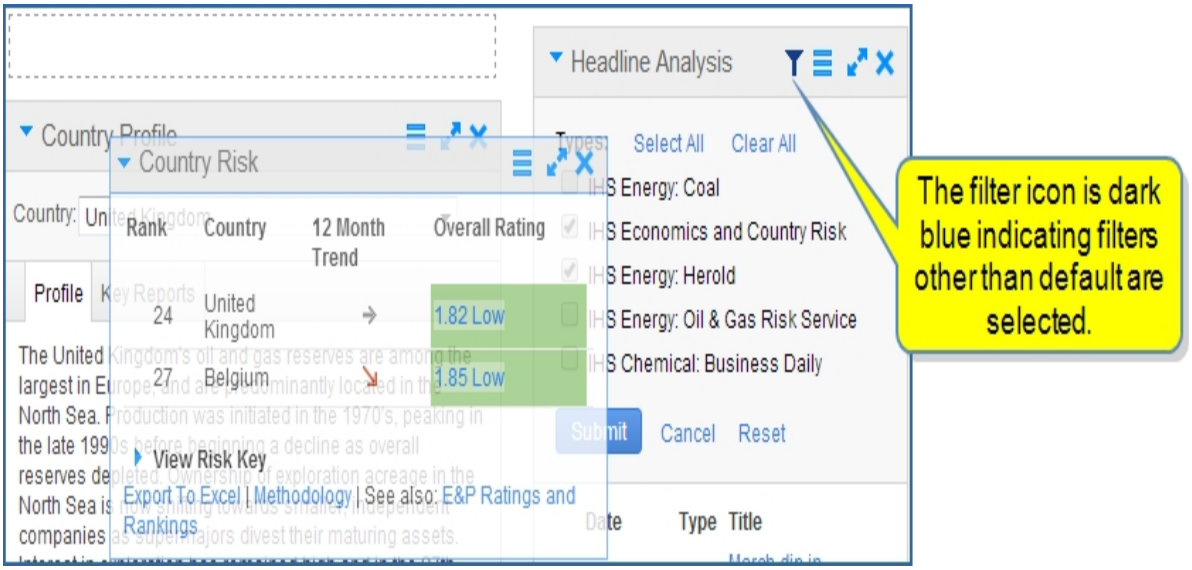
Navigating My Modules

- Blue lettering at the top of the My Modules list in the left pane indicates modules that are open on the dashboard. Left-clicking the blue lettering opens the module in a maximized view. From the Maximize view, click the Minimize button to return to the dashboard view.

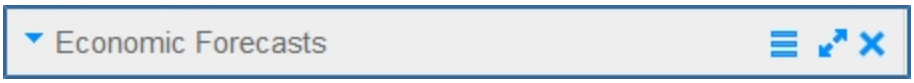
- The encapsulated module names with the white cross-hatch in the My Modules list indicate modules that you have access to, but the modules are not open on your dashboard. When you double click a module, it will open with the appropriate research data in the first position of the first column on the dashboard. Alternatively, add modules to the dashboard by grabbing the gray bar and dragging and dropping onto the dashboard, putting them in an order that meets your specific workflow needs.

Working with Modules on the Dashboard

- Once a module shows on the dashboard, you can move it by placing the cursor in the top bar of the module and dragging and dropping into position. As you move the bar in a column, a dotted-lined box indicates when the module will lodge once you release the mouse button. You can also click the mouse once in the bar to secure the module in its new place.

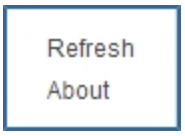


- The left arrow maximizes and minimizes the module window in the dashboard when you click it.

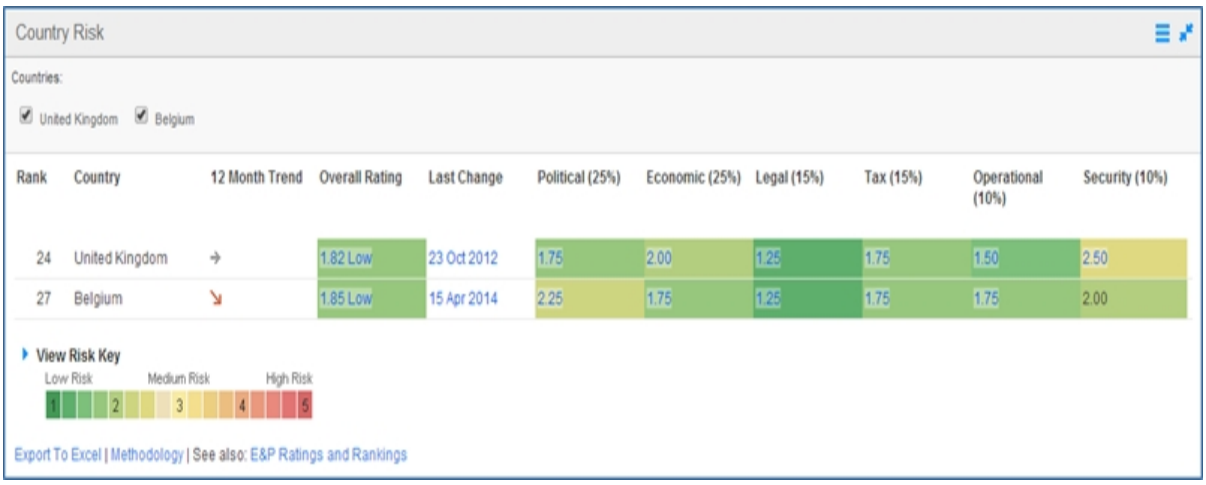


- When you click the Menu bar , a pop-up window with linked options is displayed.

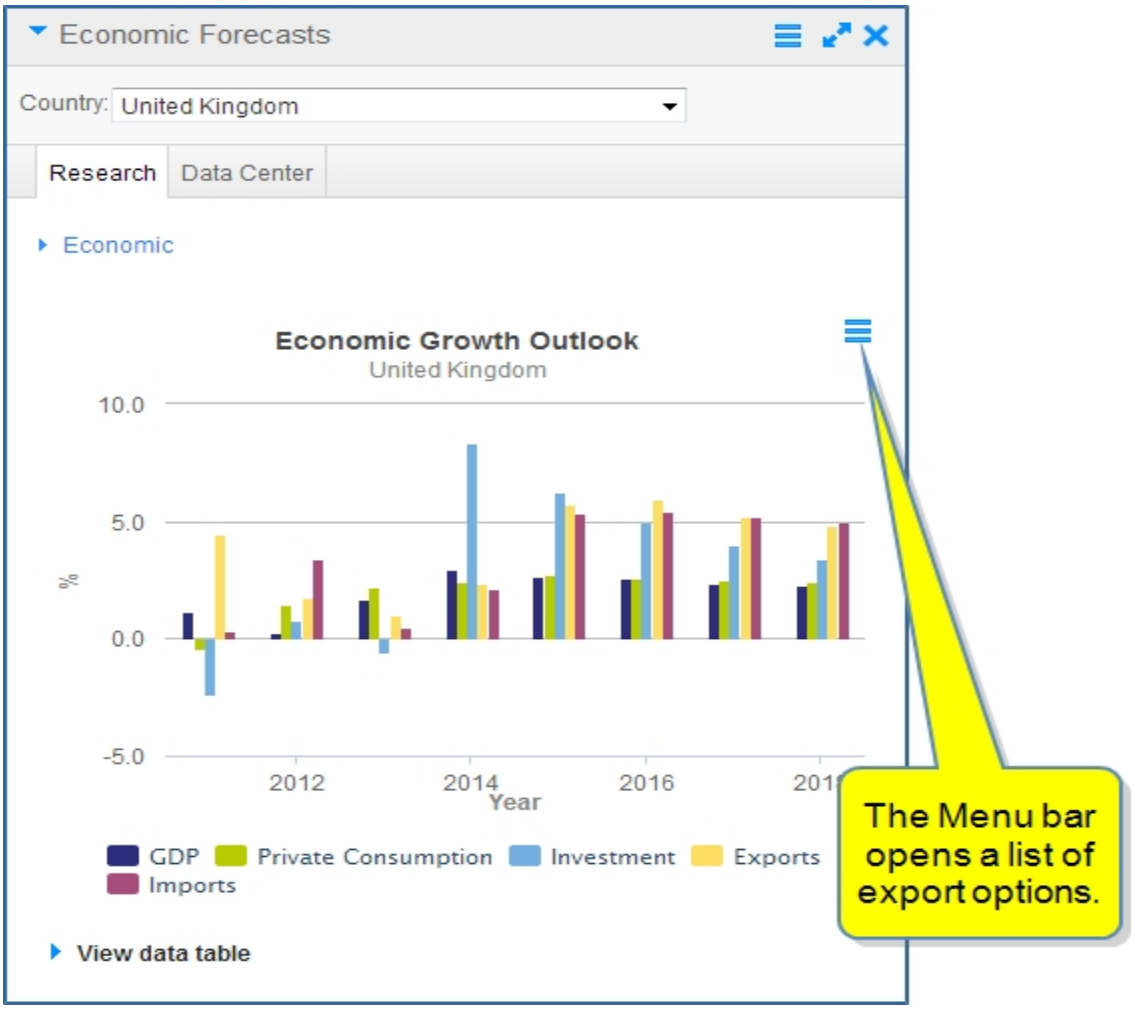
  In this example, you can **Refresh** the data in the module or read a short description about the module when you select **About**.



- The Maximize button enlarges that particular module to fill the window, in most cases providing more detailed research. When you want to go back to the column layout, click the Minimize button.



- The Close button removes the module from the dashboard. See Navigating My Modules above to add the module back to the dashboard.
- If you click the title link for an article, Connect either opens the article as a PDF document or displays the article with a button to Export to PDF and a column for Last Viewed articles. The articles in Last Viewed are linked so you can open them.
- When you review a module that contains a chart, a View data table link is displayed.



When you click the **View data table** link, a data table is added to the chart with a link to **Export to Excel**.

Hide data table Export to Excel

	2011	2012	2013	2014	2015	2016	2017	2018
GDP	1.12	0.28	1.66	2.96	2.61	2.60	2.37	2.27
Private Consumption	-0.40	1.42	2.23	2.42	2.74	2.61	2.47	2.41
Investment	-2.37	0.78	-0.56	8.33	6.27	4.96	4.03	3.41
Exports	4.46	1.74	1.02	2.36	5.72	5.92	5.23	4.81
Imports	0.29	3.37	0.50	2.16	5.35	5.41	5.21	4.98

Data Browser

About Data Browser

The Data Browser tool gives you the ability to select, view, manipulate, and save data series from the datasets to which you have subscribed. You can view the series in a Data Table and in the associated Chart, apply functions to the data, set date ranges, save the queries and the data series, export to Excel as a static file or refreshable file, refresh an Excel document, modify the chart, export the chart, or customize it in the Chart Editor.

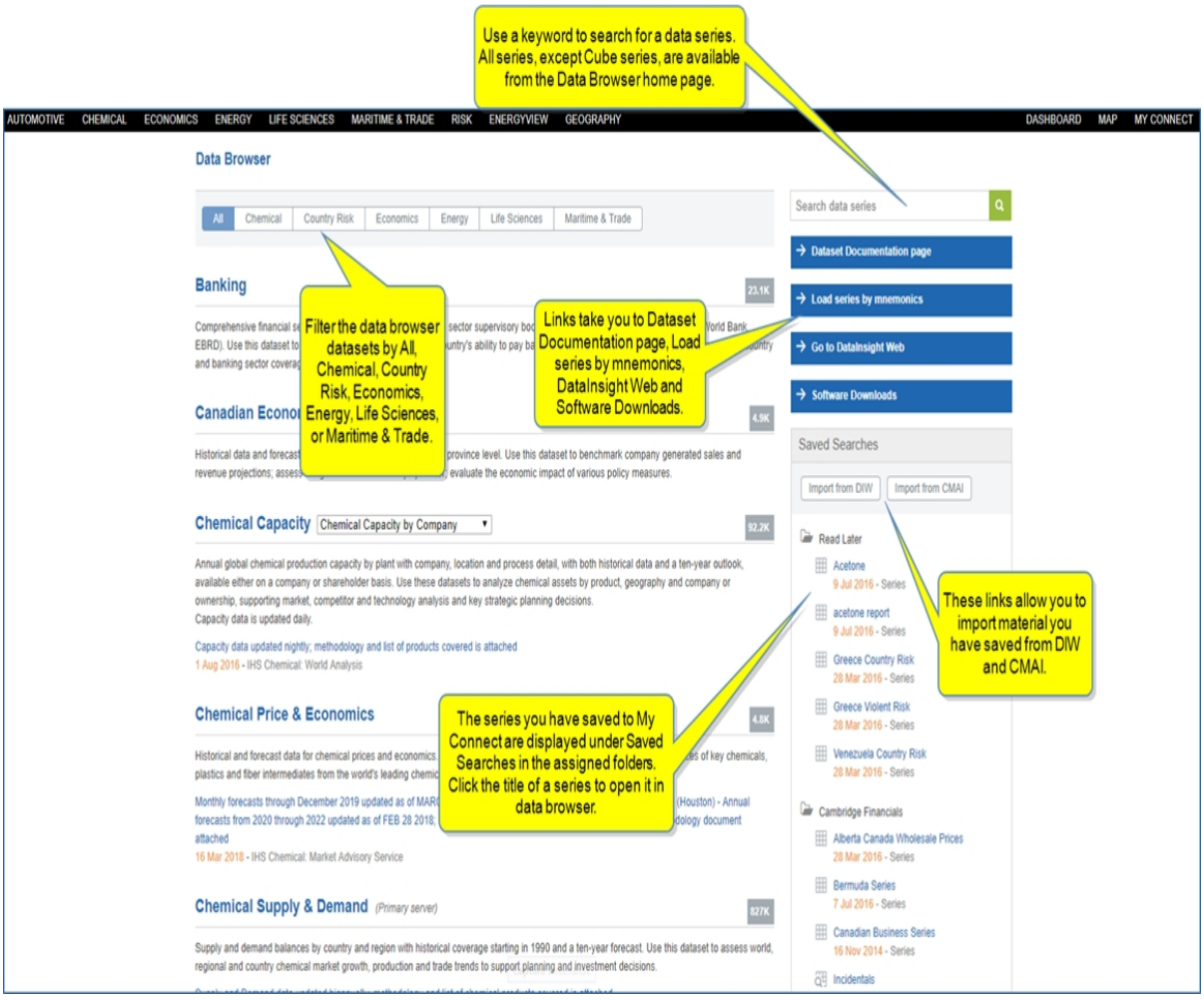
The Data Browser tool is available in the Chemical, Economics, Energy, Life Sciences, Maritime & Trade, and Risk menus. Find links to Data Browser in the right pane under Tools.

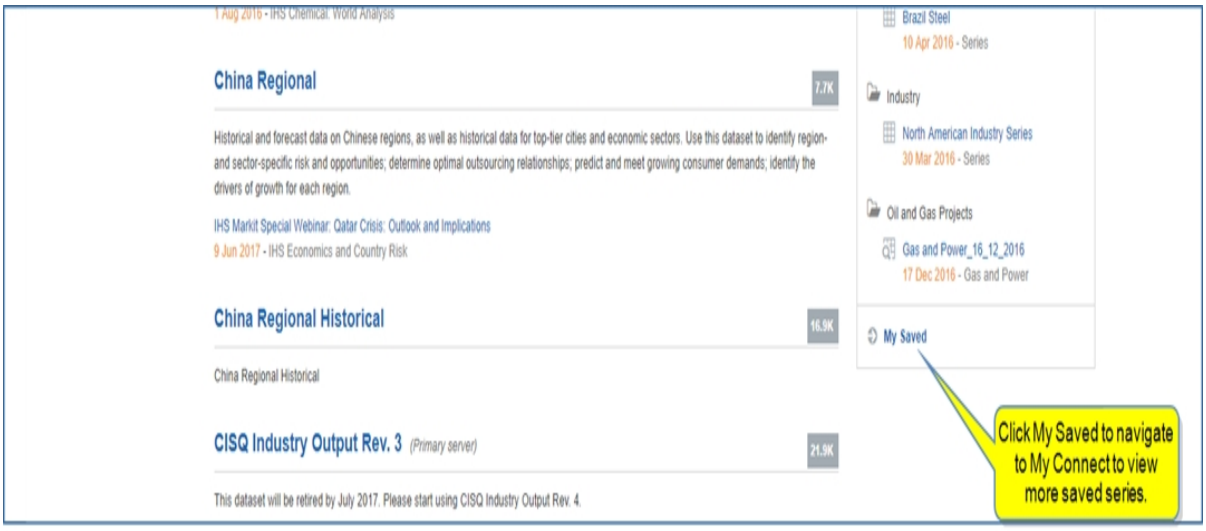
The Chemical Capacity dataset offers Chemical Capacity Formatted Tables that you export to Excel. The predefined, formatted tables organize time series and subtotals for ease of use, readability, and presentation.

Data Browser main page

The main page for Data Browser lists all the datasets available. You can filter the list by **All**, **Chemical**, **Country Risk**, **Economics**, **Energy**, **Life Sciences**, or **Maritime & Trade**.

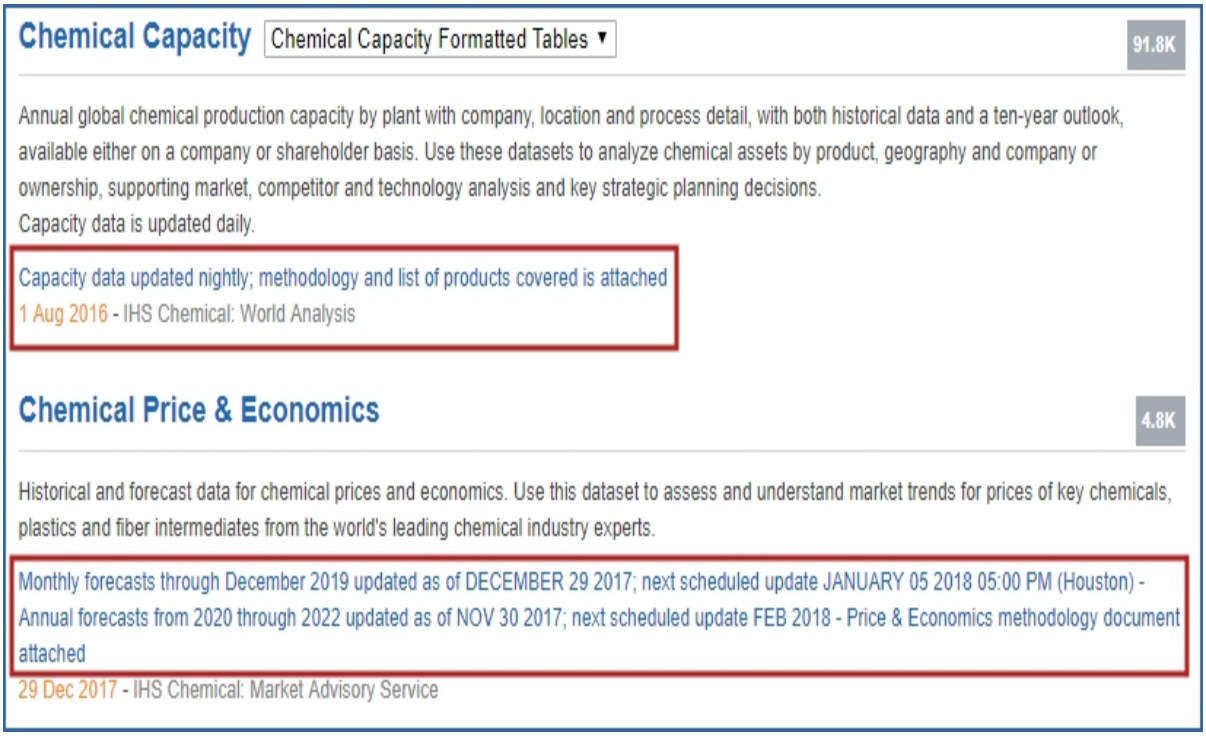
The right pane offers a **Search data series** keyword field, links to the **Dataset Documentation page**, **Load series by mnemonics**, **DataInsight Web** and **Software Downloads**. In addition, under Saved Searches, you can **Import from DIW** or **Import from CMAI**, and you can view the series you have saved on My Connect. If you want to go directly to My Connect to view more saved series, click the **My Saved** link at the bottom of Saved Searches.


Use a keyword to search for a data series. All series, except Cube series, are available from the Data Browser home page.
AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK ENERGYVIEW GEOGRAPHY
DASHBOARD MAP MY CONNECT
Data Browser
All Chemical Country Risk Economics Energy Life Sciences Maritime & Trade
Search data series
Dataset Documentation page
Load series by mnemonics
Go to DataInsight Web
Software Downloads
Filter the data browser datasets by All, Chemical, Country Risk, Economics, Energy, Life Sciences, or Maritime & Trade.
Links take you to Dataset Documentation page, Load series by mnemonics, DataInsight Web and Software Downloads.
Banking
Canadian Econo
Chemical Capacity
Chemical Capacity by Company
Chemical Price & Economics
Chemical Supply & Demand (Primary server)
Saved Searches
Import from DIW
Import from CMAI
These links allow you to import material you have saved from DIW and CMAI.
Read Later
Acetone
9 Jul 2016 - Series
acetone report
9 Jul 2016 - Series
Greece Country Risk
28 Mar 2016 - Series
Greece Violent Risk
28 Mar 2016 - Series
Venezuela Country Risk
28 Mar 2016 - Series
Cambridge Financials
Alberta Canada Wholesale Prices
28 Mar 2016 - Series
Bermuda Series
7 Jul 2016 - Series
Canadian Business Series
16 Nov 2014 - Series
Incidentals
The series you have saved to My Connect are displayed under Saved Searches in the assigned folders. Click the title of a series to open it in data browser.


1 Aug 2016 - IHS Chemical: World Analysis
China Regional
Historical and forecast data on Chinese regions, as well as historical data for top-tier cities and economic sectors. Use this dataset to identify region- and sector-specific risk and opportunities; determine optimal outsourcing relationships; predict and meet growing consumer demands; identify the drivers of growth for each region.
IHS Markit Special Webinar: Qatar Crisis: Outlook and Implications
9 Jun 2017 - IHS Economics and Country Risk
China Regional Historical
China Regional Historical
CISQ Industry Output Rev. 3 (Primary server)
This dataset will be retired by July 2017. Please start using CISQ Industry Output Rev. 4.
Brazil Steel
10 Apr 2016 - Series
Industry
North American Industry Series
30 Mar 2016 - Series
Oil and Gas Projects
Gas and Power_16_12_2016
17 Dec 2016 - Gas and Power
My Saved
Click My Saved to navigate to My Connect to view more saved series.

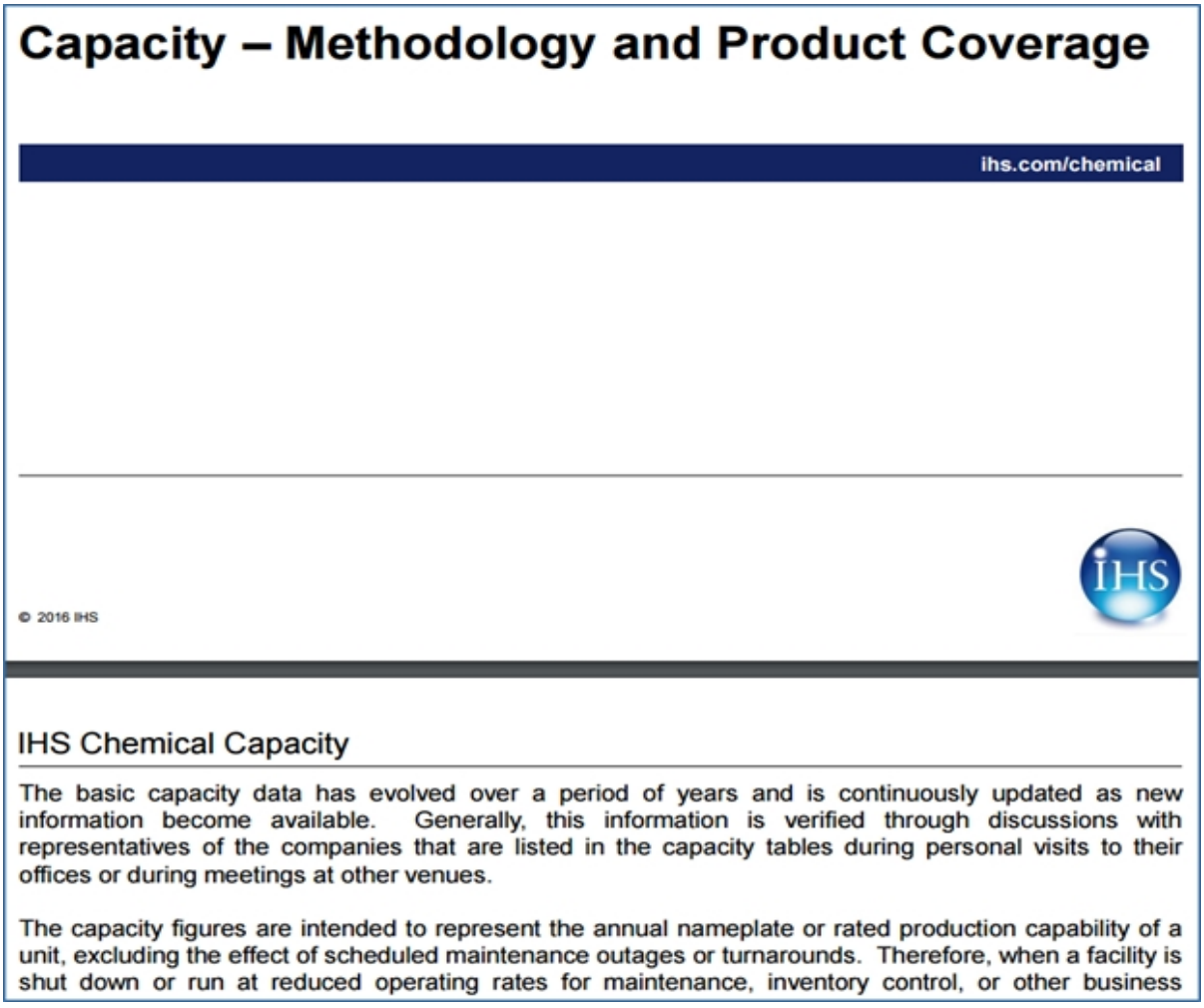
The ***Data Browser*** page is a library of datasets that you have permission to access through your subscription. Each dataset title is linked to a Create Query page. Under each dataset title is a description of the contents and functionality of the dataset. The number in the gray box to the right of the title tells you how many data series belong to that dataset.

Some datasets include a Data Bulletin that posts documents about latest and future updates. Methodology and reason behind data updates may be included in attached documents.



Clicking the Bulletin opens the notice, attachments, and related documents.

Double-clicking the Attachment opens a Price Forecast Methodology and Definitions document. The first two pages are displayed below.



Some of the datasets also have function badges. When you open a dataset, tools for the function indicated are available.

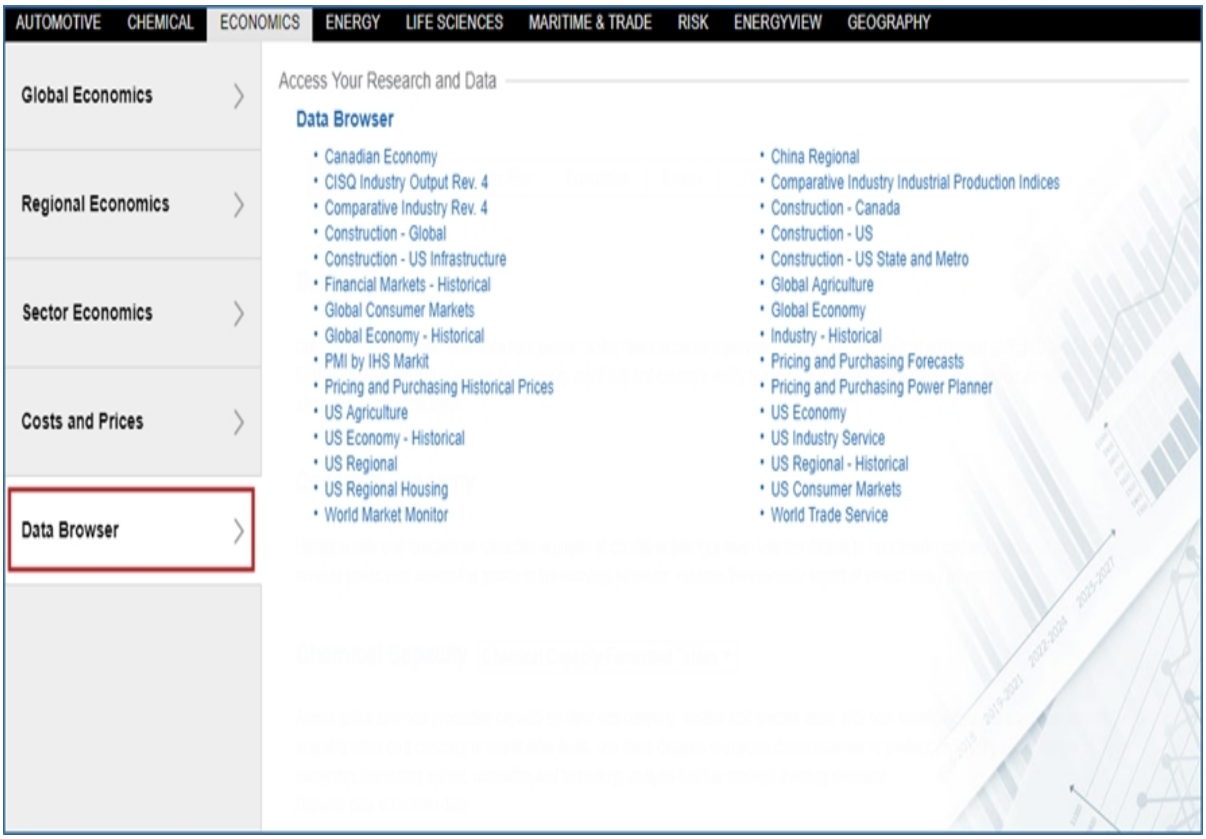
Year=100	Supports rebasing real values and indices
$€	Money values can be expressed in multiple currencies
Σ	Supports calculations (formulas and aggregations)

Note: The datasets that have one or more of these functions are known in DataInsight-Web as Smart-Datagroups. In Connect we do not use the terminology Smart Datagroups versus Regular Datagroups as on DataInsight Web. Connect enables you to commingle data series from any dataset into the same series folder, thus overcoming a major barrier between Smart Datagroups and Regular Datagroups.

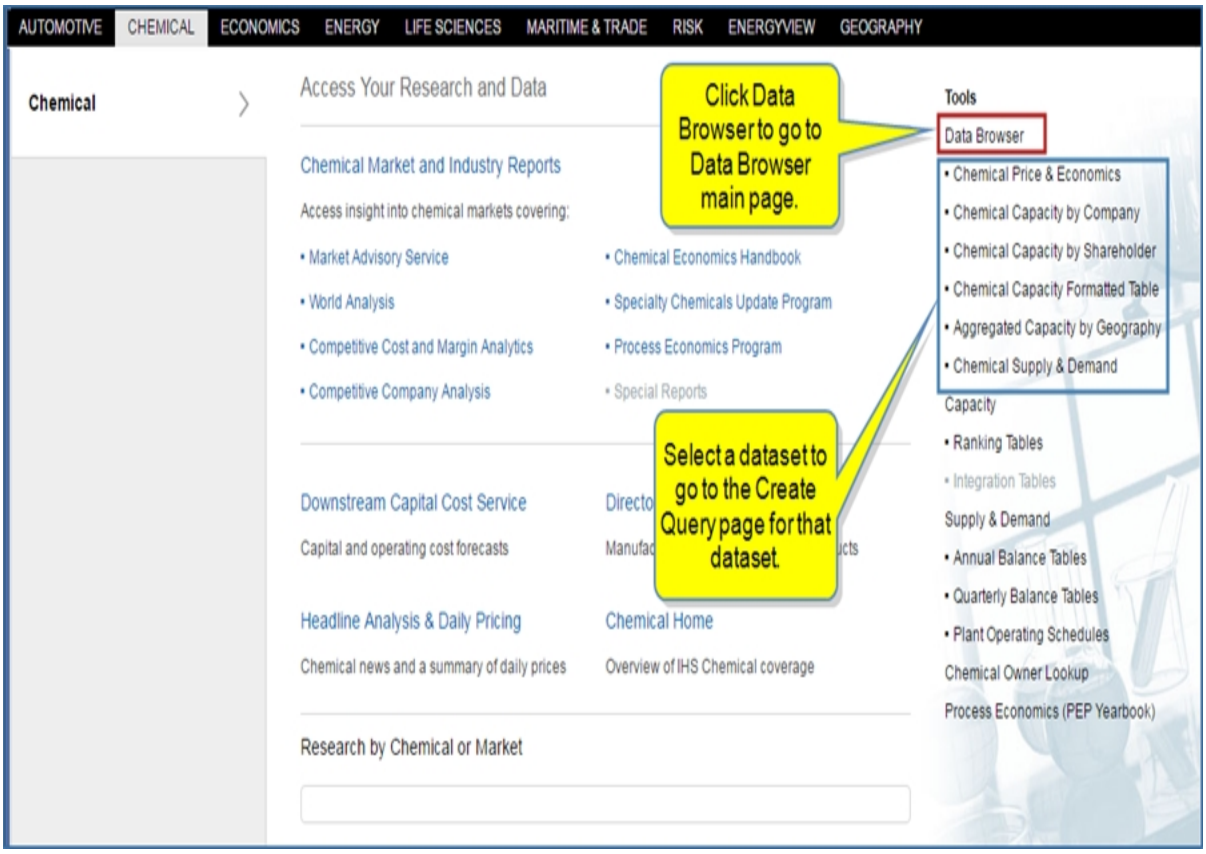
Accessing Data Browser

You can access the Data Browser in four ways:

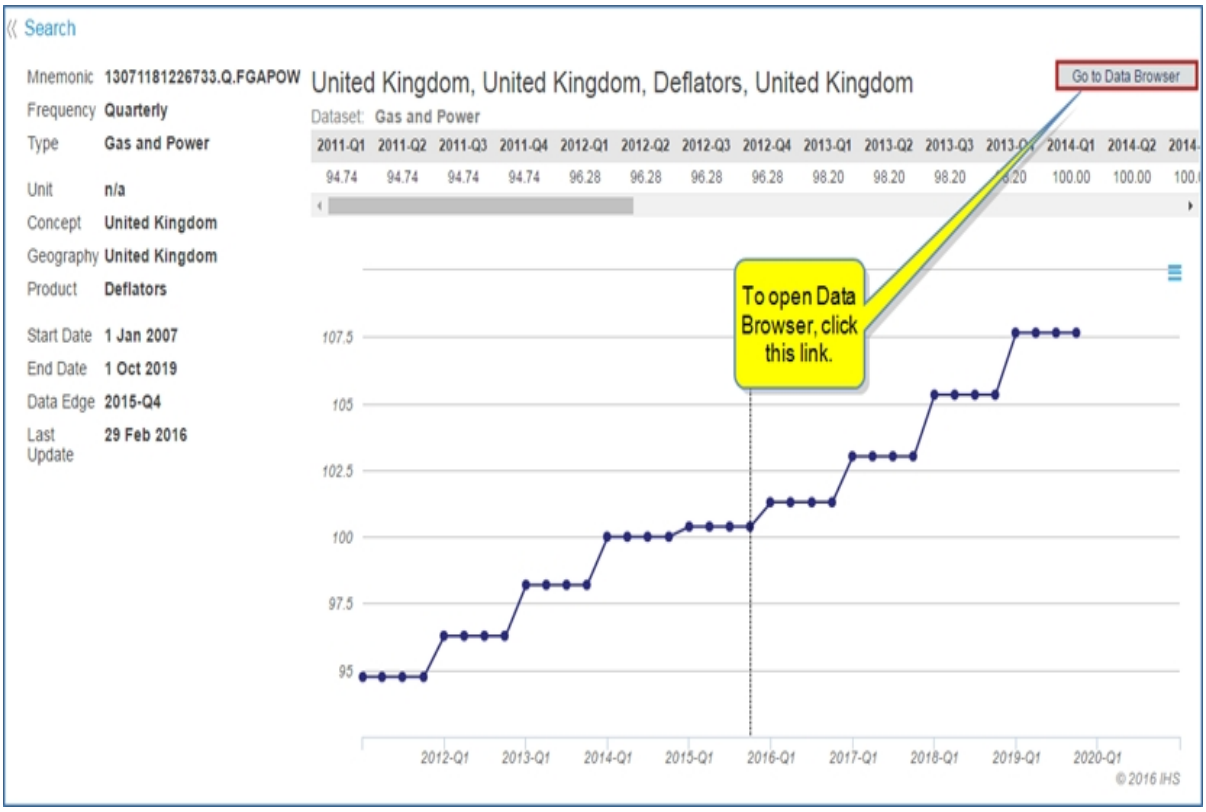
- ***From Economics in the menu bar***. Data Browser is the last segment listed in the left pane of the megamenu.



- ***From a capability page under Tools in the right pane***. In the following example, the Chemical capability page lists Data Browser under tools. This link takes you to the Data Browser main page. The specific datasets listed under Data Browser take you directly to the Create Query page for the dataset you have selected.



- ***From a Data Series result on the Search page***. Select the **Go to Data Browser** link.



- ***From certain charts and tables***. Select the **Browse the Data** link.

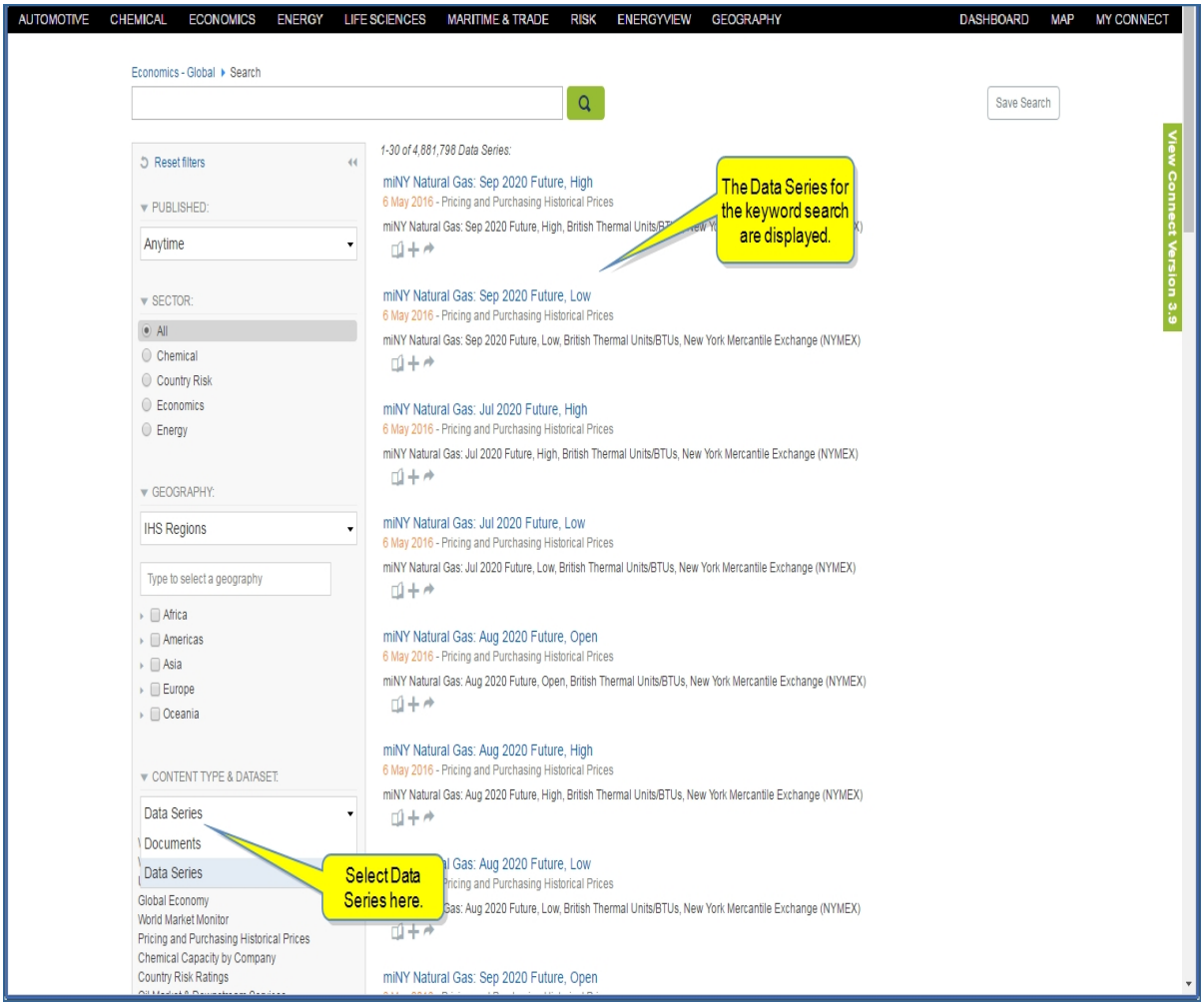
Entering Data Browser from the Search page or select Charts and Tables

You can enter Data Browser from the Search page or certain charts and tables.

To enter Data Browser from a Search page

Starting on the Search page, do the following:

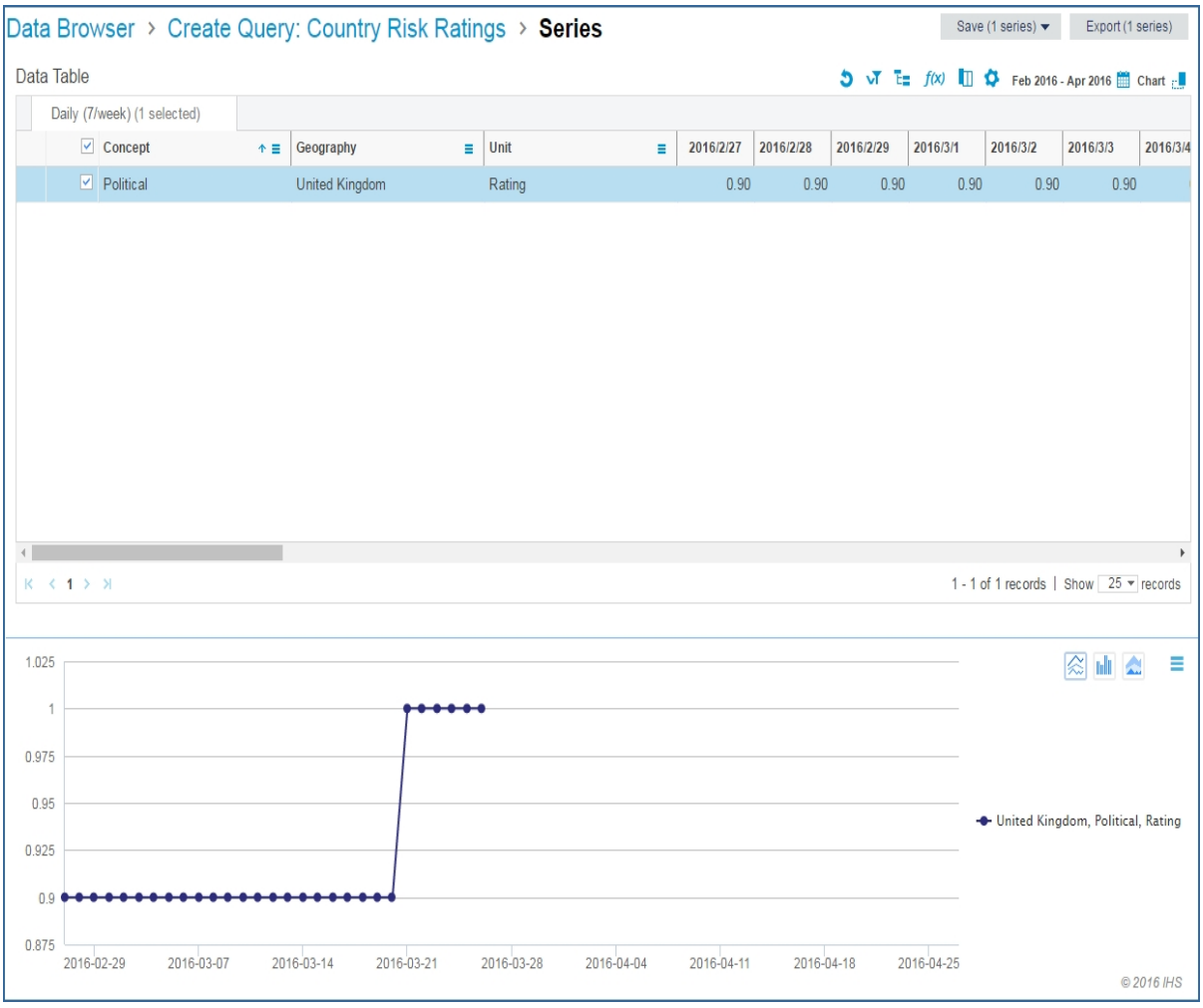
1. Select **Data Series** under Content Type & Dataset.



2. Select a data series.

3. Click the **Go to Data Browser** link.

You will then be transferred to the Data Browser where the series that you saw in Search and the chart view are visible.



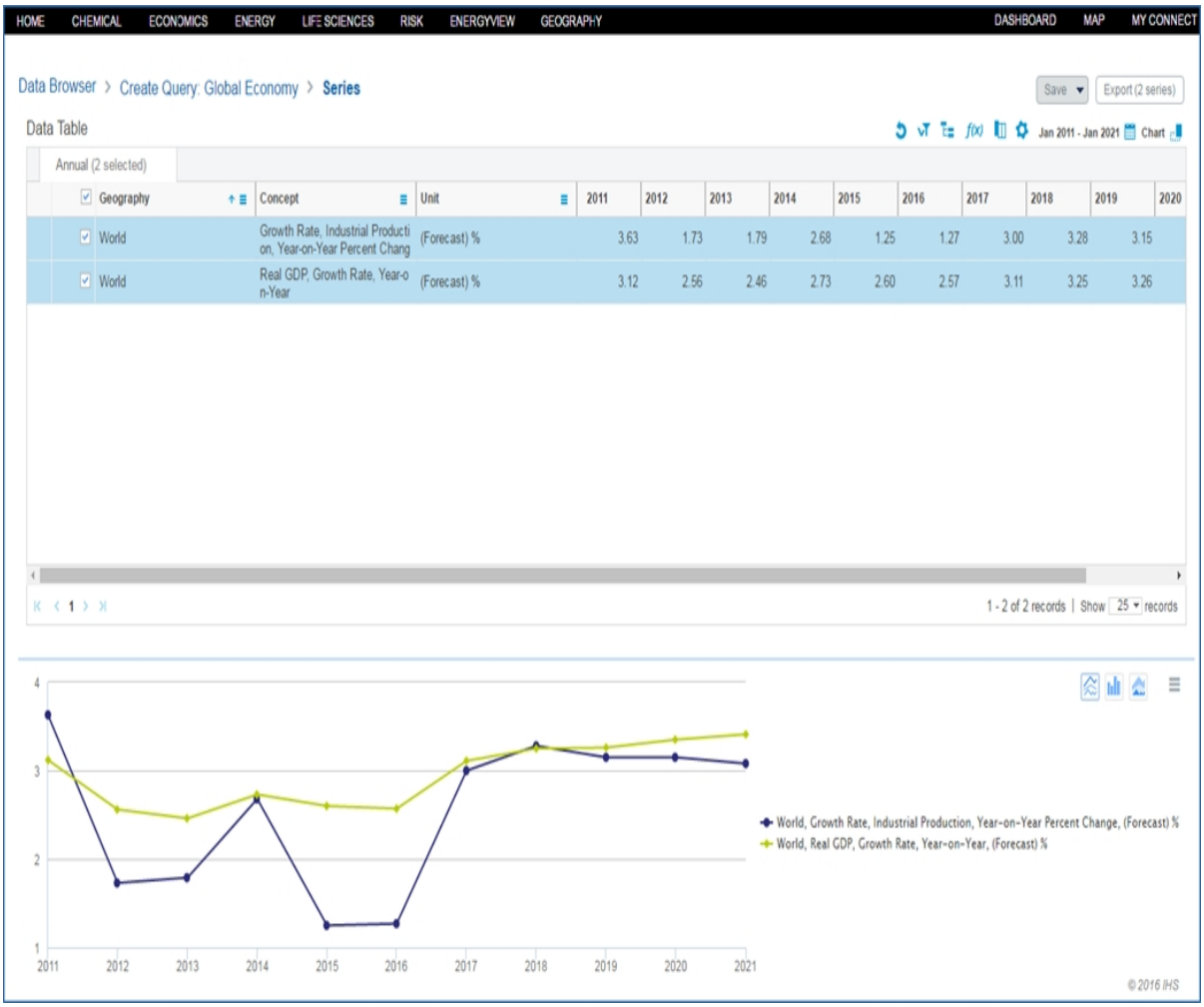
4. Click **Create Query** in the breadcrumbs trail at the top of the page to move to the Create Query page. The filter selections that correspond to the series are presented. See also Querying a dataset and Viewing Data Series in the Data Table and Preview Chart.

To enter Data Browser from a Chart

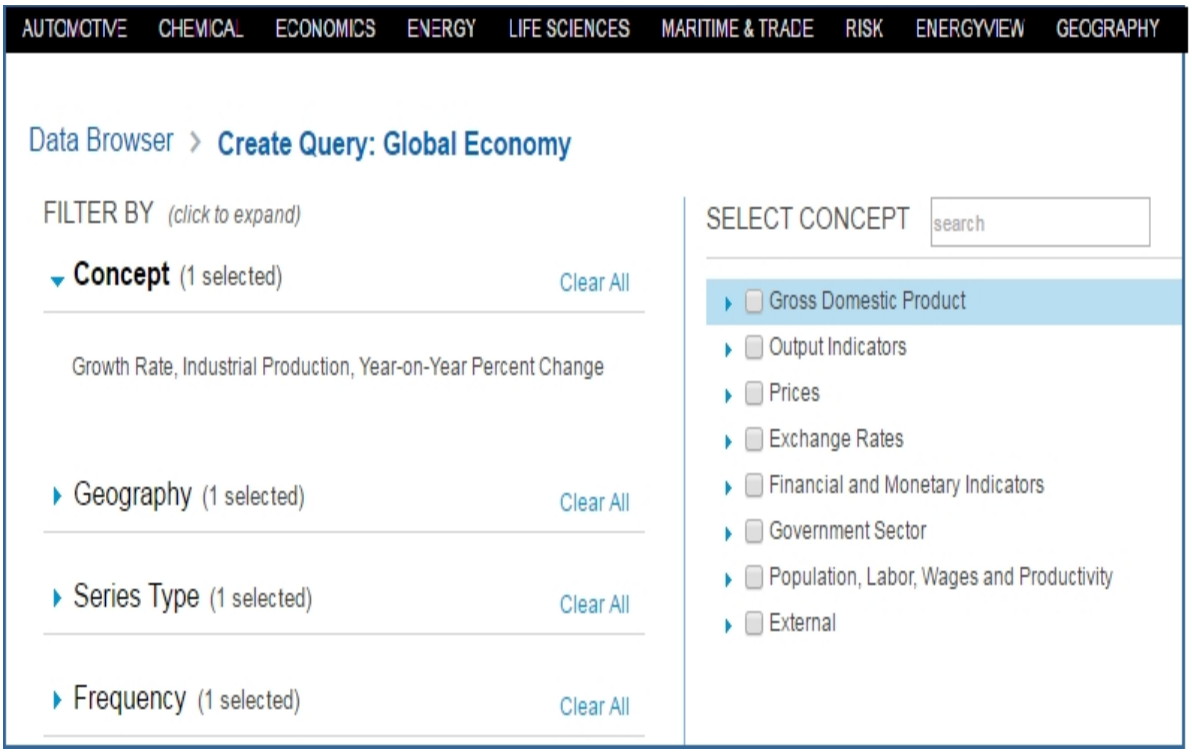
On select charts, a Menu Bar icon appears. When available and you want to navigate to Data Browser, do the following:

- Click the Menu Bar icon to open the list of options, and then click **Browse the Data** to access the data that backs up the chart in Data Browser.

You will then be transferred to Data Browser where you can view the series and chart.



If you click **Create Query** in the breadcrumbs trail at the top of the page, you will move to the Create Query page where the filter selections that correspond to the series are presented. See also Querying a dataset and Viewing Data Series in the Data Table and Preview Chart.

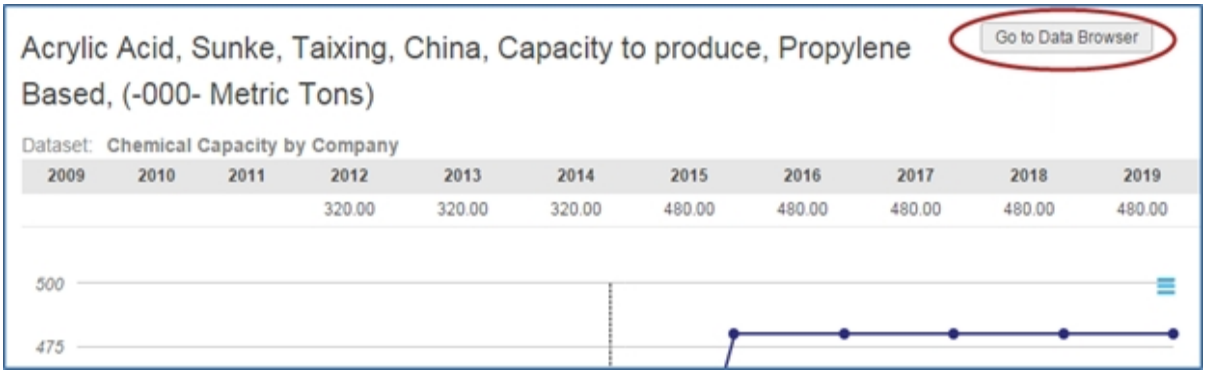


To enter Data Browser from a Table

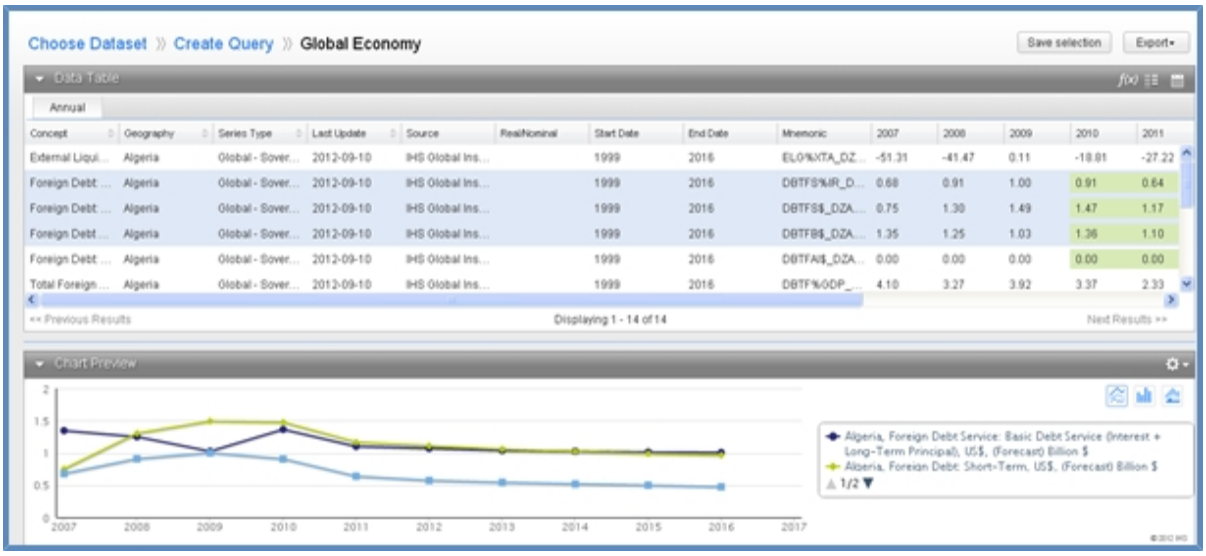
On select tables, a **Go to Data Browser** link opens Data Browser.

- Click the **Go to Data Browser** link.

  This will access the data that backs up the table in Data Browser.



  You will then be transferred to the Data Browser View Series page where the series you saw on the table are visible.



If you click **Create Query** in the breadcrumbs trail at the top of the page, you will move to the Create Query page where the filter selections that correspond to the series are presented. See also Querying a dataset and Viewing Data Series in the Data Table and Preview Chart.

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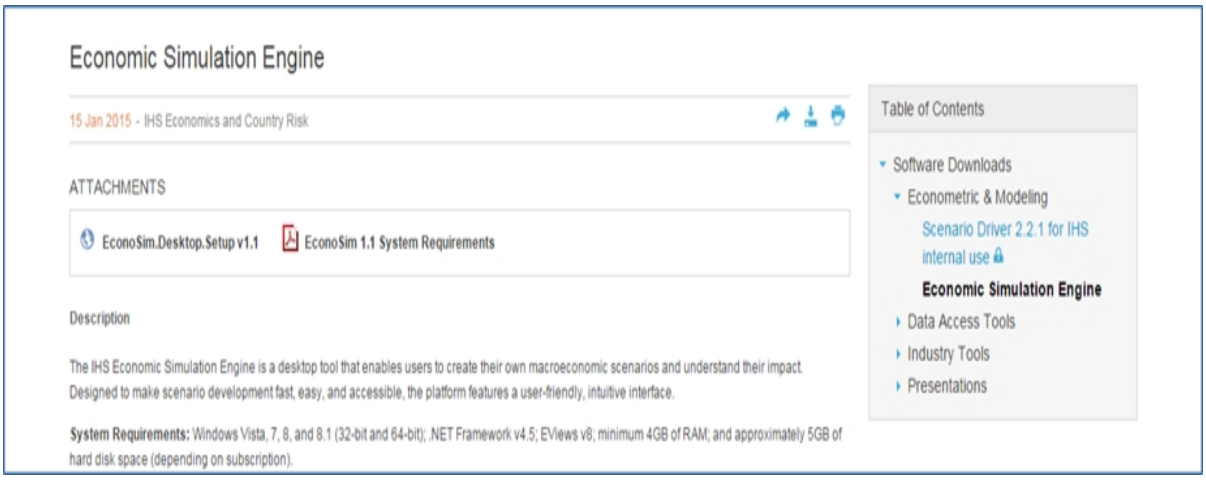
Software Downloads

From Data Browser, the **Software Downloads** link takes you to proprietary IHS Markit software for navigation and retrieval of time series and economic modeling. Access to the downloads is subscription based. You, therefore, will see a padlock on items not available. You can download and use available software on your computer desktop.

When you open the available items in the Table of Contents, you are presented with attachments, a description, and system requirements.



Querying a dataset

When you select a dataset, the Create Query page is displayed. By filtering the dataset, this page helps you find the data series you need. You can use filters such as Concept, Geography, Industry, and Currencies. Each dataset has its own set of filters.

As discussed in About Data Browser, some Datasets provide specific functions you can use on the Create Query page.

Once you create a query, you can view the data series and / or save the query on My Connect. This enables you to build on the query or use the query at a later time.

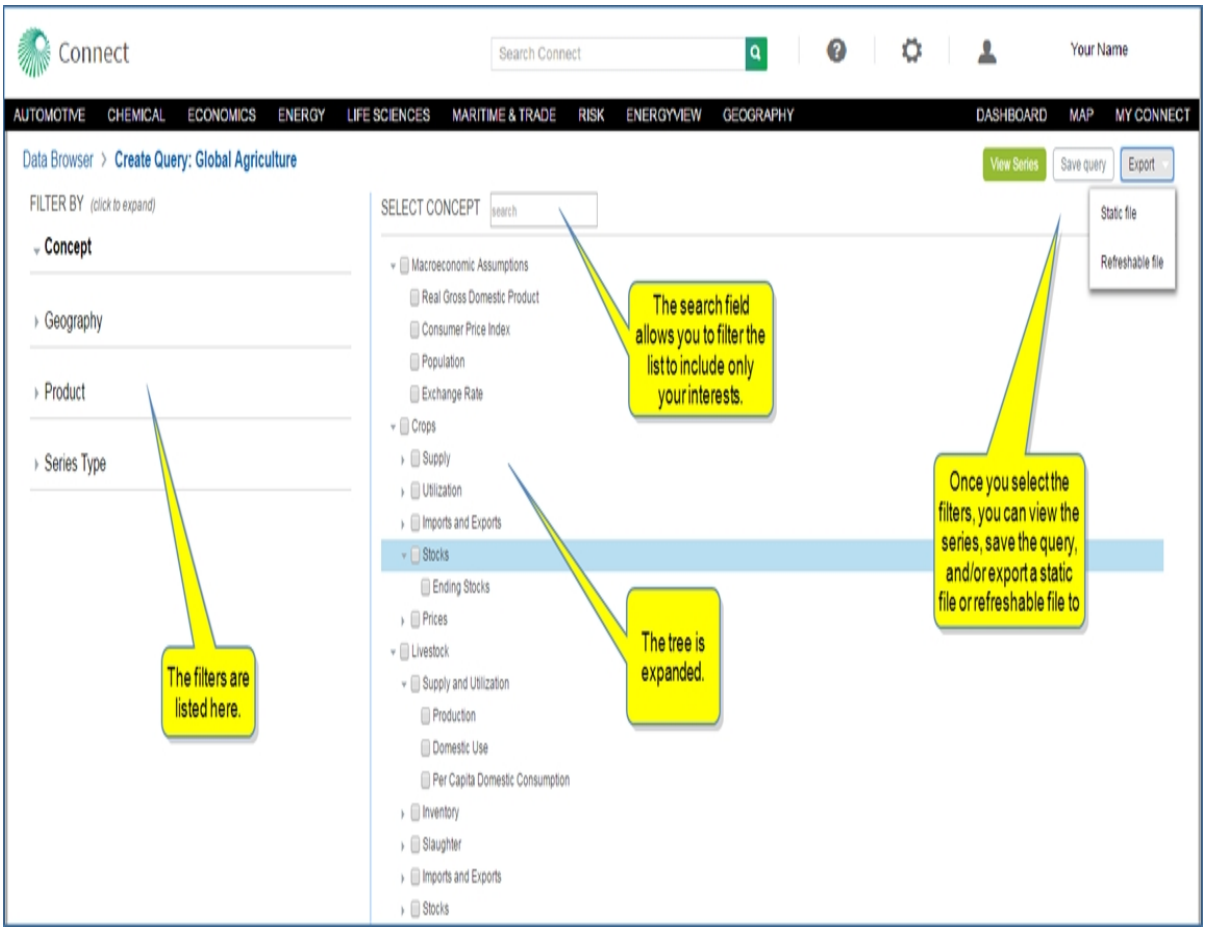
To create a query

1. The Create Query page

   After you select a dataset (for example, the **Global Agriculture** dataset), the Create Query: Global Agriculture page is displayed. The filters available for this dataset are listed in the left pane. For Global Agriculture, the filters are Concept, Geography, Product and Series Type. Filtering enables you to specify the characteristics of the data series you want to view—for instance, the concept(s) or the geography(ies) in which you have interest.

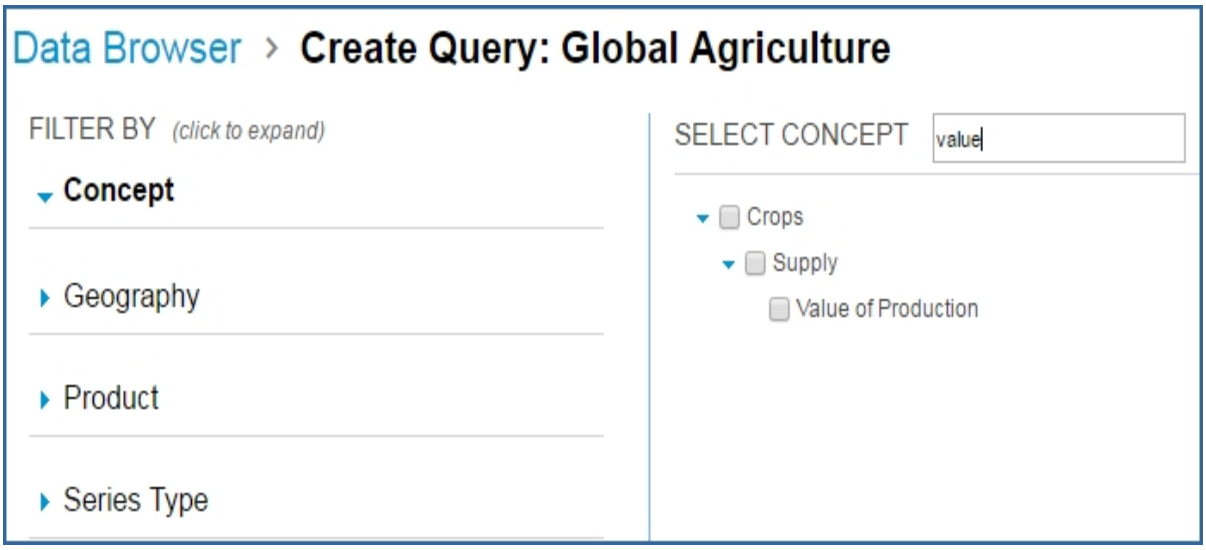
   Most of the datasets are structured in such a way that if you select only one item within each filter (for example, one concept, one geography, one product, and one series type), you get one data series—the single data series that corresponds to your specifications. If you select two items within one filter (for example, two geographies) and one item within all other filters (for example, one concept, one product and one series type), you get two data series. If you select all items within each and every filter, you get all the series from the dataset, so the same result as if you had not filtered at all.

   When you enter the Create Query: Global Agriculture page, the Concept filter is open, and the center pane invites you to select a concept from the tree. You can expand the tree to see all the concepts. If you want to filter by Geography, Product, or Series Type, click on each in the left pane. The corresponding tree opens in the center pane.



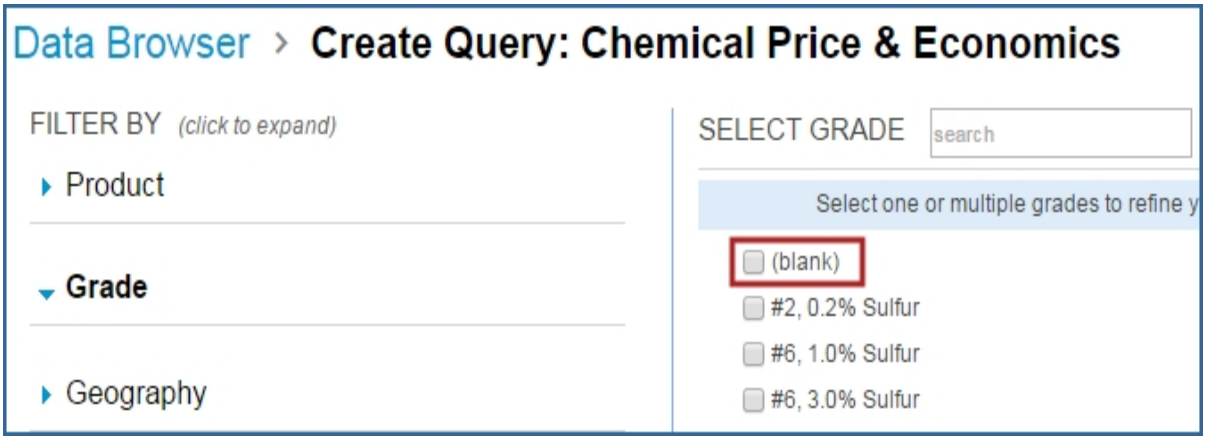
For more information about exporting, see Exporting a Static file or Refreshable file.

2. If you enter an item from the concept list in the Select Concept search field, Connect filters the options to include only your term. In the following example, we entered "value" in the search field. The list is now filtered to value items.



In the dataset Global Agriculture, applying filters is not compulsory. You can click the View series button without having selected any concept, geography, product, or series type. If you do this, you view all the series comprised in the dataset.

The Chemical Price & Economics dataset includes a (blank) grade in the Grade filter so you can filter out series without grades.

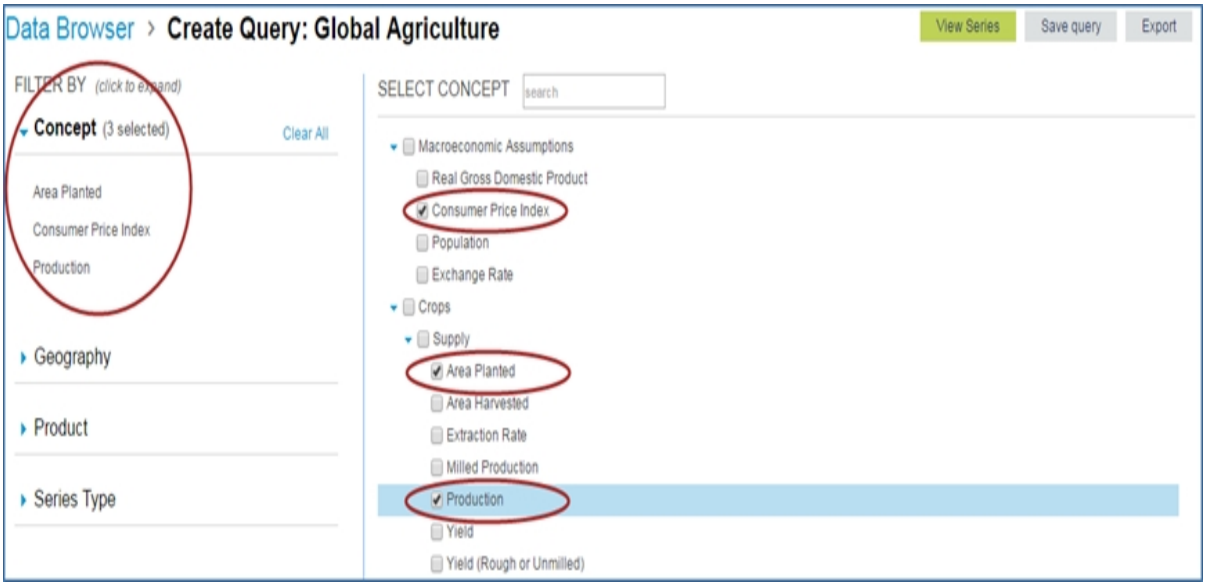


In certain datasets, you are required to use certain filter(s) before you can view the series. For instance, in the dataset World Trade Service, you have to select at least one concept. You will see the following message in the Concept filter: "Please make at least one selection."

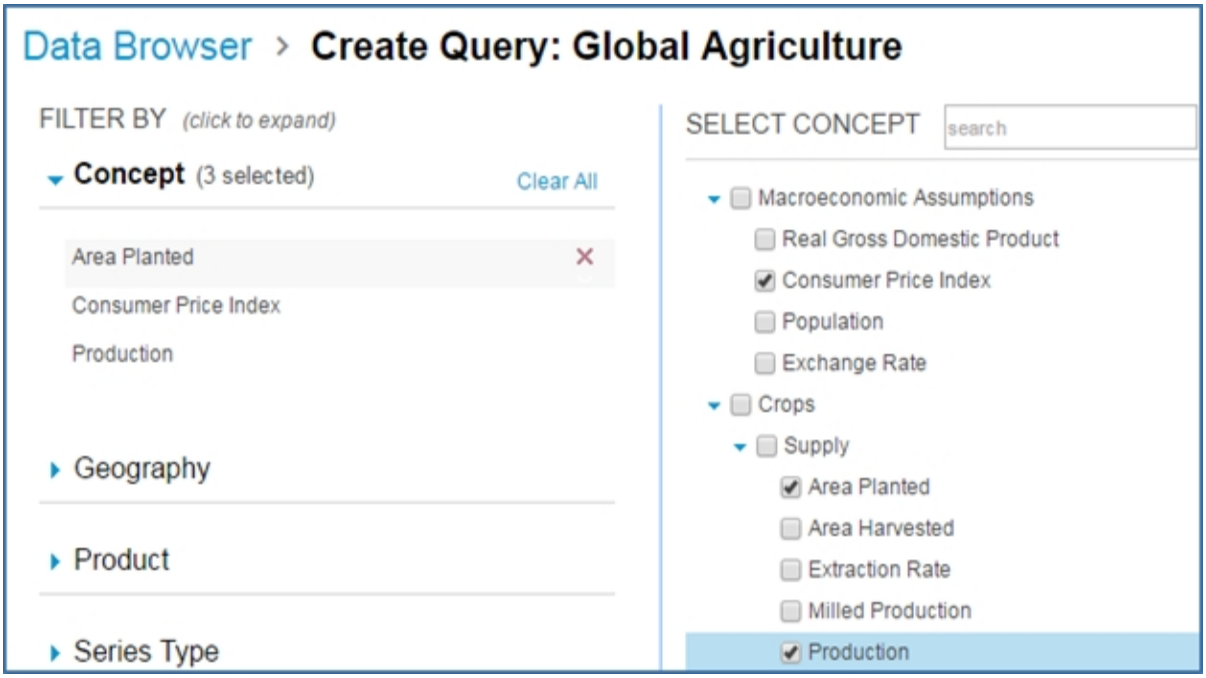
As long as you have not made the required selection, the View series button is inactive.

3. Viewing selected items

The items you select from the tree (for example, concepts) are listed in the left pane in alphabetical order, under the corresponding filter. This enables you to keep track of the concept(s) you have selected without retrieving them from the whole tree.



If you want to remove a concept you selected, you can click the check box in the tree. You can also click the red **x** mark that shows up when you move your mouse over the concept in the left pane.

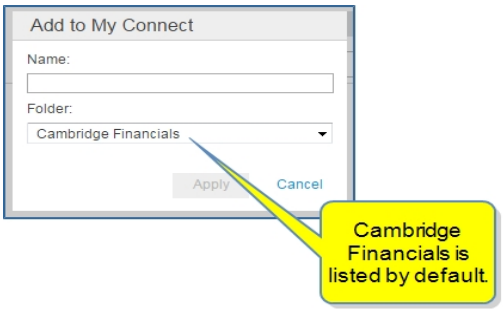


If you want to retrieve one of your selected concepts in the whole tree, simply double-click it in the left pane. The tree opens to the right.

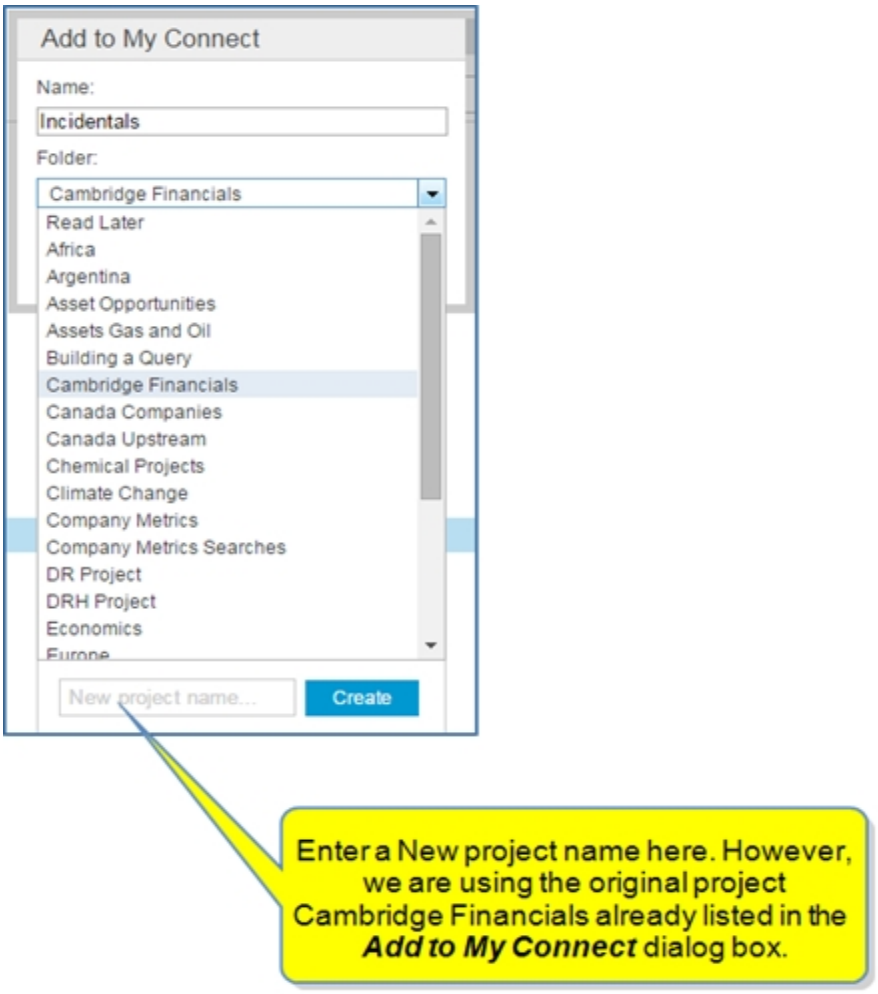
Once you have selected the desired concepts, click **Geography**, **Product**, or **Series Type** to apply one of these filters. When you have completed all the filtering you need, click the View series button to view the corresponding data series. You are transferred to the View Series page.

You can also click the Save query button to save your detailed filtering to My Connect and use it or modify it at a later time.

4. If you want to save the query, click **Save query**.
   An ***Add to My Connect*** dialog box is displayed.



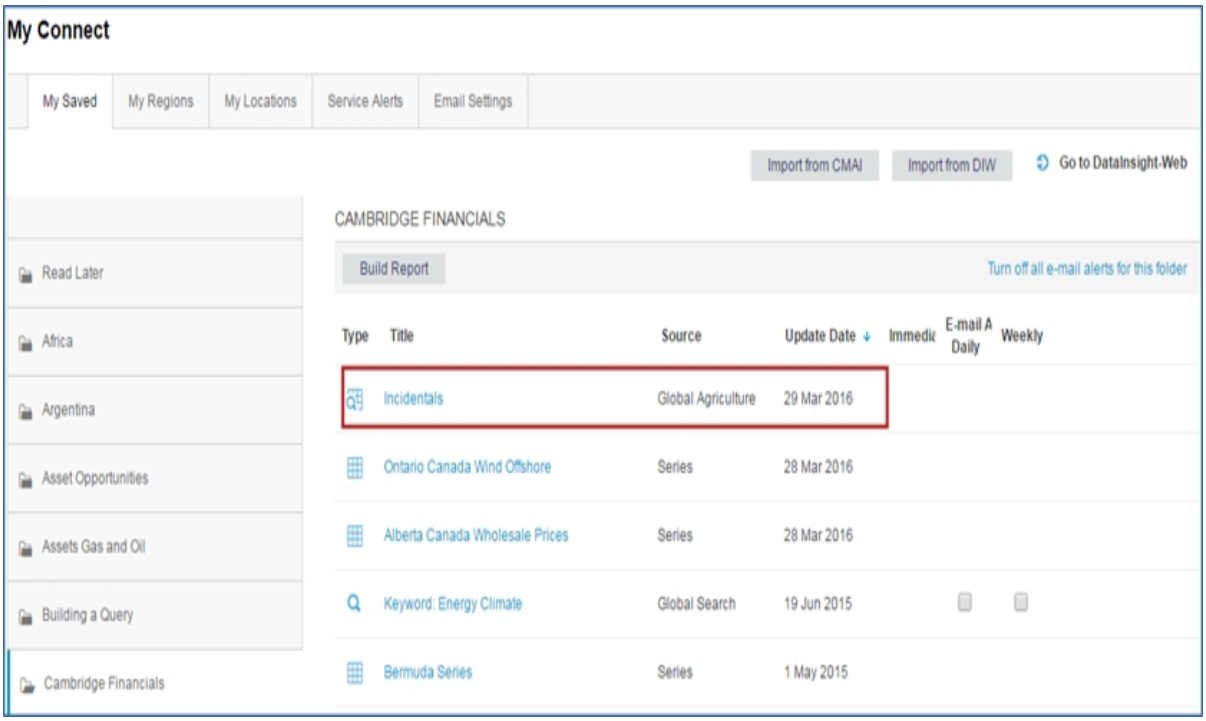
5. Enter a name for the query. We are using the name "Incidentals." Then click **Create**.
6. If you want to create a new project, select **New project name...**.



7. Fill in a folder name, and then click **Create**.
   Your new folder is displayed on My Connect and contains the query "Incidentals."

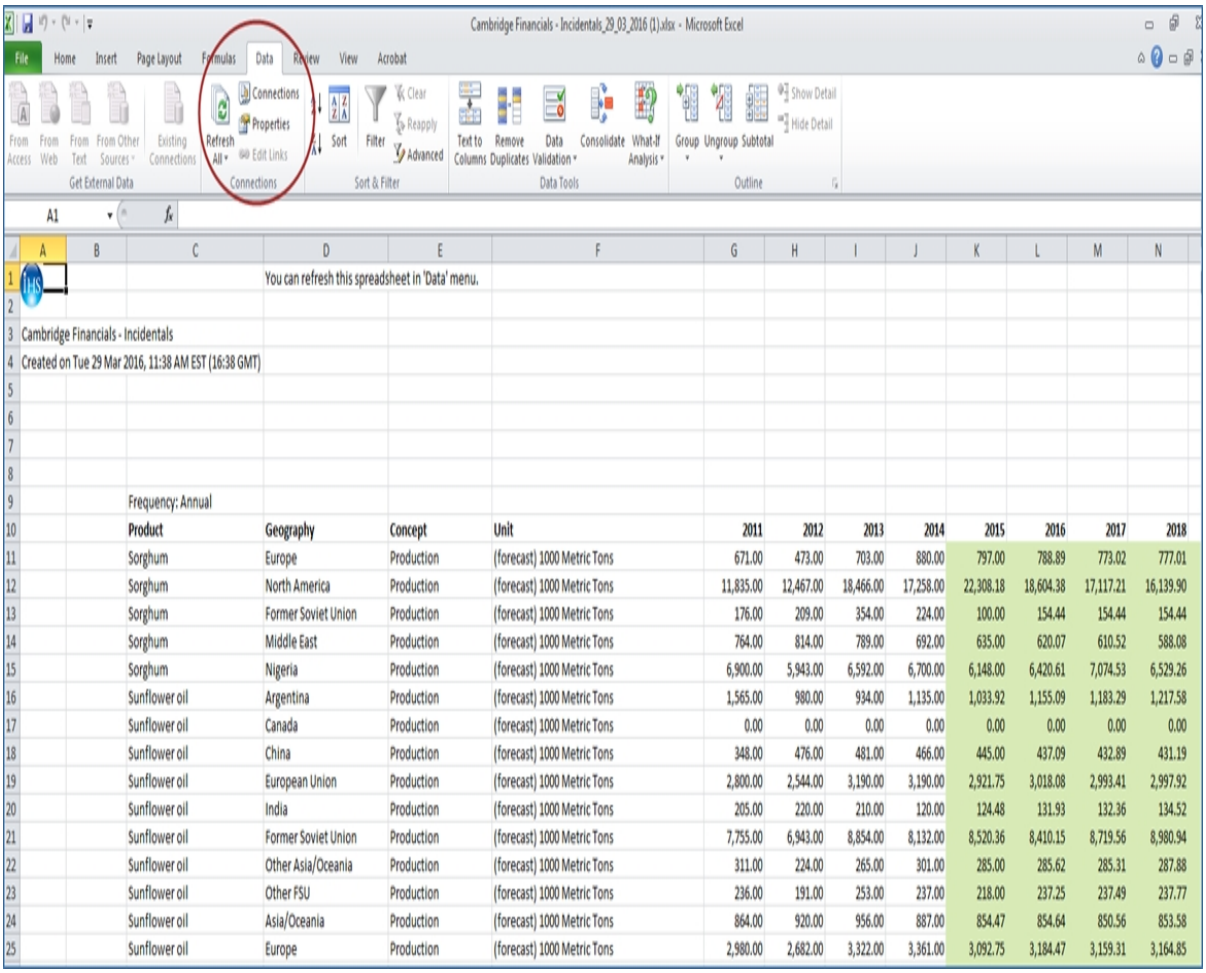
   However, for our example, we are using the original project **Cambridge Financials** listed in the ***Add to My Connect*** dialog box.

   The query is saved. You can view the query on the My Connect page. The Incidentals query is listed in the Cambridge Financials folder.



8. To retrieve the query, locate the Cambridge Financials project folder and Incidentals query on My Connect, and then click the query.
The query opens in Data Browser.

You can export the query to an Excel Spreadsheet and refresh it from the Data menu.



Product	Geography	Concept	Unit	2011	2012	2013	2014	2015	2016	2017	2018
Sorghum	Europe	Production	(forecast) 1000 Metric Tons	671.00	473.00	703.00	880.00	797.00	788.89	773.02	777.01
Sorghum	North America	Production	(forecast) 1000 Metric Tons	11,835.00	12,467.00	18,466.00	17,258.00	22,308.18	18,604.38	17,117.21	16,139.90
Sorghum	Former Soviet Union	Production	(forecast) 1000 Metric Tons	176.00	209.00	354.00	224.00	100.00	154.44	154.44	154.44
Sorghum	Middle East	Production	(forecast) 1000 Metric Tons	764.00	814.00	789.00	692.00	635.00	620.07	610.52	588.08
Sorghum	Nigeria	Production	(forecast) 1000 Metric Tons	6,900.00	5,943.00	6,592.00	6,700.00	6,148.00	6,420.61	7,074.53	6,529.26
Sunflower oil	Argentina	Production	(forecast) 1000 Metric Tons	1,565.00	980.00	934.00	1,135.00	1,033.92	1,155.09	1,183.29	1,217.58
Sunflower oil	Canada	Production	(forecast) 1000 Metric Tons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunflower oil	China	Production	(forecast) 1000 Metric Tons	348.00	476.00	481.00	466.00	445.00	437.09	432.89	431.19
Sunflower oil	European Union	Production	(forecast) 1000 Metric Tons	2,800.00	2,544.00	3,190.00	3,190.00	2,921.75	3,018.08	2,993.41	2,997.92
Sunflower oil	India	Production	(forecast) 1000 Metric Tons	205.00	220.00	210.00	120.00	124.48	131.93	132.36	134.52
Sunflower oil	Former Soviet Union	Production	(forecast) 1000 Metric Tons	7,755.00	6,943.00	8,854.00	8,132.00	8,520.36	8,410.15	8,719.56	8,980.94
Sunflower oil	Other Asia/Oceania	Production	(forecast) 1000 Metric Tons	311.00	224.00	265.00	301.00	285.00	285.62	285.31	287.88
Sunflower oil	Other FSU	Production	(forecast) 1000 Metric Tons	236.00	191.00	253.00	237.00	218.00	237.25	237.49	237.77
Sunflower oil	Asia/Oceania	Production	(forecast) 1000 Metric Tons	864.00	920.00	956.00	887.00	854.47	854.64	850.56	853.58
Sunflower oil	Europe	Production	(forecast) 1000 Metric Tons	2,980.00	2,682.00	3,322.00	3,361.00	3,092.75	3,184.47	3,159.31	3,164.85

For more information about My Connect, see and How to save research .

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Note: For the datasets on Data Browser that show the last update date on the ***Data Browser*** page, the update date is also displayed on the Query page. This is true for US Industry Service, World Industry Service, and World Trade Service, for example.

Functions available on the Create Query page

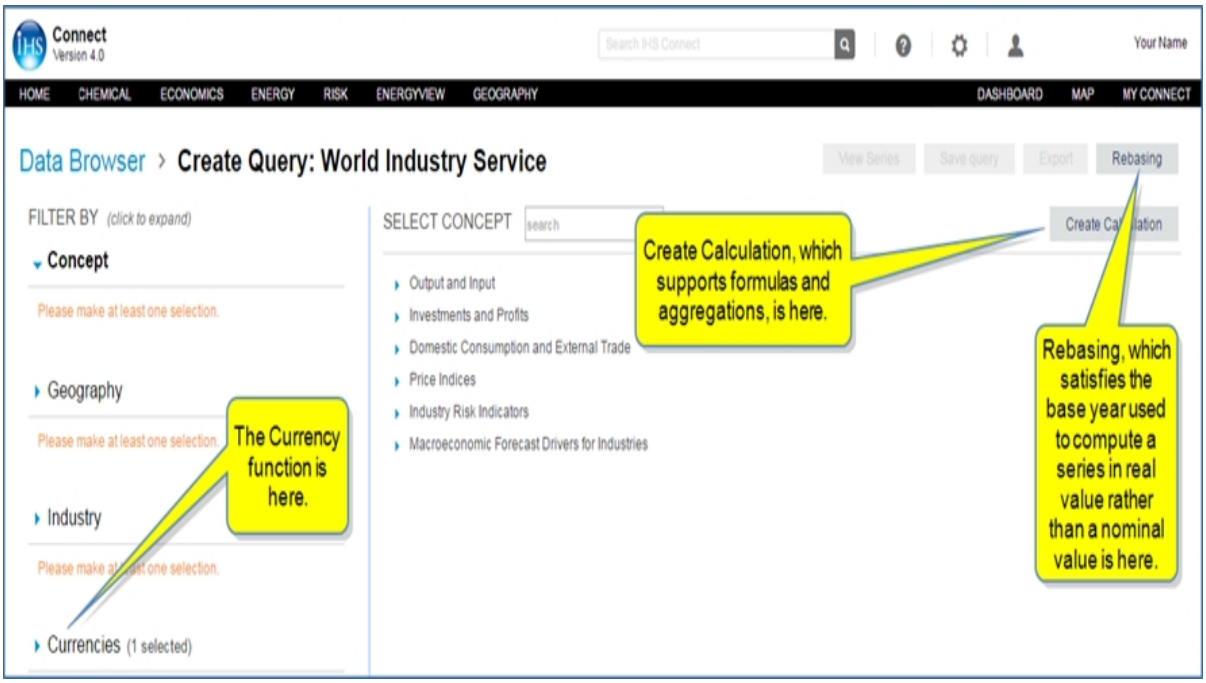
For certain datasets, specific functions are available on the Create Query page. When you select a dataset on the Data Browser page, this is indicated with badges, which include the following:

Year=100 Supports rebasing real values and indices

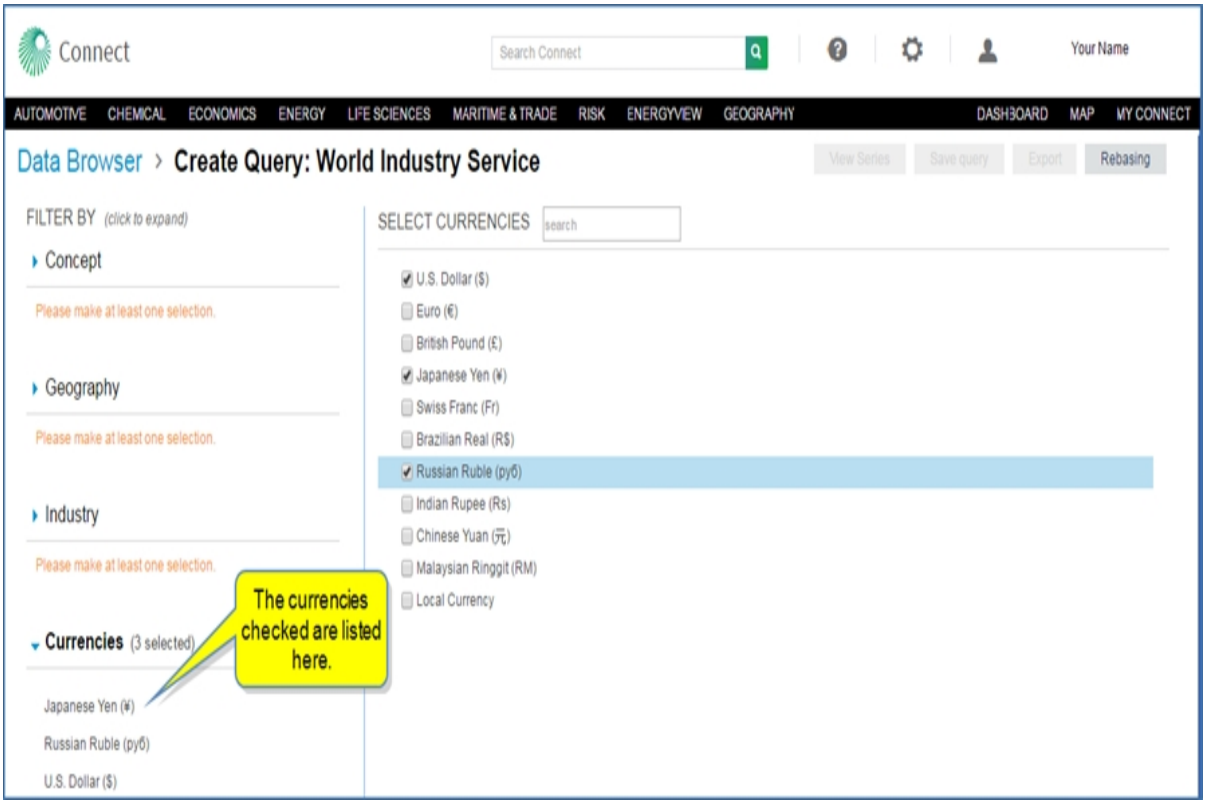
$€ Money values can be expressed in multiple currencies

Σ Supports calculations (formulas and aggregations)

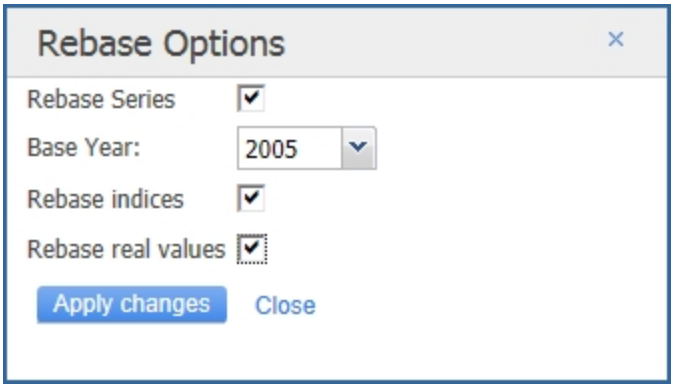
For instance, the dataset World Industry Service contains all three of the above badges and their functions. When we open the Create Query: World Industry Service page, the functions are displayed as a link and buttons.



When Currencies is opened, you see a list of currencies. You can select one or more to specify in which currency(ies) the data series is displayed.



The Rebasing function enables you to customize the base year. When you click **Rebasing**, a dialog box is displayed. Select the base year you wish from the scrolling list, and then choose to rebase indices, real values or both. Click **Apply changes**. The series is computed with the following formula: Rebase(x,p): series / series [period] * 100



Create Calculation enables you to create your own custom items in the tree (for example, custom concepts, custom geographies, custom industries, etc.) and retrieve them each time you use the dataset.

When you click **Create Calculation**, the ***Add Calculation*** dialog box is displayed where you can Create Aggregation or Create Formula:

An Aggregation is a new item you create by applying a mathematical operator to several existing items. The existing items are merged into the new one, defined as their sum, average, minimum, maximum, median, variance, standard deviation, count, weighted arithmetic average or weighted geometric average.

A Formula is a new item you create by applying a custom computation to one or several existing item(s). The existing items are merged into the new one. The custom computation method entails sum, subtraction, multiplication, division, and / or power.

Aggregation Example

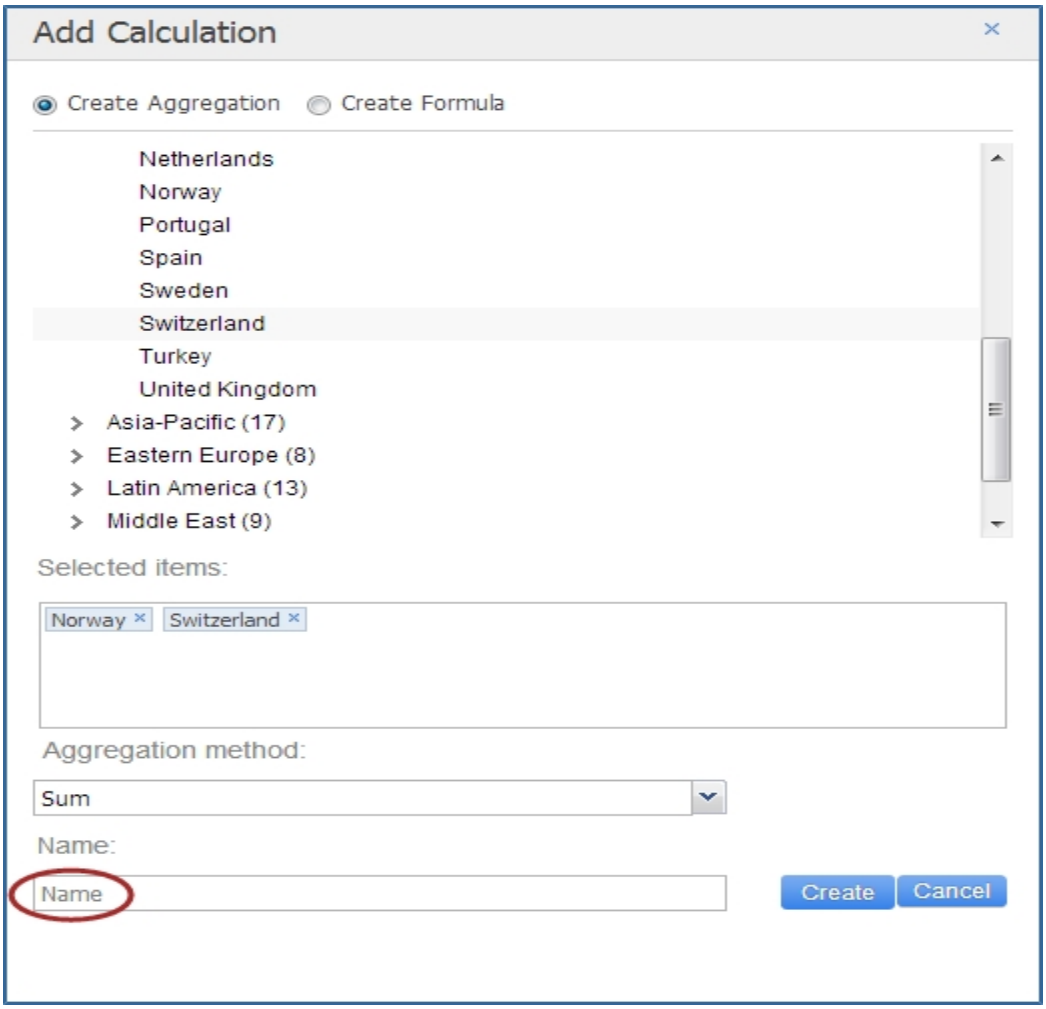
The following is an example of aggregating two countries: Norway and Switzerland.

To create an aggregation

Starting on the Create Query: World Industry Service page, do the following:

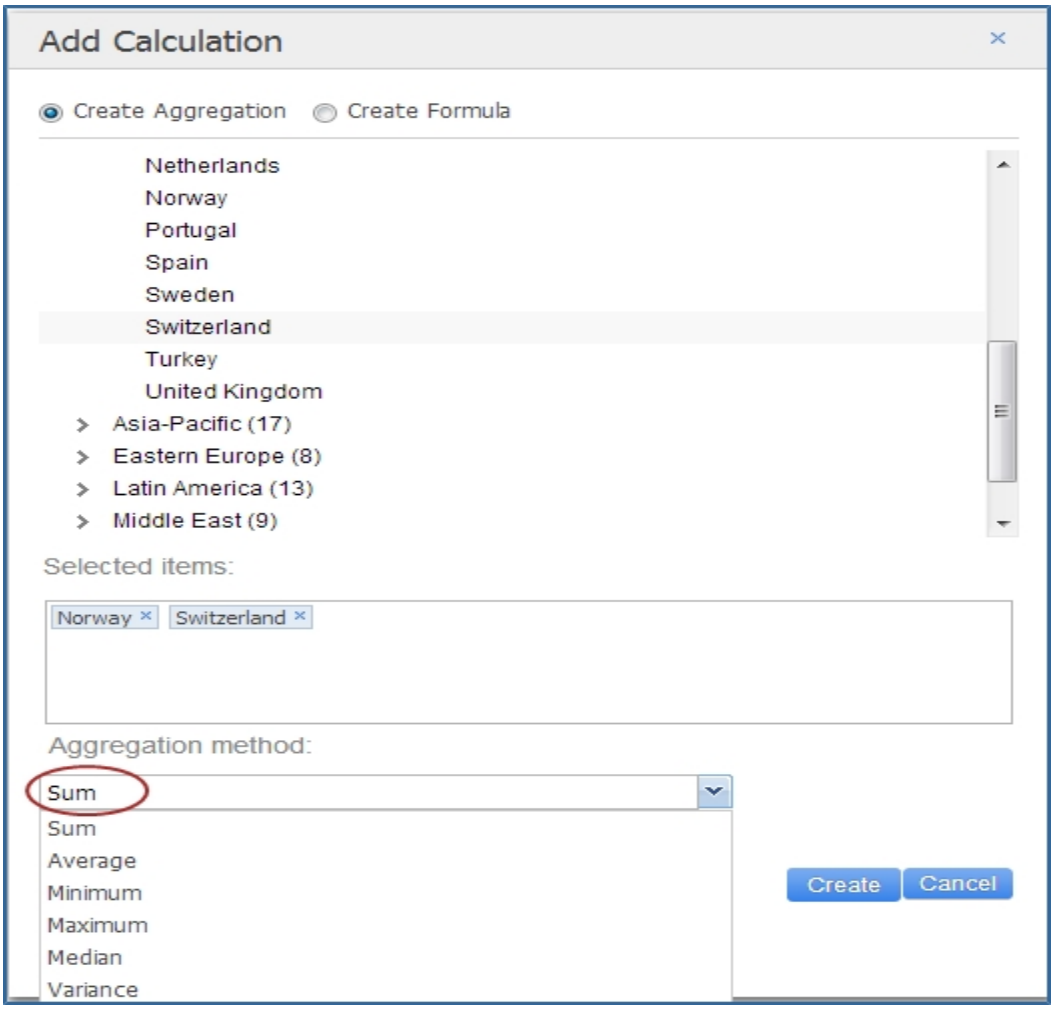
1. When the Geography filter is open, click **Create Calculation**. The dialog box opens with the option Create Aggregation selected by default.

2. Using the tree of geographies, drag and drop **Norway** and **Switzerland** into the Selected items box.

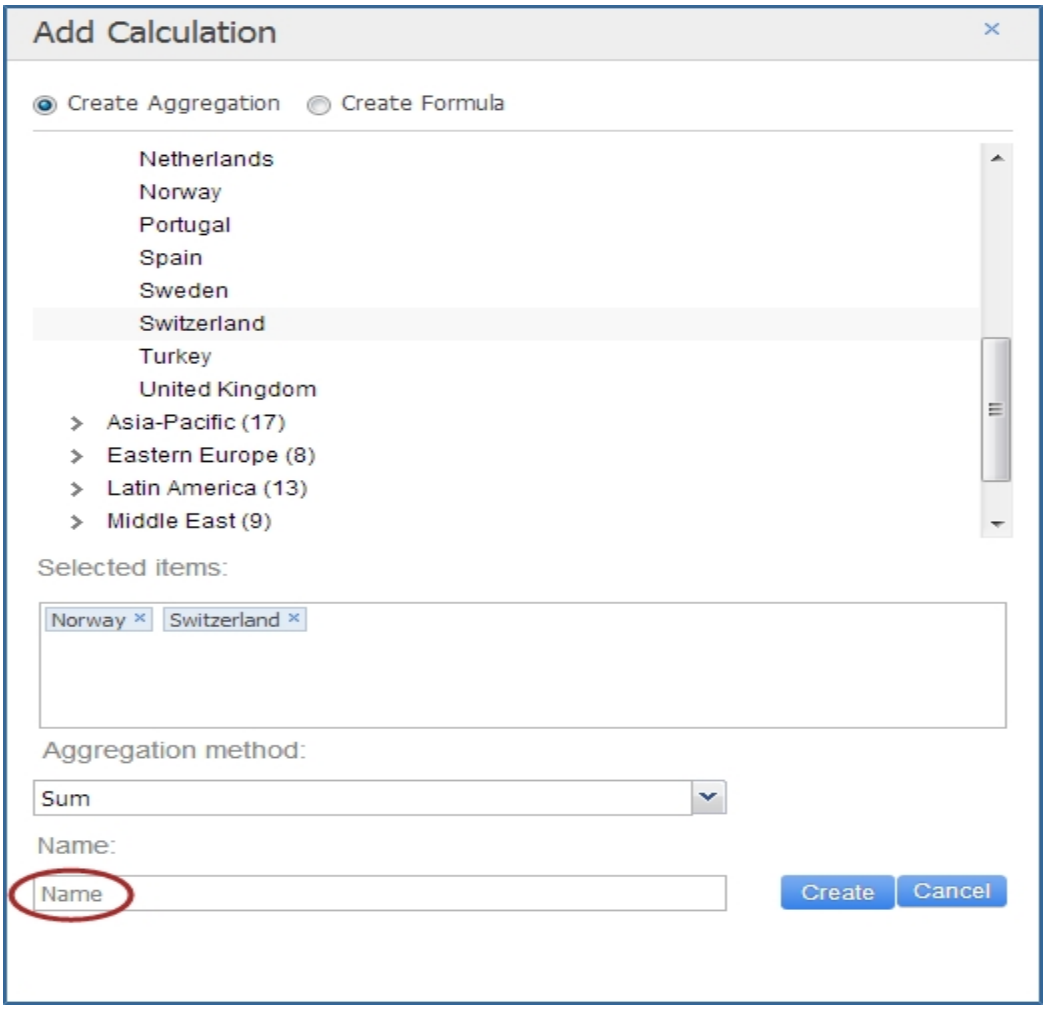


Note: If you wish to remove one item from the Selected items box, you can click the little blue x to the right of it.

3. Select **Sum** as the aggregation method from the drop-down menu.

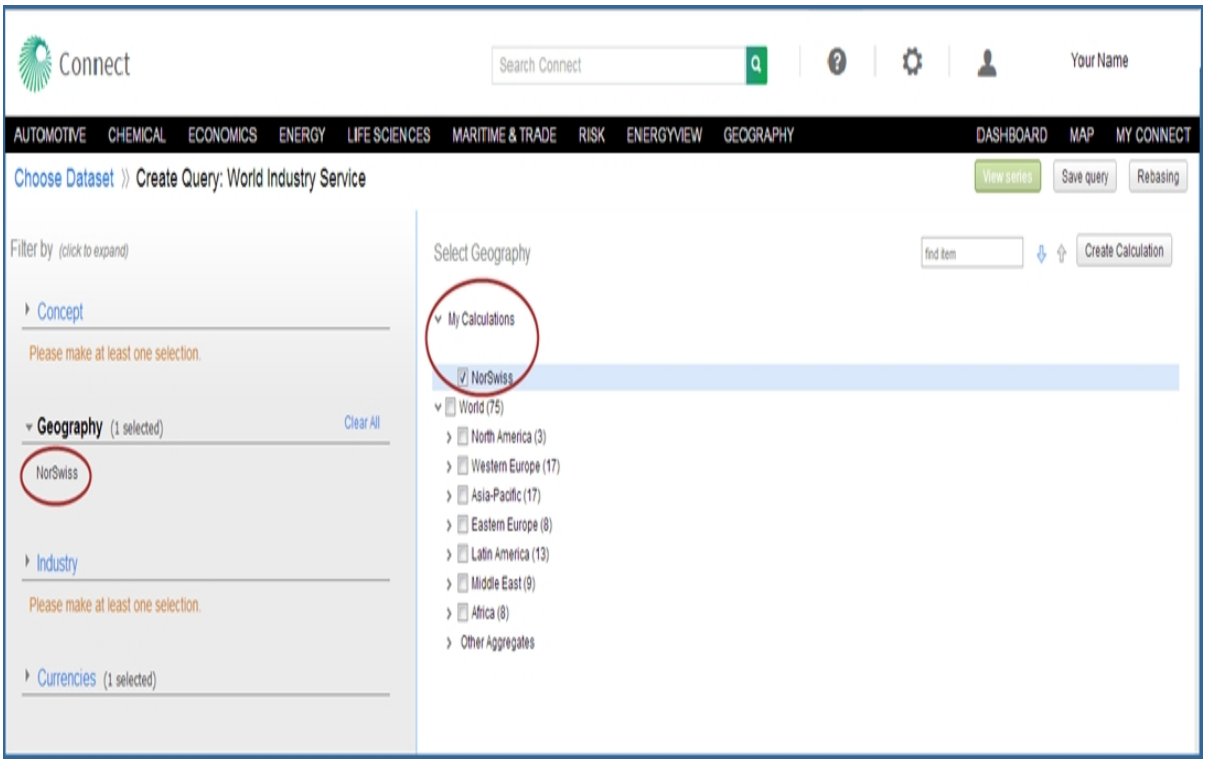


4. Name the new calculation. We are naming it **NorSwiss**.



5. Click **Create**.

   NorSwiss now appears under My Calculations on the Select Geography pane, and you can select it as a geography when filtering for a data series.



When you move your mouse over the item NorSwiss in the tree, the following two icons appear.

Click the first one to edit the aggregation. Click the second one to remove the aggregation.

Formula Example

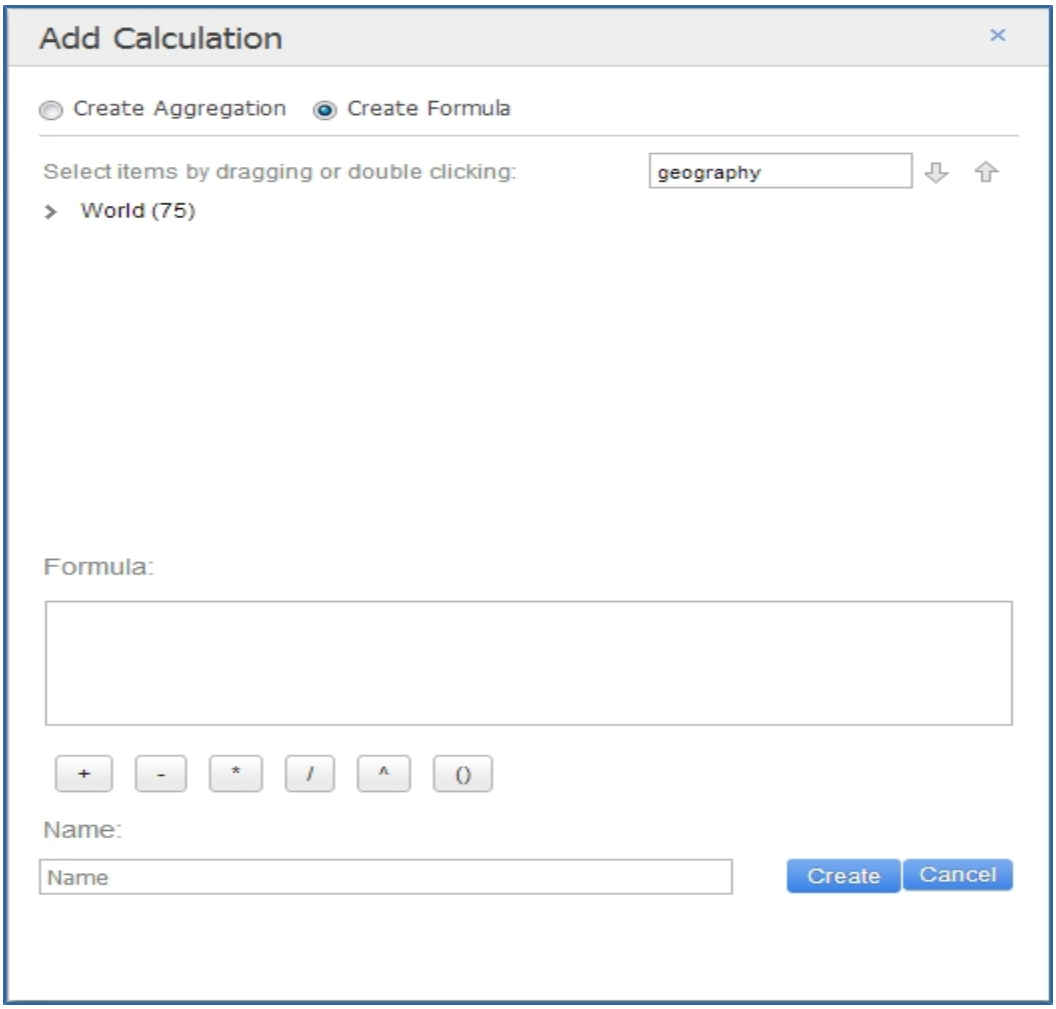
Let's do an example of a formula and create a custom geography where Norway accounts for two-thirds and Switzerland for one third.

To create a formula

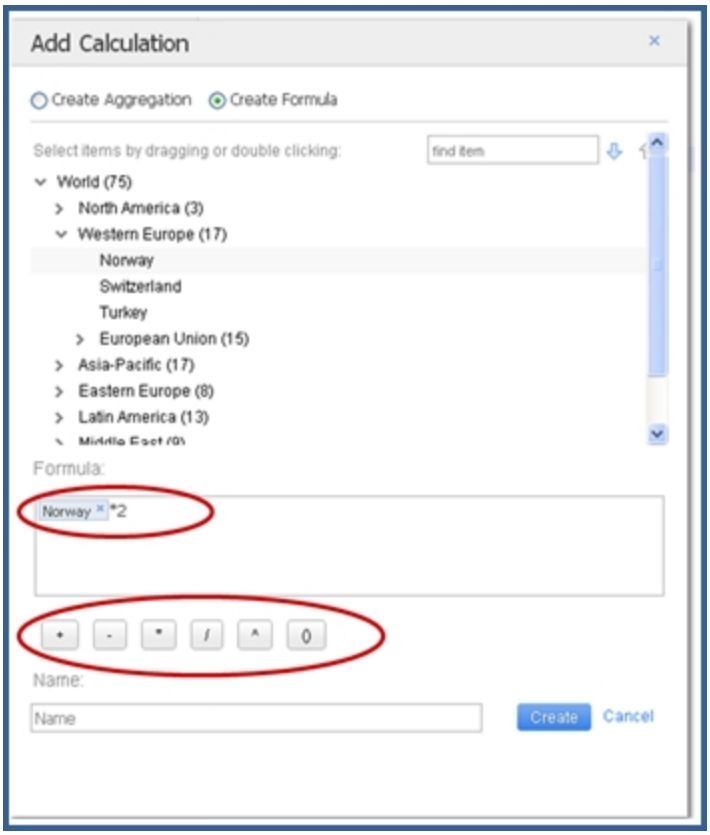
Starting on the Create Query: World Industry Service page, do the following:

1. When the Geography filter is open, click **Create Calculation**.
   The dialog box opens.

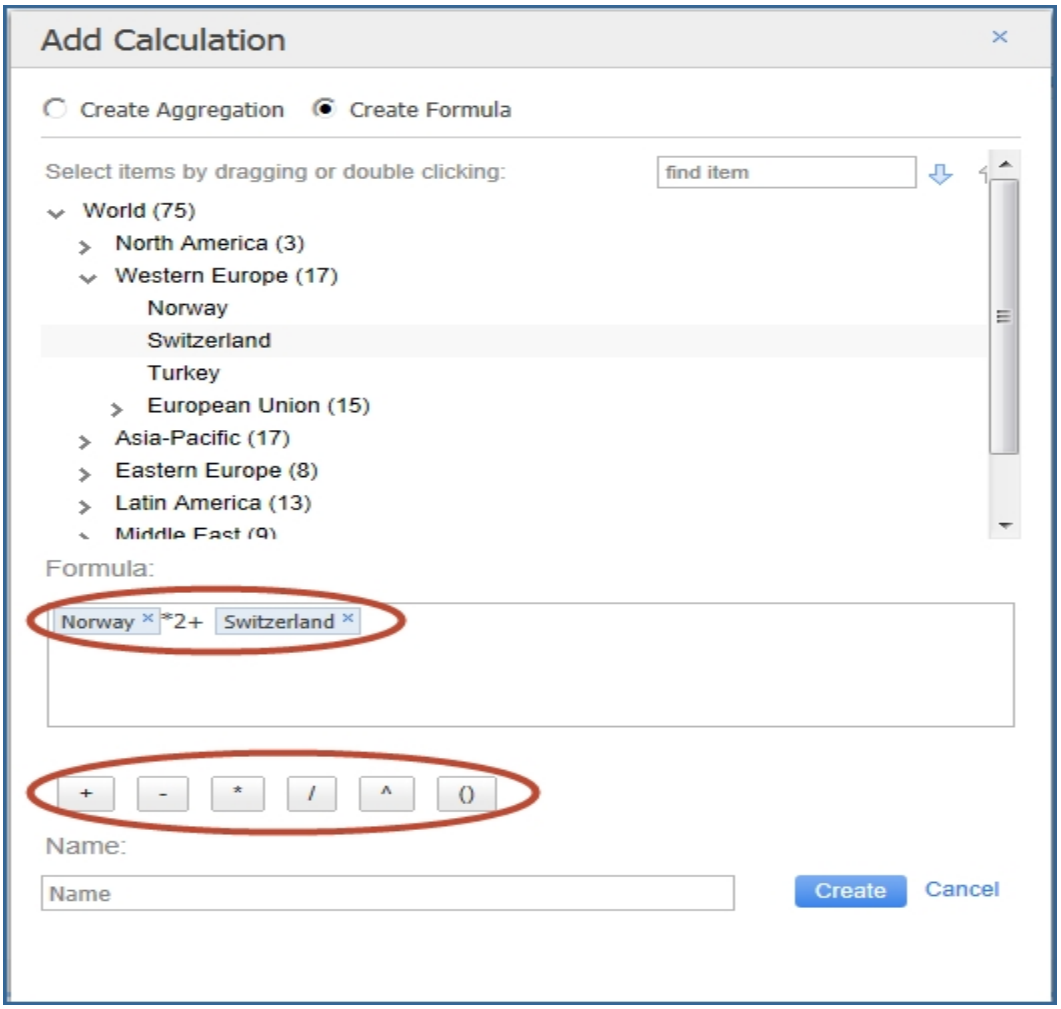
2. Click **Create Formula**.



3. Open the tree of geographies, scroll to **Norway** and drag and drop it into the Selected items box Then, using the function buttons in the dialog box and your keyboard, type in ***2** after Norway.

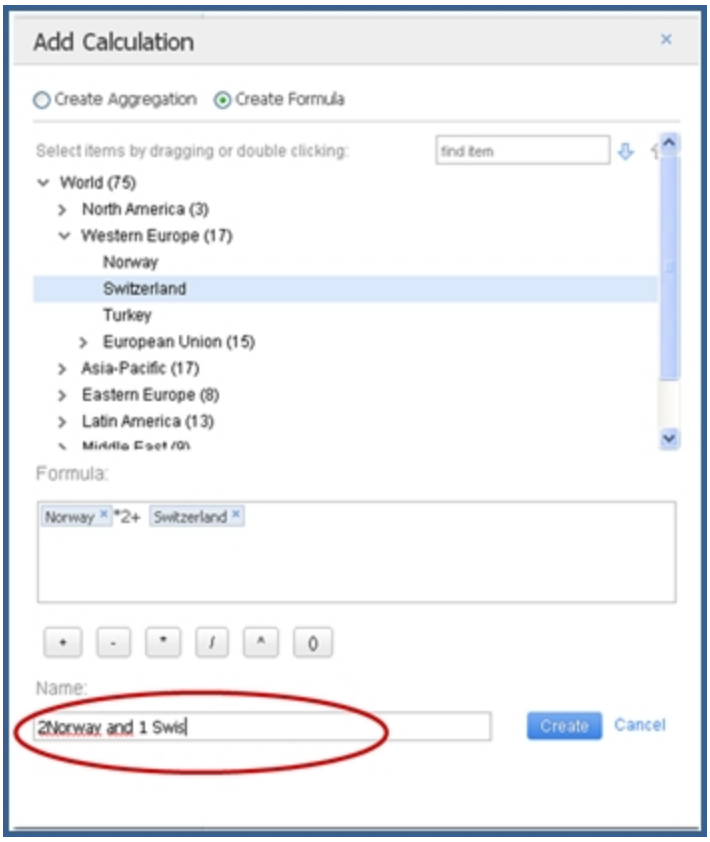


4. Using the function buttons, type in **+**, and then drag and drop Switzerland into the Selected items.



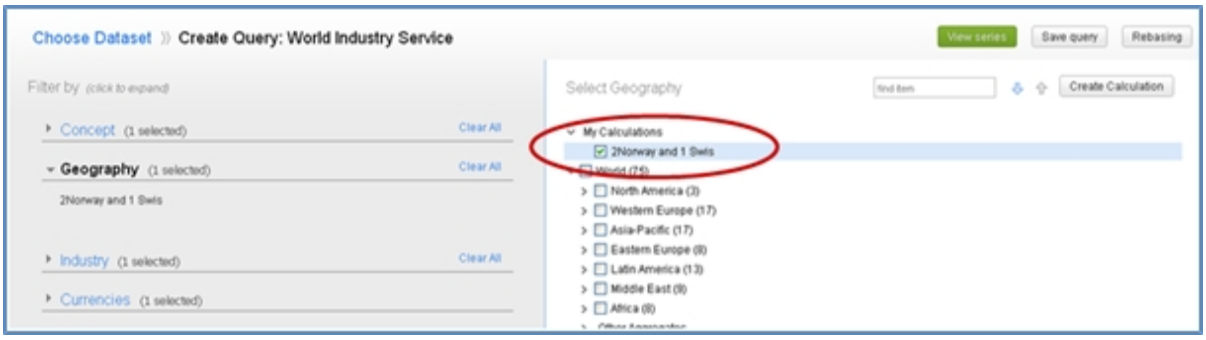
Note: If you want to remove one item from the Selected items box, you can click the little blue x sign to the right of the item.

5. Name the new calculation. We are naming it **2Norway and 1 Swis**.



6. Click **Create**.

   2Norway and 1 Swis now appears under My Calculations on the Select Geography pane, and you can select it as a criterion.



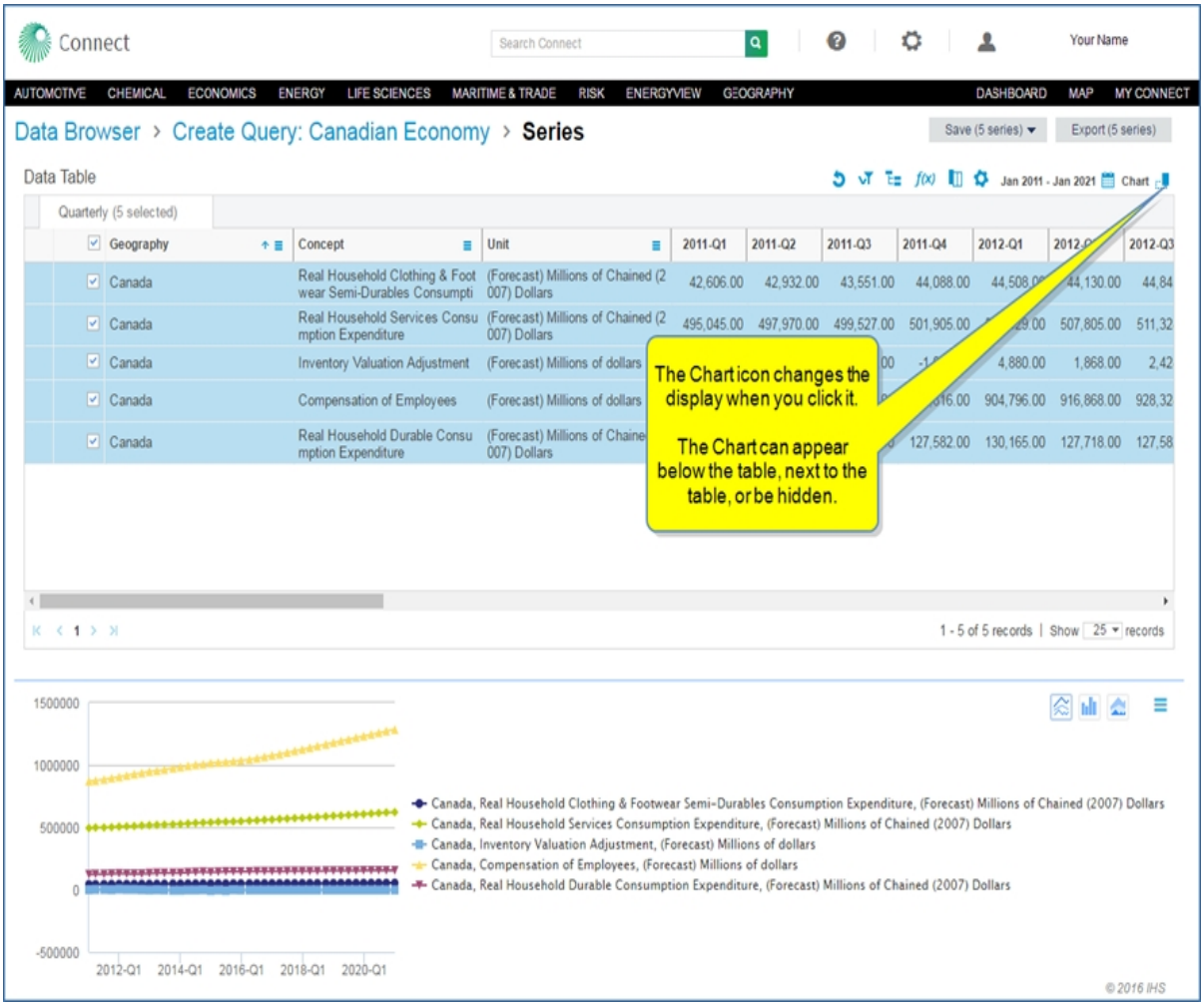
   When you move your mouse over the item **2Norway and 1 Swis** in the tree, the following icons are displayed: Click the first one to edit the aggregation. Click the second one to remove the aggregation.

• • •

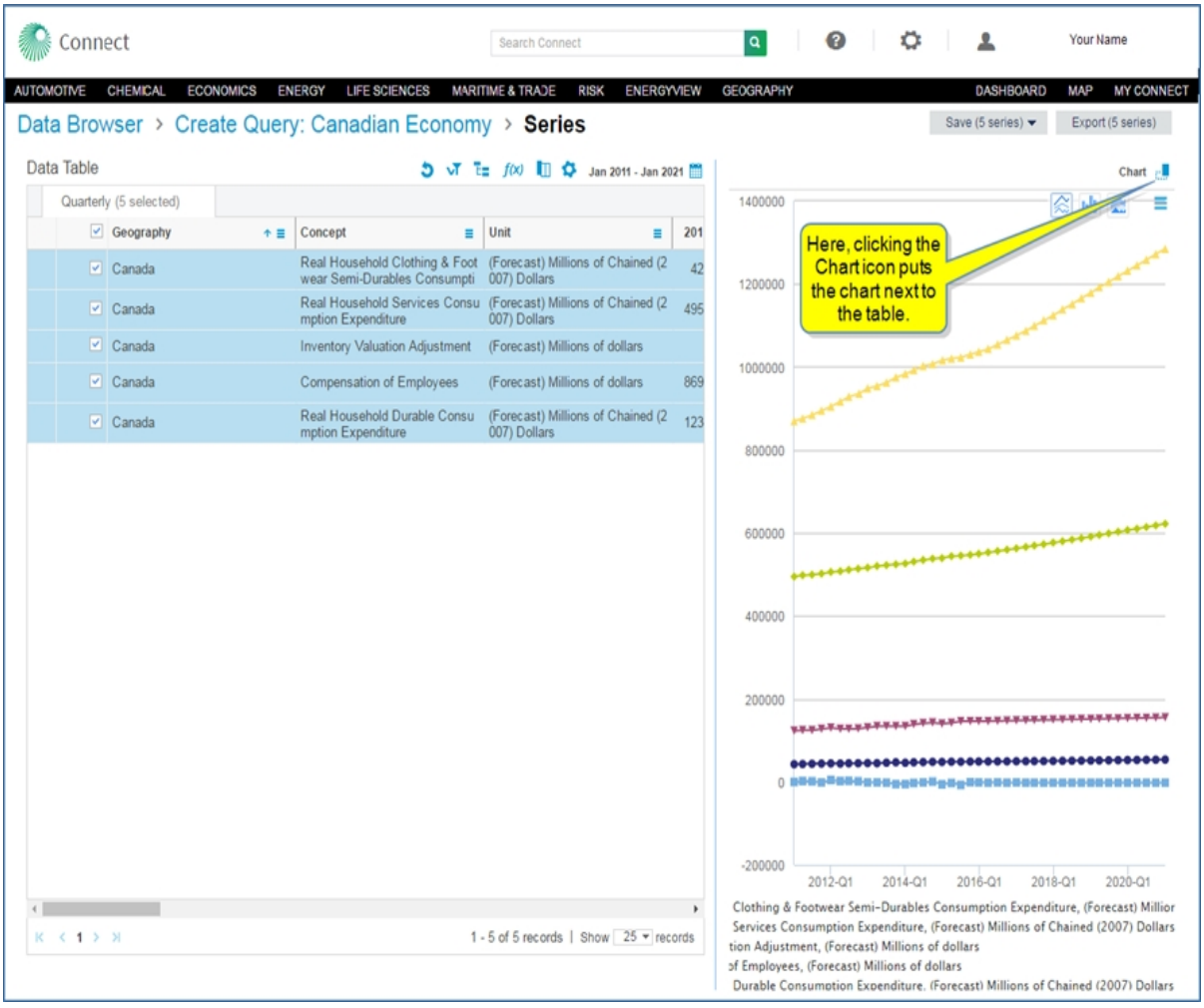
Viewing Data Series in the Data Table and Preview Chart

Once you click **View Series** on the Create Query page, the results of your query are displayed in a Data Table and Chart Preview. You can apply functions, save selected series to My Connect, or export selections or all series to an Excel (refreshable) spreadsheet.

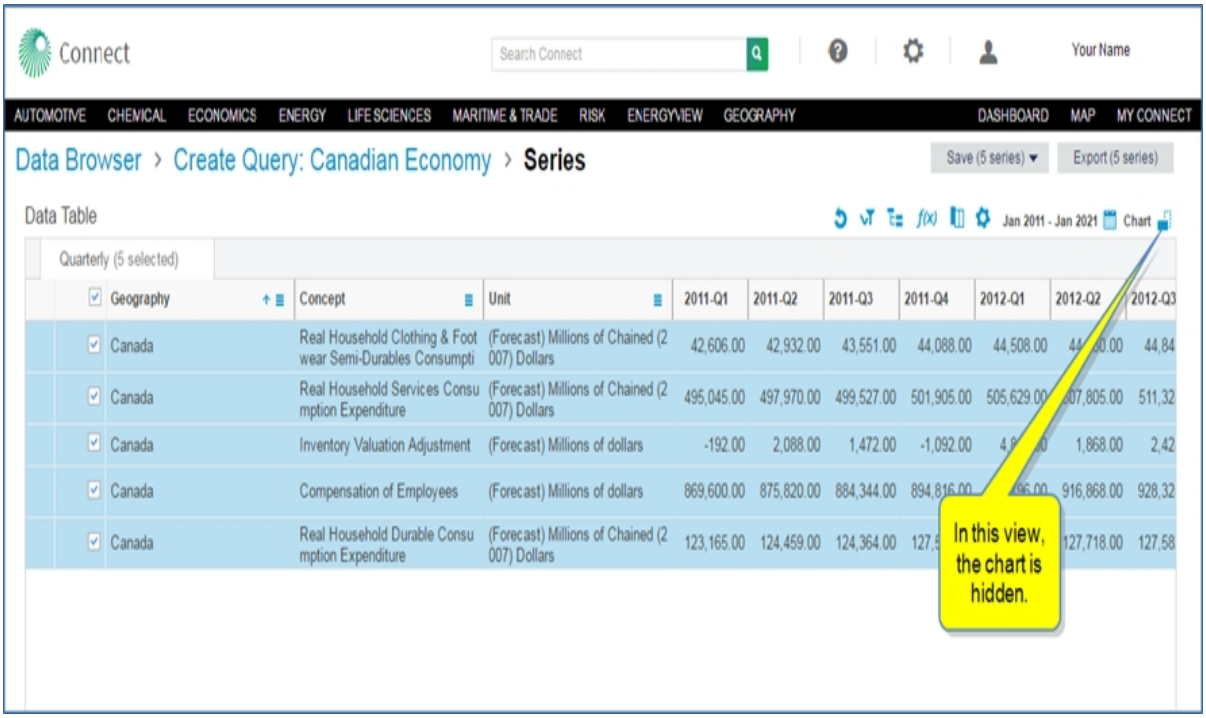
Note: You can get back to the Create Query page, using the breadcrumbs trail at the top of the page.



Here, the chart is displayed next to the table.

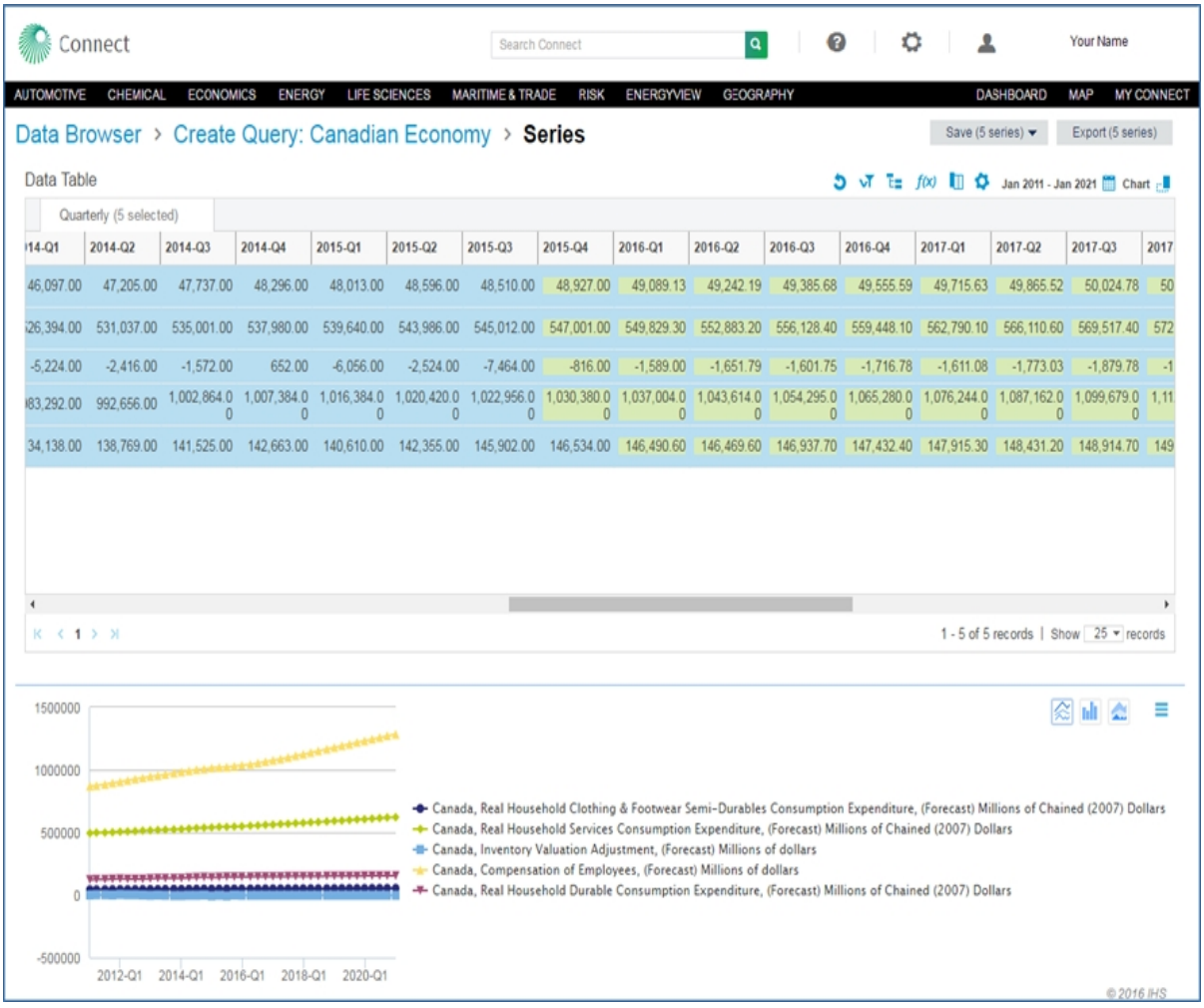


In this view, the chart is hidden.

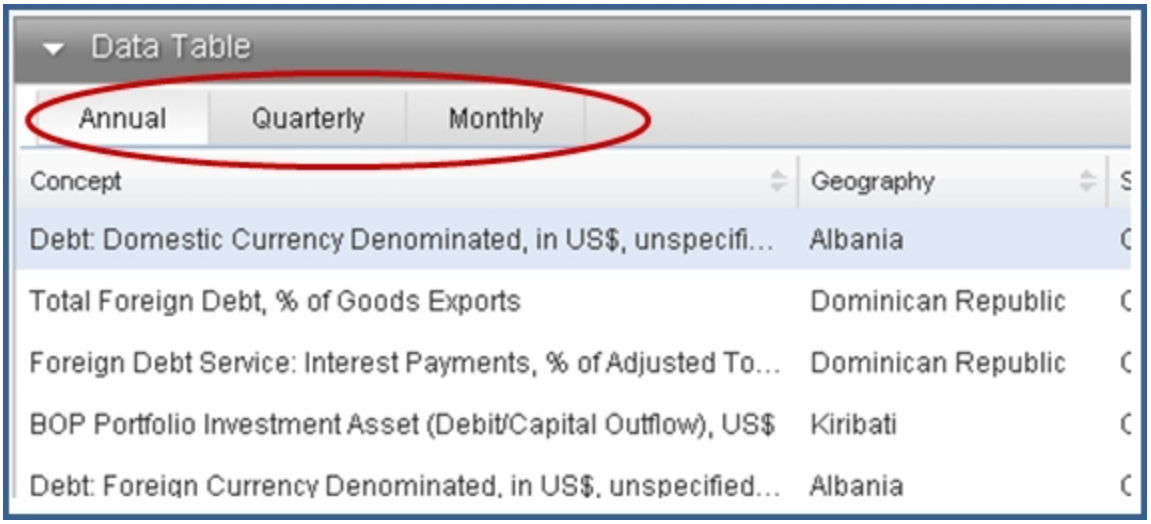


Note: Connect remembers the configuration you selected for the placement of the chart. When you open the dataset at a later time, the position of the chart (right, below, or hidden) relative to the table appears as you left it in your previous session.

When you use the scroll bar to go forward in time, IHS Markit forecast data is highlighted in green.

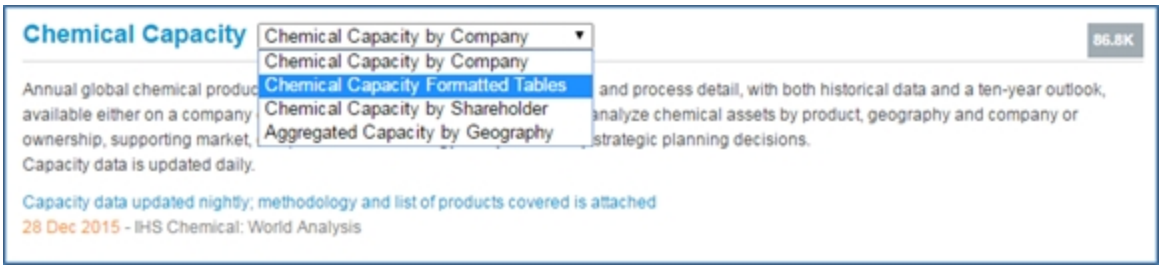


If the data series have different frequencies, each frequency is displayed in a separate tab.

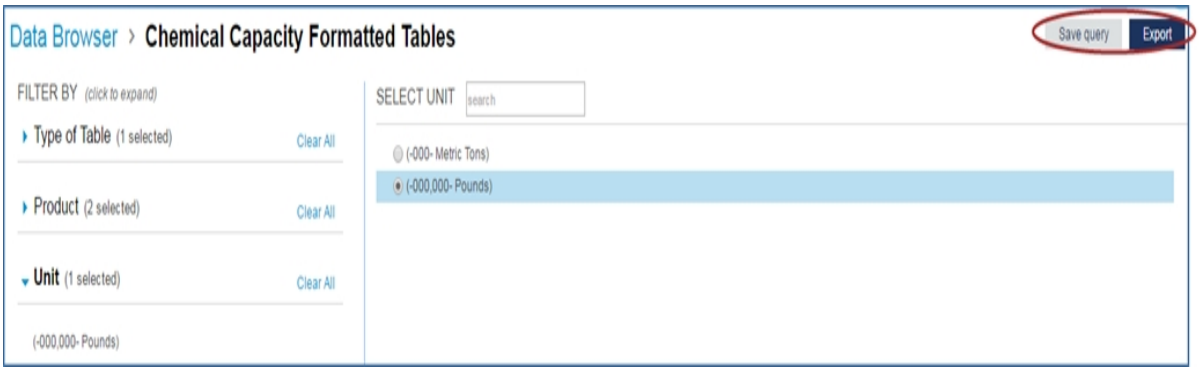


Use the horizontal scroll bar to view the full data series.

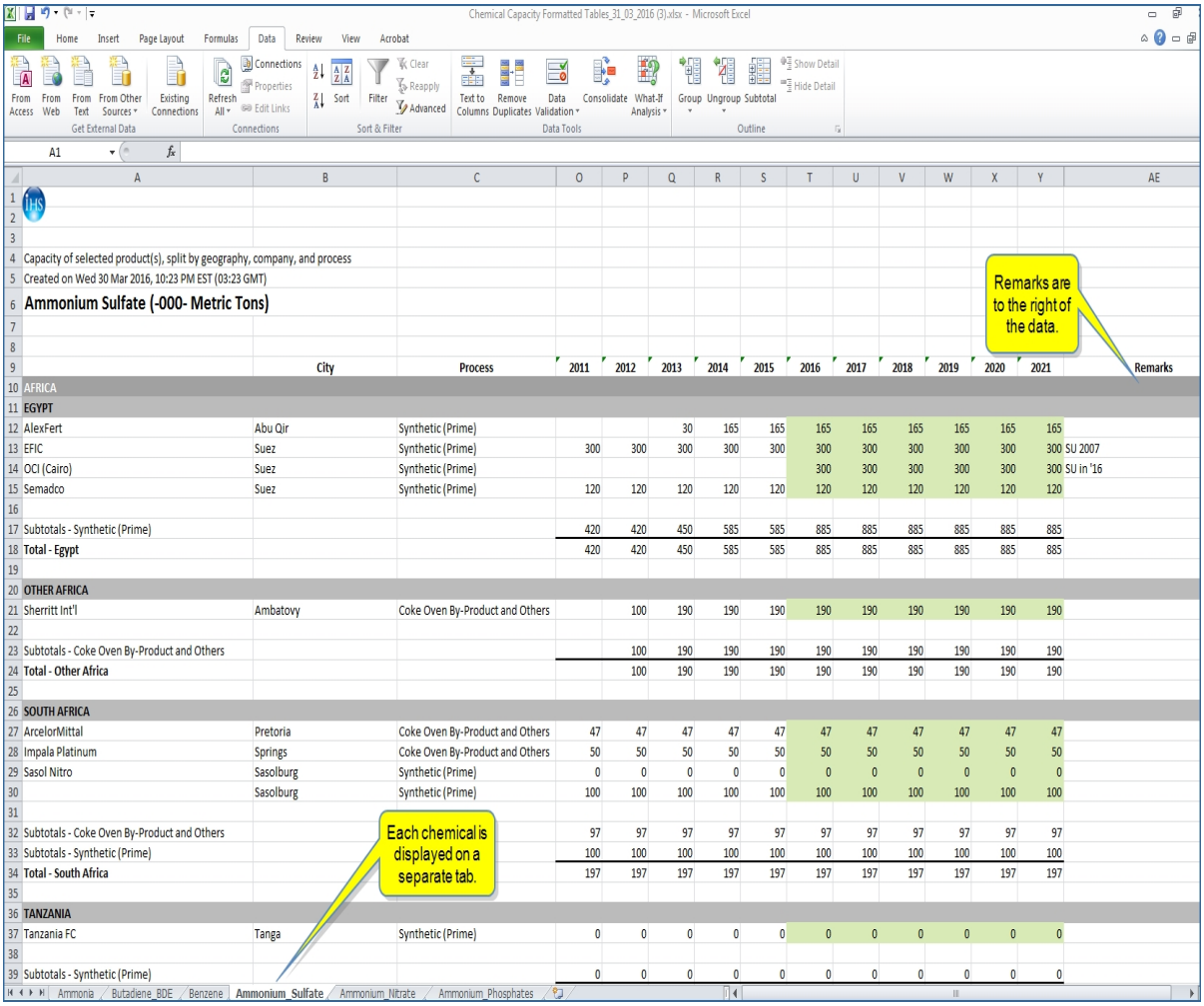
Note: for the datasets that provide predefined and formatted tables (for example, Chemical Capacity), there is no View Result page. You will export the data to Excel directly from the Create Query page.



After you select filters in Create Query, your results are viewed in the Excel spreadsheet. Therefore, the query page offers **Save Query** and **Export**, only.



The structured data is organized hierarchically by groupings of geography, companies, and process.

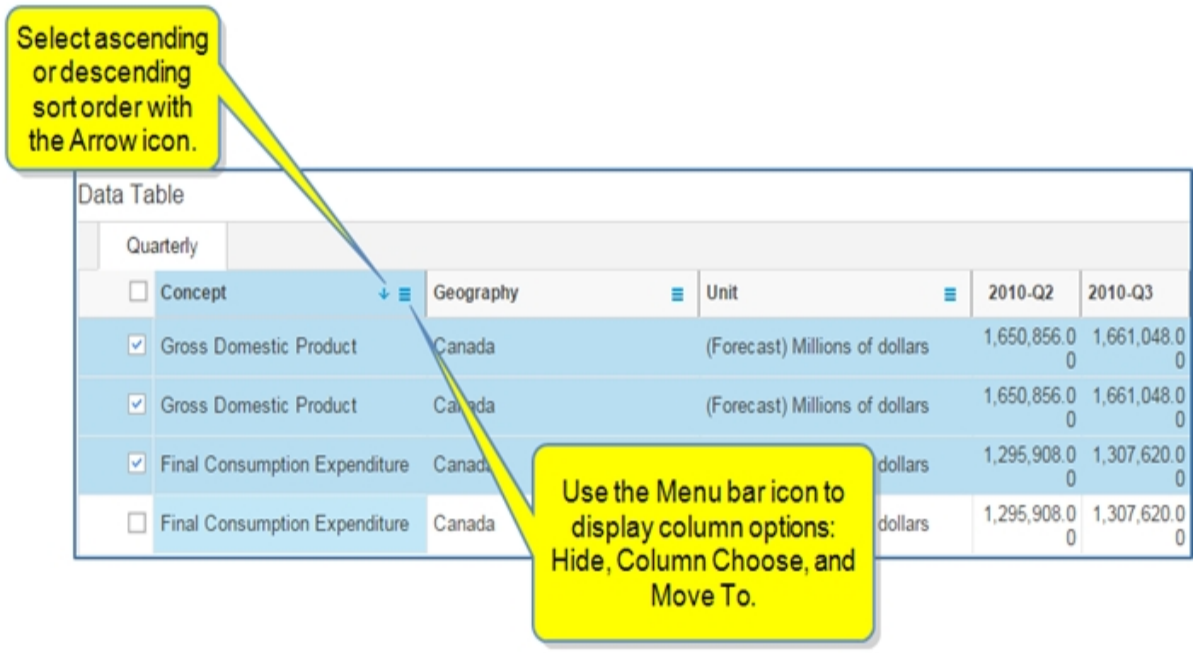


Function icons

The Function icons allow you to reset, filter, group, compute, choose columns, configure, select a date range, and select chart positions. See ***Applying the function icons*** below.

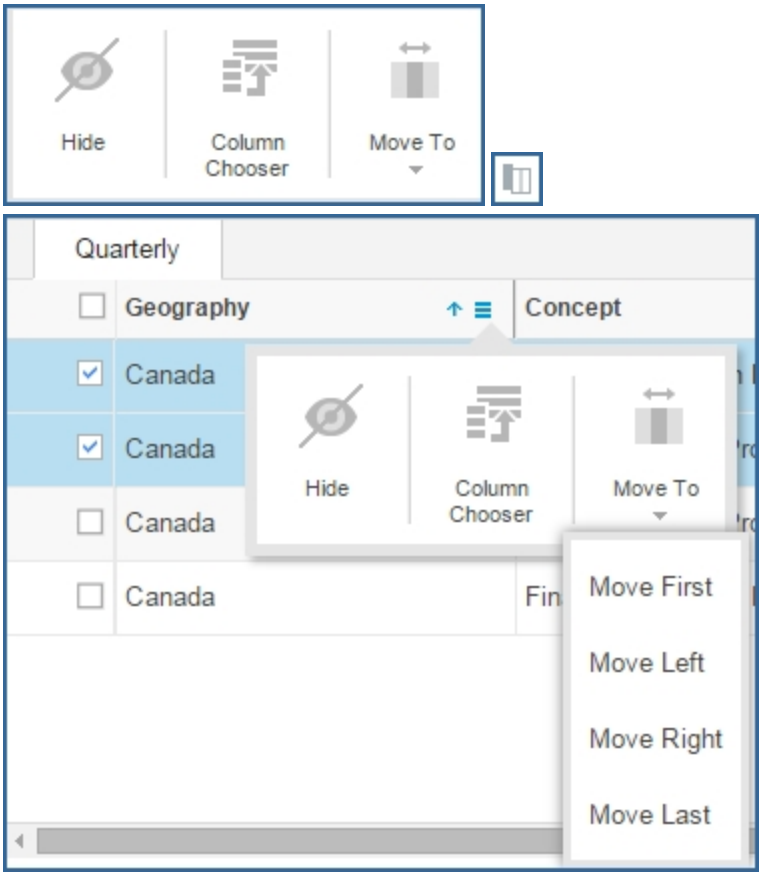
Column features in the Data Table

The Data Table displays an ascending and descending sort Arrow icon and a Menu bar icon that opens column display options. (You can also change columns displayed with the column function icon above the Data Table. See ***Applying the function icons*** below.)



The Menu icon displays **Hide**, **Column Chooser**, and **Move To** choices.

- You can hide a single column by selecting **Hide** within the column.
- You can toggle the **Hide** and **Show** link for multiple columns, and then select **Apply** with the **Column Chooser** option.
- You can move a column to **First**, **Left**, **Right**, or **Last** with the **Move To** option.



You can also move columns by dragging and dropping the column header.

Quarterly

Concept	Geography	Unit
Gross Domestic Product	Canada	(Forecast) Millions of dollars
Gross Domestic Product	Canada	(Forecast) Millions of dollars
Final Consumption Expenditure	Canada	(Forecast) Millions of dollars
Final Consumption Expenditure	Canada	(Forecast) Millions of dollars

Quarterly

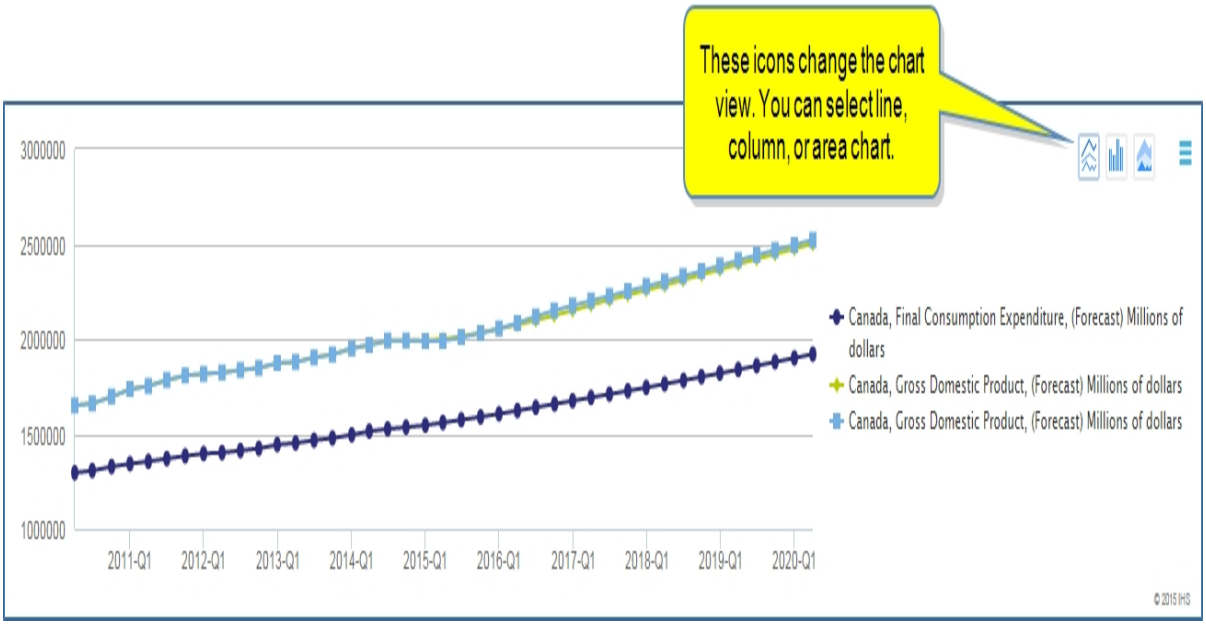
Geography	Concept	Unit
Canada	Gross Domestic Product	(Forecast) Millions of dollars
Canada	Gross Domestic Product	(Forecast) Millions of dollars
Canada	Final Consumption Expenditure	(Forecast) Millions of dollars
Canada	Final Consumption Expenditure	(Forecast) Millions of dollars

Quarterly

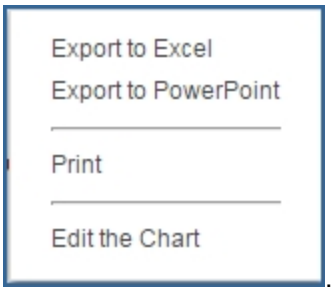
Geography	Concept	Unit
Canada	Gross Domestic Product	(Forecast) Millions of dollars
Canada	Gross Domestic Product	(Forecast) Millions of dollars
Canada	Final Consumption Expenditure	(Forecast) Millions of dollars
Canada	Final Consumption Expenditure	(Forecast) Millions of dollars

Chart options

The Chart Preview has three icons you can use to change the chart view from a line chart, to column, or area.



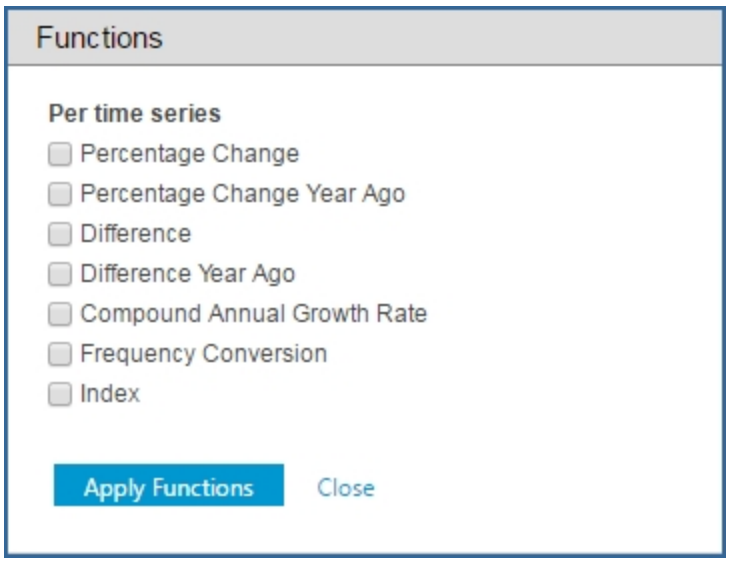
When you click the Menu bar icon, you have options to export the chart to Excel or PowerPoint, print the chart, or open the Chart Editor to make changes to the appearance of the chart. See How to use the Chart Editor.



Applying the function icons

The function icons help you experiment with data and customize your results.

	Reset settings allows you to put your custom settings back to the default settings.
	Enable Filtering allows you to filter the data table columns. To disable filtering, click the icon ( ) a second time.
	Enable grouping allows you to group your results. Drag a column into the available window or click select columns to choose columns you want to group the results into. To disable grouping, click the icon a second time.
	Functions enables you to compute Percentage Change, Percentage Change Year Ago, Difference, Difference Year Ago, Compound Annual Growth Rate, Frequency Conversion, or Index. The calculation applies to selected series.



Percentage Change: The change in data, from one period to another, expressed as a percentage of its value in the first of the two periods. PCH(x): Percent change of x lag 1: (x/x.1 - 1)*100.

Percentage Change Year Ago: The percentage change in data from a year ago.

Difference and Difference Year ago: Subtraction from period to period.

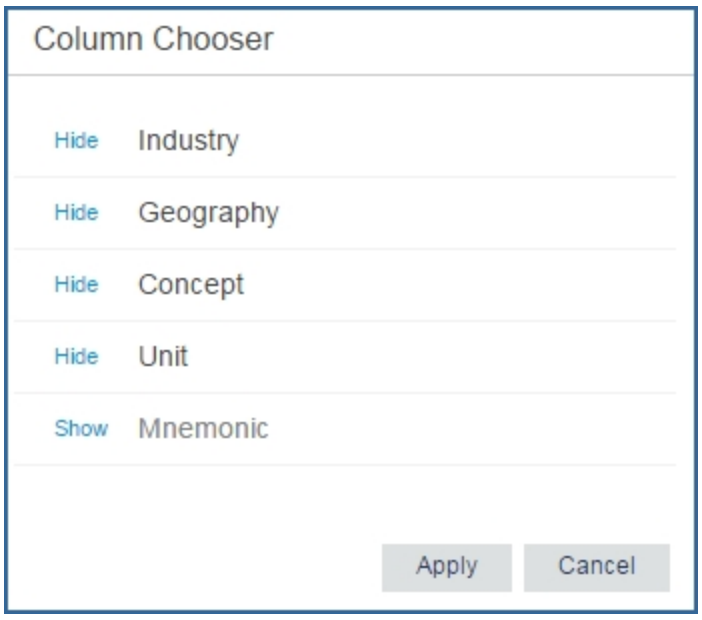
Compound Annual Growth Rate: CAGR(n, x): Compound annual growth rate of x lag n: ((x/x.n)** (p/n) - 1)*100, where p is the number of periods in each year.

Frequency Conversion: Convert to higher or lower frequency (weekly, monthly, annual) and select Method.

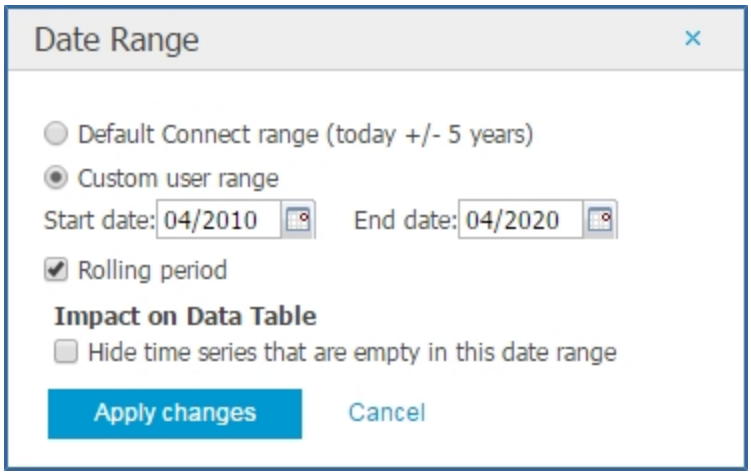
Index: Index based on an original time series where user specifies the Base Date, the Base Period, and the Base Value.

Natural Log: Mathematical logarithm concept.

Column Chooser allows you to determine which columns you want displayed on the data table. Each column contains a specific type of information about the data series. You can Hide or Show column titles by clicking the toggle links for **Hide** and **Show**. Select **Apply changes** or **Cancel**, as needed.



Column	Description
Base Period	Benchmark date for the index calculation.
Concept	Economic or Financial concept definition of the series.
Mnemonic	Series name assigned using the legacy DRI naming convention.
Data Edge	Last historical data period for forecast data.
End Date	The date of the last observation of time series data.
Frequency	Number of time intervals of the time series expressed as "Monthly" through "Annual."
Geography	Country or defined region for the time series.
Industry	Representation of a specific industry or sector for the series.
Last Update	Date the time series data was last updated with new values and/or revisions.
Long Label	Detailed description of time series.
Real/Nominal	When present, indicates whether a time series is real or nominal. Valid values are "Real," "Nominal," or "NA."
Scale	Denomination of the unit. Indexes are not scaled. For some forecast data, scale and unit are combined in the "Unit" column.
Seasonal Adjustment	When present, indicates whether a time series is seasonally adjusted. Valid values are "SA," "NSA," or "NA."
Series Type	Indicates whether a time series is historical or forecast. This column often includes forecast details indicating what type of forecast series it is.
Short Label	Abbreviated form of the "Long Label."
Source	The organization from which the data is obtained.
Start Date	The date of the first observation of time series data.
Unit	Standard of measurement, e.g., currency, percentage, index, and exchange rate. For some forecast data, scale and unit are combined in this column.
Product	Goods or merchandise item.

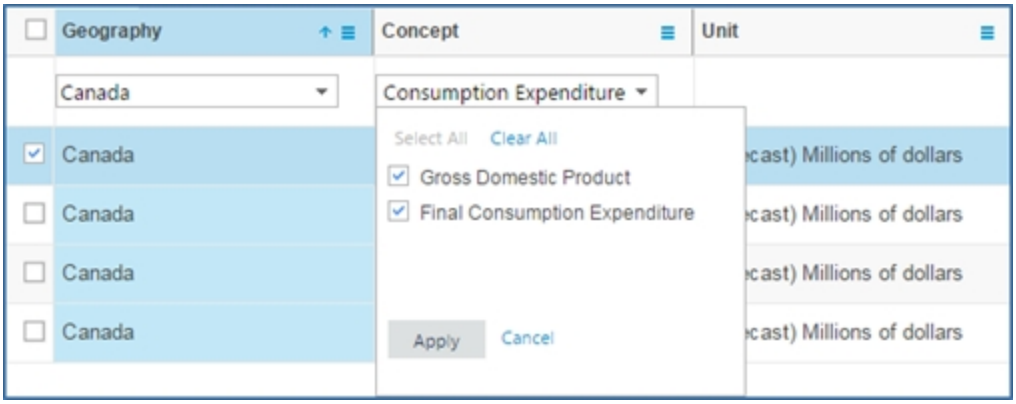
	Configuration enables you to customize your data browser export. Adjust orientation from data displayed in rows or columns, data exported into sheets by frequency, or group and positioning of the data in the sheet.
	Date Range allows you to set the start date and end dates for a data series at the default or a custom range. If you check **Rolling period**, your start date will move forward in time as time passes, and the end date will adjust to maintain the same range. In addition, you can hide any time series that are empty in the date range. Note that the default date range may vary depending on the nature of the data in a series. 
	Chart allows you to choose to hide the chart or position it below or to the right of the data table.

Details about Filtering

The Filtering function allows you to hide criteria you selected on the Query page without returning to the Query page.

First, select the Enabling Filter icon. (This is a toggle icon that enables and disables.)

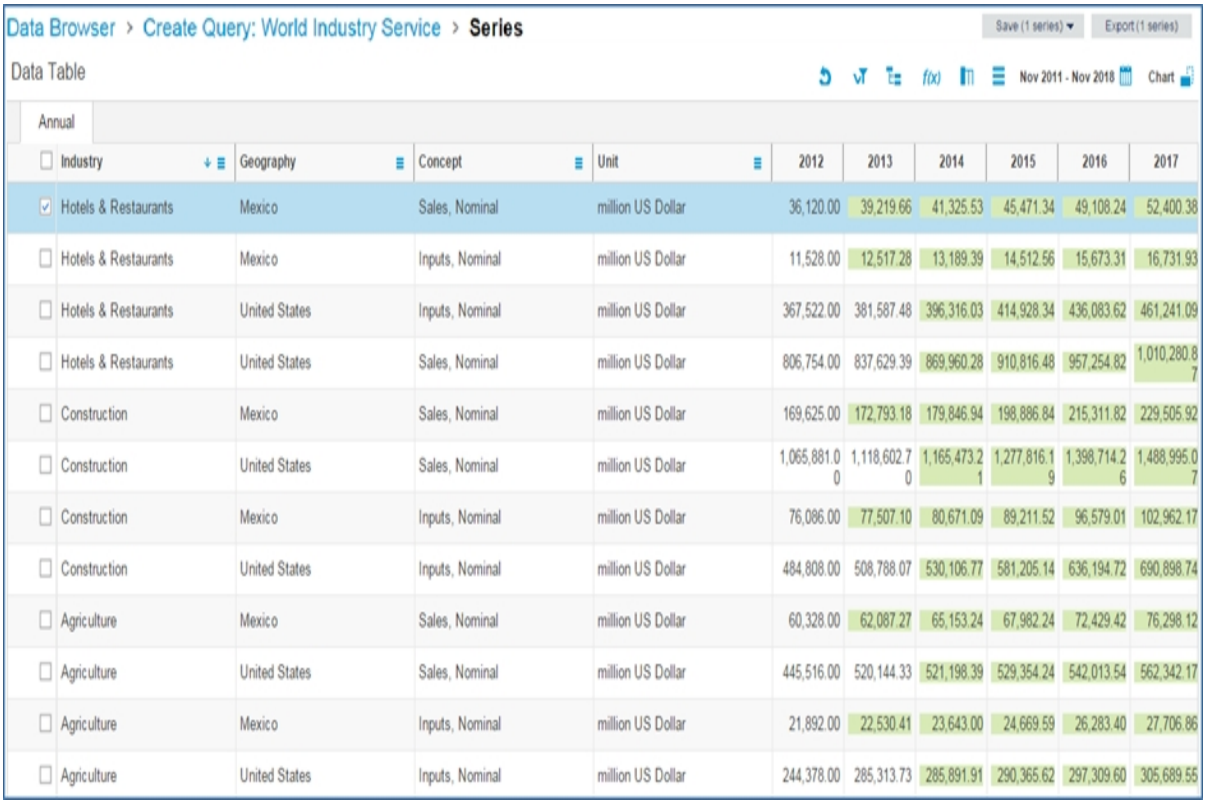
The headers for Geography and Concept display a criteria field with a drop-down list. Click the drop-down arrow for the Concept criteria. You can deselect **Gross Domestic Product** or **Final Consumption Expenditure**, and then select **Apply** to complete removal. Your item remains on the drop-down list, so you can select it and click **Apply** at any time to add it to the results in the Data Table.



Details about Grouping

When you apply the grouping function, you can change the layout of results in the Data Table. You can apply the grouping function to both series created in Data Browser and saved workbook series in My Connect.

In the following example, we have results for the World Industry Service that show multiple industries, geographies, and concepts.

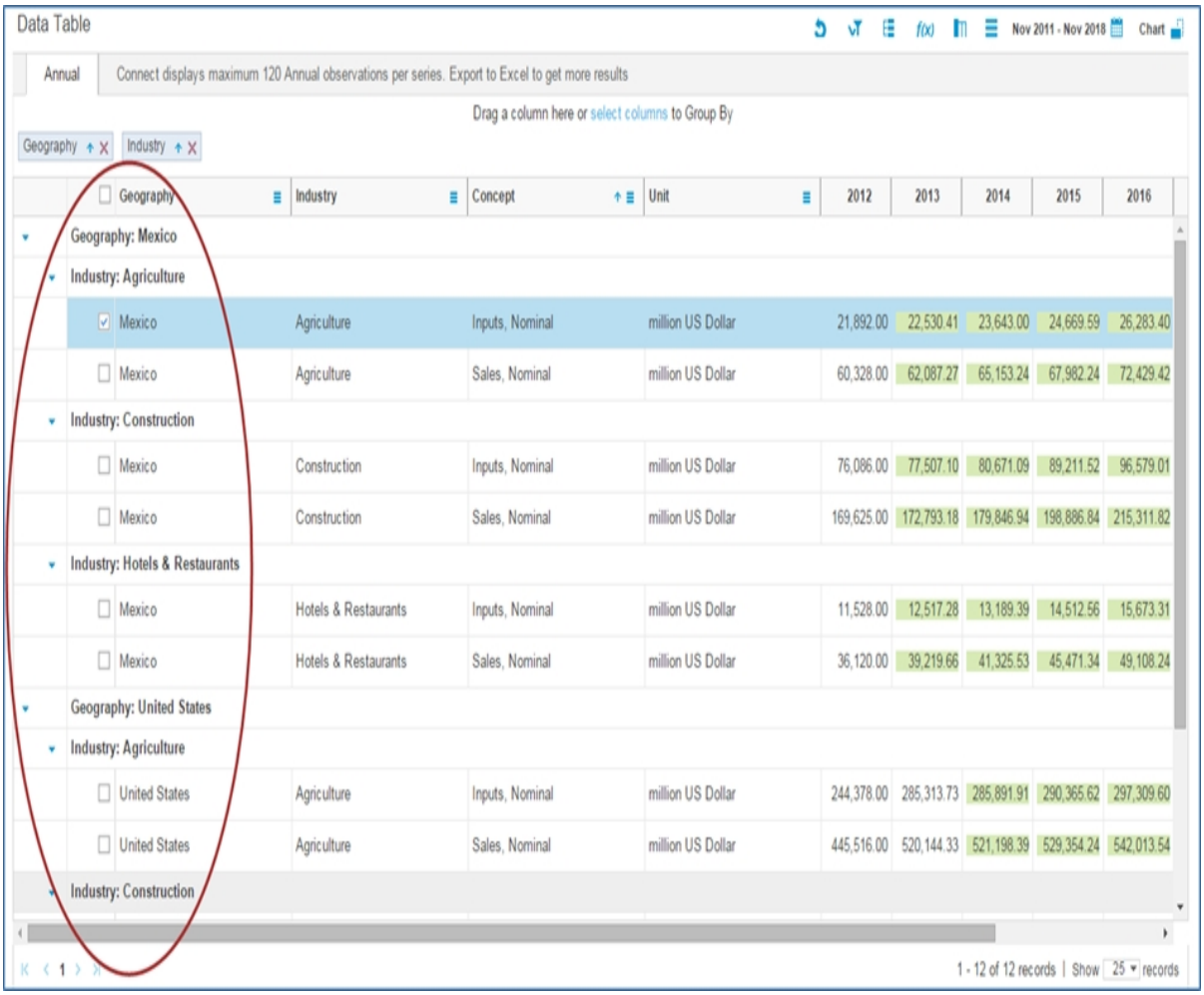


Industry	Geography	Concept	Unit	2012	2013	2014	2015	2016	2017
Hotels & Restaurants	Mexico	Sales, Nominal	million US Dollar	36,120.00	39,219.66	41,325.53	45,471.34	49,108.24	52,400.38
Hotels & Restaurants	Mexico	Inputs, Nominal	million US Dollar	11,528.00	12,517.28	13,189.39	14,512.56	15,673.31	16,731.93
Hotels & Restaurants	United States	Inputs, Nominal	million US Dollar	367,522.00	381,587.48	396,316.03	414,928.34	436,083.62	461,241.09
Hotels & Restaurants	United States	Sales, Nominal	million US Dollar	806,754.00	837,629.39	869,960.28	910,816.48	957,254.82	1,010,280.87
Construction	Mexico	Sales, Nominal	million US Dollar	169,625.00	172,793.18	179,846.94	198,886.84	215,311.82	229,505.92
Construction	United States	Sales, Nominal	million US Dollar	1,065,881.00	1,118,602.70	1,165,473.21	1,277,816.19	1,398,714.26	1,488,995.07
Construction	Mexico	Inputs, Nominal	million US Dollar	76,086.00	77,507.10	80,671.09	89,211.52	96,579.01	102,962.17
Construction	United States	Inputs, Nominal	million US Dollar	484,808.00	508,788.07	530,106.77	581,205.14	636,194.72	690,898.74
Agriculture	Mexico	Sales, Nominal	million US Dollar	60,328.00	62,087.27	65,153.24	67,982.24	72,429.42	76,298.12
Agriculture	United States	Sales, Nominal	million US Dollar	445,516.00	520,144.33	521,198.39	529,354.24	542,013.54	562,342.17
Agriculture	Mexico	Inputs, Nominal	million US Dollar	21,892.00	22,530.41	23,643.00	24,669.59	26,283.40	27,706.86
Agriculture	United States	Inputs, Nominal	million US Dollar	244,378.00	285,313.73	285,891.91	290,365.62	297,309.60	305,689.55

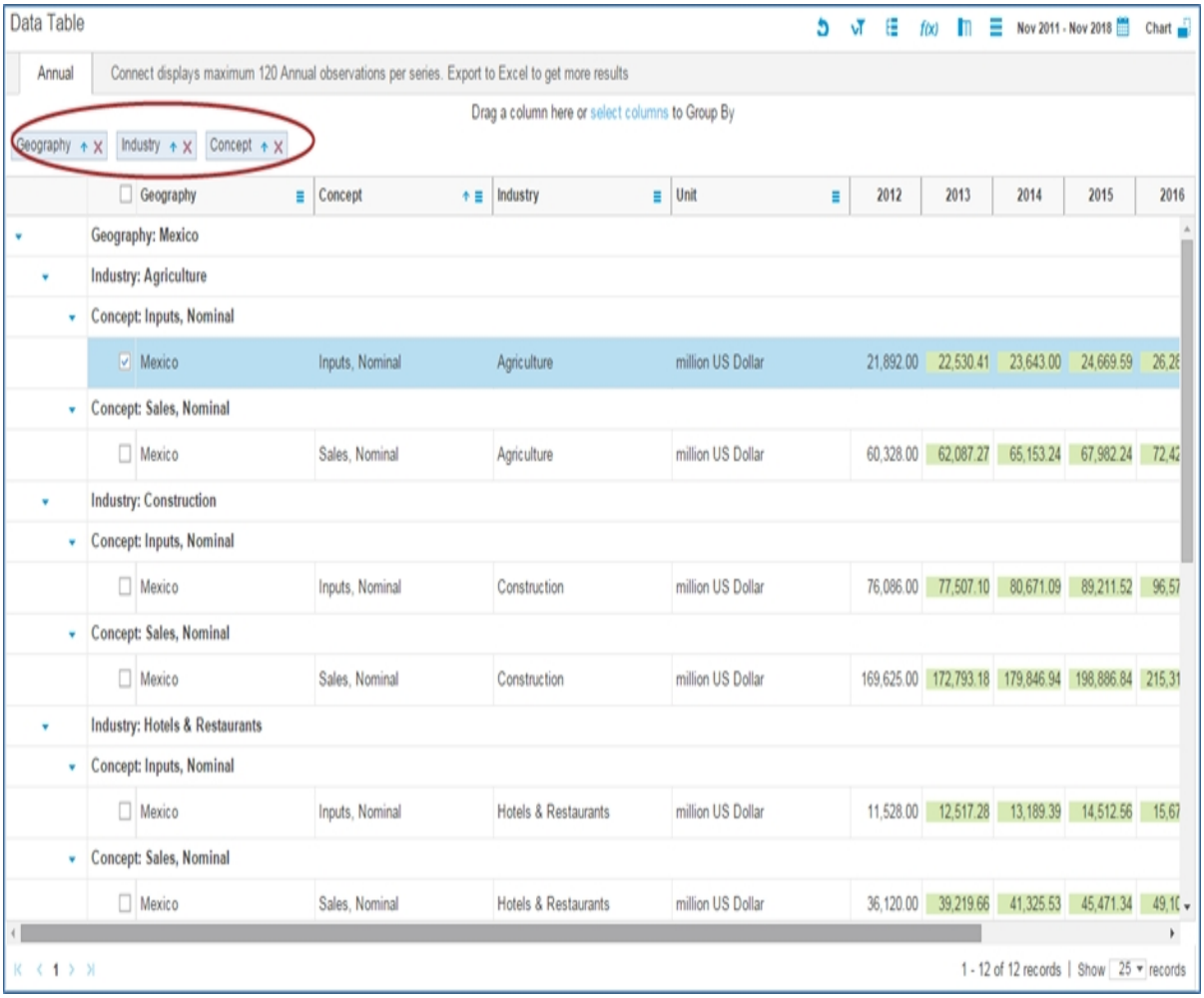
Select the Enable Grouping icon . (This is a toggle icon that enables and disables.) This allows you to drag the Geography header into the open space above the headers. In this example, we are dragging the

Geography and Industry headers to the open space. The result is a display of the data grouped by country and industry. We can also sort the Geography and Industry in ascending or descending order.

The result groups the data by country and industry.

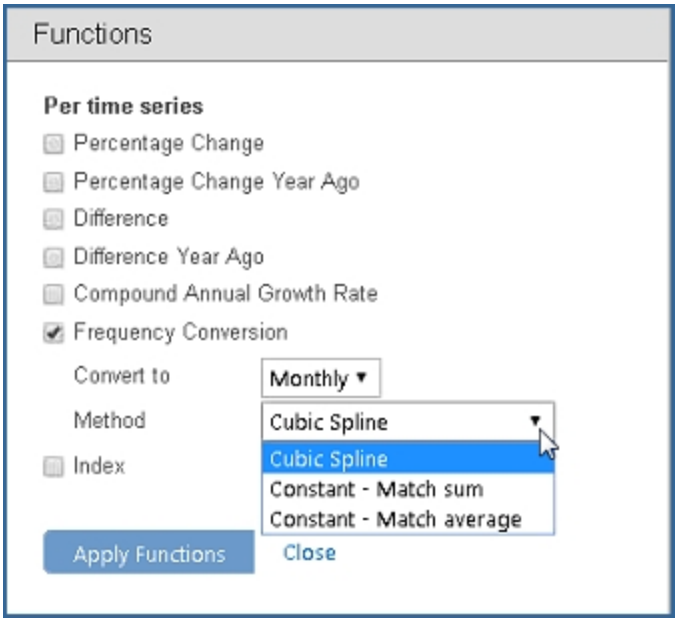


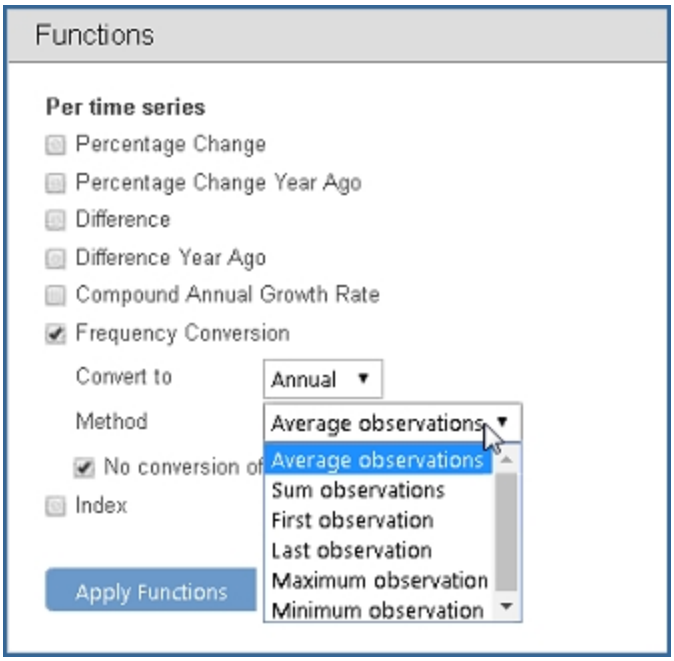
We can also add Concept to the grouping layout.



Details about Frequency Conversion

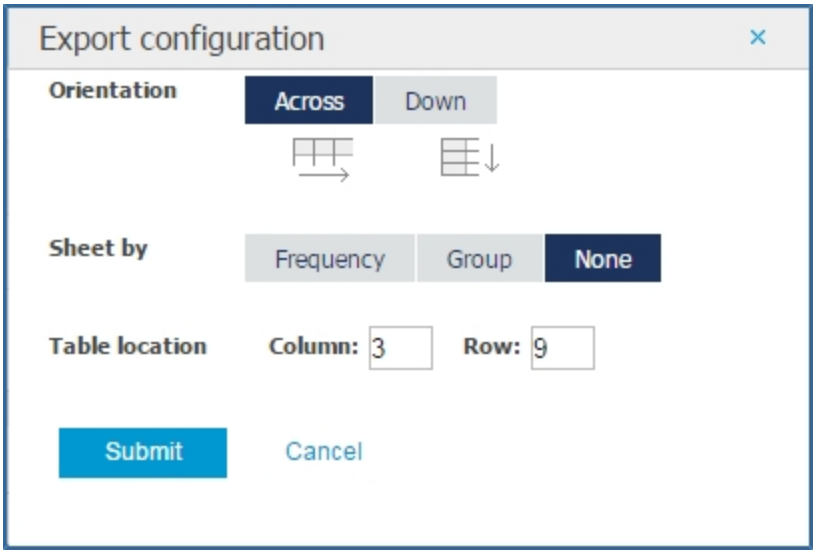
The Function icon f(x) Frequency Conversion option allows you to set the data to higher or lower frequency (weekly, monthly, quarterly, annual). When you select a Frequency, you must then select a Method.





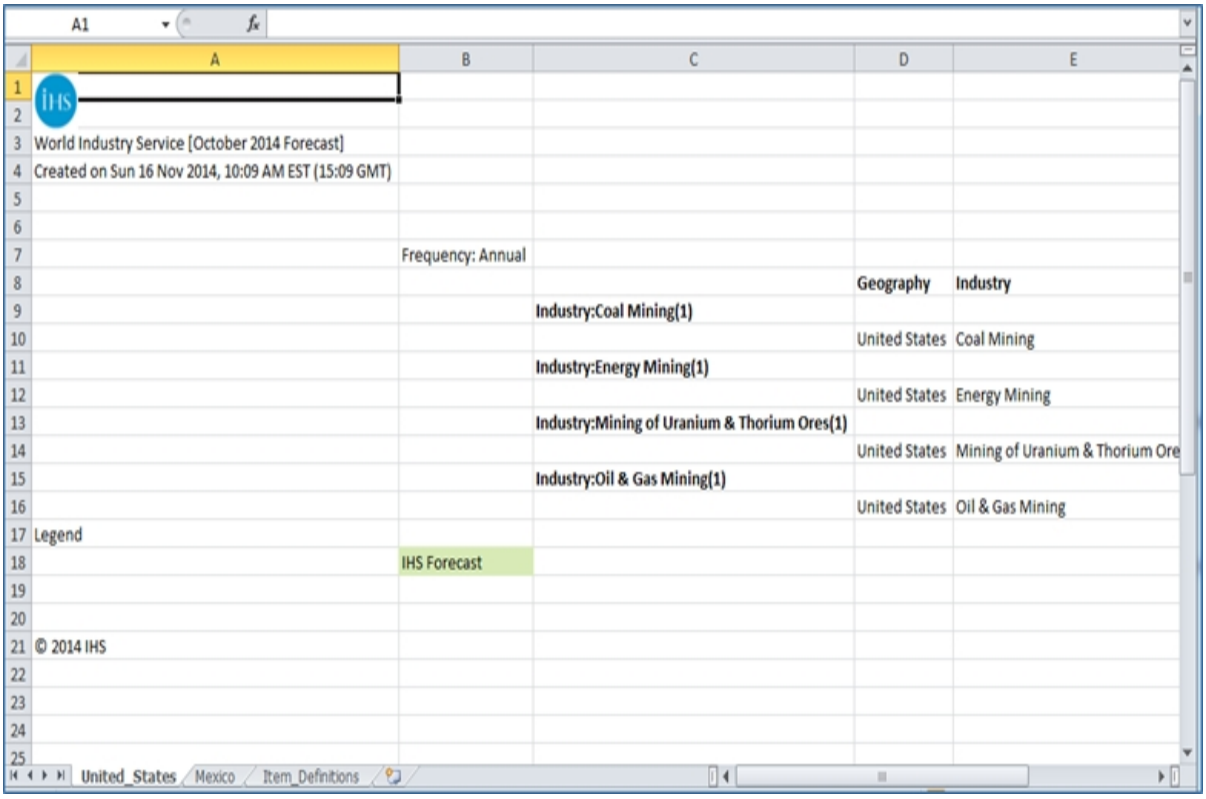
Details about Export Configuration

The Configuration icon allows you to choose layout options for an export to an Excel spreadsheet. (This is a toggle icon that enables and disables.) When you select the icon, the following dialog box is displayed.



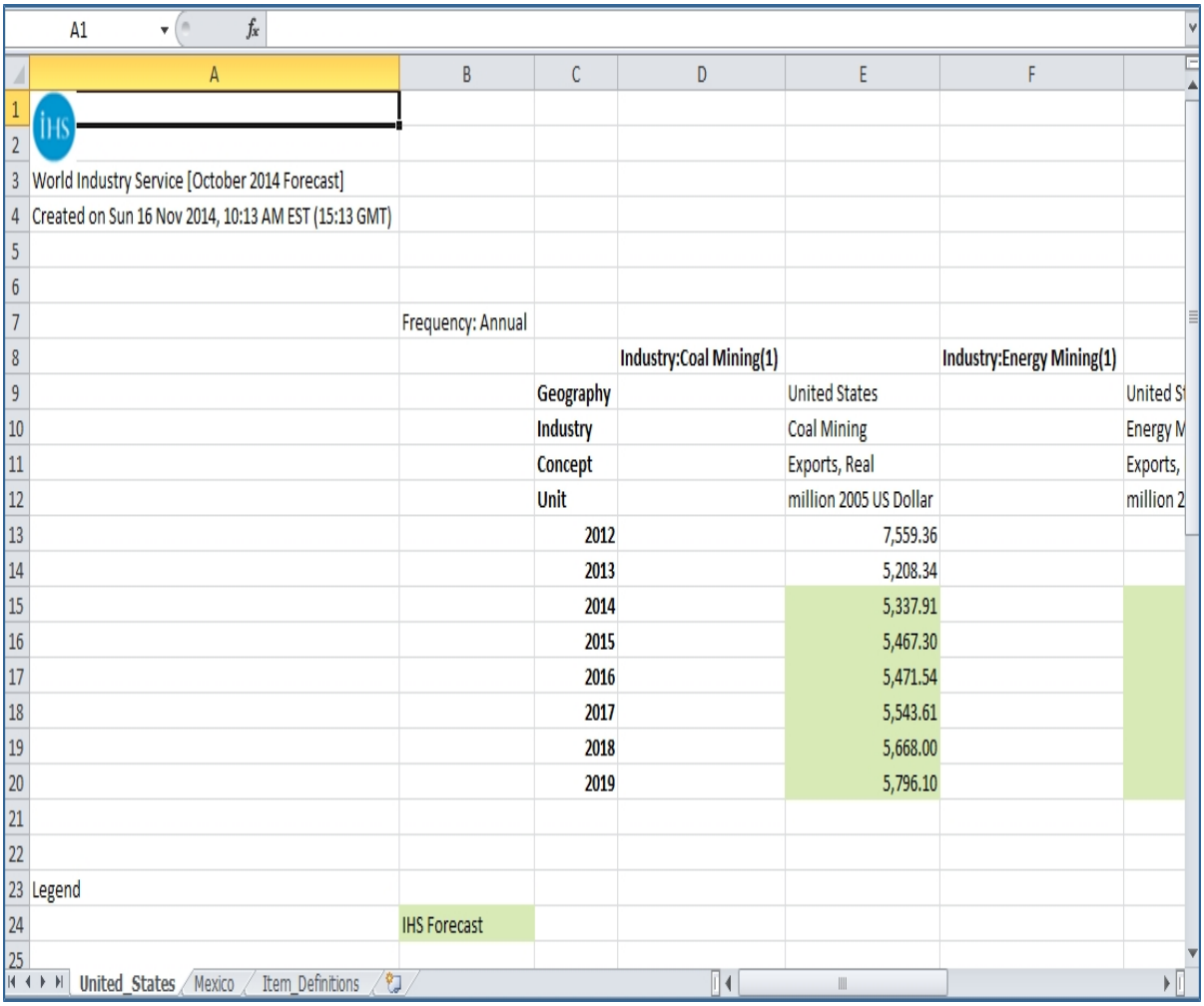
Orientation

The Orientation choice is horizontal or vertical.



	A	B	C	D	E
1					
2					
3	World Industry Service [October 2014 Forecast]				
4	Created on Sun 16 Nov 2014, 10:09 AM EST (15:09 GMT)				
5					
6					
7		Frequency: Annual			
8				Geography	Industry
9			Industry:Coal Mining(1)		
10				United States	Coal Mining
11			Industry:Energy Mining(1)		
12				United States	Energy Mining
13			Industry:Mining of Uranium & Thorium Ores(1)		
14				United States	Mining of Uranium & Thorium Ore
15			Industry:Oil & Gas Mining(1)		
16				United States	Oil & Gas Mining
17	Legend				
18		IHS Forecast			
19					
20					
21	© 2014 IHS				
22					
23					
24					
25					

United_States | Mexico | Item_Definitions



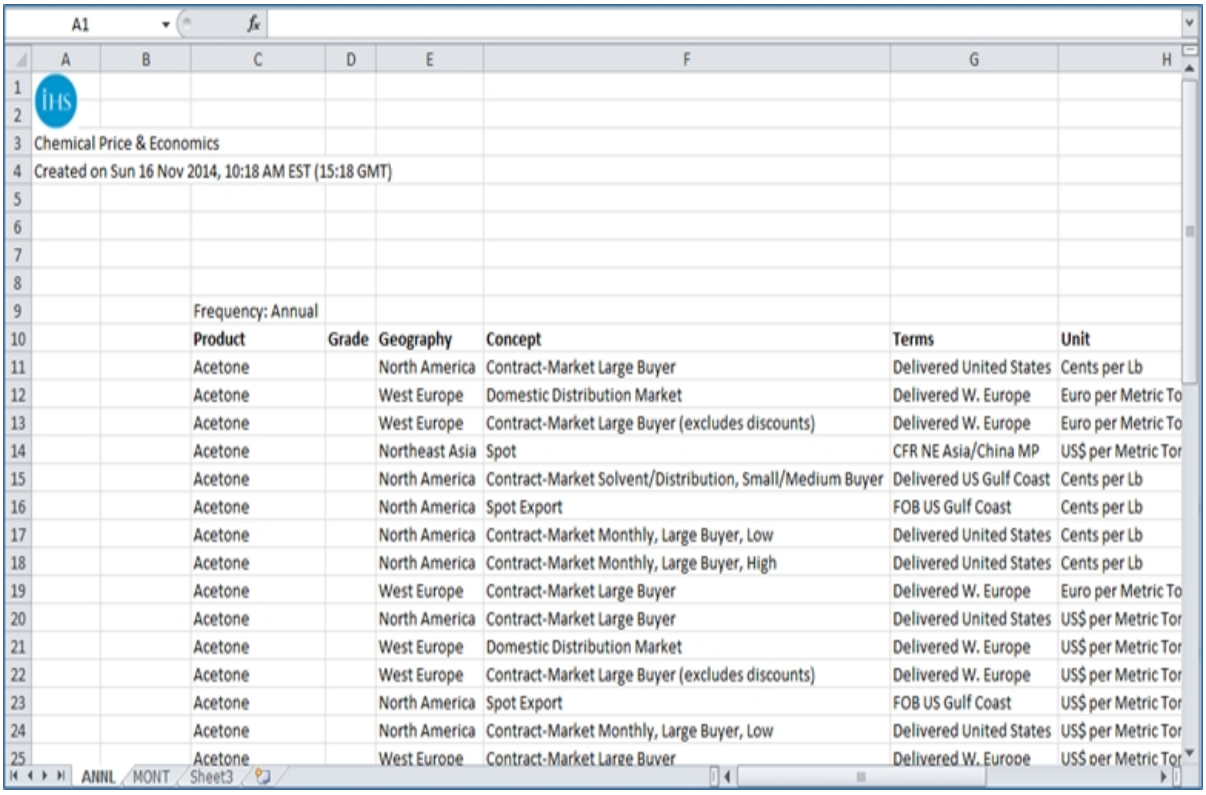
	A	B	C	D	E	F	
1							
2							
3	World Industry Service [October 2014 Forecast]						
4	Created on Sun 16 Nov 2014, 10:13 AM EST (15:13 GMT)						
5							
6							
7		Frequency: Annual					
8				Industry:Coal Mining(1)		Industry:Energy Mining(1)	
9			Geography		United States		United St
10			Industry		Coal Mining		Energy M
11			Concept		Exports, Real		Exports,
12			Unit		million 2005 US Dollar		million 2
13			2012		7,559.36		
14			2013		5,208.34		
15			2014		5,337.91		
16			2015		5,467.30		
17			2016		5,471.54		
18			2017		5,543.61		
19			2018		5,668.00		
20			2019		5,796.10		
21							
22							
23	Legend						
24		IHS Forecast					
25							

United_States | Mexico | Item_Definitions

Sheet by Frequency

Sheets and tabs can be organized by **Frequency** or **Group**. **None** puts all the information on one tab / sheet.

The following example shows the Excel spreadsheet with Frequency tabs for Annual and Monthly

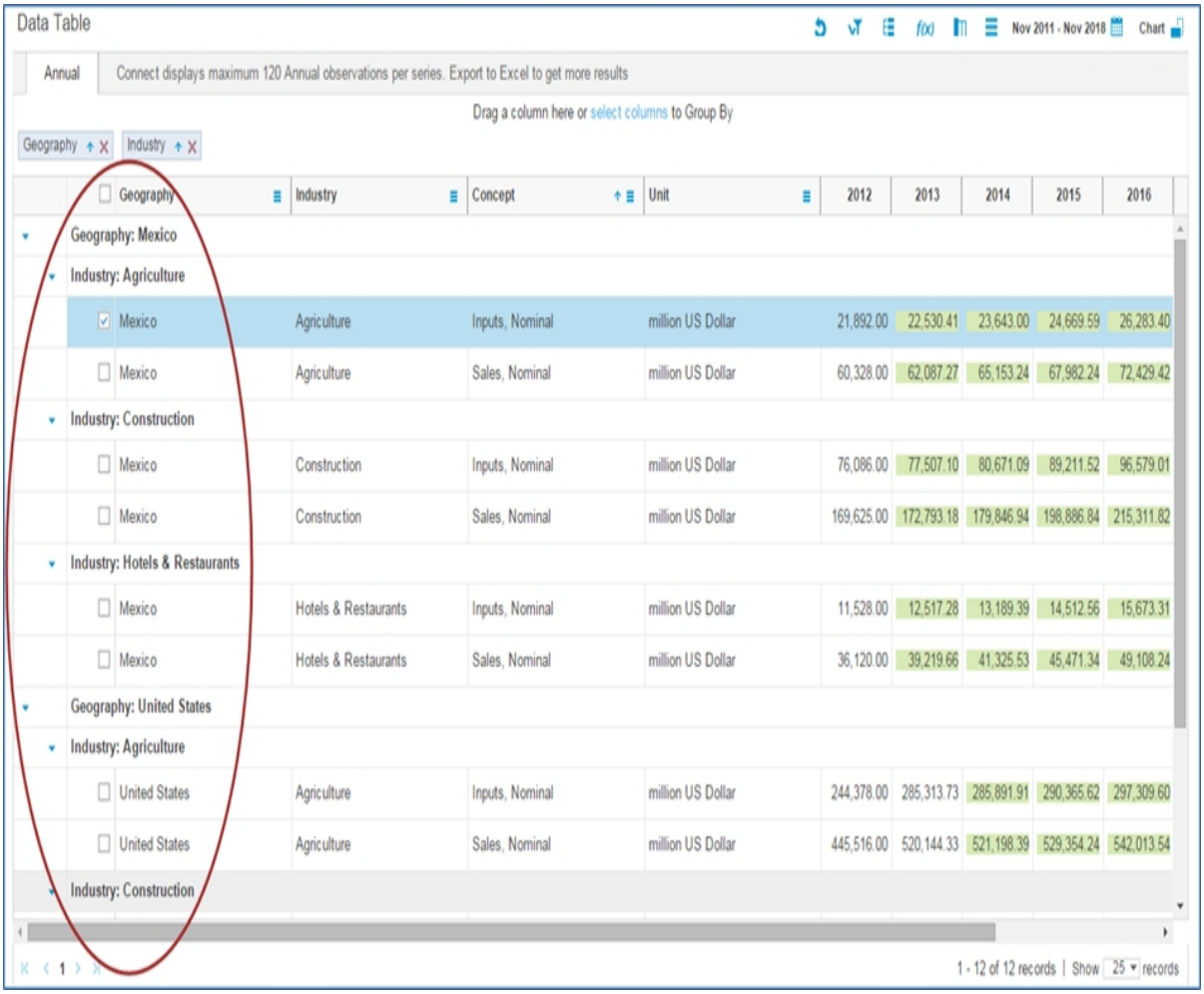


	A	B	C	D	E	F	G	H
1								
2								
3	Chemical Price & Economics							
4	Created on Sun 16 Nov 2014, 10:18 AM EST (15:18 GMT)							
5								
6								
7								
8								
9			Frequency: Annual					
10			**Product**	**Grade**	**Geography**	**Concept**	**Terms**	**Unit**
11			Acetone		North America	Contract-Market Large Buyer	Delivered United States	Cents per Lb
12			Acetone		West Europe	Domestic Distribution Market	Delivered W. Europe	Euro per Metric To
13			Acetone		West Europe	Contract-Market Large Buyer (excludes discounts)	Delivered W. Europe	Euro per Metric To
14			Acetone		Northeast Asia	Spot	CFR NE Asia/China MP	US$ per Metric Tor
15			Acetone		North America	Contract-Market Solvent/Distribution, Small/Medium Buyer	Delivered US Gulf Coast	Cents per Lb
16			Acetone		North America	Spot Export	FOB US Gulf Coast	Cents per Lb
17			Acetone		North America	Contract-Market Monthly, Large Buyer, Low	Delivered United States	Cents per Lb
18			Acetone		North America	Contract-Market Monthly, Large Buyer, High	Delivered United States	Cents per Lb
19			Acetone		West Europe	Contract-Market Large Buyer	Delivered W. Europe	Euro per Metric To
20			Acetone		North America	Contract-Market Large Buyer	Delivered United States	US$ per Metric Tor
21			Acetone		West Europe	Domestic Distribution Market	Delivered W. Europe	US$ per Metric Tor
22			Acetone		West Europe	Contract-Market Large Buyer (excludes discounts)	Delivered W. Europe	US$ per Metric Tor
23			Acetone		North America	Spot Export	FOB US Gulf Coast	US$ per Metric Tor
24			Acetone		North America	Contract-Market Monthly, Large Buyer, Low	Delivered United States	US$ per Metric Tor
25			Acetone		West Europe	Contract-Market Large Buyer	Delivered W. Europe	US$ per Metric Tor

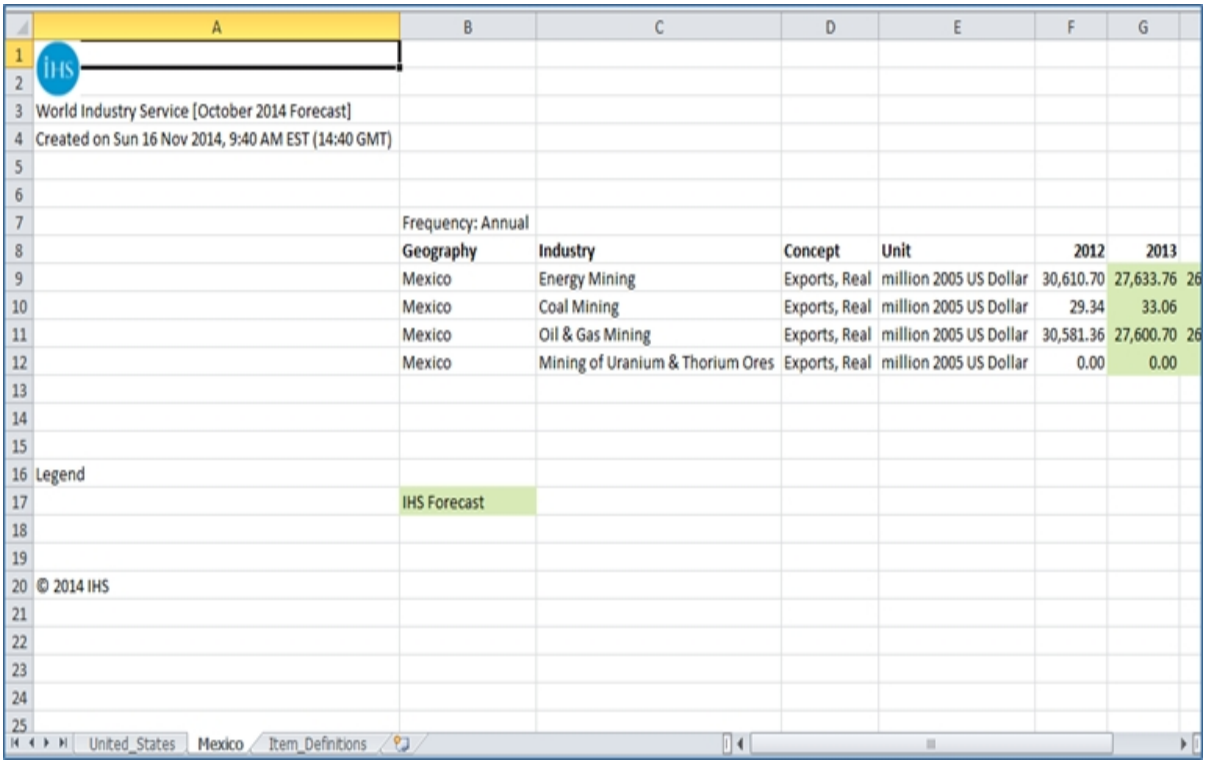
ANNL MONT Sheet3

Sheet by Group

In the following example, we are choosing the World Industry Service dataset, and we have selected multiple products, grades, geographies, units and frequencies on the Query page. Then we apply the Grouping function to organize the Geography and Industry results into groups.



The results of Grouping on the Excel spreadsheet in the following example show the United States and Mexico on separate tabs and the industries grouped on each tab. A third tab displays Item Definitions (available for select datasets).

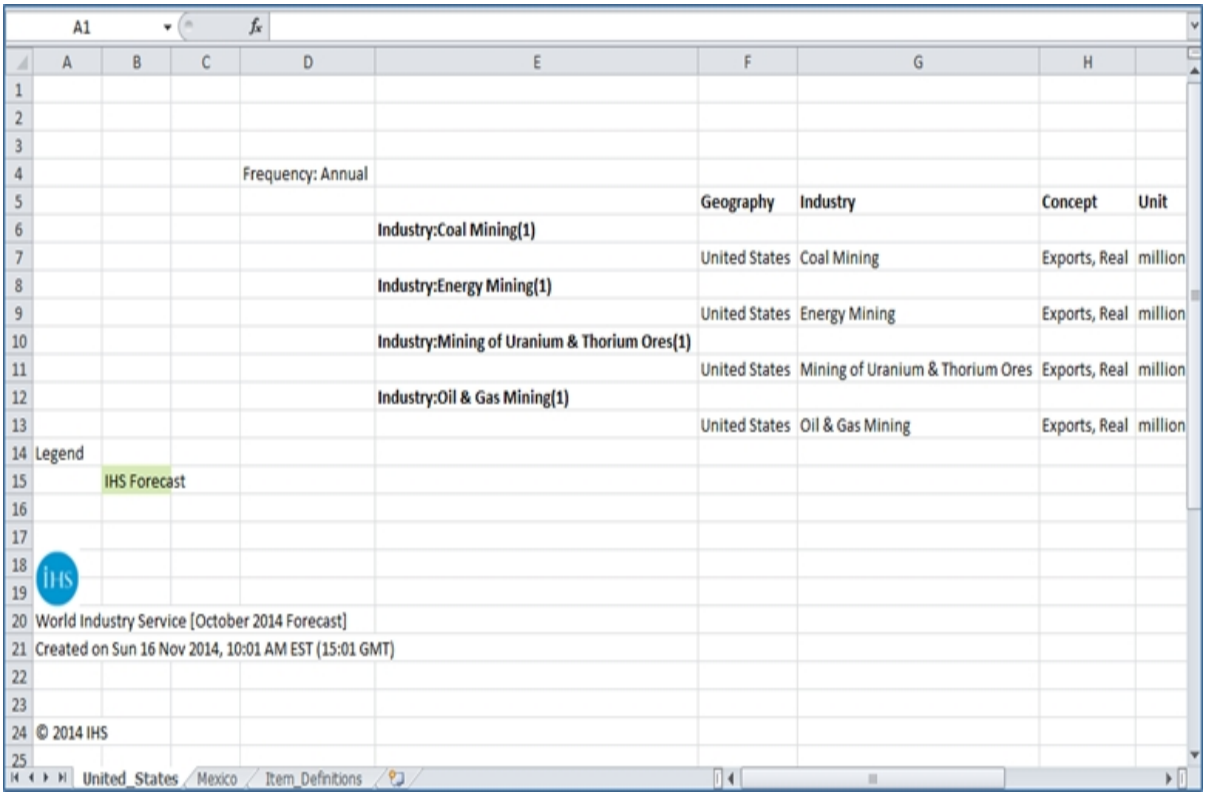


	A	B	C	D	E	F	G
1							
2							
3	World Industry Service [October 2014 Forecast]						
4	Created on Sun 16 Nov 2014, 9:40 AM EST (14:40 GMT)						
5							
6							
7		Frequency: Annual					
8		**Geography**	**Industry**	**Concept**	**Unit**	**2012**	**2013**
9		Mexico	Energy Mining	Exports, Real	million 2005 US Dollar	30,610.70	27,633.76 26
10		Mexico	Coal Mining	Exports, Real	million 2005 US Dollar	29.34	33.06
11		Mexico	Oil & Gas Mining	Exports, Real	million 2005 US Dollar	30,581.36	27,600.70 26
12		Mexico	Mining of Uranium & Thorium Ores	Exports, Real	million 2005 US Dollar	0.00	0.00
13							
14							
15							
16	Legend						
17		IHS Forecast					
18							
19							
20	© 2014 IHS						
21							
22							
23							
24							
25							

United_States | Mexico | Item_Definitions

Table location

You can change the Table Location for Columns and Rows. In the following example, the table column starts in column 4 and the row in the 4th row.



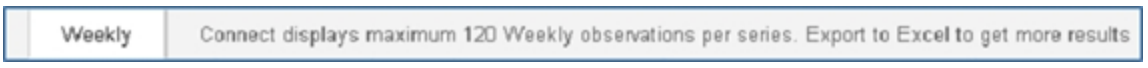
	A	B	C	D	E	F	G	H	
1									
2									
3									
4				Frequency: Annual					
5						Geography	Industry	Concept	Unit
6					Industry:Coal Mining(1)				
7						United States	Coal Mining	Exports, Real	million
8					Industry:Energy Mining(1)				
9						United States	Energy Mining	Exports, Real	million
10					Industry:Mining of Uranium & Thorium Ores(1)				
11						United States	Mining of Uranium & Thorium Ores	Exports, Real	million
12					Industry:Oil & Gas Mining(1)				
13						United States	Oil & Gas Mining	Exports, Real	million
14	Legend								
15		IHS Forecast							
16									
17									
18									
19									
20	World Industry Service [October 2014 Forecast]								
21	Created on Sun 16 Nov 2014, 10:01 AM EST (15:01 GMT)								
22									
23									
24	© 2014 IHS								
25									

United_States Mexico Item_Definitions

Date Range

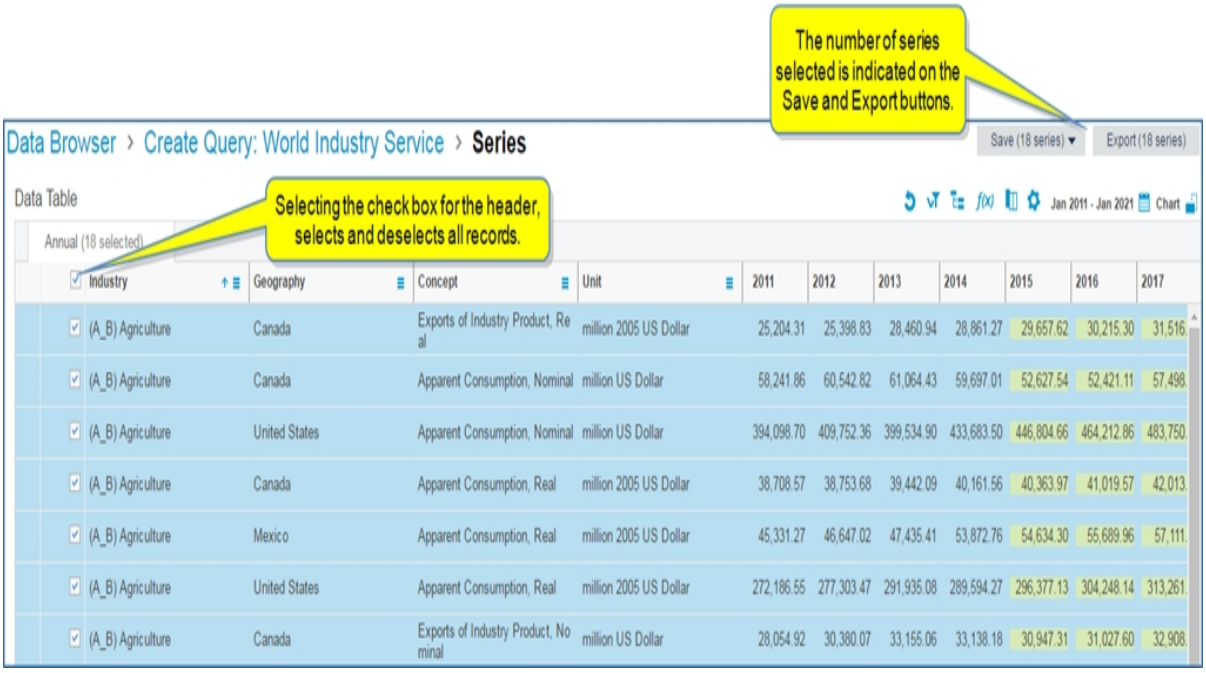
The default date range may vary across datasets depending on the nature of the data. Using the calendar icon, you can customize the start and end dates for a data series. If you check **Rolling period**, your start date will move forward in time as time passes, and the end date will adjust to maintain the same range.

Note: When using the Date Range function, remember that Connect displays maximum 120 periods for each time series. If the date range contains more than 120 periods, Connect displays the following message: "Connect displays maximum 120 Weekly observations per series. Export to Excel to get more results."



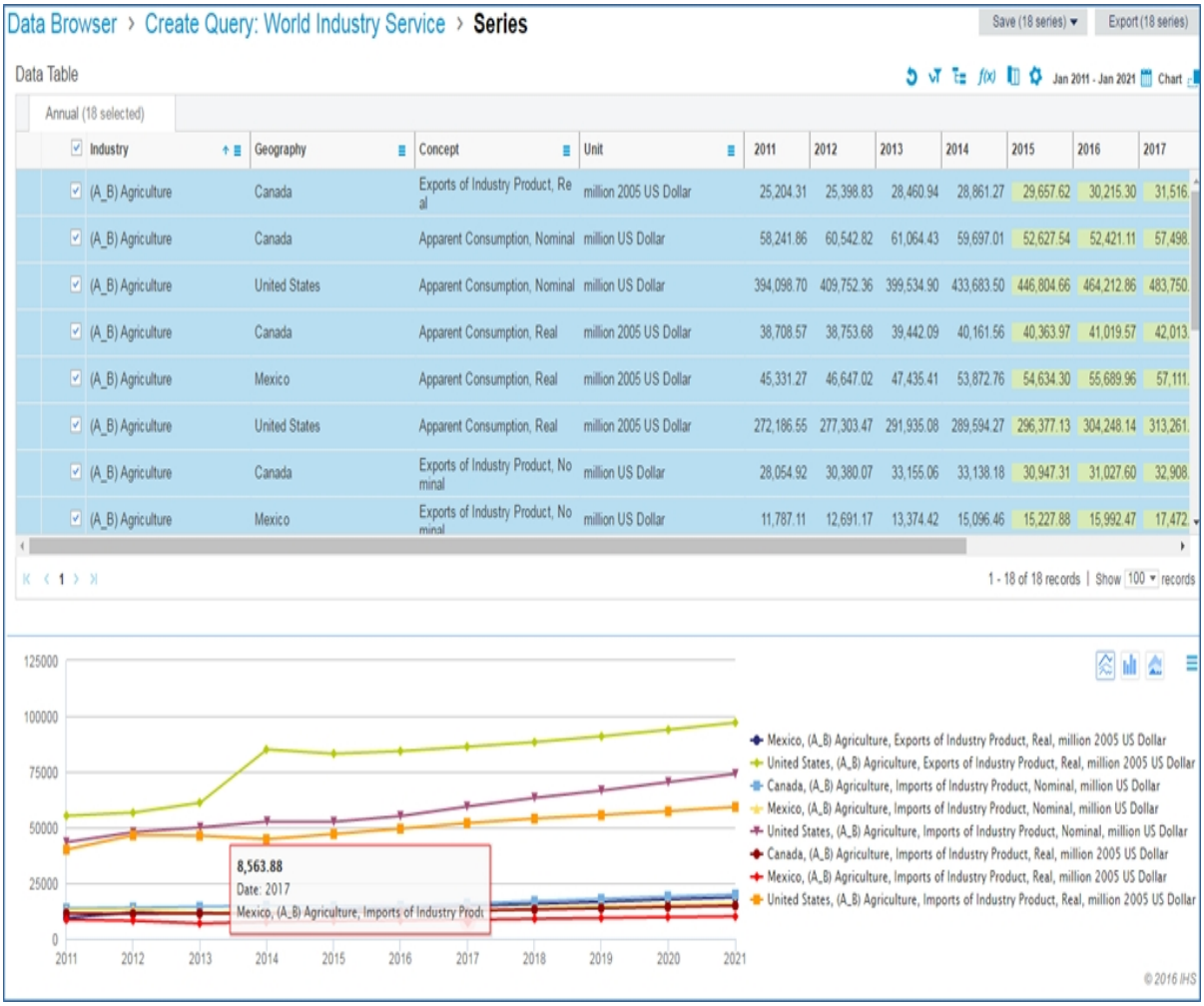
Saving Data Browser results

You can save one, several, or all of the series from query results. The toggle check box in the first column for Industry allows you to select all or none. The number you are saving or exporting is included in parenthesis on the **Save** and **Export** buttons.

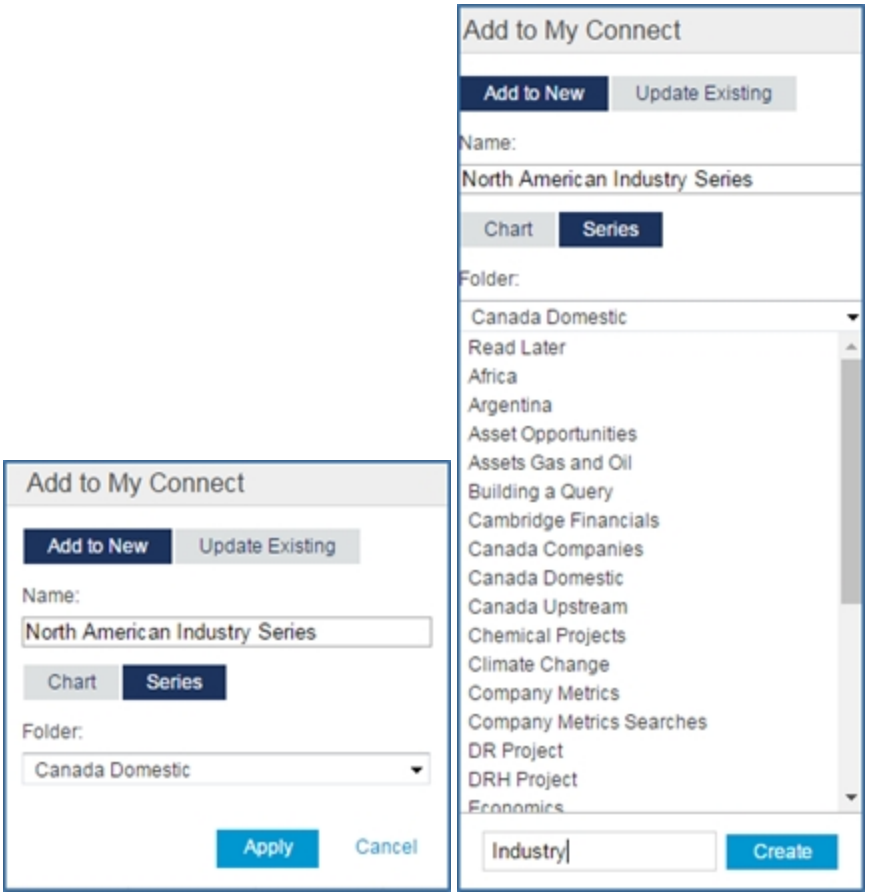


Using the **Save** drop-down menu, you can save the series or query.

As you select your chosen series, the Chart Preview changes and displays up to eight corresponding lines or bars, depending on the type of chart you have displayed. (Use the chart type icons to change the Chart Preview .)

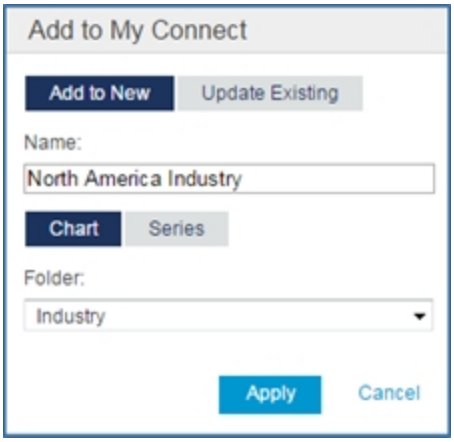


When you select **Save Series**, the **Add to My Connect...** dialog box is displayed. Enter a Name for the series, select a current folder after clicking the down arrow and making a selection, and then select **Apply**. You can also create a new folder by clicking the down arrow and entering a new folder name at the bottom and selecting **Create**. The series is saved on My Connect.

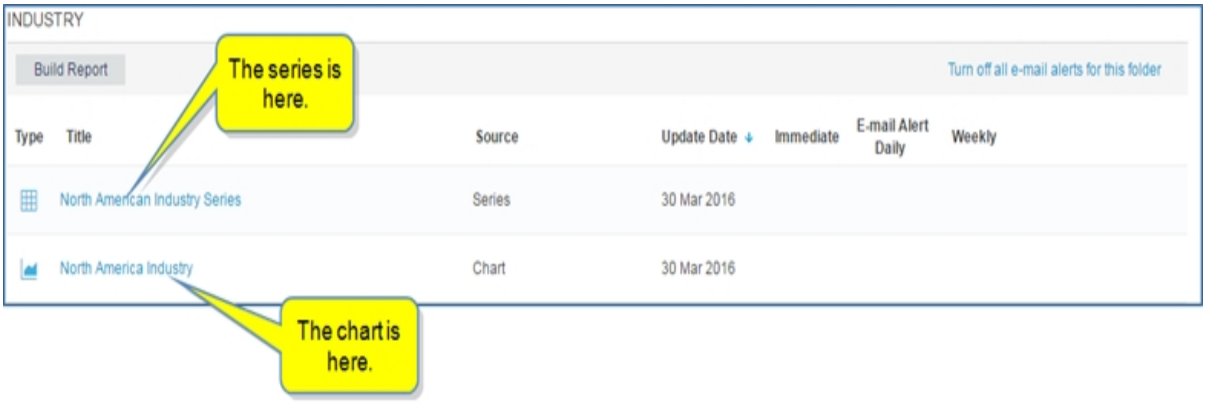


We are naming the series "North America Industry Series" and creating a new folder called "Industry". When we click **Create**, the series is saved in "Industry" on My Connect.

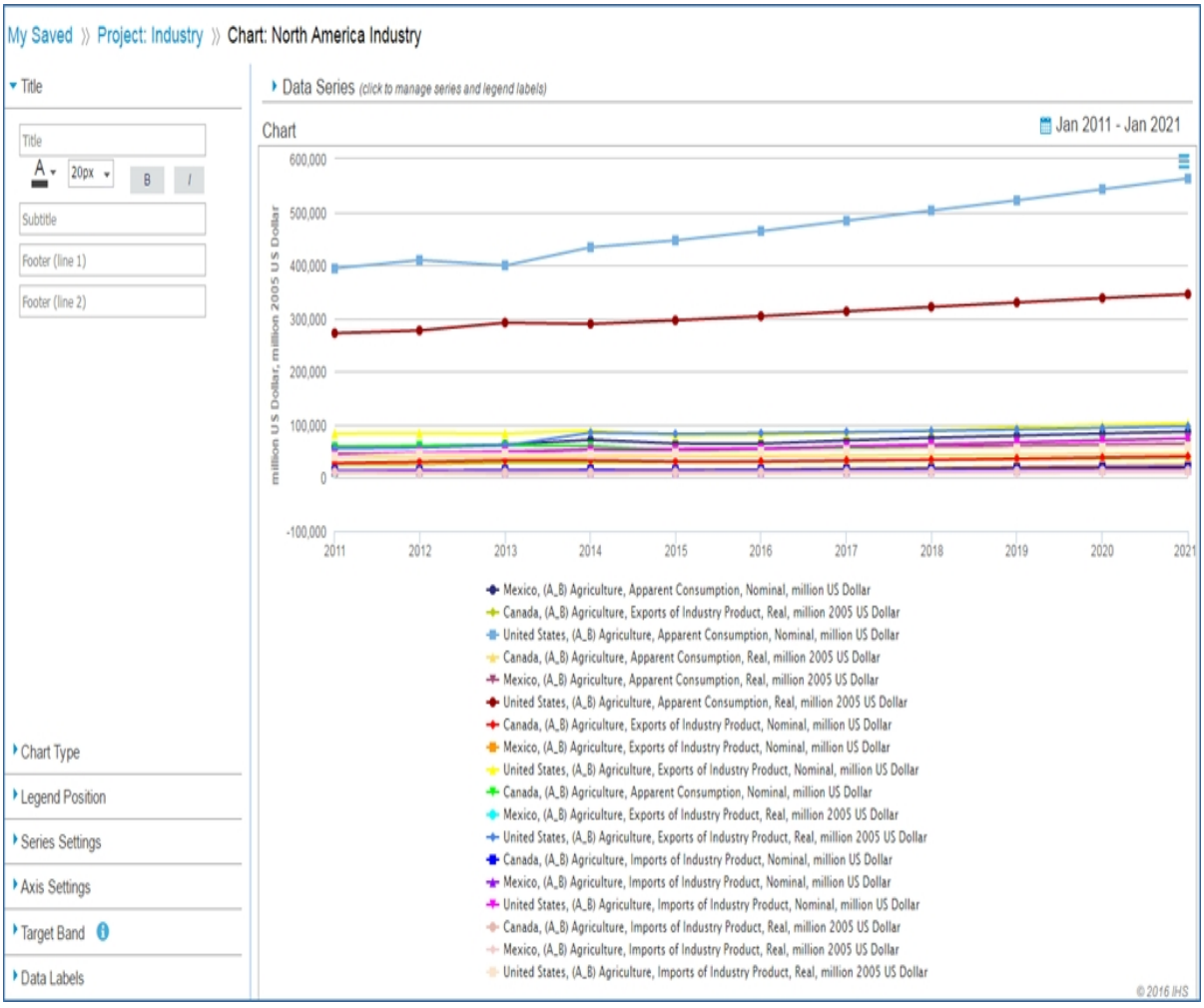
The ***Add to My Connect*** dialog persists. You can then select **Chart** for saving on My Connect. The following shows the chart saved in the Industry folder. Click **Apply**, and the Chart is saved to My Connect.



Now when we view the new Industry folder on My Connect, we see the North American Industry Series and Chart.



Click the chart to open it in the Chart Editor.



See How to use the Chart Editor.

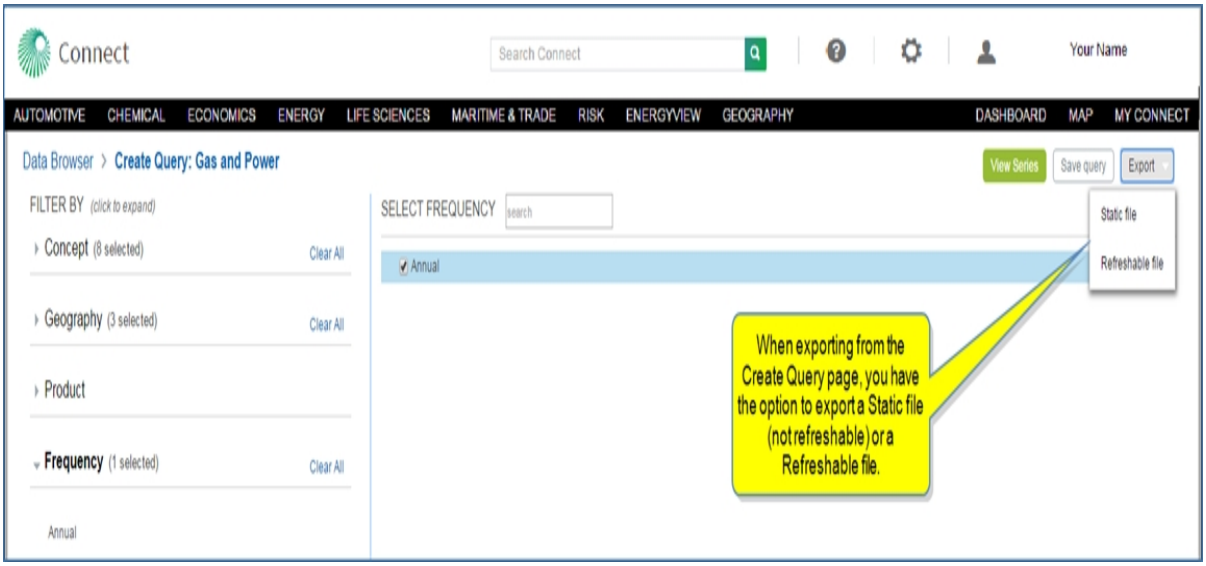
Exporting a Static file or Refreshable file

You can export data series from the Create Query page in Data Browser, either as a **Static file** or a **Refreshable file**. You can also export series to refreshable Excel spreadsheets from saved workbooks in My Connect.

- Exporting series as a Static file or a Refreshable file from the Create Query page in Data Browser
- Exporting series to refreshable Excel spreadsheets from saved workbooks in My Connect

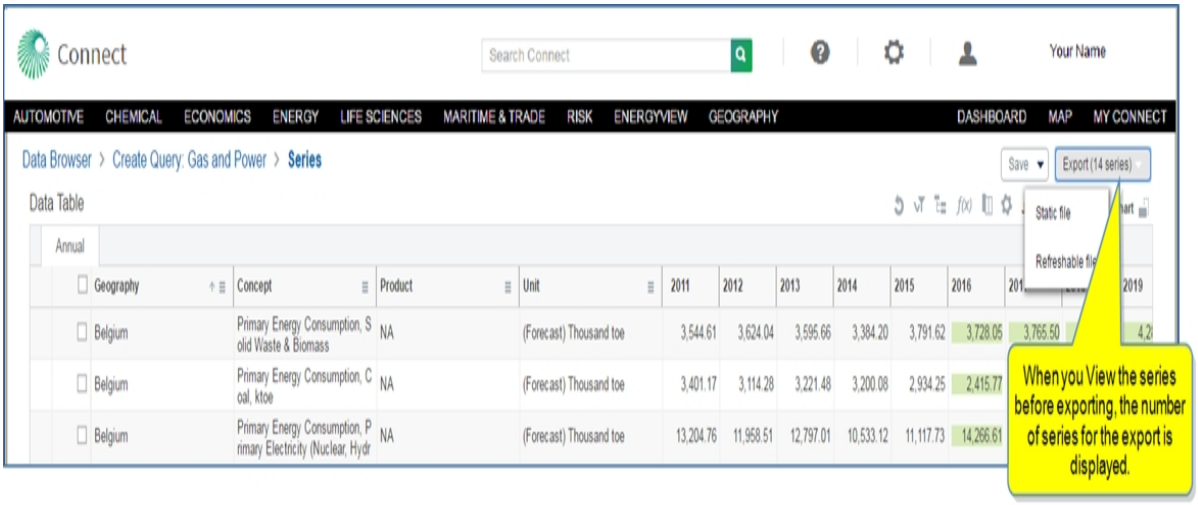
Exporting series as a Static file or a Refreshable file from the Create Query page in Data Browser

Select the down arrow next to **Export** on the Create Query page of a dataset and series criteria you have created. The options to export a **Static file** or a **Refreshable file** are displayed.

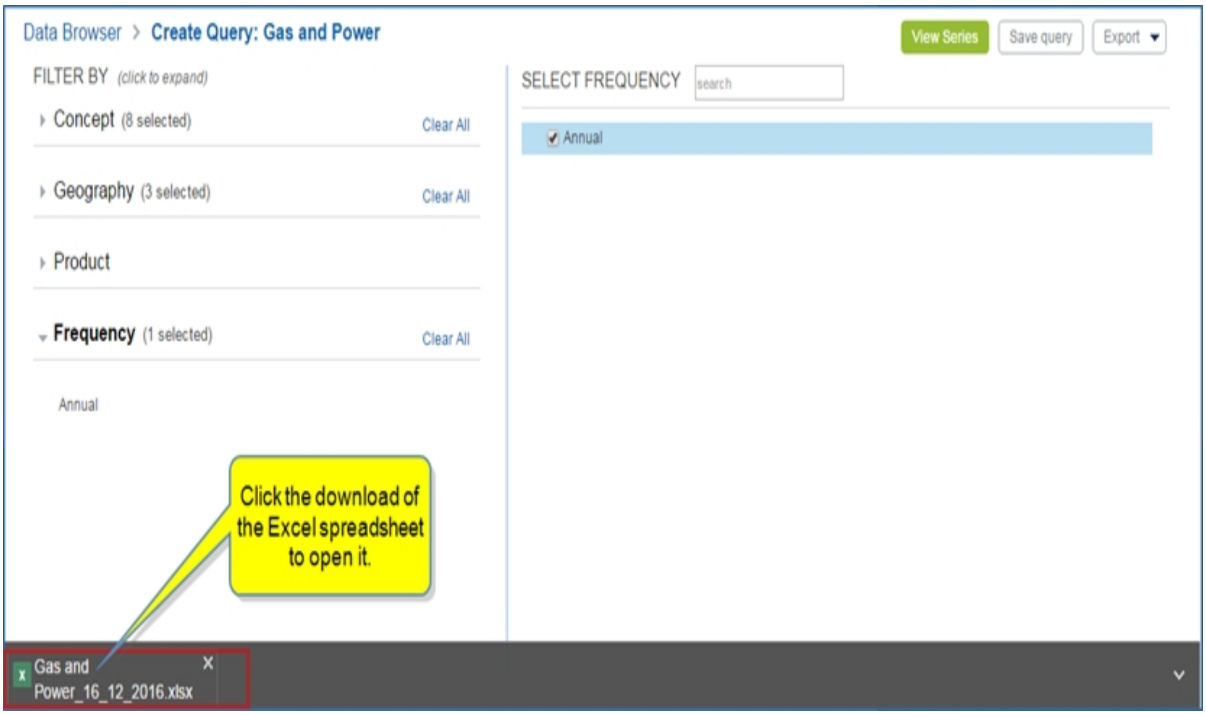


If you **View** the series before you export, the **Export** button includes the number of series you can export.

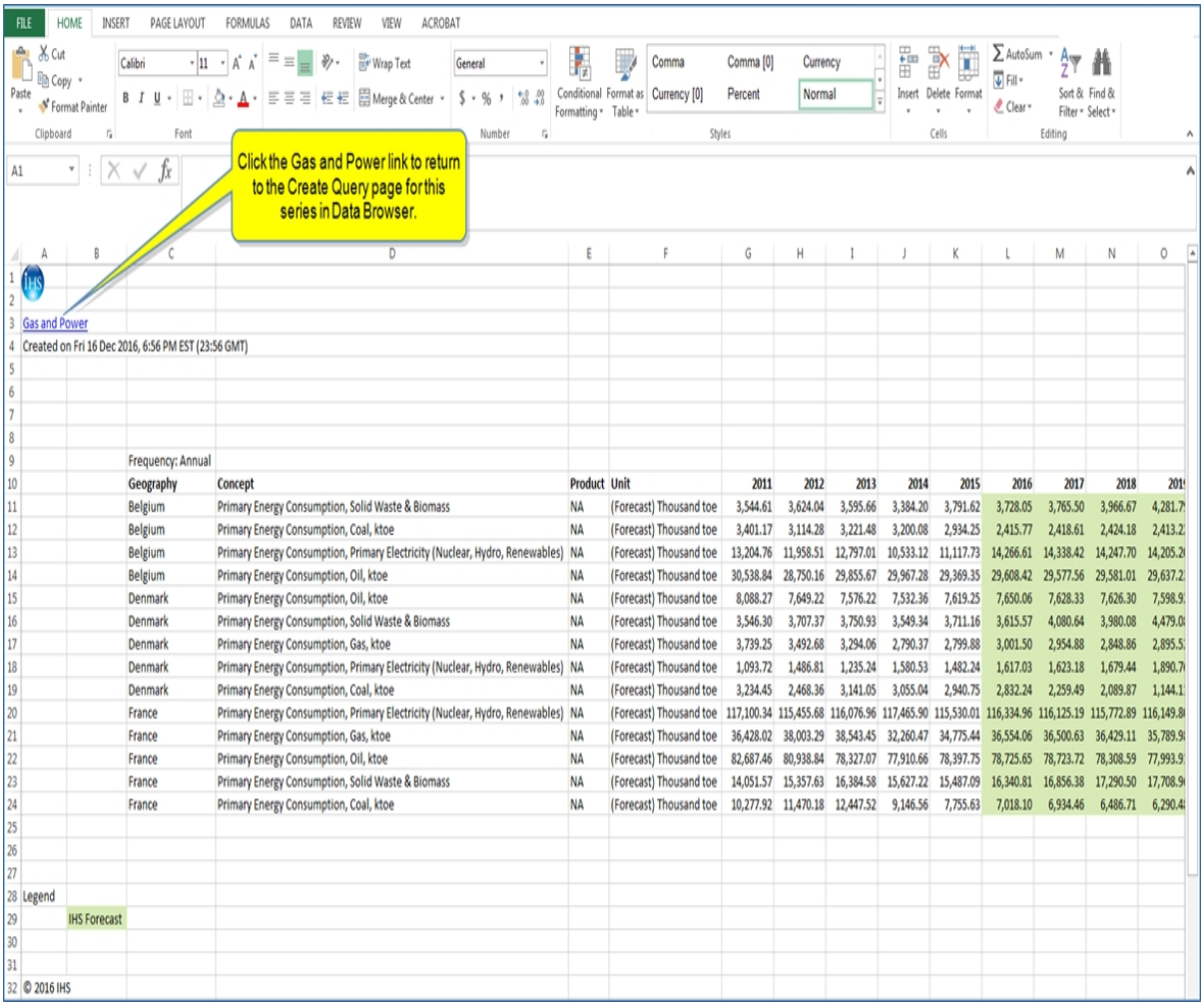
(This number changes when you select specific series.) You can select and deselect series by checking the boxes in the left column.



When you select **Static file**, the Excel spreadsheet becomes available in the lower, left corner of the page.



Double click it to open the spreadsheet. Note that there is no instruction about refreshing. The **Gas and Power** link, however, returns you to the Create Query page in Data Browser on Connect where you can make modifications and choose to export a Static file or a Refreshable file, again.



Gas and Power
Created on Fri 16 Dec 2016, 6:56 PM EST (23:56 GMT)

Frequency: Annual

Geography	Concept	Product	Unit	2011	2012	2013	2014	2015	2016	2017	2018	201
Belgium	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	3,544.61	3,624.04	3,595.66	3,384.20	3,791.62	3,728.05	3,765.50	3,966.67	4,281.7
Belgium	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	3,401.17	3,114.28	3,221.48	3,200.08	2,934.25	2,415.77	2,418.61	2,424.18	2,413.2
Belgium	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	13,204.76	11,958.51	12,797.01	10,533.12	11,117.73	14,266.61	14,338.42	14,247.70	14,205.2
Belgium	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	30,538.84	28,750.16	29,855.67	29,967.28	29,369.35	29,608.42	29,577.56	29,581.01	29,637.2
Denmark	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	8,088.27	7,649.22	7,576.22	7,532.36	7,619.25	7,650.06	7,628.33	7,626.30	7,598.9
Denmark	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	3,546.30	3,707.37	3,750.93	3,549.34	3,711.16	3,615.57	4,080.64	3,980.08	4,479.0
Denmark	Primary Energy Consumption, Gas, ktoe	NA	(Forecast) Thousand toe	3,739.25	3,492.68	3,294.06	2,790.37	2,799.88	3,001.50	2,954.88	2,848.86	2,895.5
Denmark	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	1,093.72	1,486.81	1,235.24	1,580.53	1,482.24	1,617.03	1,623.18	1,679.44	1,890.7
Denmark	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	3,234.45	2,468.36	3,141.05	3,055.04	2,940.75	2,832.24	2,259.49	2,089.87	1,144.1
France	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	117,100.34	115,455.68	116,076.96	117,465.90	115,530.01	116,334.96	116,125.19	115,772.89	116,149.8
France	Primary Energy Consumption, Gas, ktoe	NA	(Forecast) Thousand toe	36,428.02	38,003.29	38,543.45	32,260.47	34,775.44	36,554.06	36,500.63	36,429.11	35,789.9
France	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	82,687.46	80,938.84	78,327.07	77,910.66	78,397.75	78,725.65	78,723.72	78,308.59	77,993.9
France	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	14,051.57	15,357.63	16,384.58	15,627.22	15,487.09	16,340.81	16,856.38	17,290.50	17,708.9
France	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	10,277.92	11,470.18	12,447.52	9,146.56	7,755.63	7,018.10	6,934.46	6,486.71	6,290.4

Legend
IHS Forecast

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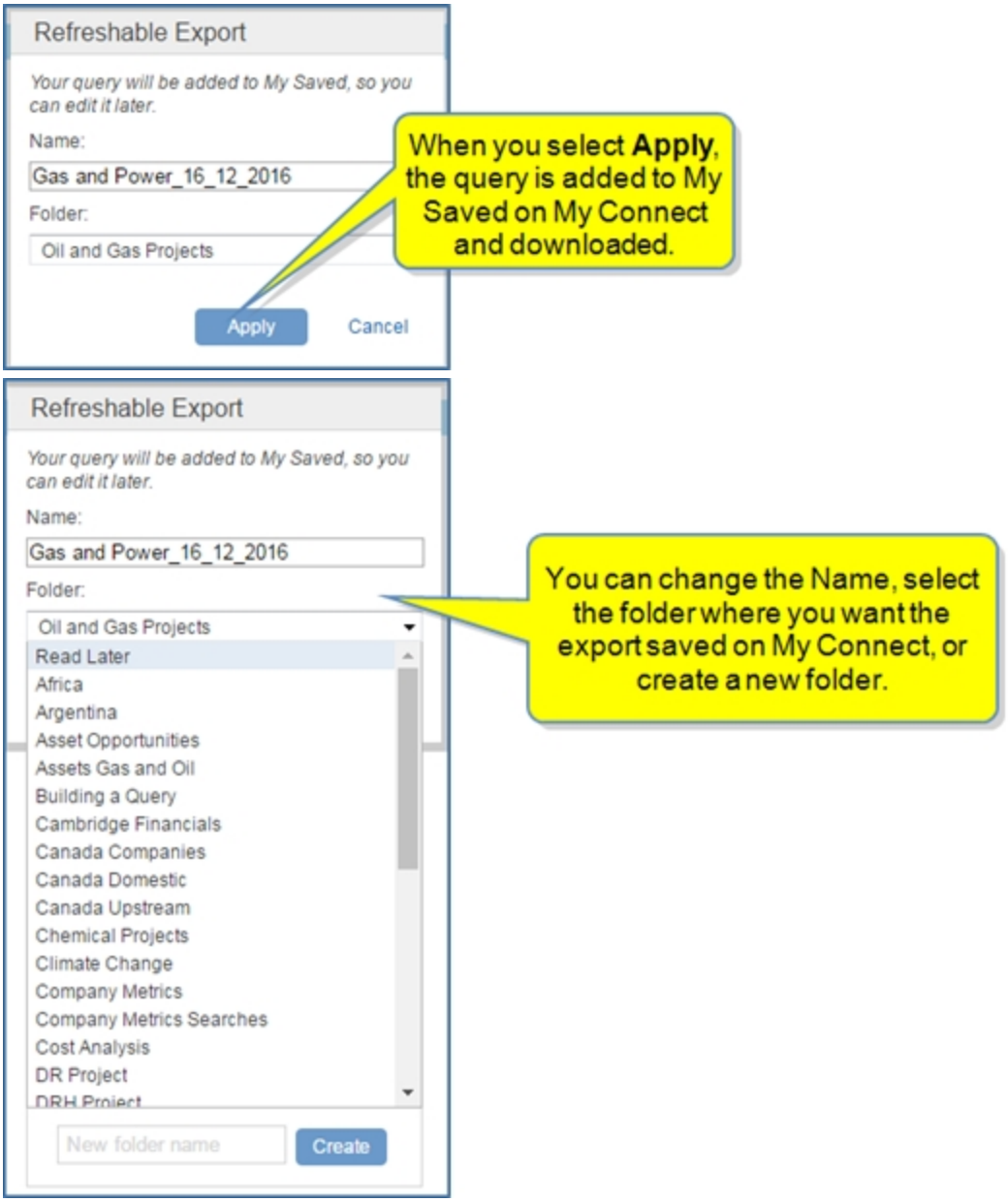
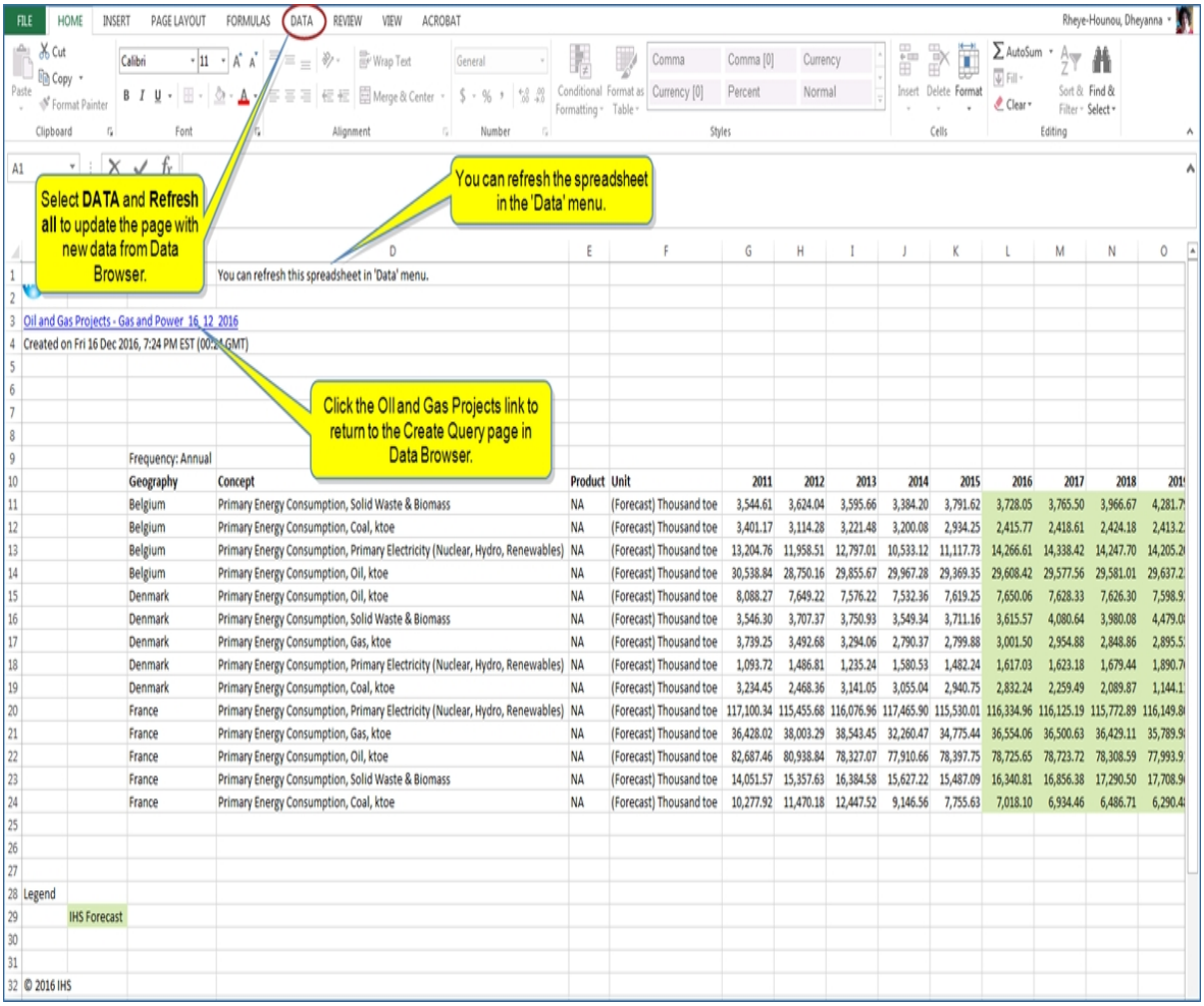
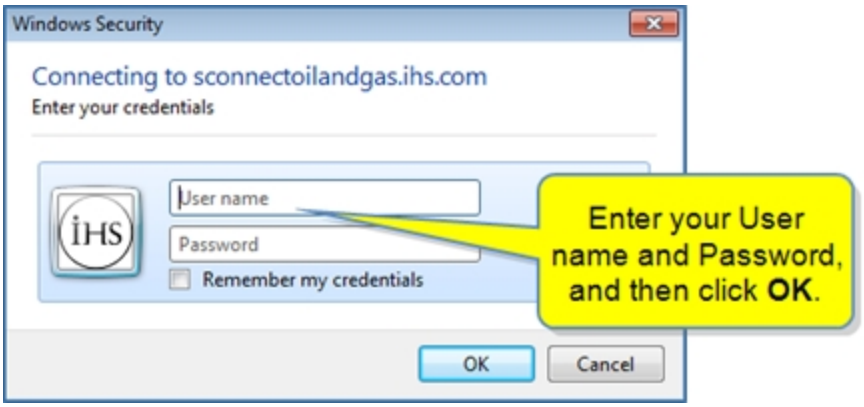
When you select **Refreshable file**, Connect displays a ***Refreshable Export*** dialog box. Click **Apply** or **Create**, and the series is saved in an Excel spreadsheet on My Connect and downloaded.



Click the downloaded spreadsheet in the lower, left corner to open the spreadsheet. The message, "You can refresh this spreadsheet in 'Data' menu," is displayed. In addition, the link to navigate to the Create Query page in Data Browser is displayed.

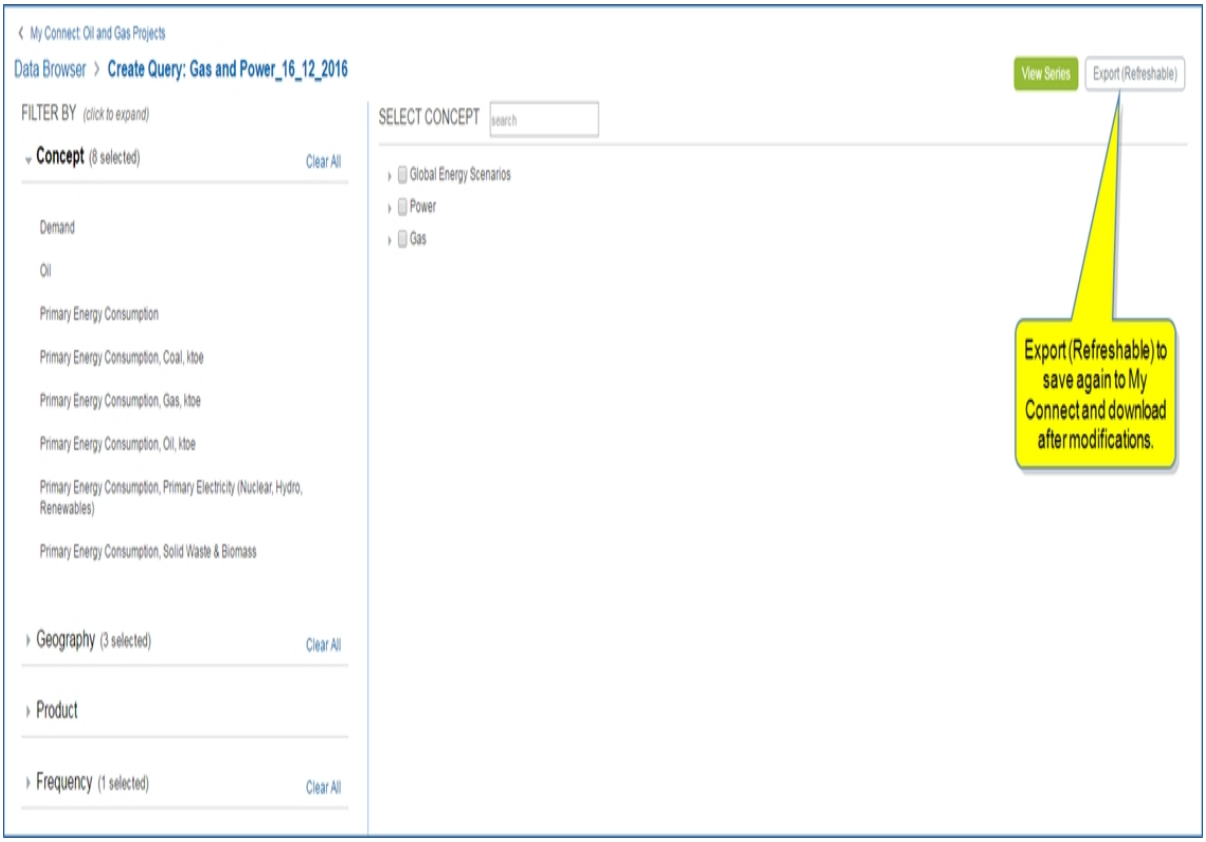


Note: You may see a Windows Security dialog box after clicking the **Refresh** button in the Data menu of the exported spreadsheet asking you to enter your credentials. Once you enter your Connect User name and Password and click **OK**, the spreadsheet refreshes.

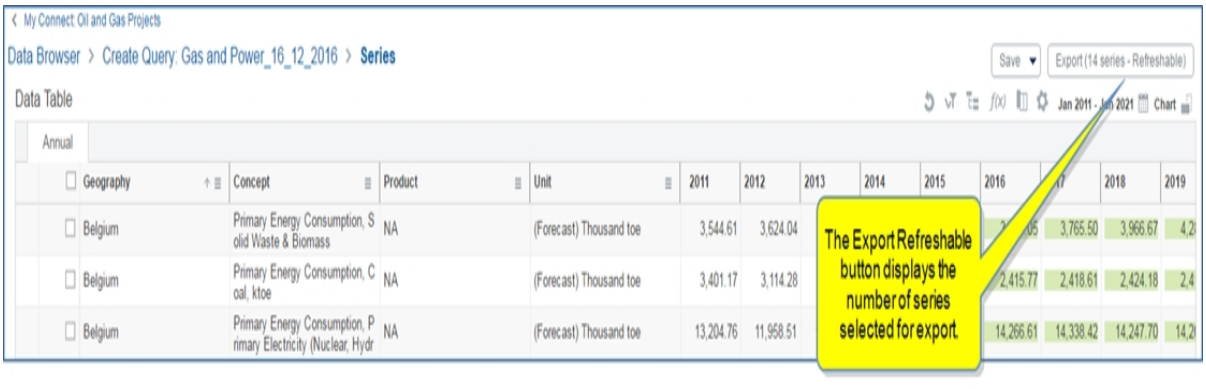


Exporting series to refreshable Excel spreadsheets from saved workbooks in My Connect

When you open a refreshable series saved on My Connect, the series is displayed on the Create Query page. You can **View Series** or select the **Export (Refreshable)** button after making modifications.

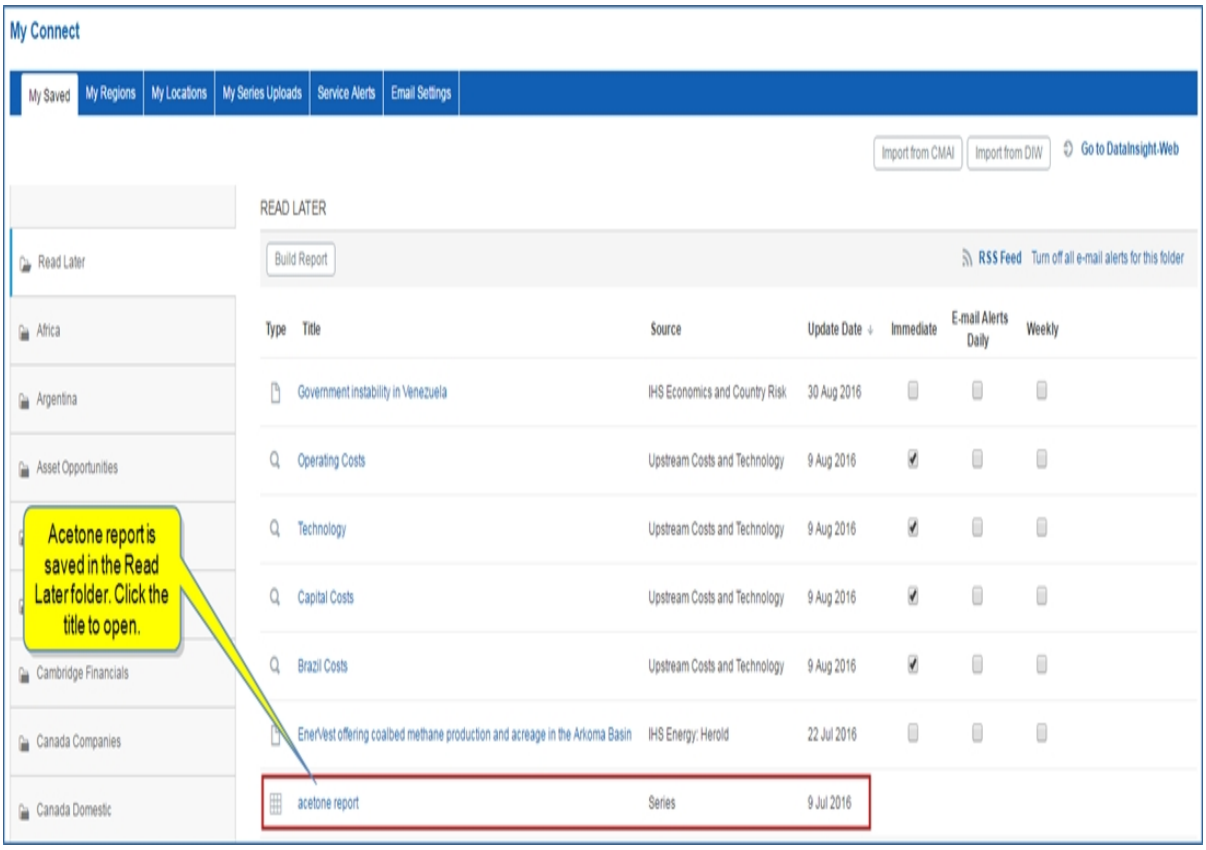


If you **View** the series before savings or exporting, the number of series included in the selection is displayed on the **Export Refreshable** button. You can select and deselect series by checking the boxes in the left column.

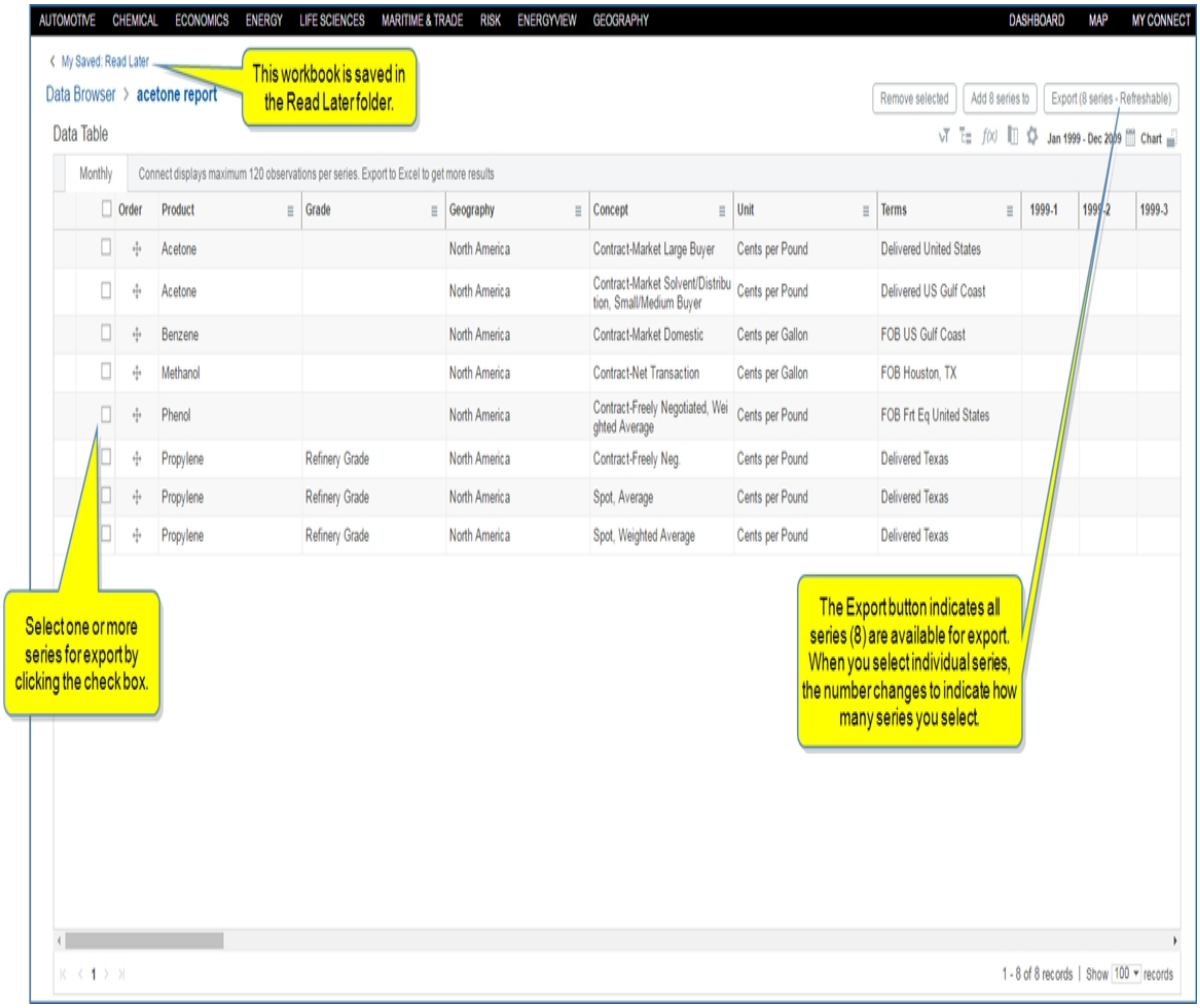


To use the refreshable feature successfully, you must retain the saved series workbook in My Connect. If you delete the saved workbook, the exported spreadsheet cannot refresh. A workbook may contain one or more

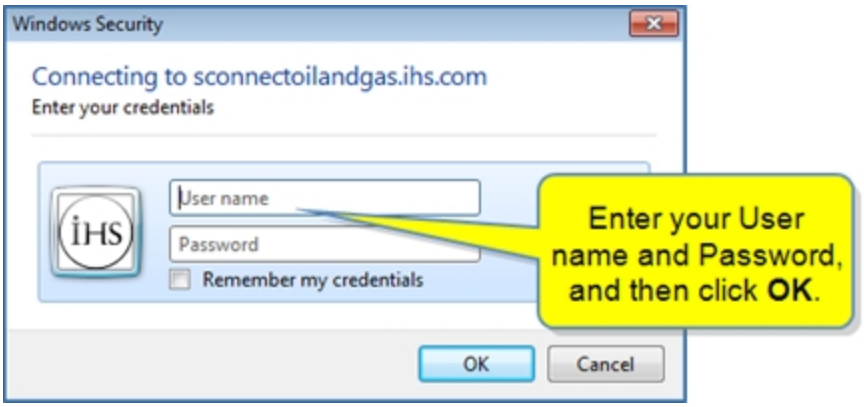
series. For example, in the following example, acetone report is saved in the Read Later folder on My Connect.



After clicking the title, the workbook opens to show the following Data Browser > acetone report workbook, which contains 8 series. You can select one or more series from this workbook to Export to a refreshable Excel spreadsheet.



Note: You may see a Windows Security dialog box after clicking the **Refresh** button in the Data menu of the exported spreadsheet asking you to enter your credentials. Once you enter your Connect User name and Password and click **OK**, the spreadsheet refreshes.



The limits for size in the export are described in the following table.

CONNECT LIMITS			
	Data Browser	Workbooks	Export
Magellan datasets	- Number of observations per series: 120(Chrome)/50 (IE,FF) - No limit to number of series per frequency.	- 1,000 series (across frequencies), and - 120(Chrome)/50 (IE,FF) observations per series.	- 3 million observations per frequency, and - 100,000 rows overall, and - Excel built-in limit to the number of columns.
Cubes	- 100,000 observations overall. - 120(Chrome)/50 (IE,FF) observations per series		
Locally-stored datasets	- Number of observations per series: 120(Chrome)/50 (IE,FF) - No limit to number of series per frequency.		

The datasets for Magellan, Cubes, and Locally-stored datasets are listed in the following table.

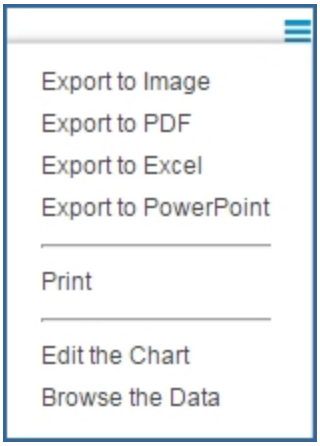
Dataset	Dataset type
Banking	Magellan
Canadian Economy	Magellan
Chemica Capacity by Company	Locally stored dataset
Chemical Capacity by Shareholder	Locally stored dataset
Chemical Capacity by Geography	Locally stored dataset
Chemical Capacity Formatted Tables	Locally stored dataset
Chemical Price & Economics	Locally stored dataset
Chemical Supply & Demand	Cube
China Regional	Magellan
China Regional - Historical	Magellan
CIS IO	Cube
CIS IO Rev 4	Cube
CISQ Industry Output Rev 3	Cube
CISQ Industry Output Rev 4	Cube
Climage and Carbon	Magellan
Coal Historical - Prices & Stats	Magellan
Coal Historical - Trade	Magellan
Compar. Indus. Industrial Production Indices	Cube
Comparative Industry Rev 4	Cube
Construction - Canada	Magellan
Construction - Global	Cube
Construction - US	Cube
Construction - US Infrastructure	Cube
Construction - US State and Metro	Cube
Country Risk Ratings	Magellan
European Energy Scenarios	Magellan
Financial Markets - Historical	Magellan
Gas and Power	Magellan
Global Agriculture	Magellan
Global Consumer Markets - New	Magellan
Global Economy	Magellan
Global Economy - Historical	Magellan

Global Risk Service	Cube
Healthcare Forecast	Cube
IMF Forecast	Magellan
Industry - Historical	Magellan
OECD Forecast	Magellan
Oil Market & Downstream Services	Magellan
Pharmaceutical Pricing Indicators	Magellan
PMI by IHS Markit	Magellan
Pricing and Purchasing Forecast	Magellan
Pricing and Purchasing Historical Prices	Magellan
Pricing and Purchasing Power Planner	Magellan
Renewable Power	Magellan
US Agriculture	Magellan
US Consumer Markets	Magellan
US Detailed Consumer Spending	Cube
US Economy	Magellan
US Economy - Historical	Magellan
US Industry Service	Magellan
US Regional	Magellan
US Regional Housing	Magellan
US Regional - Historical	Magellan
Waterborne LPG Trade - Pivot	Cube
World Market Monitor	Magellan
World Trade Service	Cube
World Trade Service - Coastal Details	Cube
World Trade Service Monthly	Cube
WTS Containerized Trade Module	Cube
WTS Cube 1	Cube
WTS Cube 2	Cube
WTS Japanese Port Supplement	Cube
WTS Liquid Bulk Chemicals	Cube
WTS US Airports Supplement	Cube

For additional information about sharing series and workbooks on My Connect, see Exporting a Static file or Refreshable file.

The Chart Menu icon

The Chart Menu icon gives you export, print, and editing options for the chart. When you export a chart to Excel and PowerPoint, the chart becomes a native object that you can reformat in the Excel or PowerPoint application. To find out more about editing a chart, see How to use the Chart Editor.



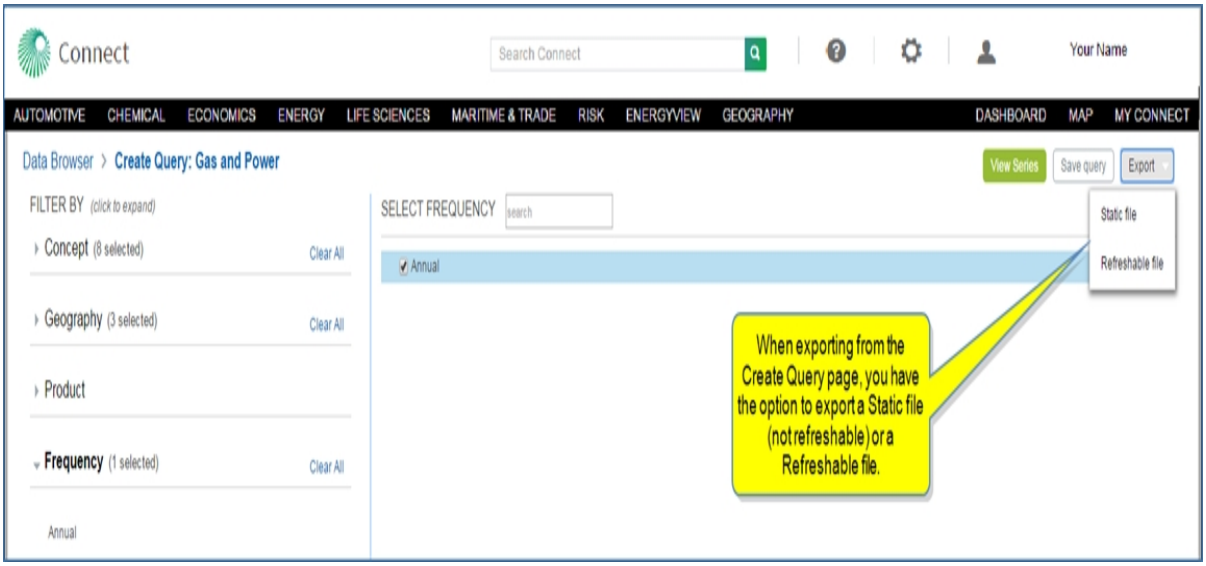
Exporting a Static file or Refreshable file

You can export data series from the Create Query page in Data Browser, either as a **Static file** or a **Refreshable file**. You can also export series to refreshable Excel spreadsheets from saved workbooks in My Connect.

- Exporting series as a Static file or a Refreshable file from the Create Query page in Data Browser
- Exporting series to refreshable Excel spreadsheets from saved workbooks in My Connect

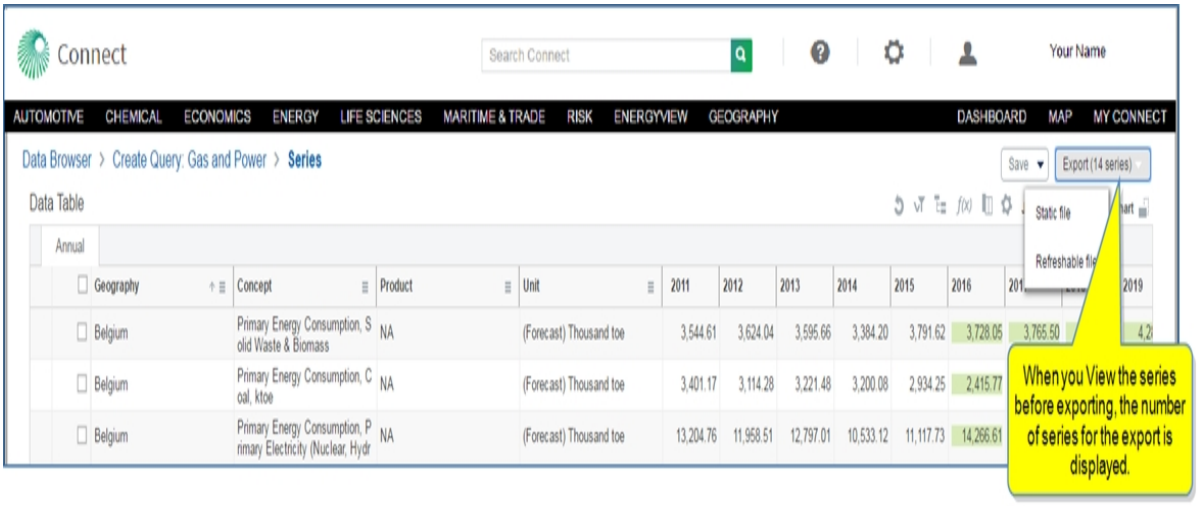
Exporting series as a Static file or a Refreshable file from the Create Query page in Data Browser

Select the down arrow next to **Export** on the Create Query page of a dataset and series criteria you have created. The options to export a **Static file** or a **Refreshable file** are displayed.

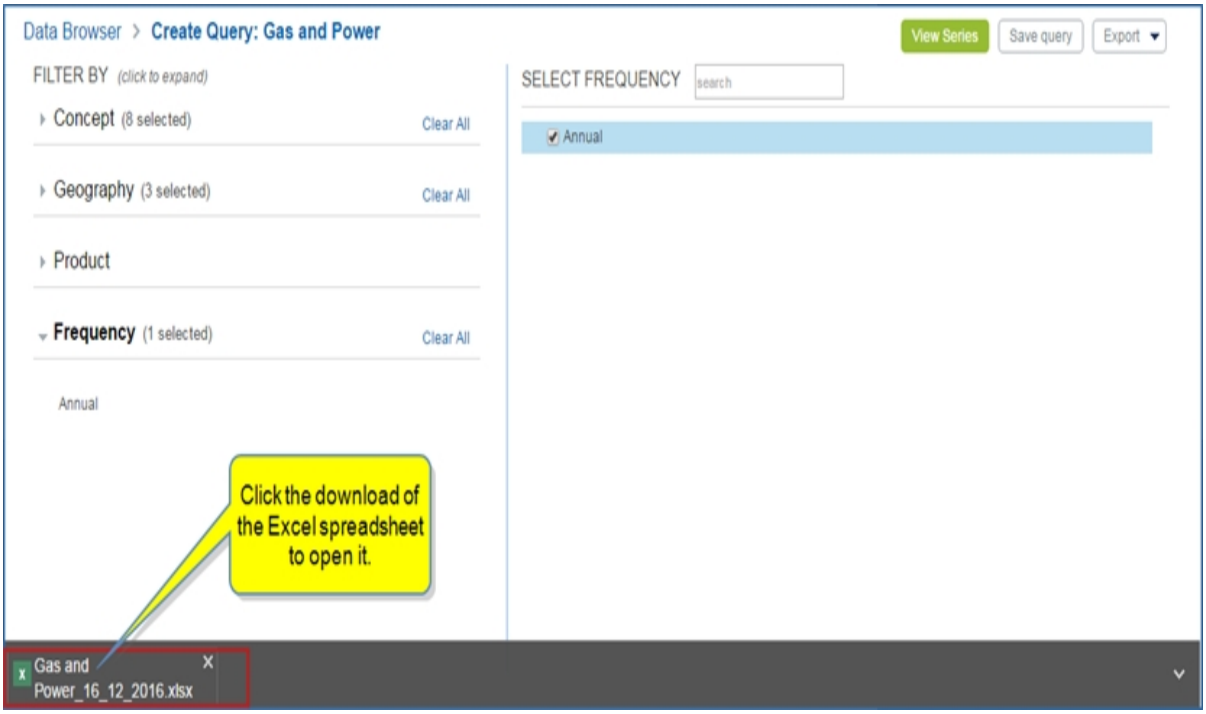


If you **View** the series before you export, the **Export** button includes the number of series you can export.

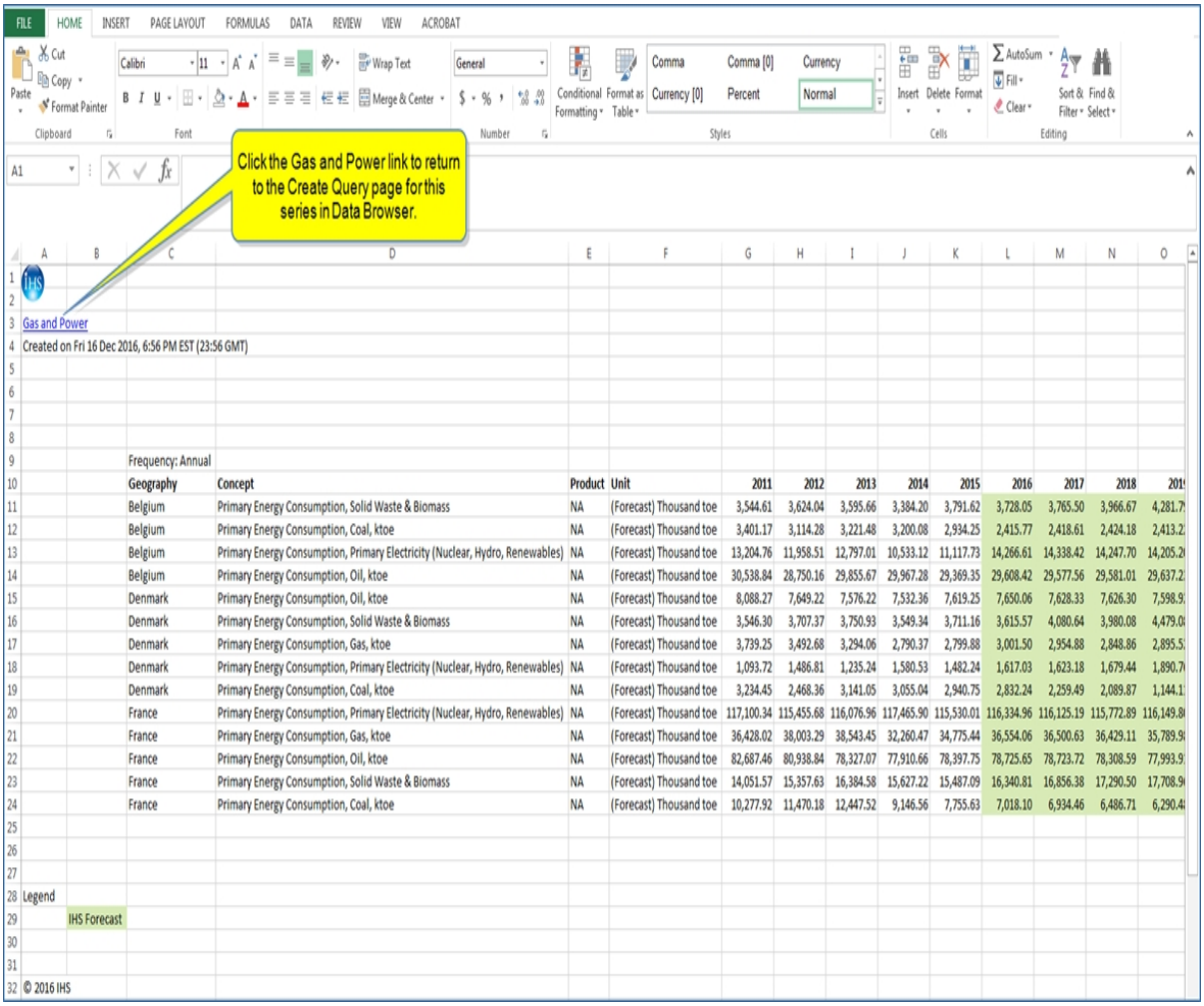
(This number changes when you select specific series.) You can select and deselect series by checking the boxes in the left column.



When you select **Static file**, the Excel spreadsheet becomes available in the lower, left corner of the page.



Double click it to open the spreadsheet. Note that there is no instruction about refreshing. The **Gas and Power** link, however, returns you to the Create Query page in Data Browser on Connect where you can make modifications and choose to export a Static file or a Refreshable file, again.



Gas and Power
Created on Fri 16 Dec 2016, 6:56 PM EST (23:56 GMT)

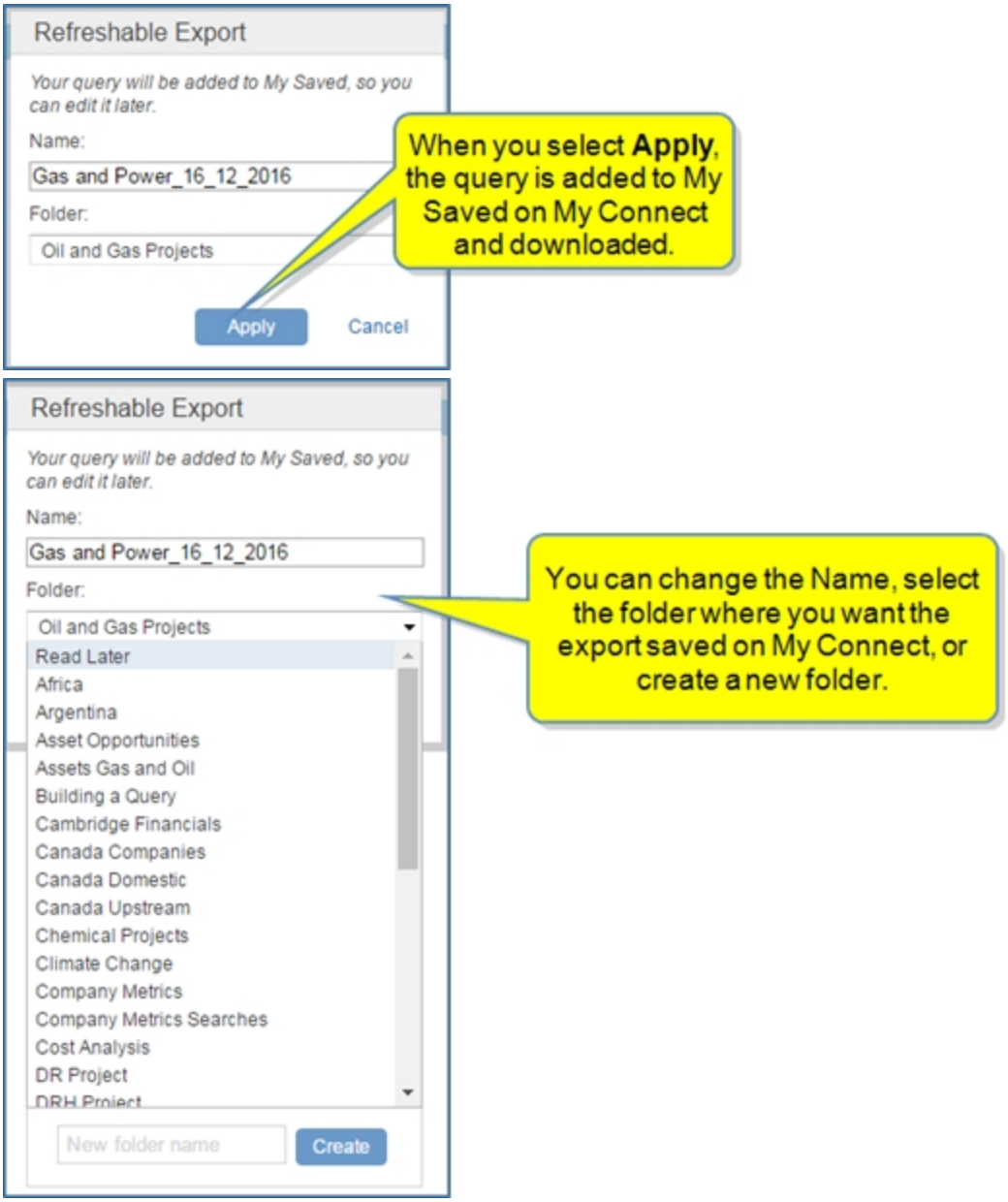
Frequency: Annual

Geography	Concept	Product	Unit	2011	2012	2013	2014	2015	2016	2017	2018	201
Belgium	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	3,544.61	3,624.04	3,595.66	3,384.20	3,791.62	3,728.05	3,765.50	3,966.67	4,281.7
Belgium	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	3,401.17	3,114.28	3,221.48	3,200.08	2,934.25	2,415.77	2,418.61	2,424.18	2,413.2
Belgium	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	13,204.76	11,958.51	12,797.01	10,533.12	11,117.73	14,266.61	14,338.42	14,247.70	14,205.2
Belgium	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	30,538.84	28,750.16	29,855.67	29,967.28	29,369.35	29,608.42	29,577.56	29,581.01	29,637.2
Denmark	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	8,088.27	7,649.22	7,576.22	7,532.36	7,619.25	7,650.06	7,628.33	7,626.30	7,598.9
Denmark	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	3,546.30	3,707.37	3,750.93	3,549.34	3,711.16	3,615.57	4,080.64	3,980.08	4,479.0
Denmark	Primary Energy Consumption, Gas, ktoe	NA	(Forecast) Thousand toe	3,739.25	3,492.68	3,294.06	2,790.37	2,799.88	3,001.50	2,954.88	2,848.86	2,895.5
Denmark	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	1,093.72	1,486.81	1,235.24	1,580.53	1,482.24	1,617.03	1,623.18	1,679.44	1,890.7
Denmark	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	3,234.45	2,468.36	3,141.05	3,055.04	2,940.75	2,832.24	2,259.49	2,089.87	1,144.1
France	Primary Energy Consumption, Primary Electricity (Nuclear, Hydro, Renewables)	NA	(Forecast) Thousand toe	117,100.34	115,455.68	116,076.96	117,465.90	115,530.01	116,334.96	116,125.19	115,772.89	116,149.8
France	Primary Energy Consumption, Gas, ktoe	NA	(Forecast) Thousand toe	36,428.02	38,003.29	38,543.45	32,260.47	34,775.44	36,554.06	36,500.63	36,429.11	35,789.9
France	Primary Energy Consumption, Oil, ktoe	NA	(Forecast) Thousand toe	82,687.46	80,938.84	78,327.07	77,910.66	78,397.75	78,725.65	78,723.72	78,308.59	77,993.9
France	Primary Energy Consumption, Solid Waste & Biomass	NA	(Forecast) Thousand toe	14,051.57	15,357.63	16,384.58	15,627.22	15,487.09	16,340.81	16,856.38	17,290.50	17,708.9
France	Primary Energy Consumption, Coal, ktoe	NA	(Forecast) Thousand toe	10,277.92	11,470.18	12,447.52	9,146.56	7,755.63	7,018.10	6,934.46	6,486.71	6,290.4

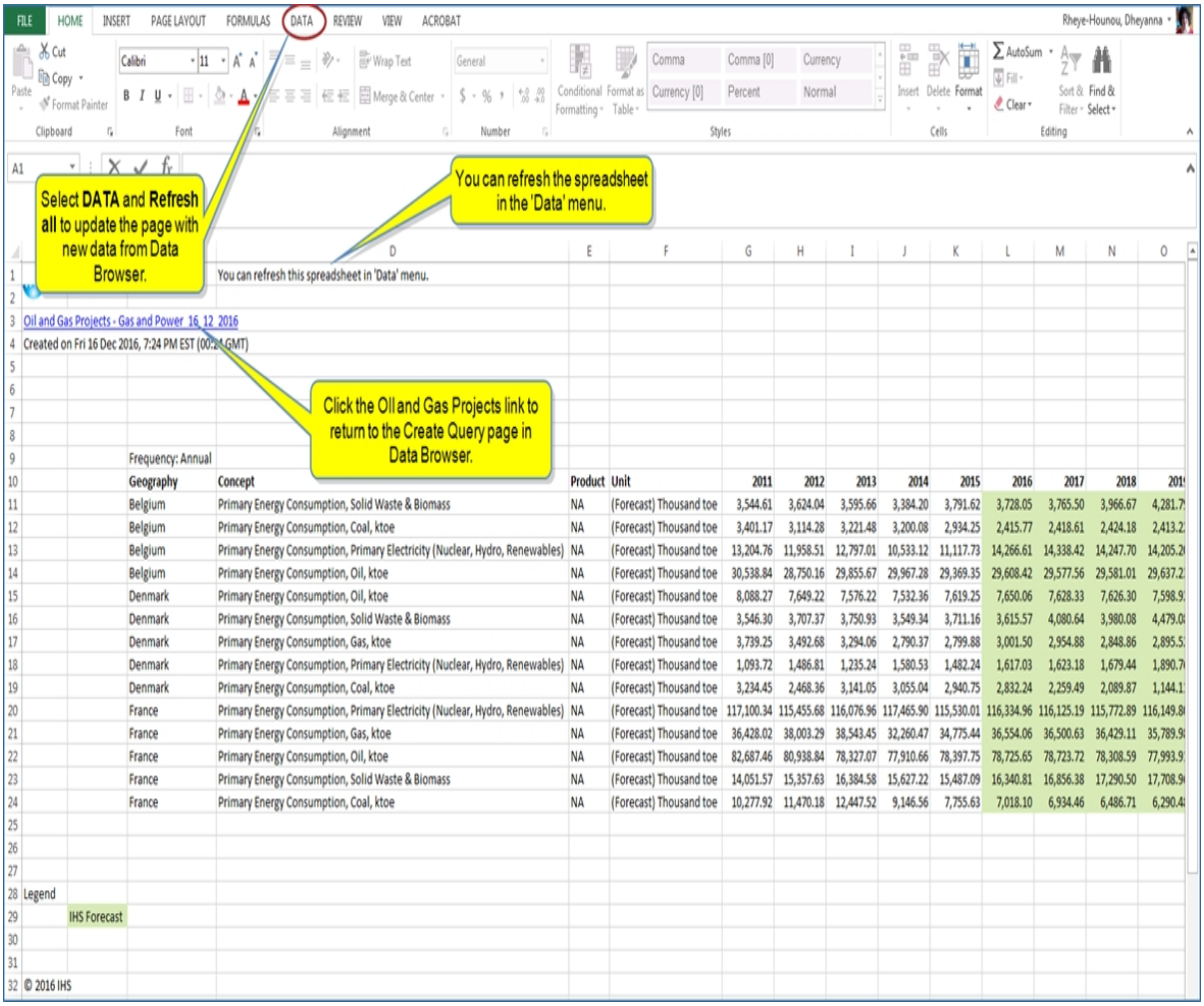
Legend
IHS Forecast

© 2016 IHS

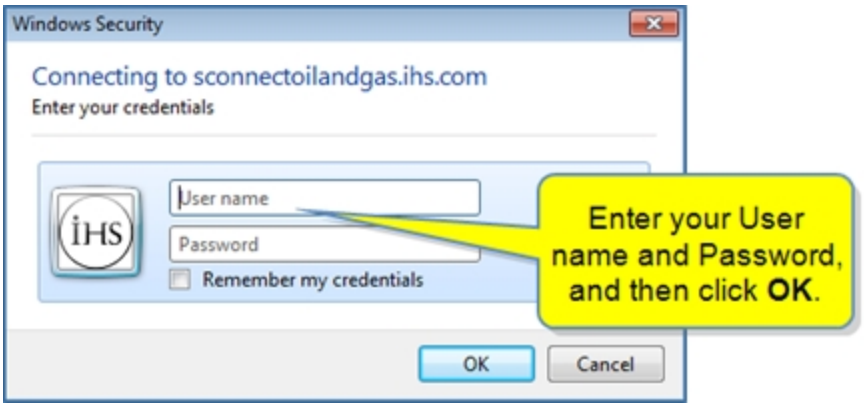
When you select **Refreshable file**, Connect displays a ***Refreshable Export*** dialog box. Click **Apply** or **Create**, and the series is saved in an Excel spreadsheet on My Connect and downloaded.



Click the downloaded spreadsheet in the lower, left corner to open the spreadsheet. The message, "You can refresh this spreadsheet in 'Data' menu," is displayed. In addition, the link to navigate to the Create Query page in Data Browser is displayed.

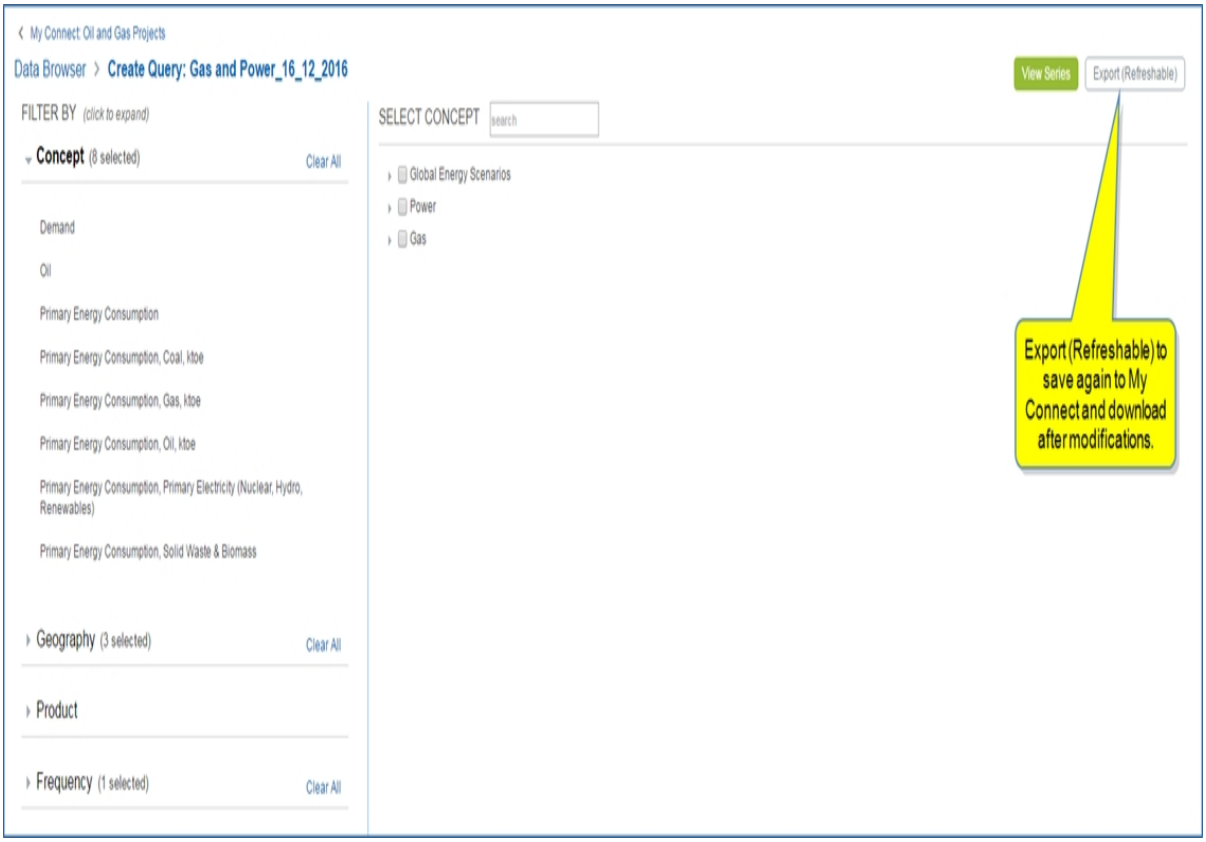


Note: You may see a Windows Security dialog box after clicking the **Refresh** button in the Data menu of the exported spreadsheet asking you to enter your credentials. Once you enter your Connect User name and Password and click **OK**, the spreadsheet refreshes.

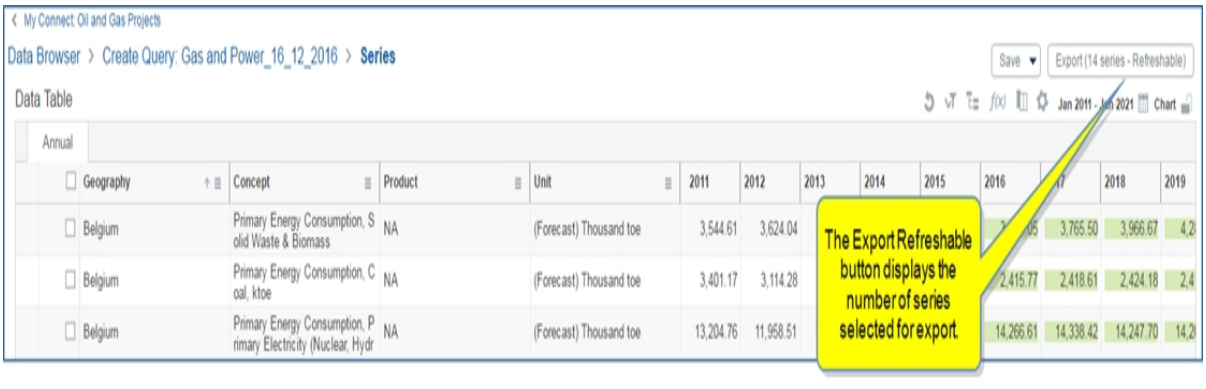


Exporting series to refreshable Excel spreadsheets from saved workbooks in My Connect

When you open a refreshable series saved on My Connect, the series is displayed on the Create Query page. You can **View Series** or select the **Export (Refreshable)** button after making modifications.

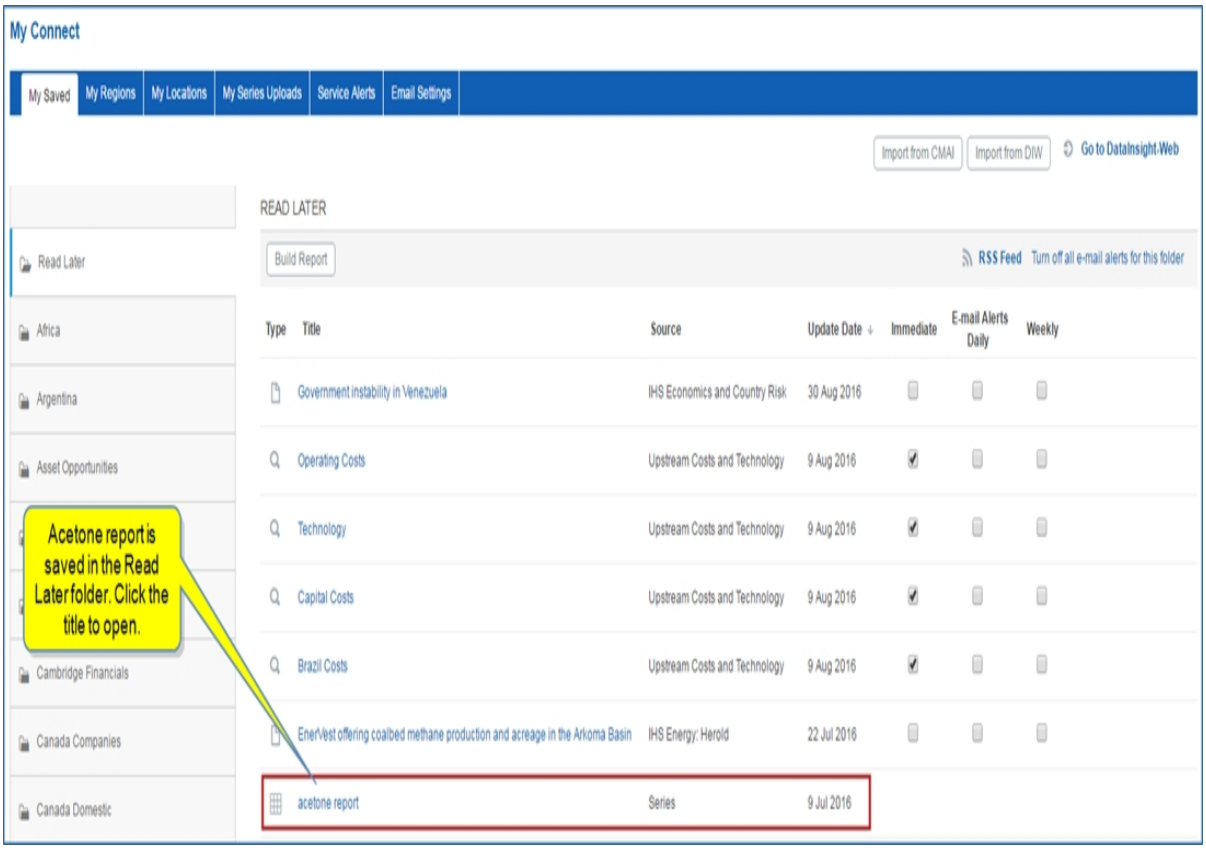


If you **View** the series before savings or exporting, the number of series included in the selection is displayed on the **Export Refreshable** button. You can select and deselect series by checking the boxes in the left column.

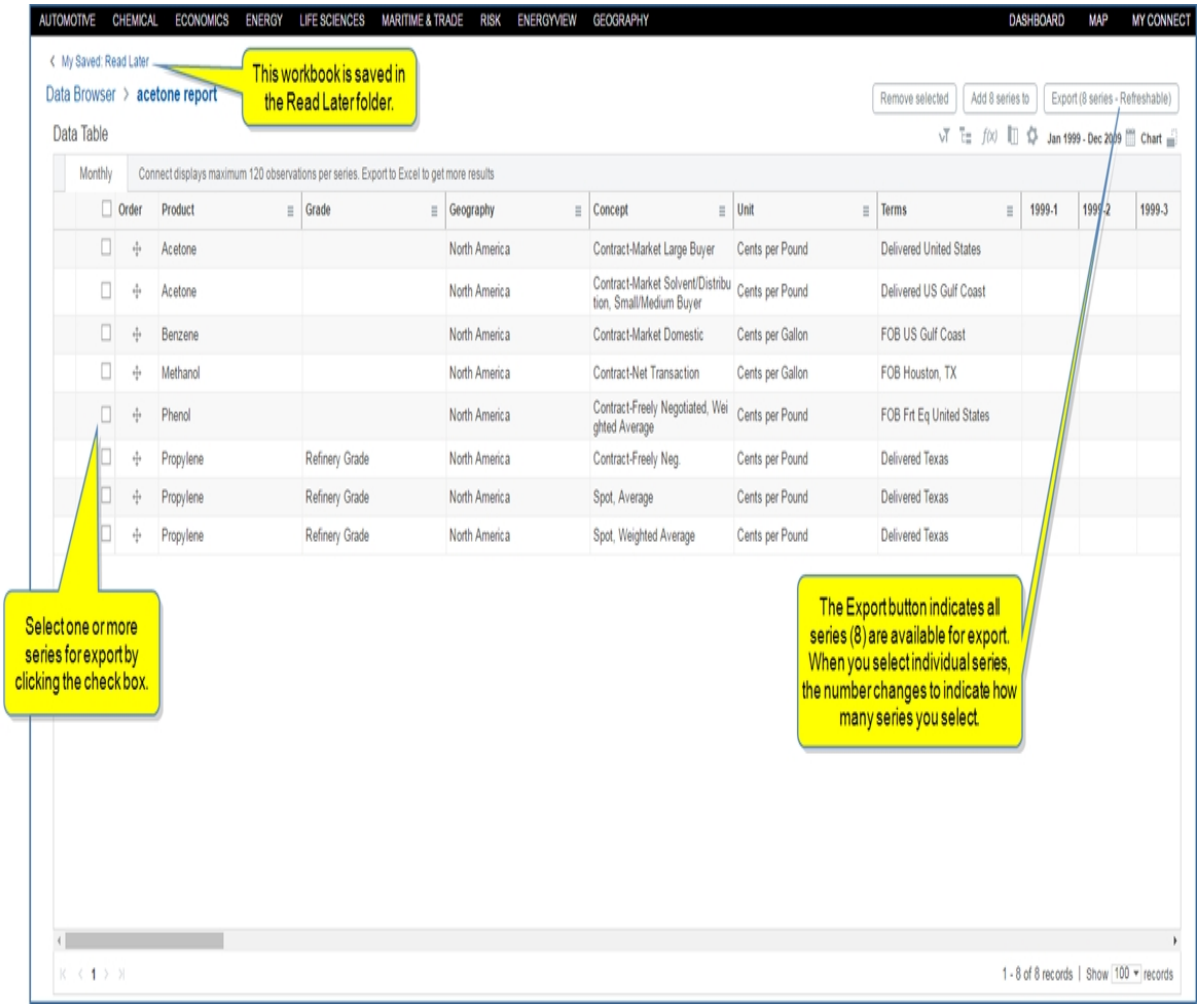


To use the refreshable feature successfully, you must retain the saved series workbook in My Connect. If you delete the saved workbook, the exported spreadsheet cannot refresh. A workbook may contain one or more

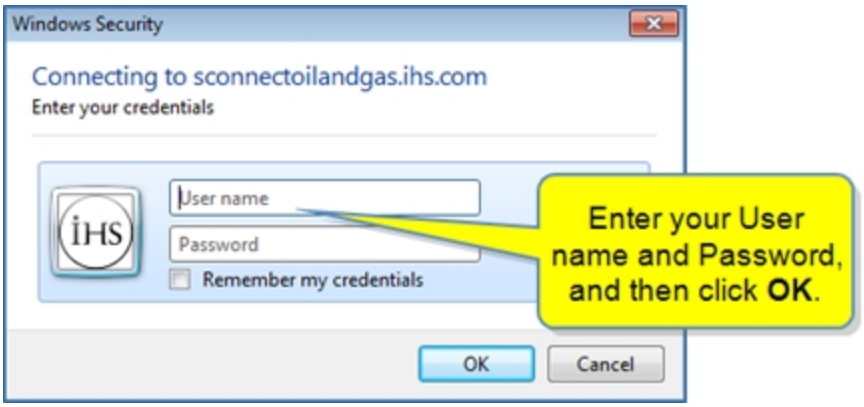
series. For example, in the following example, acetone report is saved in the Read Later folder on My Connect.



After clicking the title, the workbook opens to show the following Data Browser > acetone report workbook, which contains 8 series. You can select one or more series from this workbook to Export to a refreshable Excel spreadsheet.



Note: You may see a Windows Security dialog box after clicking the **Refresh** button in the Data menu of the exported spreadsheet asking you to enter your credentials. Once you enter your Connect User name and Password and click **OK**, the spreadsheet refreshes.



The limits for size in the export are described below:

CONNECT LIMITS			
	Data Browser	Workbooks	Export
Magellan datasets	- Number of observations per series: 120(Chrome)/50 (IE,FF) - No limit to number of series per frequency.	- 1,000 series (across frequencies), and - 120(Chrome)/50 (IE,FF) observations per series.	- 3 million observations per frequency, and - 100,000 rows overall, and - Excel built-in limit to the number of columns.
Cubes	- 100,000 observations overall. - 120(Chrome)/50 (IE,FF) observations per series		
Locally-stored datasets	- Number of observations per series: 120(Chrome)/50 (IE,FF) - No limit to number of series per frequency.		

The datasets for Magellan, Cubes, and Locally-stored datasets are listed in the following table.

Dataset	Dataset type
Banking	Magellan
Canadian Economy	Magellan
Chemica Capacity by Company	Locally stored dataset
Chemical Capacity by Shareholder	Locally stored dataset
Chemical Capacity by Geography	Locally stored dataset
Chemical Capacity Formatted Tables	Locally stored dataset
Chemical Price & Economics	Locally stored dataset
Chemical Supply & Demand	Cube
China Regional	Magellan
China Regional - Historical	Magellan
CIS IO	Cube
CIS IO Rev 4	Cube
CISQ Industry Output Rev 3	Cube
CISQ Industry Output Rev 4	Cube
Climage and Carbon	Magellan
Coal Historical - Prices & Stats	Magellan
Coal Historical - Trade	Magellan
Compar. Indus. Industrial Production Indices	Cube
Comparative Industry Rev 4	Cube
Construction - Canada	Magellan
Construction - Global	Cube
Construction - US	Cube
Construction - US Infrastructure	Cube
Construction - US State and Metro	Cube
Country Risk Ratings	Magellan
European Energy Scenarios	Magellan
Financial Markets - Historical	Magellan
Gas and Power	Magellan
Global Agriculture	Magellan
Global Consumer Markets - New	Magellan
Global Economy	Magellan
Global Economy - Historical	Magellan

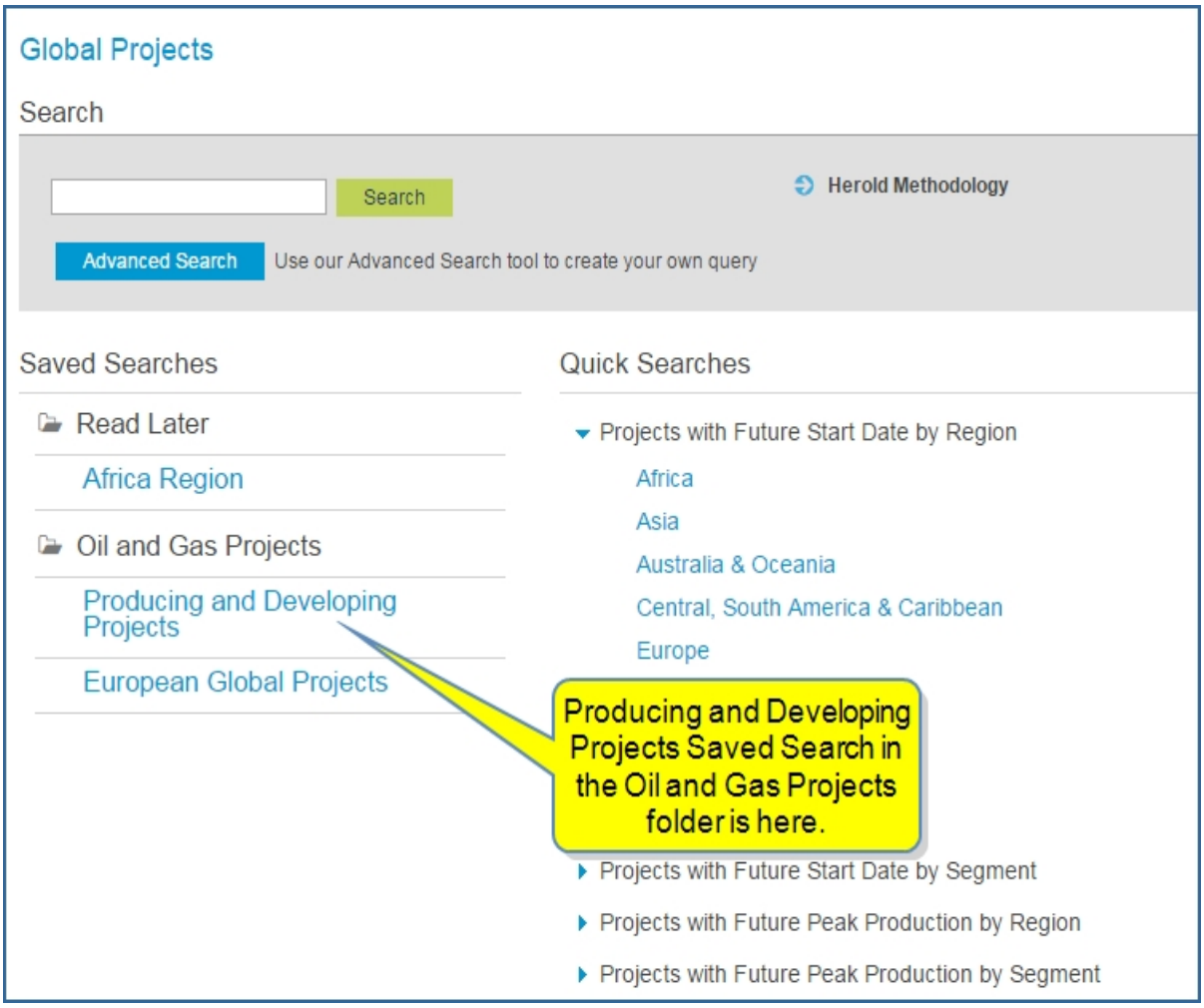
Global Risk Service	Cube
Healthcare Forecast	Cube
IMF Forecast	Magellan
Industry - Historical	Magellan
OECD Forecast	Magellan
Oil Market & Downstream Services	Magellan
Pharmaceutical Pricing Indicators	Magellan
PMI by IHS Markit	Magellan
Pricing and Purchasing Forecast	Magellan
Pricing and Purchasing Historical Prices	Magellan
Pricing and Purchasing Power Planner	Magellan
Renewable Power	Magellan
US Agriculture	Magellan
US Consumer Markets	Magellan
US Detailed Consumer Spending	Cube
US Economy	Magellan
US Economy - Historical	Magellan
US Industry Service	Magellan
US Regional	Magellan
US Regional Housing	Magellan
US Regional - Historical	Magellan
Waterborne LPG Trade - Pivot	Cube
World Market Monitor	Magellan
World Trade Service	Cube
World Trade Service - Coastal Details	Cube
World Trade Service Monthly	Cube
WTS Containerized Trade Module	Cube
WTS Cube 1	Cube
WTS Cube 2	Cube
WTS Japanese Port Supplement	Cube
WTS Liquid Bulk Chemicals	Cube
WTS US Airports Supplement	Cube

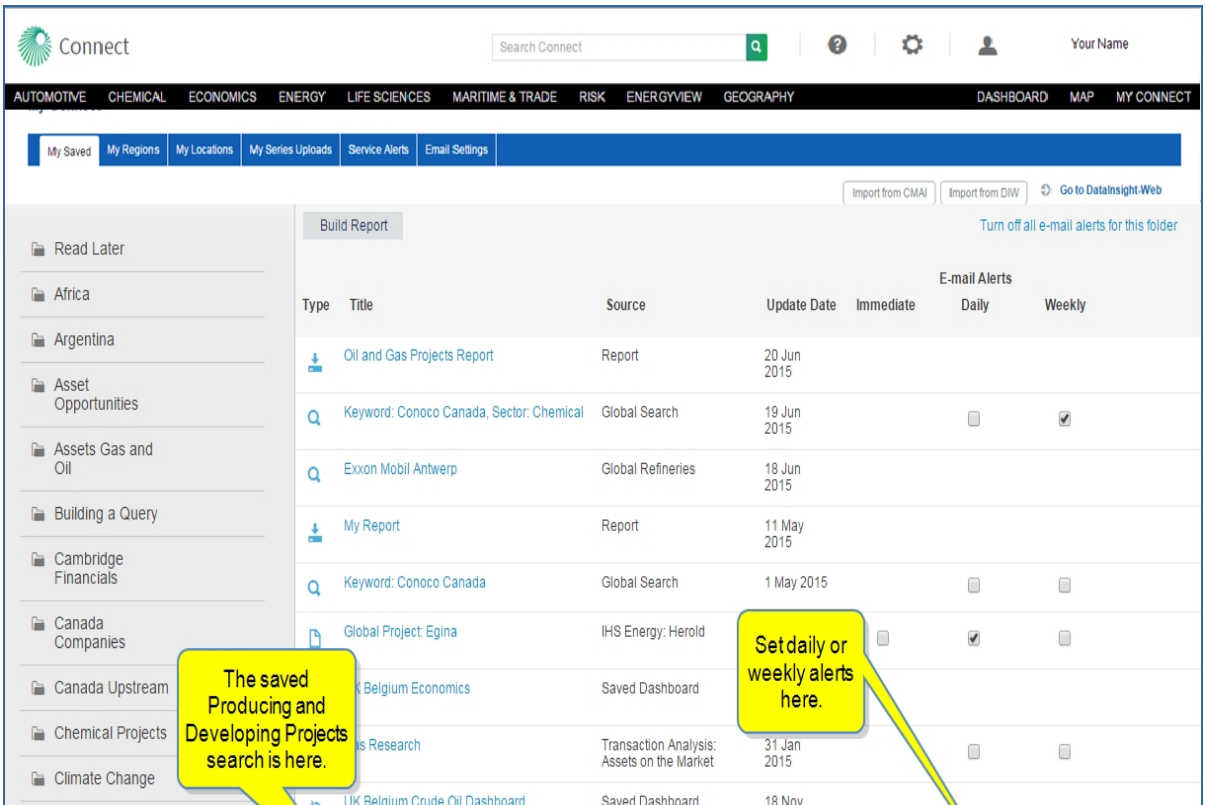
Global Projects

Global Projects

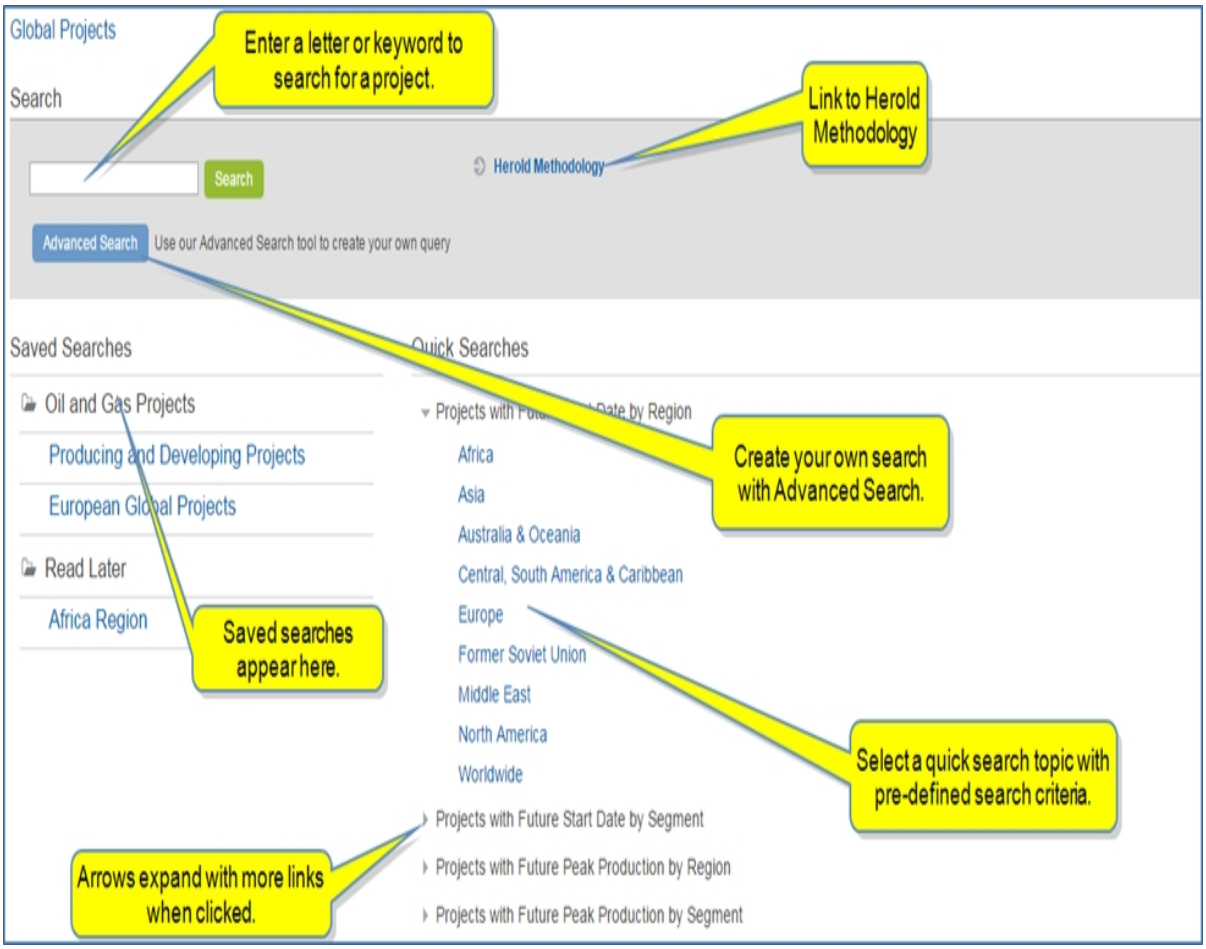
The Global Projects tool is a comprehensive resource for over 8,000 oil and gas projects in various stages of development and provides access to cost, reserve, and production data for worldwide fields with estimated recoverable reserves greater than 25 MMboe. The tool supports multiple workflows including screening, production analysis, competitor activity, planning, company analysis, and forecasting. Information and analysis is based on valid sources with reliance directly on company press releases (rather than general Associated Press information). You can open a pre-defined Quick Search provided by IHS Markit, do an advanced search, and save searches for future reference.

Note: When you save a search, it appears on the Global Projects page and in My Connect where you can set-up a daily or weekly alert regarding any activity on your search.





When you click **Global Projects**, the page opens with a search field where you can enter a letter or a keyword to find a project, an Advanced Search tool to create your own query, Saved Searches, and Quick Searches.



The following sections describe the features in Global Projects:

- Viewing a Quick Search
- Using Search
- Creating an Advanced Search
- Exporting results
- Saving search results
- Saving search criteria
- Deleting searches

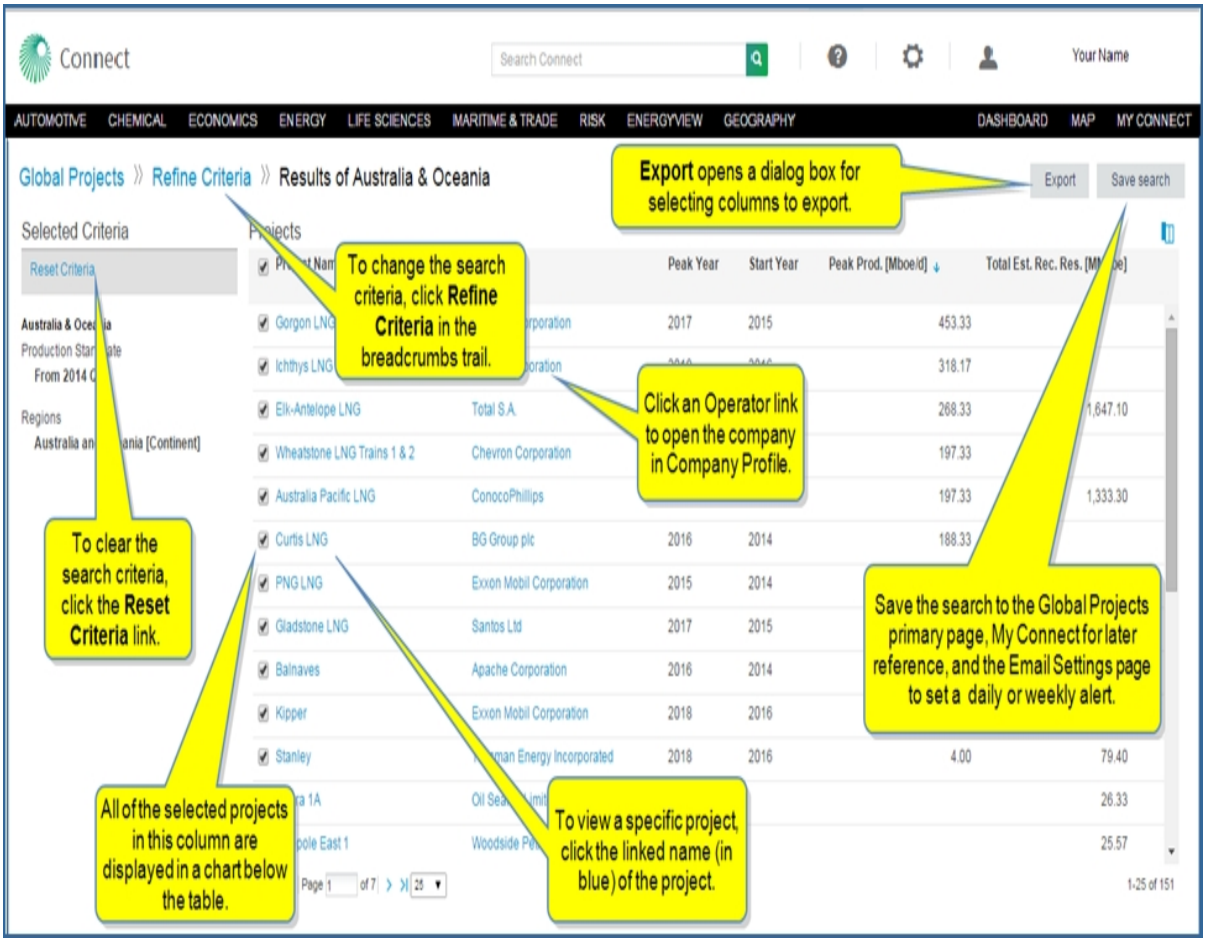
Viewing a Quick Search

Quick Search links display details of projects related to the title of the search. The titles of the searches are organized into categories—for example,

- Projects with Future Start Date by Region
- Projects with Future Start Date by Segment

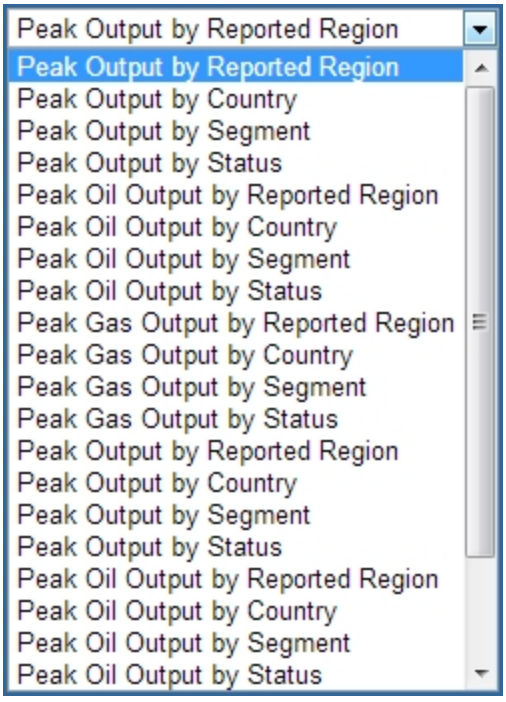
- Projects with Future Peak Production by Region
- Projects with Future Peak Production by Segment

IHS Markit Energy analysts have chosen the search criteria, and results are organized in columns for easy viewing and access. The overview lists the announced transactions in descending chronological order with some detail about the operator, peak year, start year, peak Prod. [Mboe/d], and Total Est. Rec., Res. [Mboe/d]. When you view search results, you can change the search criteria by clicking **Refine Criteria** in the breadcrumb trail.



Below the table on the results page, a chart is displayed that includes the selected (check marked) projects.

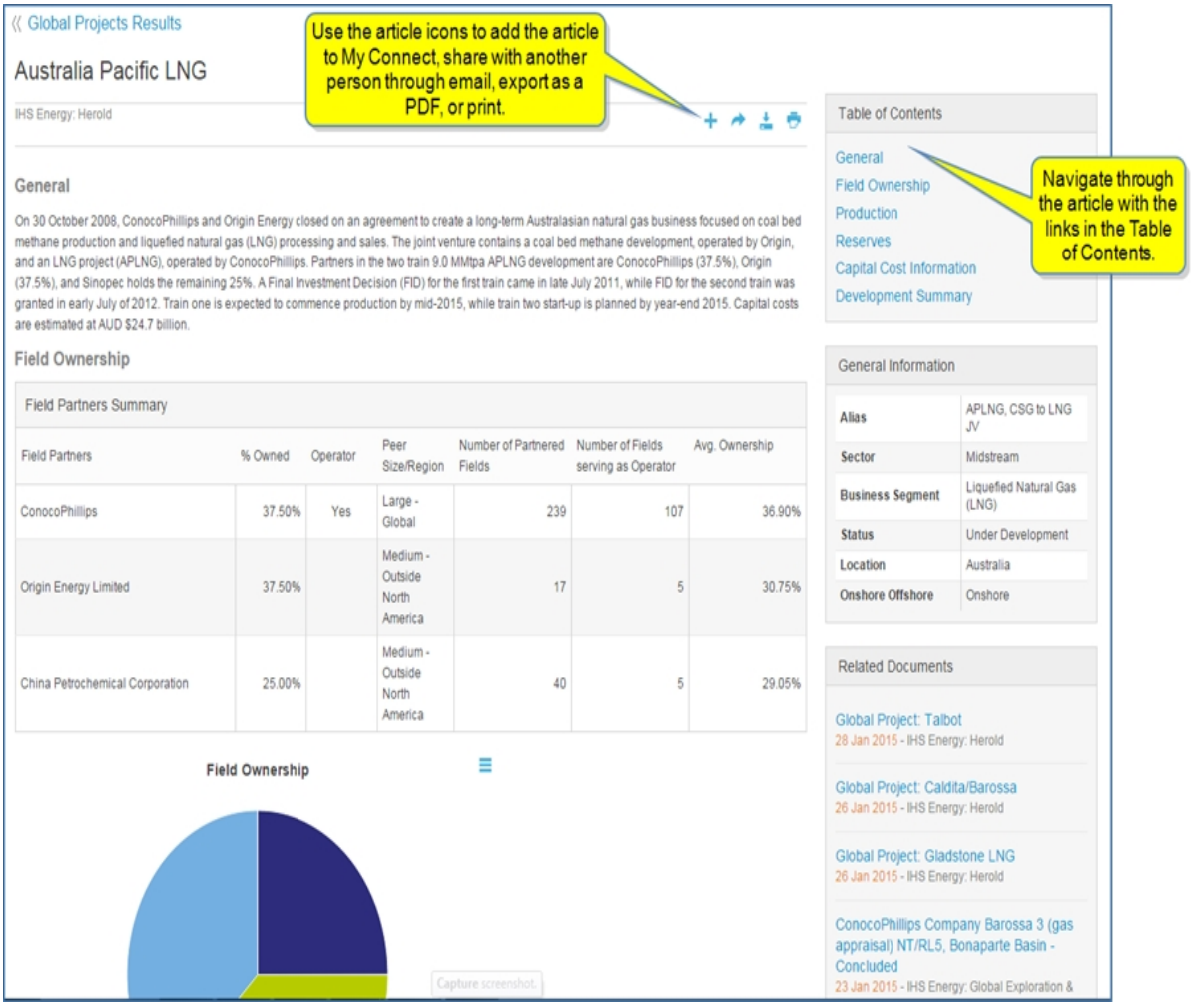
You can change the criteria you view on the chart by selecting from the drop-down menu.



Article View

The article view provides details about the project that include tables and charts about Field Ownership, Project Projections, Reserves, Capital Cost Information, and a Development Summary. The right panel contains modules about General Information, Related Analyst Commentary, and Related Documents.

When you want to view more details for a specific project, click one of the project name links (in blue) on the results page. A scrollable article page is displayed. Navigate through the article using the links in the Table of Contents. You can also add the article to My Connect, share, export, or print the article using the article icons.



Article icons allow you to save, share, export, or print the entire article.

Add the article to a folder on My Connect.

Share the article with another person through email.

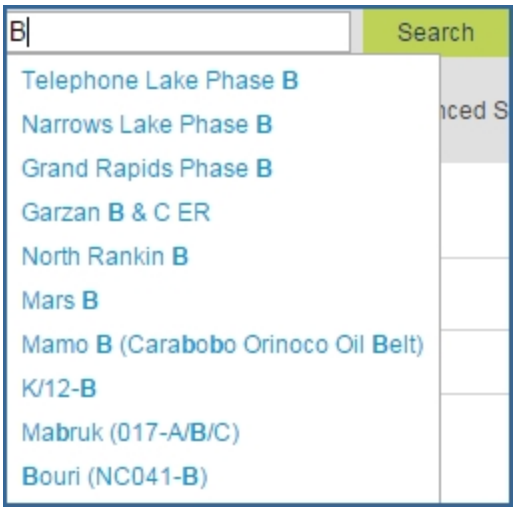
Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

Print the article.

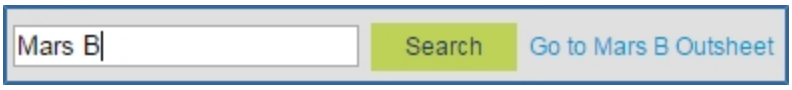
When you scroll to the bottom of the page, a linked name is displayed. When you click the name, the contact information for the analyst of the article becomes available.

Using Search

To search for a project using a keyword or the name of the project, start typing the keyword into the Search field. Connect suggests possible project names.

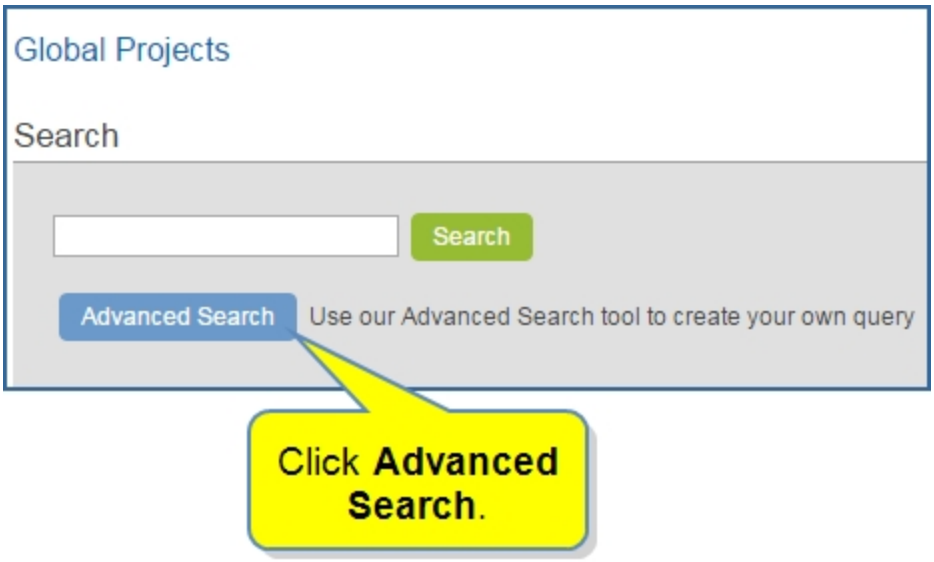


Select a name from the suggested list or type the project name. A new link is displayed taking you to the out-sheet for the project.



Creating an Advanced Search

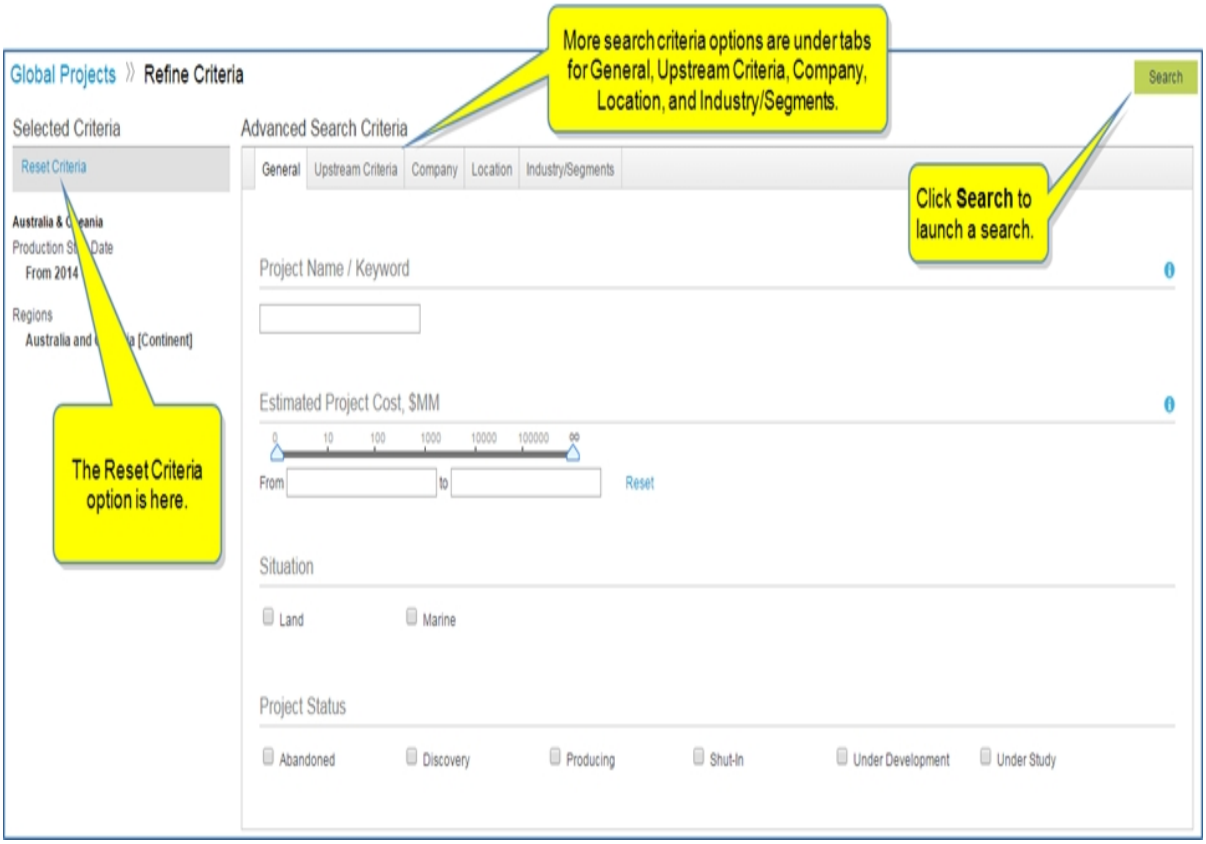
To launch a search with your own search criteria, click the **Advanced Search** button.



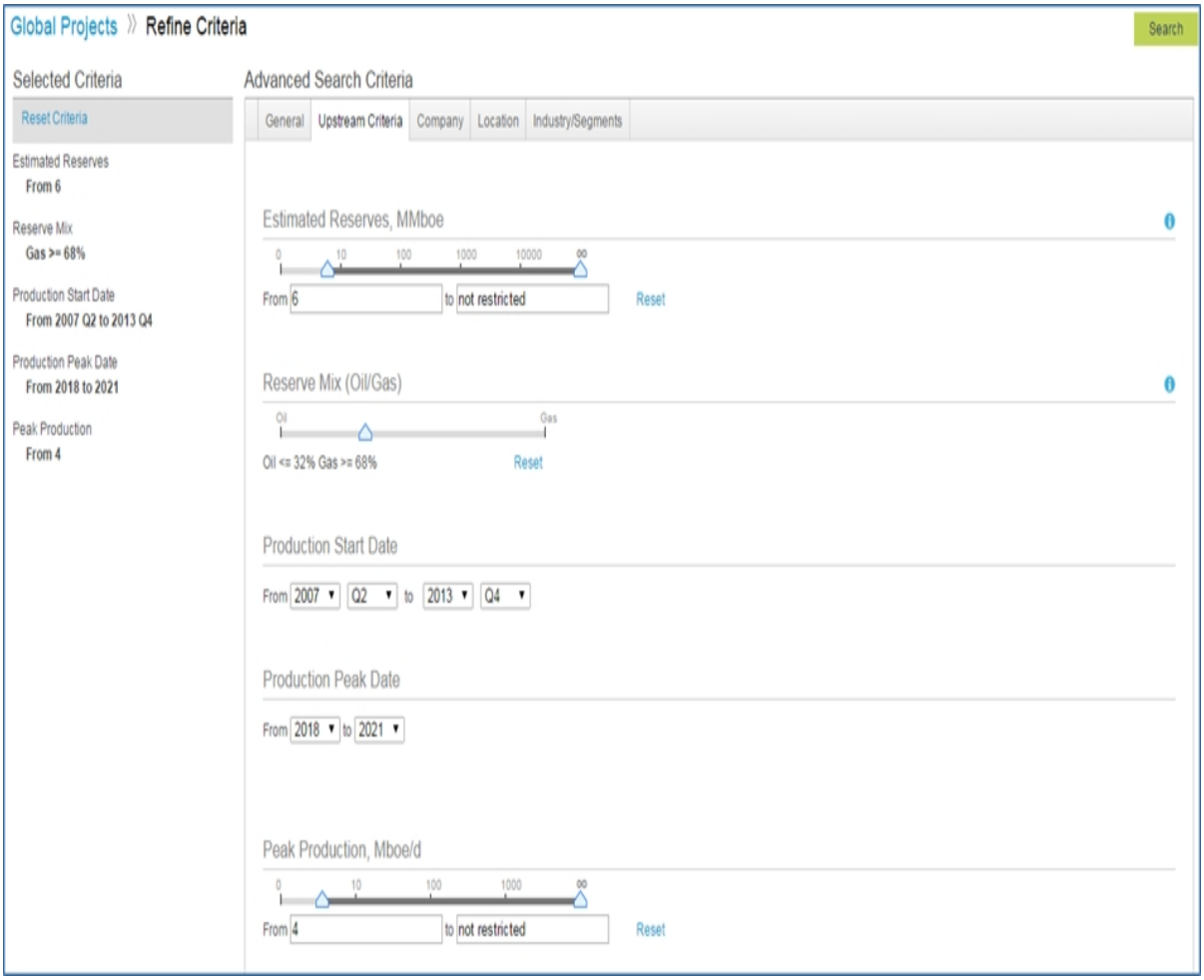
The Refine Criteria page shows you the Selected Criteria and the following tabs:

- General
- Upstream Criteria
- Company
- Location
- Industry/Segments

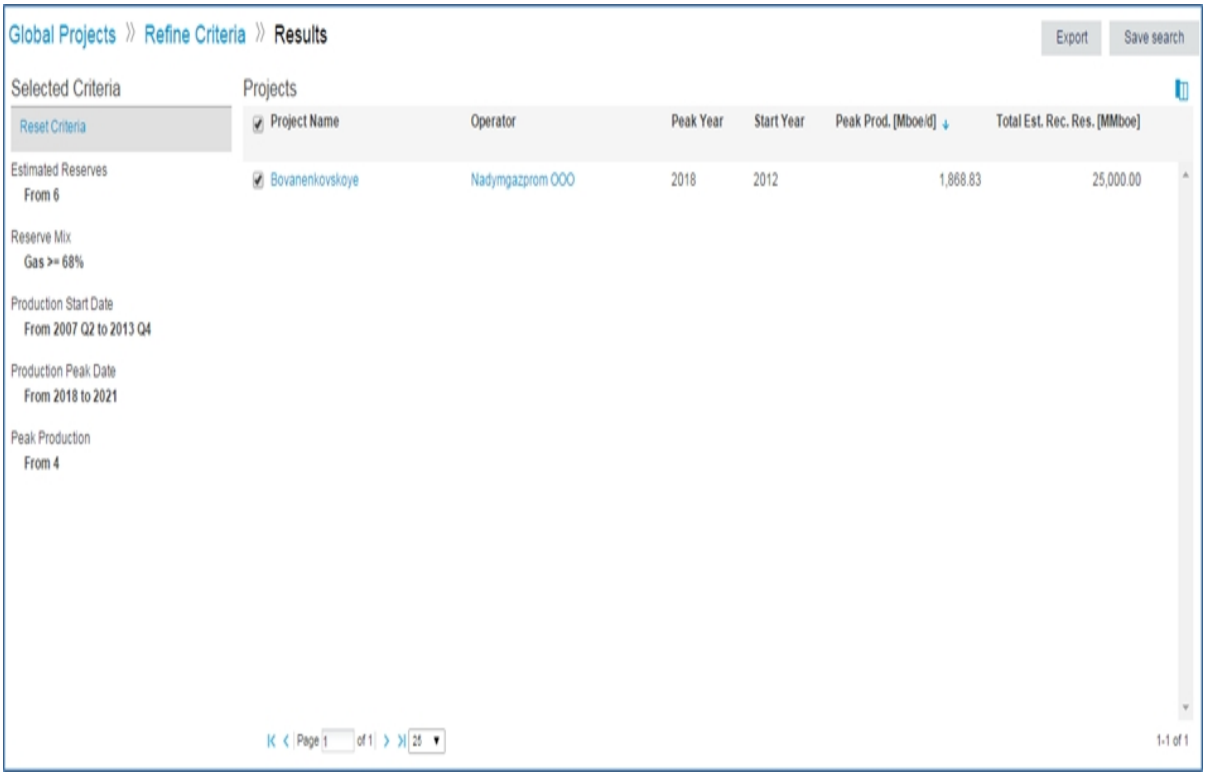
Use the options on these pages to include the criteria you want to see in search results. You can include as many or as few criteria as you prefer. You can clear all selections at any time.



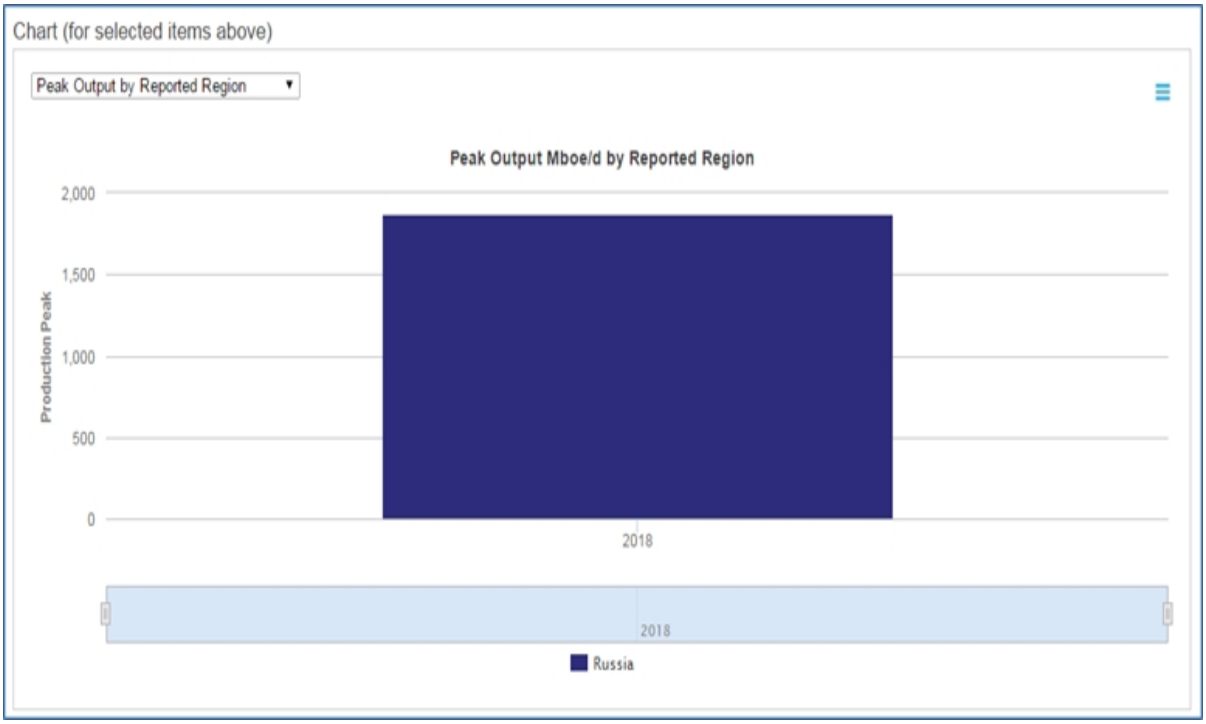
In the following example, we've cleared the criteria, chosen the Upstream Criteria tab, and adjusted the criteria.



The search results show the new Selected Criteria. You can choose to view 25, 50, or 100 results per page.

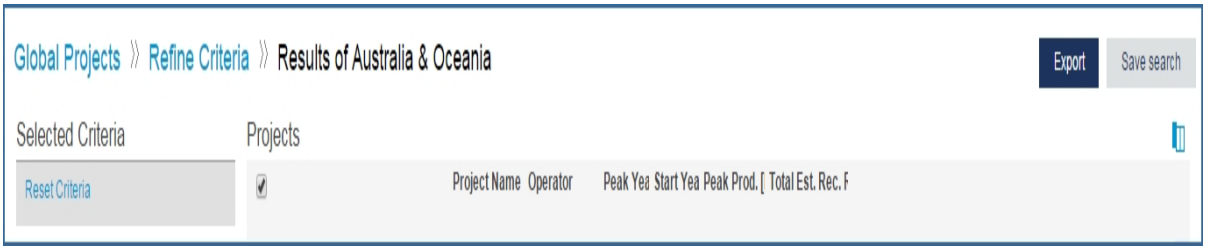


The chart shows Peak Output by Reported Region, and options to export or print the chart are available.



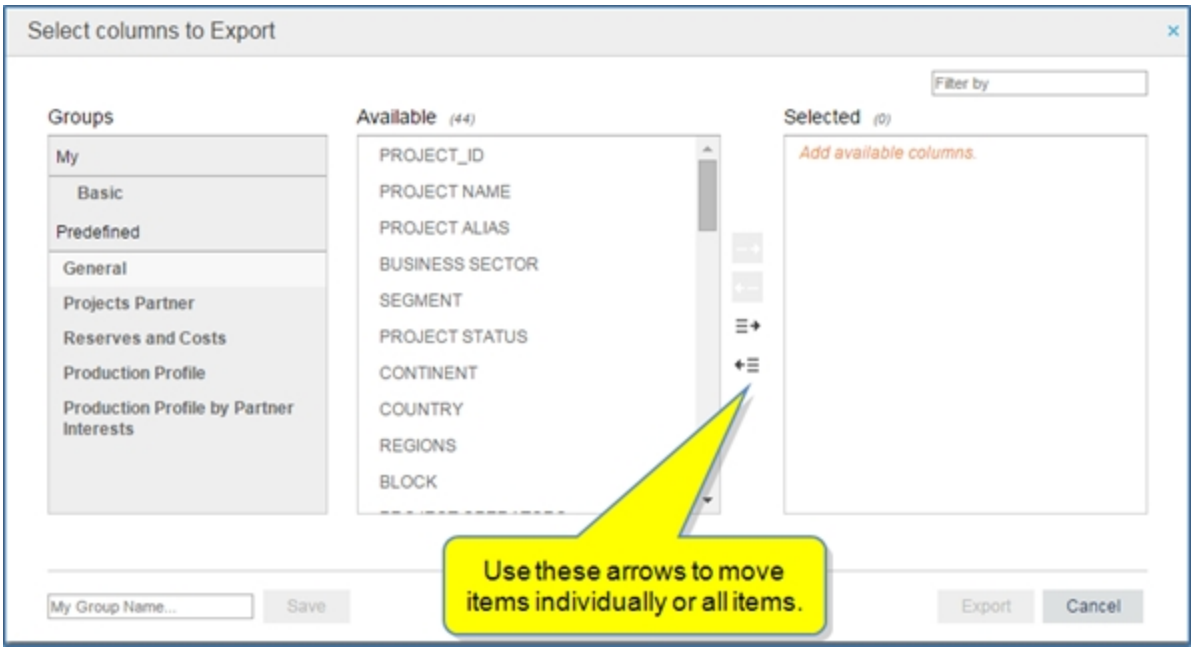
Exporting results

You may want to export results from a Quick Search or an Advanced Search. Select **Export** in the upper right corner.



The ***Select columns to Export*** dialog box opens. These feature allows you to create a custom excel export.

Here you can customize the columns for your export by selecting a Predefined Group (All is an option), and moving Available attributes to the Selected box by clicking the right ( ) or move all ( ) icons. Arrange attributes (columns) into a custom export order by dragging and dropping into position. Then click **Export**.



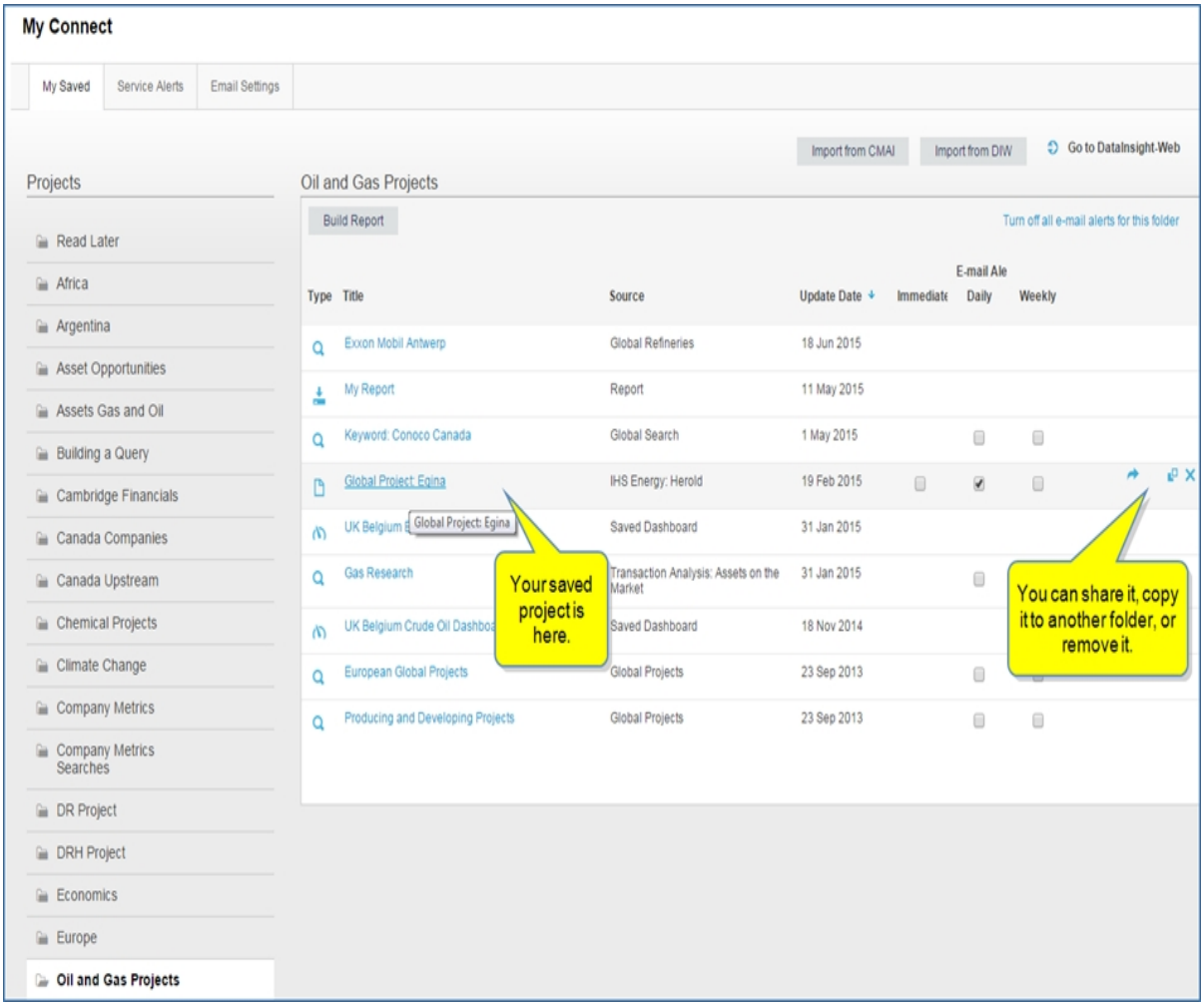
Note: To save your custom order of selected attributes, create a My group by entering a name into the **My Group Name...** input box and clicking **Save**. Your saved attribute group will appear under My in the Groups column until you delete it. To delete, click the to the left of the My group name.

Saving search results

You may want to save individual search results. Select the **Save to My Connect** icon ( ) appearing to the right of the result on hover.

The ***Save to My Connect*** dialog box opens. Save the results to Oil and Gas Projects, any existing project folders, or create a new project. We'll save it to "Oil and Gas Projects."

The saved project is stored as a document on My Connect in the Read Later folder. While hovering over the title, you can share, copy it to another folder, or remove it from My Connect and the Global Project home page.

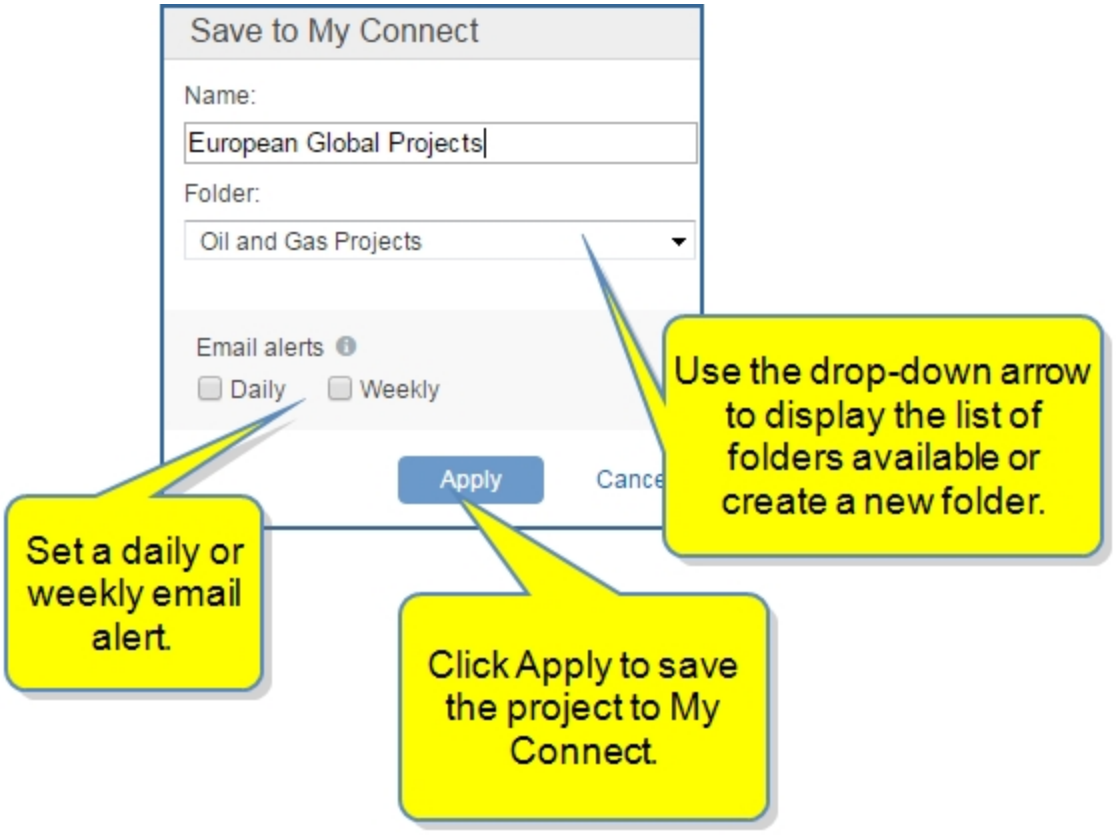


When you click the title, the article view with details is displayed.

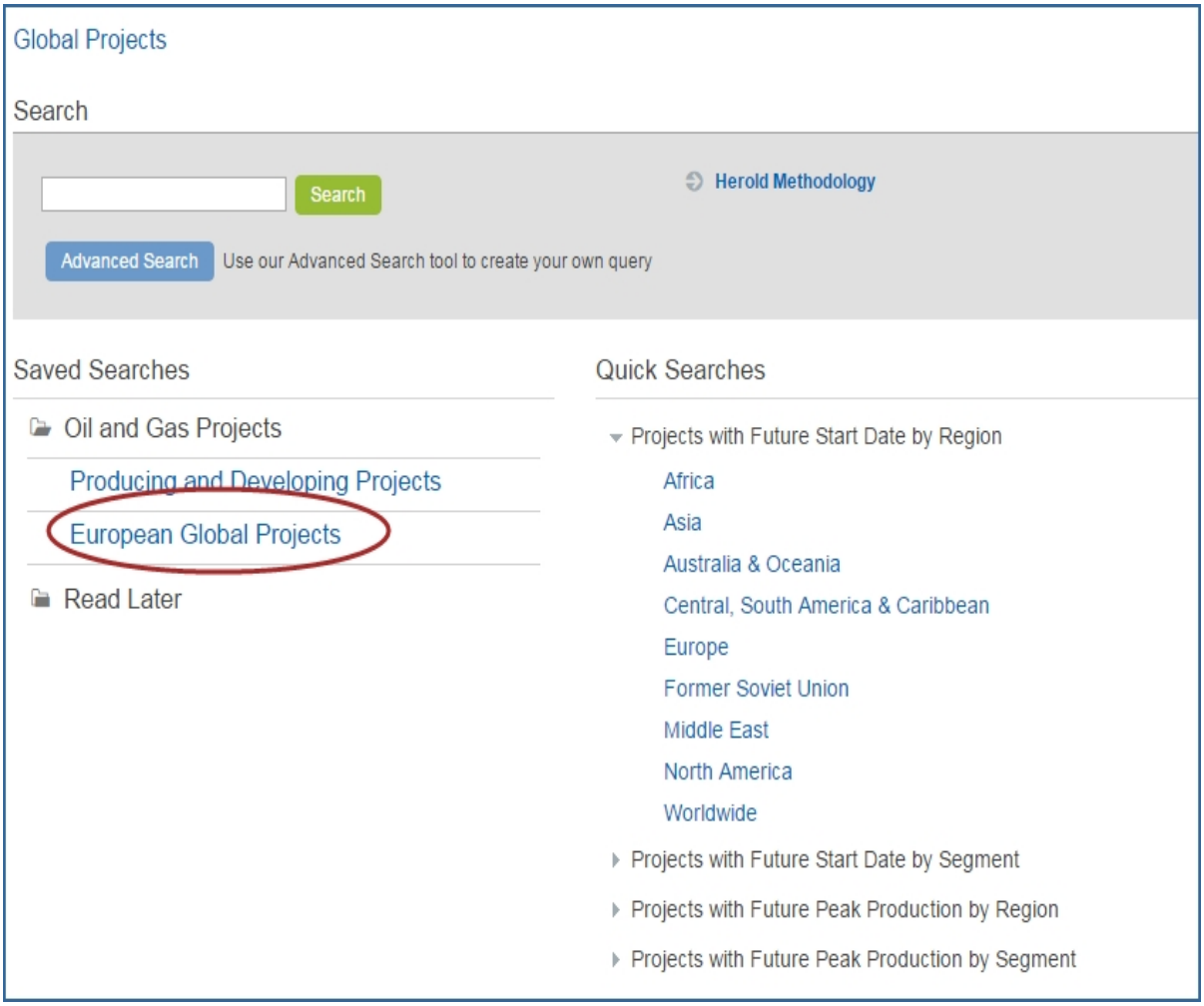
Saving search criteria

You may want to save a Quick Search or an Advanced Search. Select **Save search** in the upper right corner.

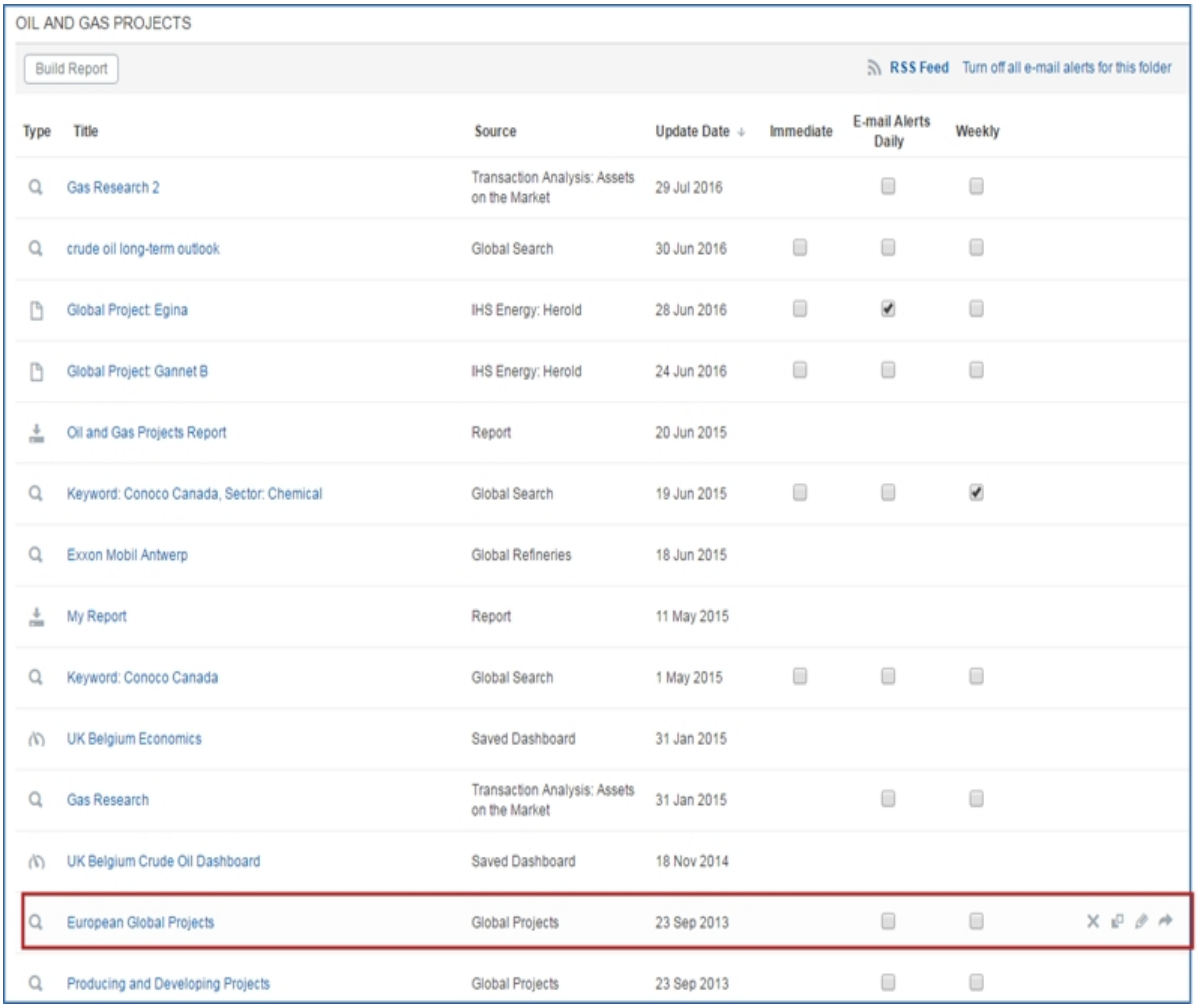
The ***Save to My Connect*** dialog box opens. We'll name the search "European Global Projects," and save it in the "Oil and Gas Projects" folder.



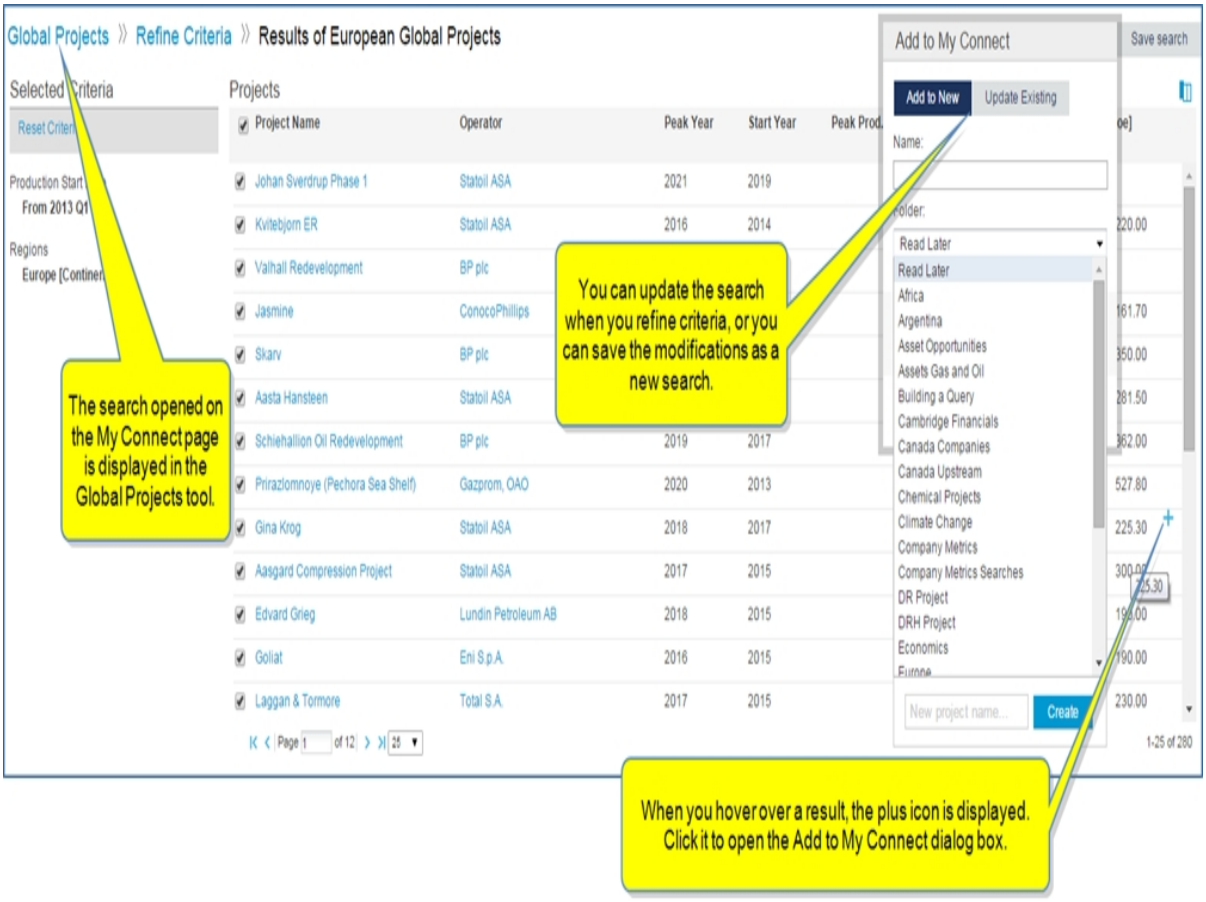
The "Oil and Gas Projects" folder containing the "European Global Projects" search now appears under Saved Searches on the Global Projects page. (Click the folder to view the search.)



It also appears on My Connect.



If you select the search while in My Connect My Saved, the search opens in Global Projects on the Results page. If you want to revise your search criteria, just select **Refine Criteria** in the breadcrumbs trail. You can update the search when you refine criteria, or you can save the modifications as a new search.



Deleting searches

There are two places where you can delete a Global Projects search—on the Global Projects primary page and on My Connect. Deleting a search from either of these location, removes the search from Global Projects and My Connect. To delete a search, click the X.

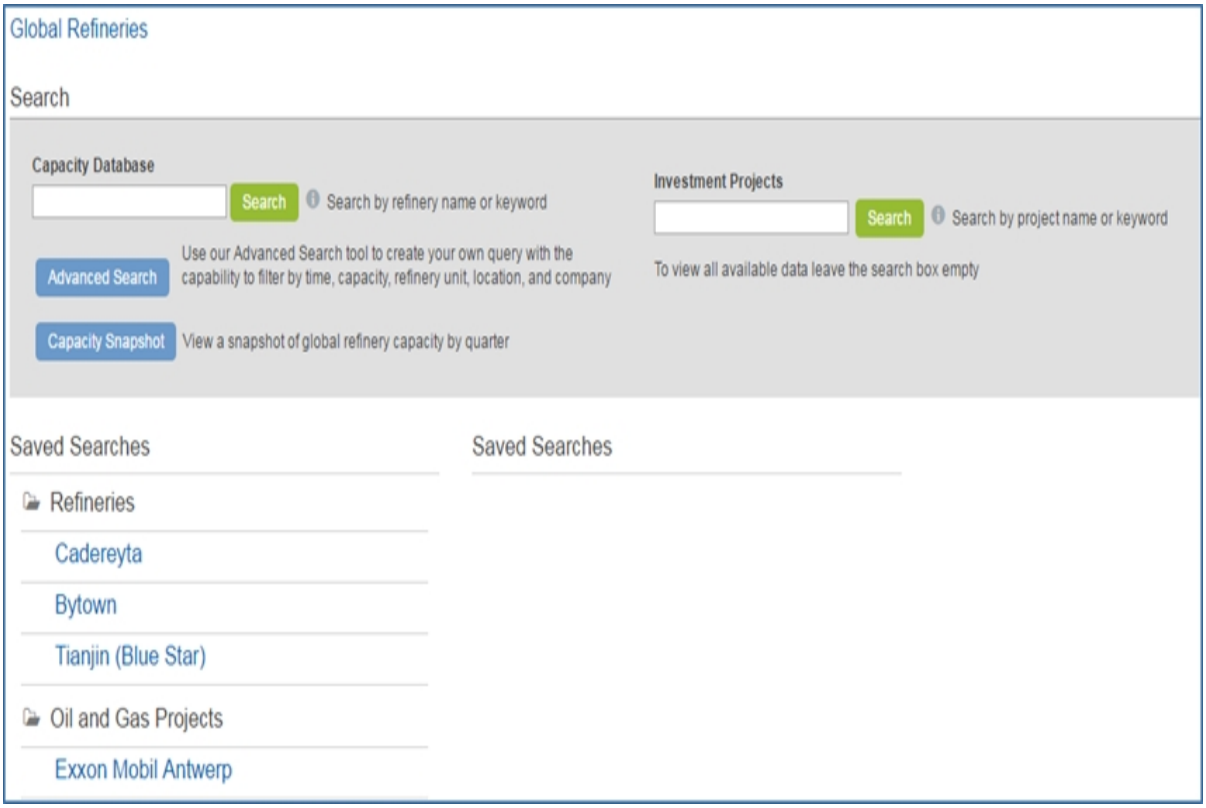
Note: If you created a new folder for the search, and you want to delete it, highlight the folder in the left pane of My Connect, and then click the **X**.

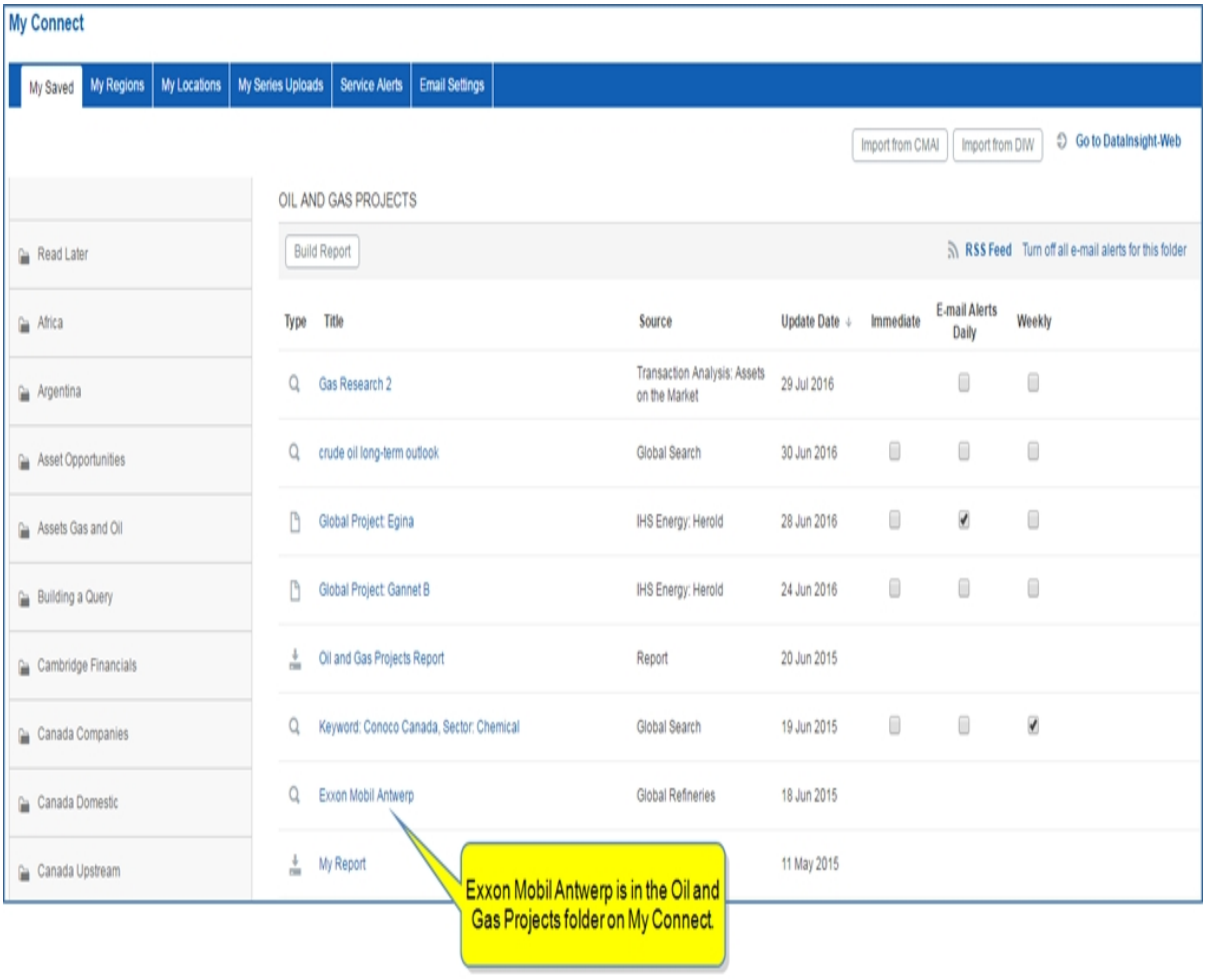
Global Refineries

Global Refineries

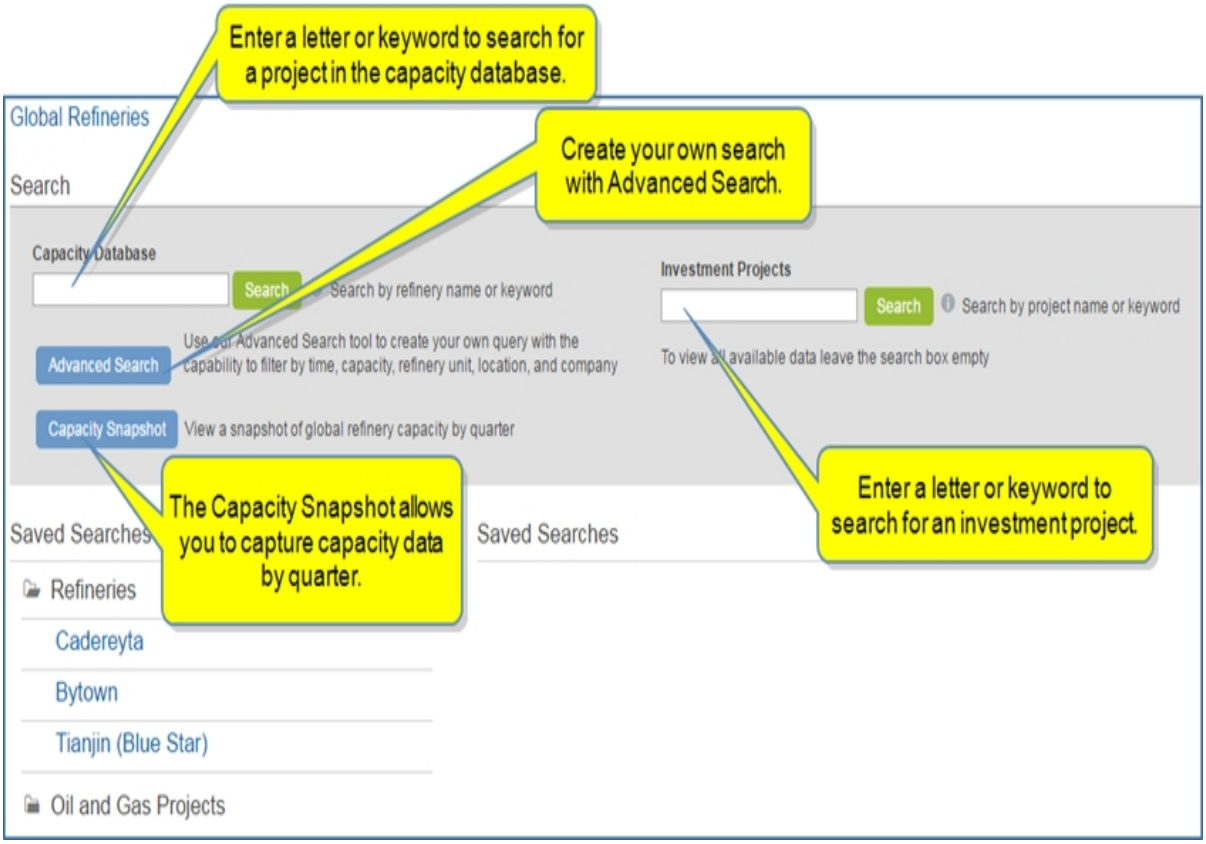
Global Refineries allows Refining and Product Market customers to quickly access and analyze worldwide refinery capacity, historically and at individual refineries. You can search for a refinery by name or keyword, do an advanced search, save searches for future reference, and export data.

Note: When you save a search, it appears on the Global Refineries page and in My Connect.


Global Refineries
Search
Capacity Database
Search
Search by refinery name or keyword
Advanced Search
Use our Advanced Search tool to create your own query with the capability to filter by time, capacity, refinery unit, location, and company
Capacity Snapshot
View a snapshot of global refinery capacity by quarter
Investment Projects
Search
Search by project name or keyword
To view all available data leave the search box empty
Saved Searches
Refineries
Cadereyta
Bytown
Tianjin (Blue Star)
Oil and Gas Projects
Exxon Mobil Antwerp
Saved Searches


My Connect
My Saved
My Regions
My Locations
My Series Uploads
Service Alerts
Email Settings
Import from CMAI
Import from DIW
Go to DataInsight-Web
Read Later
Africa
Argentina
Asset Opportunities
Assets Gas and Oil
Building a Query
Cambridge Financials
Canada Companies
Canada Domestic
Canada Upstream
OIL AND GAS PROJECTS
Build Report
RSS Feed
Turn off all e-mail alerts for this folder
Type
Title
Source
Update Date
Immediate
E-mail Alerts Daily
Weekly
Gas Research 2
Transaction Analysis: Assets on the Market
29 Jul 2016
crude oil long-term outlook
Global Search
30 Jun 2016
Global Project: Egina
IHS Energy: Herold
28 Jun 2016
Global Project: Gannet B
IHS Energy: Herold
24 Jun 2016
Oil and Gas Projects Report
Report
20 Jun 2015
Keyword: Conoco Canada, Sector: Chemical
Global Search
19 Jun 2015
Exxon Mobil Antwerp
Global Refineries
18 Jun 2015
My Report
11 May 2015
Exxon Mobil Antwerp is in the Oil and Gas Projects folder on My Connect.

When you click **Global Refineries**, the page opens with a search field where you can enter a letter or a keyword to find a project, an Advanced Search tool to create your own query, and Saved Searches.



The **Capacity by time** feature allows you to view, filter, and export capacity data by quarter.

You can enter the name or keyword for a refinery in the Search field to retrieve results about a specific refinery. You you can also do an open search by clicking Search.

Table results display **Direct owners**, **Indirect Owners**, or **Consolidated**. (Consolidated ignores the ownership data and groups capacity by unit for each refinery.) The table is charted above the table in the results.

Advanced Search allows you to set your own criteria using tabs for General, Location, and Company.

The following sections describe the features in Global Refineries:

- Capacity Snapshot
- Using Search
- Creating an Advanced Search
- Exporting results
- Saving search criteria
- Deleting searches

Capacity Snapshot

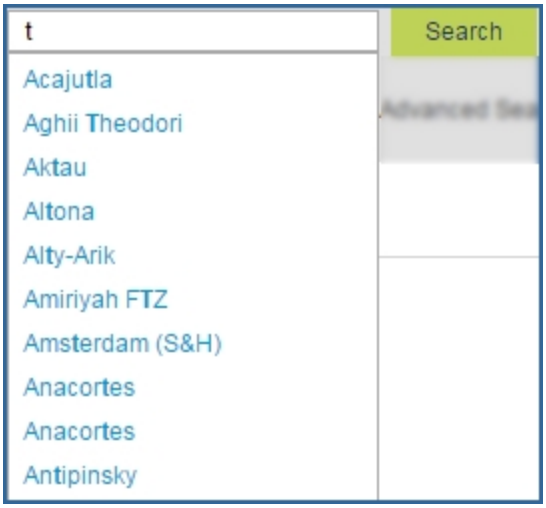
Capacity Snapshot retrieves data organized by a quarter time column with detailed attributes displayed horizontally at the top of the columns. Drop-down lists are available under the headings of the columns so you can change the quarter, refinery, country, operator, owner, or unit.

Some companies that are listed under Operator and Owner are linked. When you click the company, the Company Profile page is displayed with detailed information about the company.

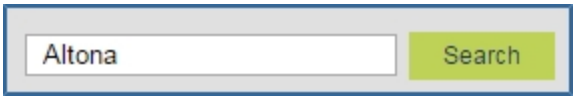
When you click Export in the upper right, the Select columns to Export dialog opens, which allows you to choose the columns you want displayed.

Using Search

To search for a refinery, start typing the name or letters in the name of a refinery into the **Search** field. Connect suggests possible refinery names.



Select a name from the suggested list, and then click **Search**.

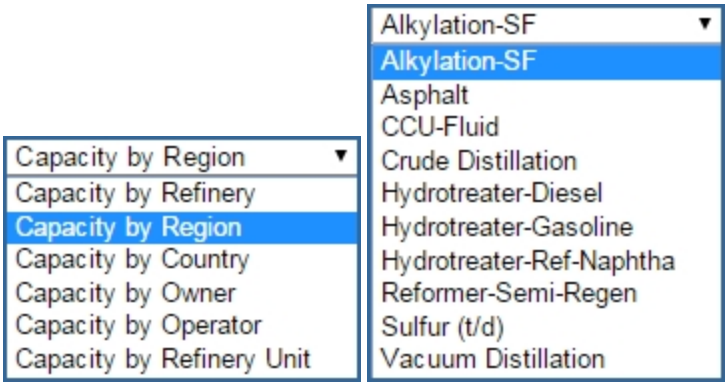


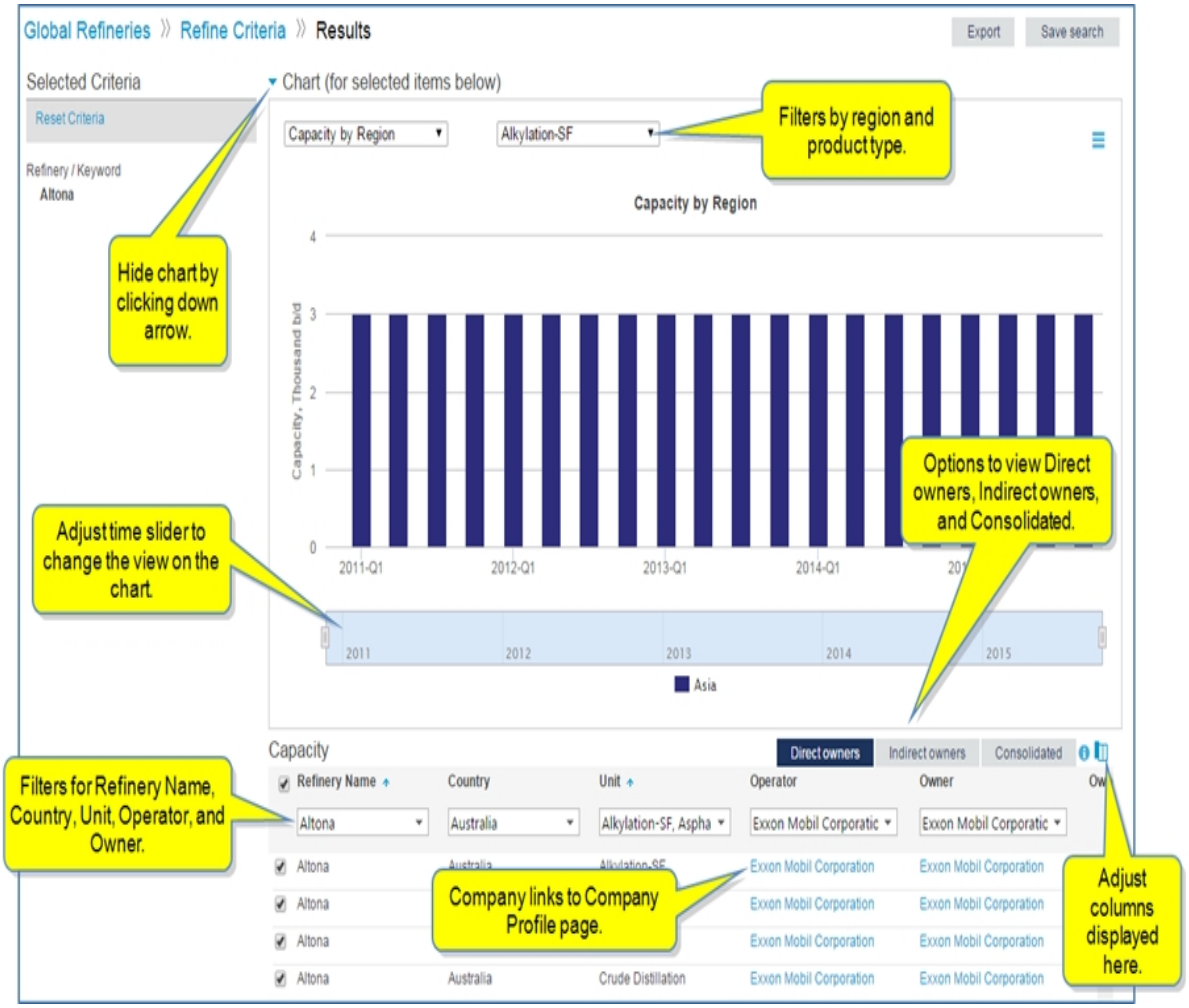
The results page displays a chart and table. The table can be adjusted with the time slider.

If you want to hide the chart, click the down arrow next to Chart. The chart offers a Capacity drop-down filter list and product type choices.

View options in the table include

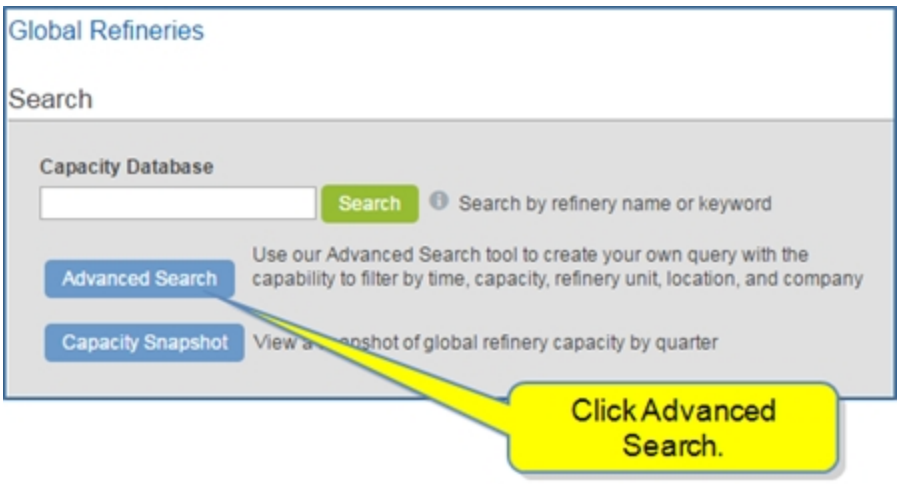
- **Direct owners**—owners of the refinery
- **Indirect owners**—those that hold an interest in a joint venture company (e.g. Shell and Saudi Aramco are the indirect owners of Motiva)
- **Consolidated**—a consolidated view of capacity at each refinery by unit





Creating an Advanced Search

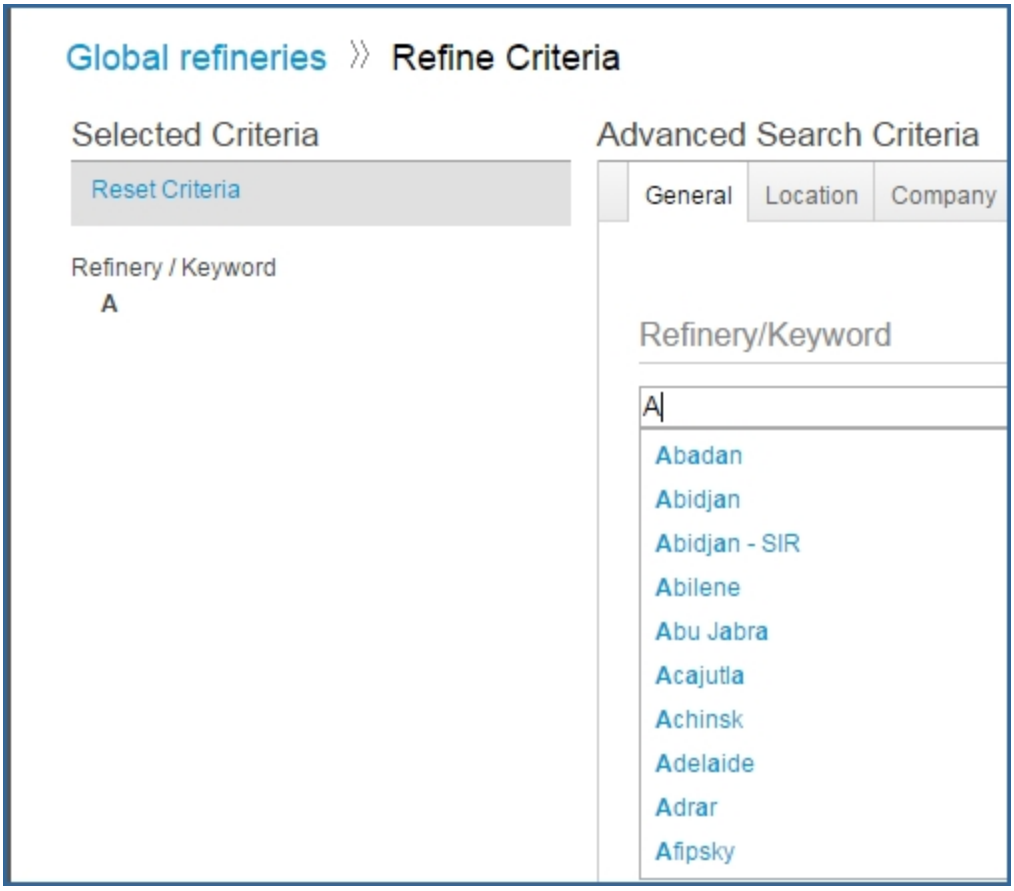
To launch a search with your own search criteria, click the **Advanced Search** button.



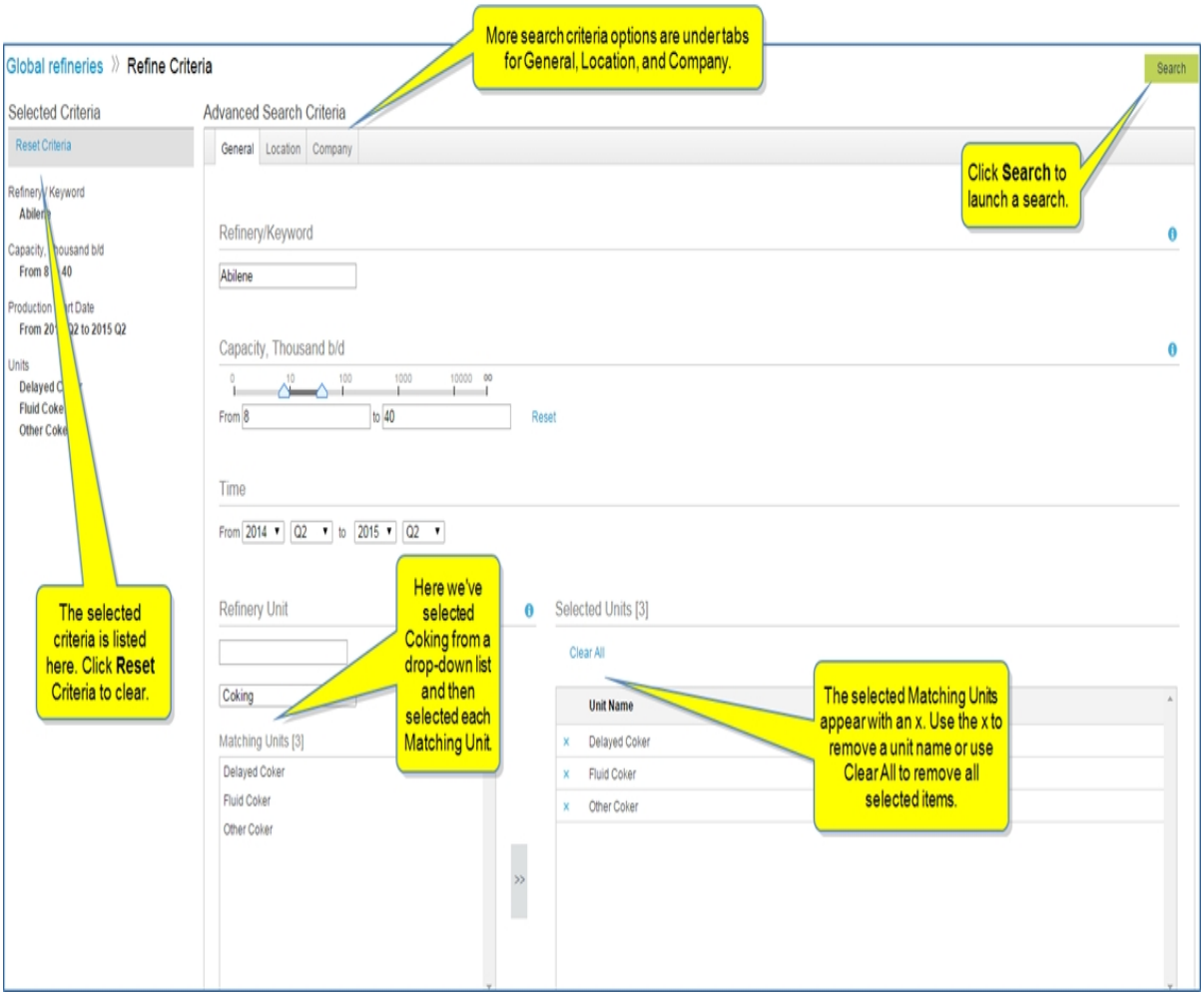
The Refine Criteria page shows you the Selected Criteria and the following tabs:

- General
- Location
- Company

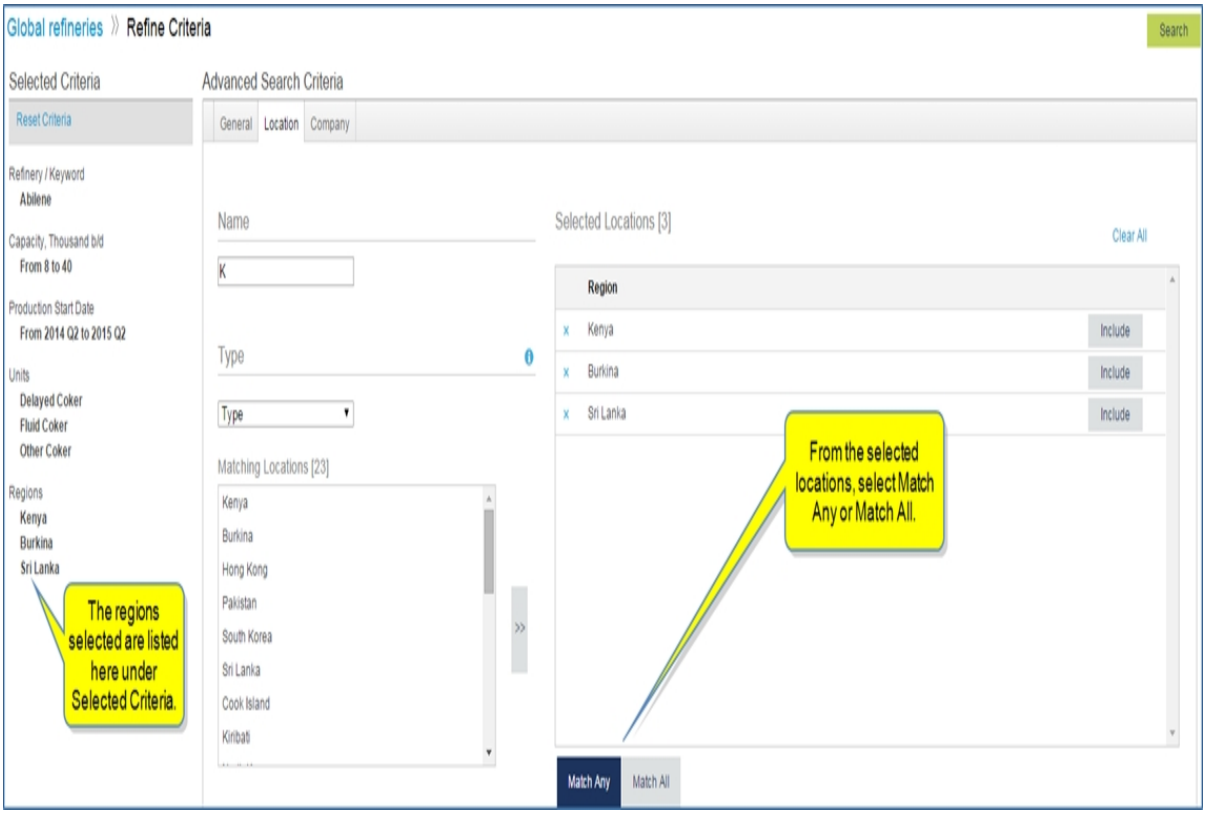
Use the options on the General, Location, and Company pages to include the criteria you want to see in search results. You can include as many or as few criteria as you prefer. You can clear all selections at any time.



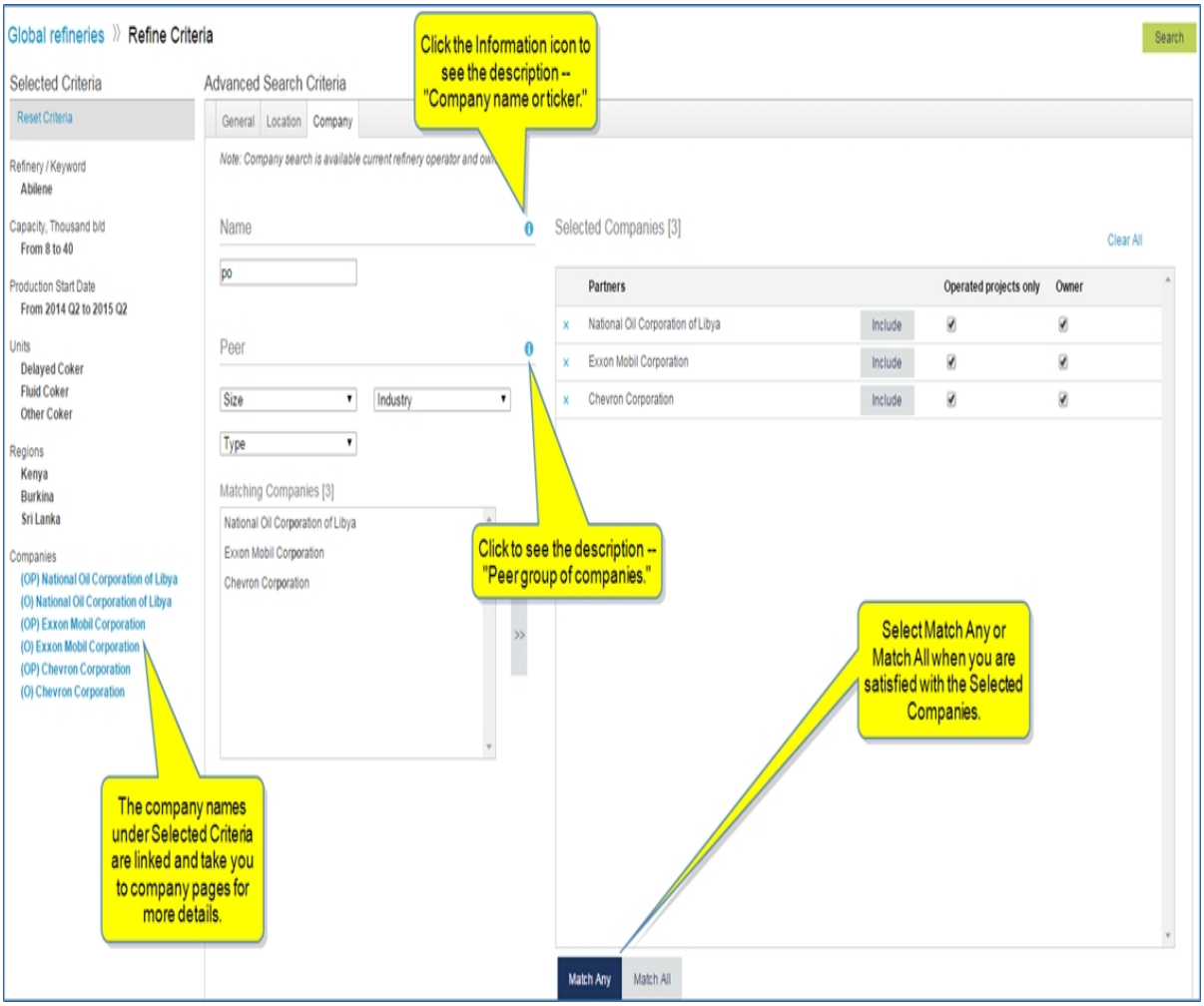
On the General tab, we've selected the refinery name and criteria.



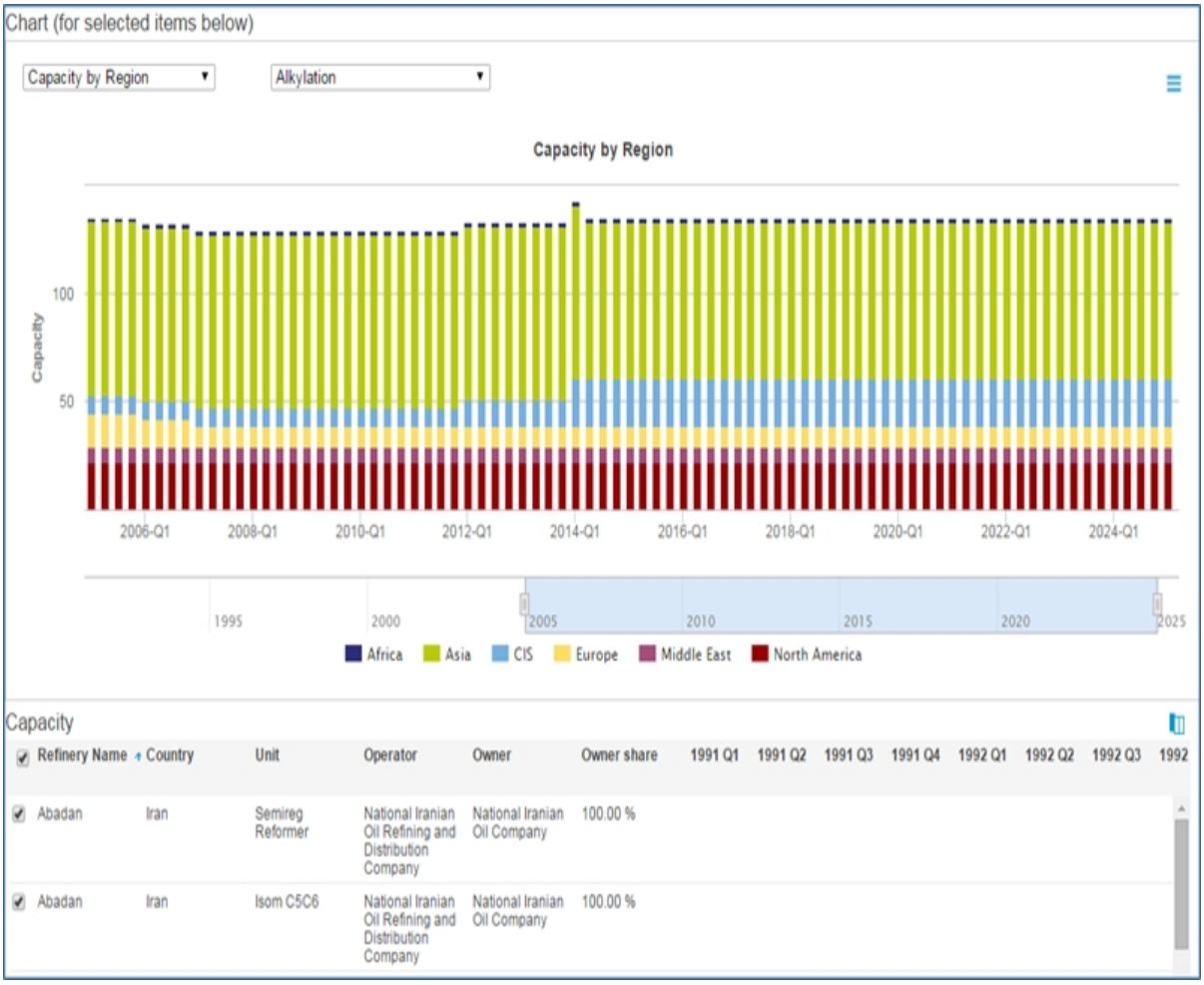
On the Location tab, we've entered **K** into the search field, and from the results list, we've selected **Kenya**, **Burkina**, and **Sri Lanka**. The selected locations can be removed using the **x** or **Clear All**. Set the matching to **Match Any** or Match **All** below Selected Locations.



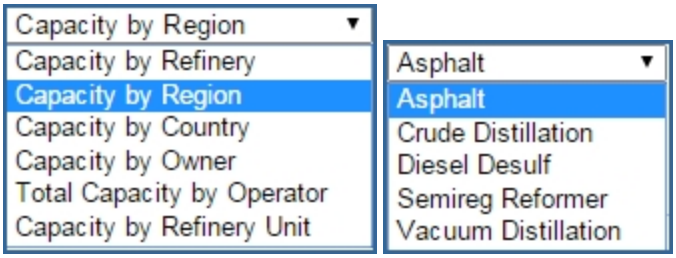
The Company tab allows you to enter a Company name or ticker or refine company Peer group criteria. In the following example, we've entered **po** for the Company search and received three Matching Companies. Clicking a company or using the right arrows places the company in the Selected Companies pane. The **x** next to a company name removes it from the Selected Companies pane, or you can remove all companies using **Clear All**.



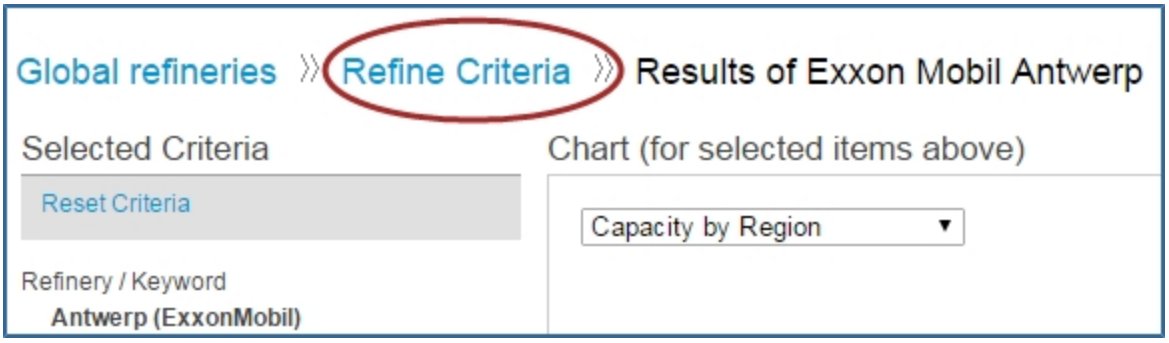
Results from another example display a chart and data table.



You can toggle the chart by product and have the following choices, as an example, for the drop downs.

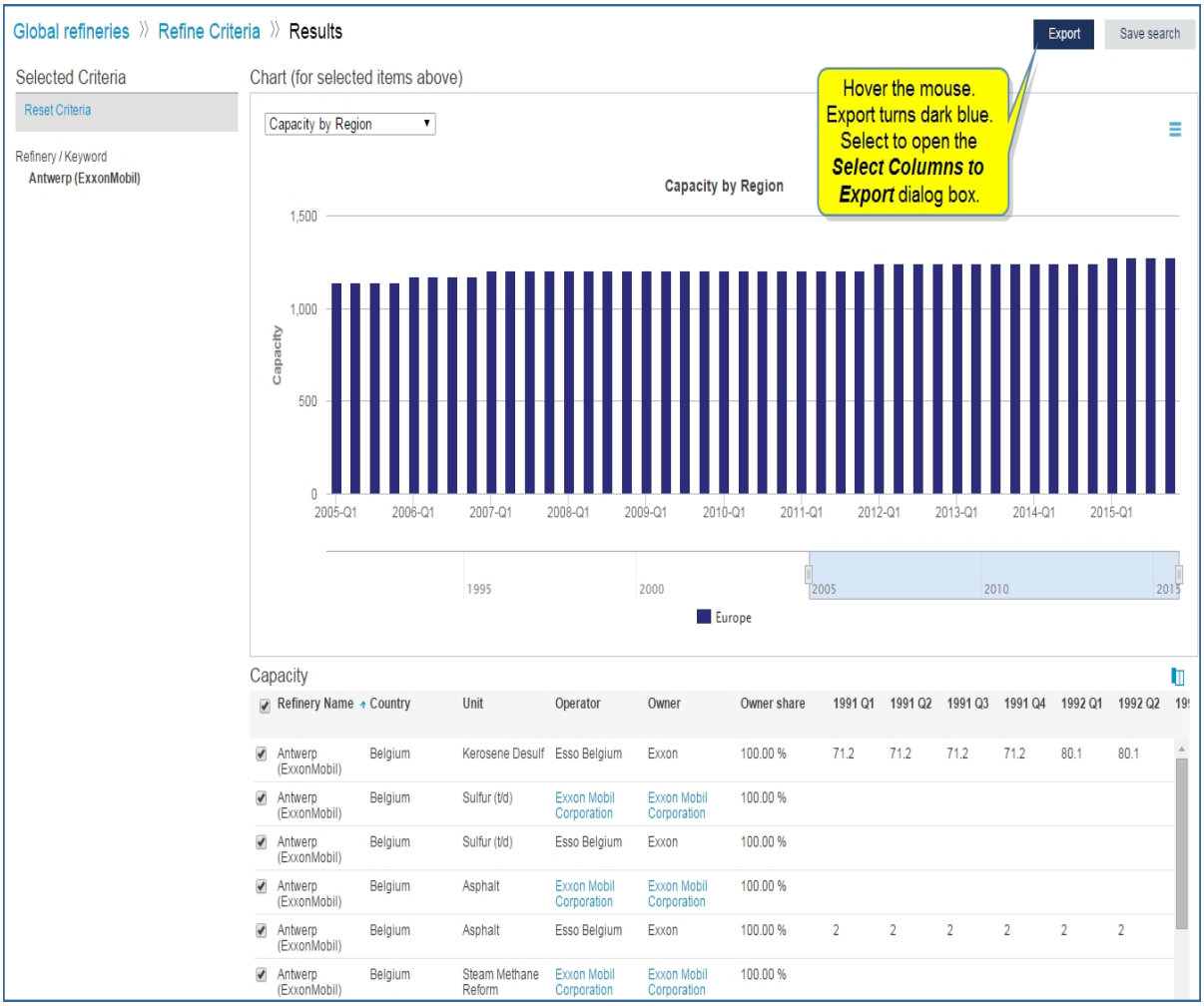


Click **Refine Criteria** in the breadcrumbs trail of a results page to make more modifications, and then click **Search** for results.



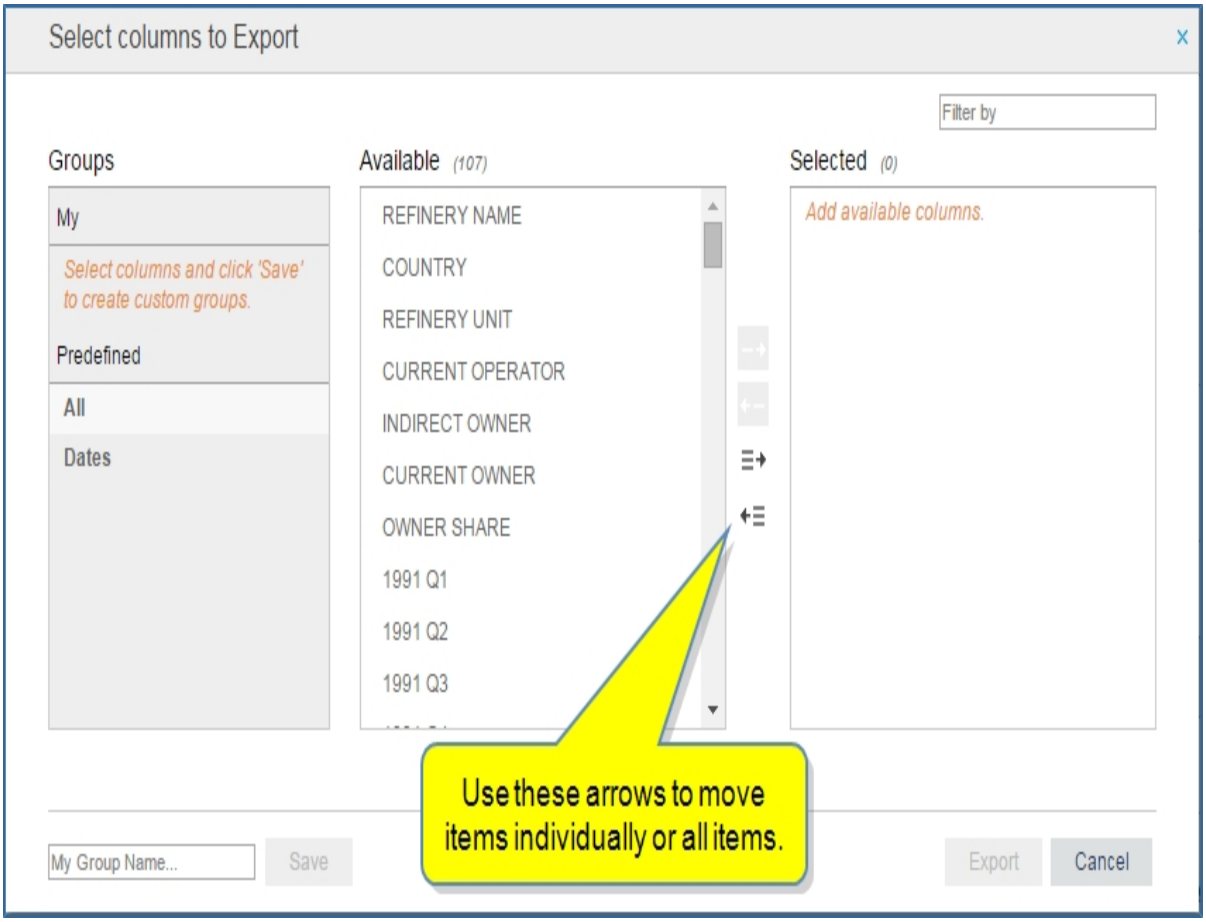
Exporting results

You may want to export results from a Quick Search or an Advanced Search. Select **Export** in the upper right corner.



The ***Select columns to Export*** dialog box opens. This feature allows you to create a custom Excel export.

Here you can customize the columns for your export by selecting a Predefined Group (All is an option), and moving Available attributes to the Selected box by clicking the right ( ) or move all ( ) icons. Arrange attributes (columns) into a custom export order by dragging and dropping into position. Then click **Export**.

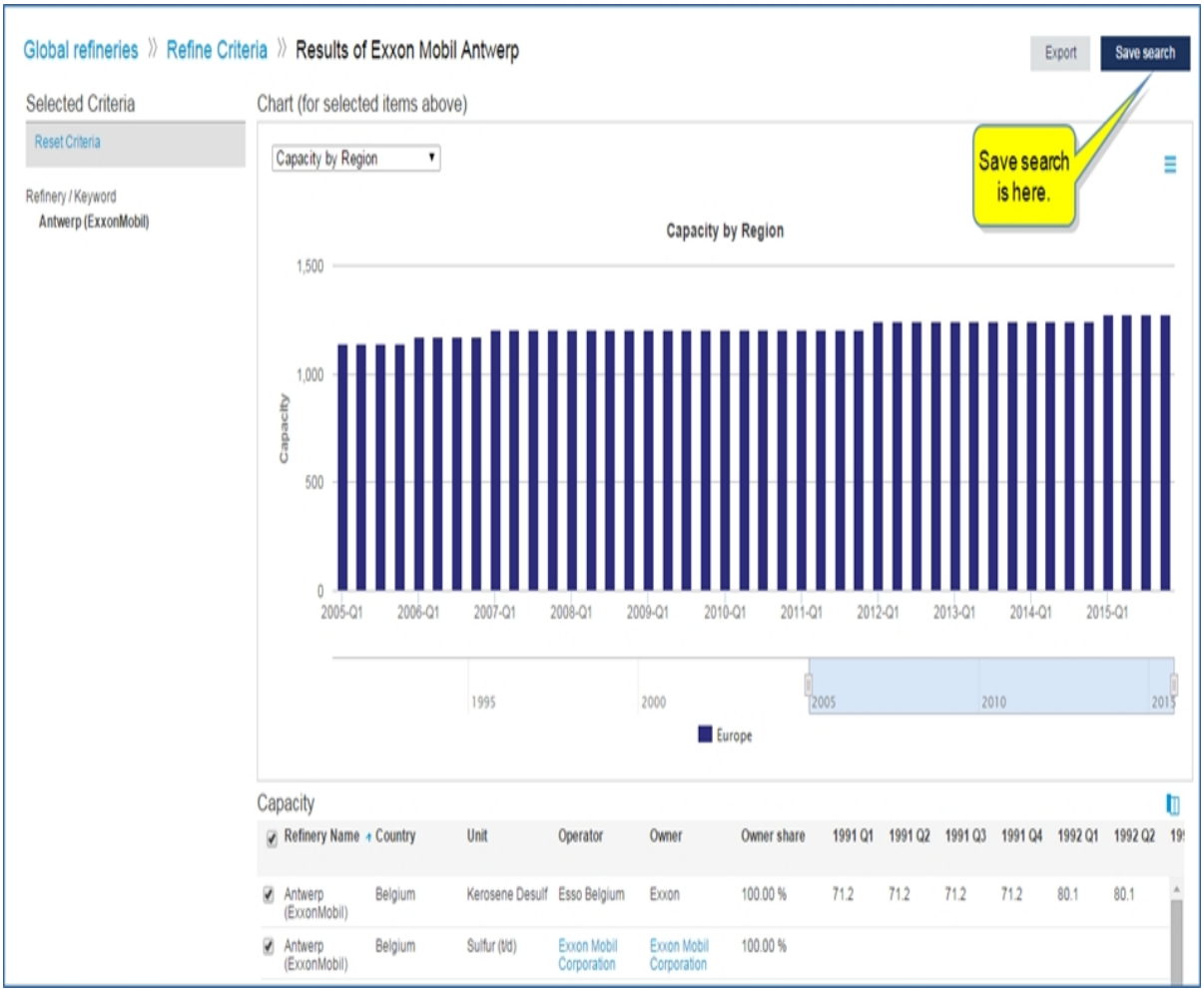


Note: To save your custom order of selected attributes, create a My group by entering a name into the **My Group Name...** input box and clicking **Save**. Your saved attribute group will appear under My in the Groups column until you delete it. To delete, click the to the left of the My group name.

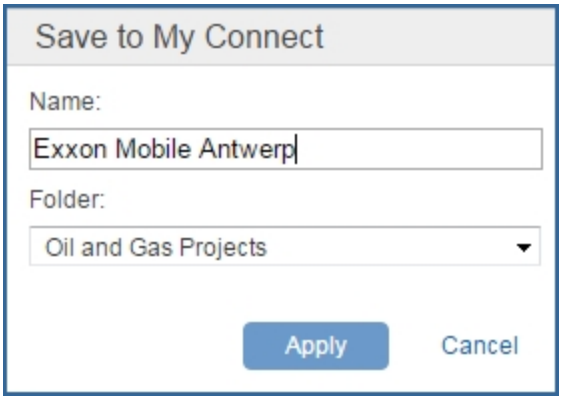
You can also use the Menu Bar icon to Export to Image, Export to PDF, Export to Excel, Export to Power-Point, or Print.

Saving search criteria

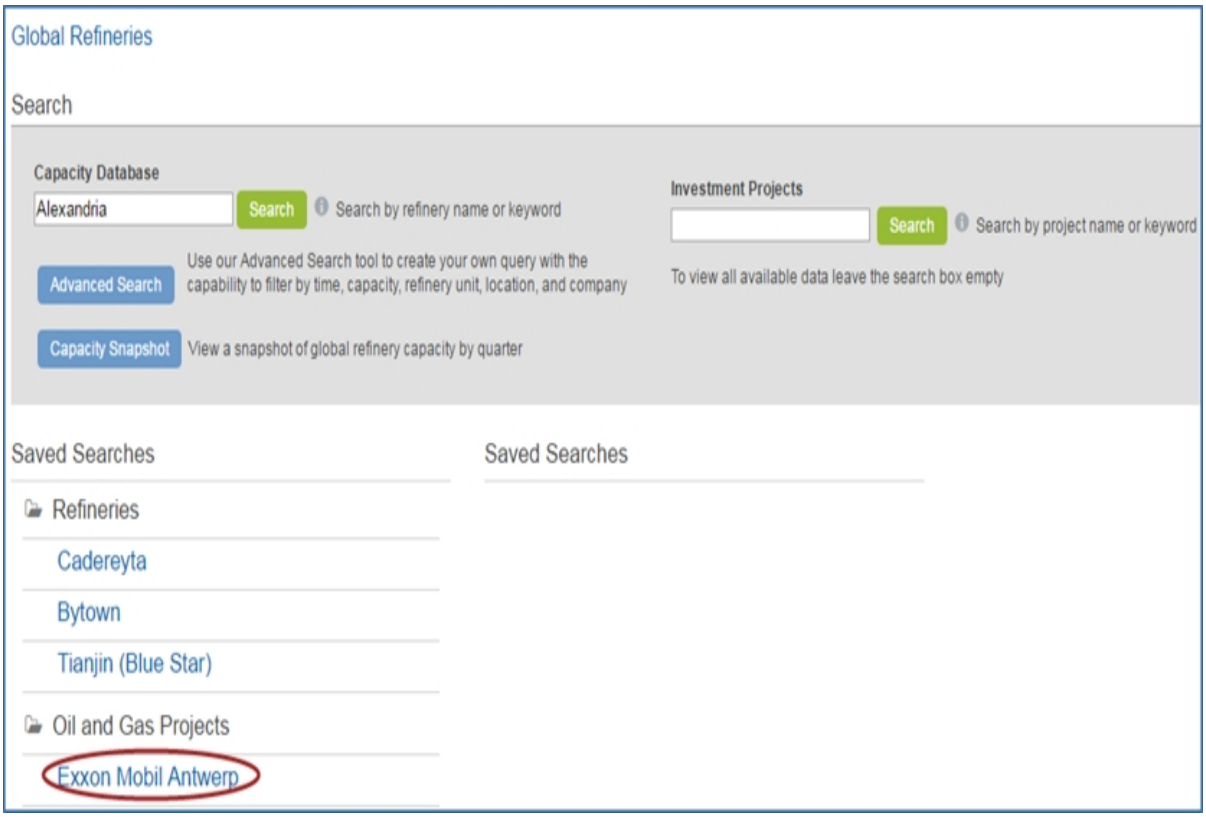
You may want to save a Quick Search or an Advanced Search. Select **Save search** in the upper right corner.



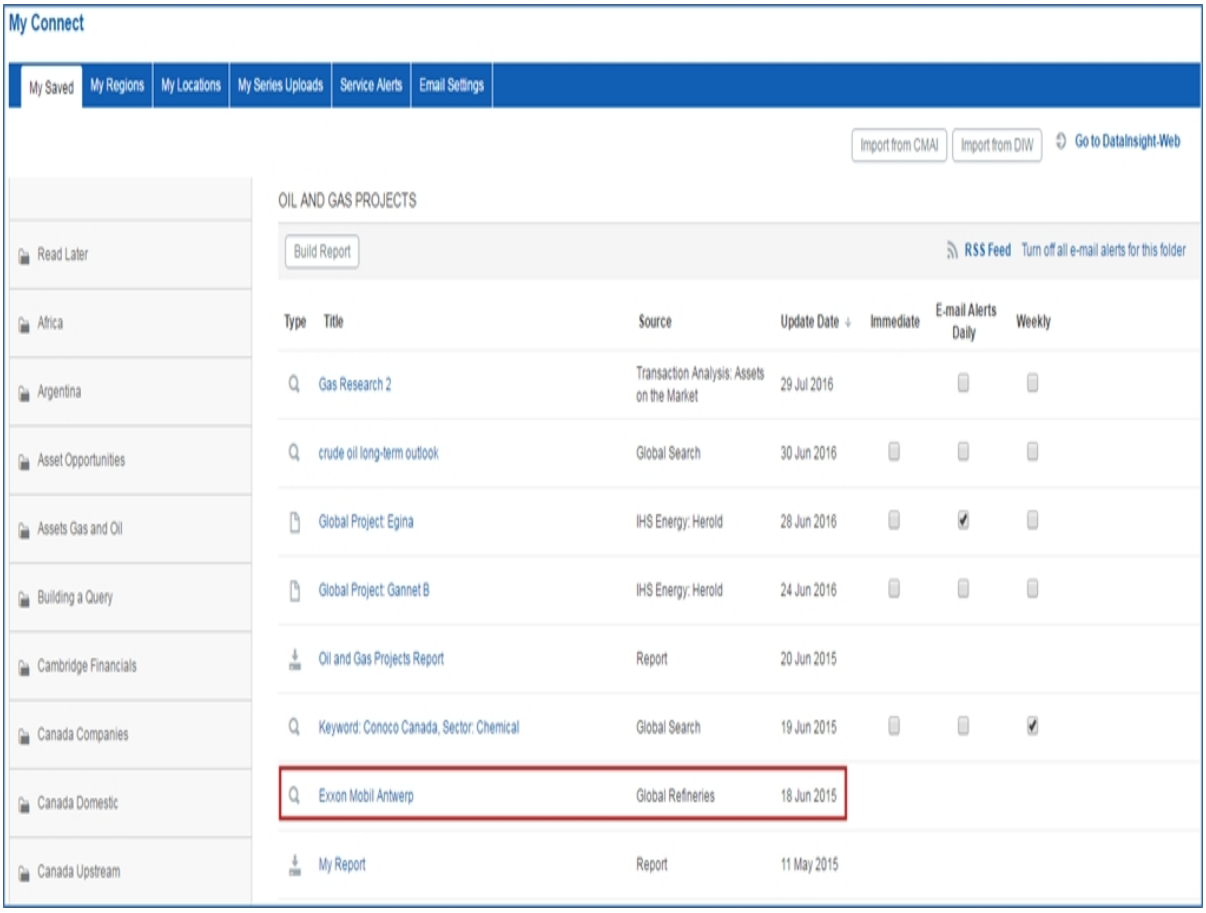
The ***Save to My Connect...*** dialog box opens. We'll name the search "Exxon Mobil Antwerp," and save it in the "Oil and Gas Projects" folder. Click **Apply** to save the search.



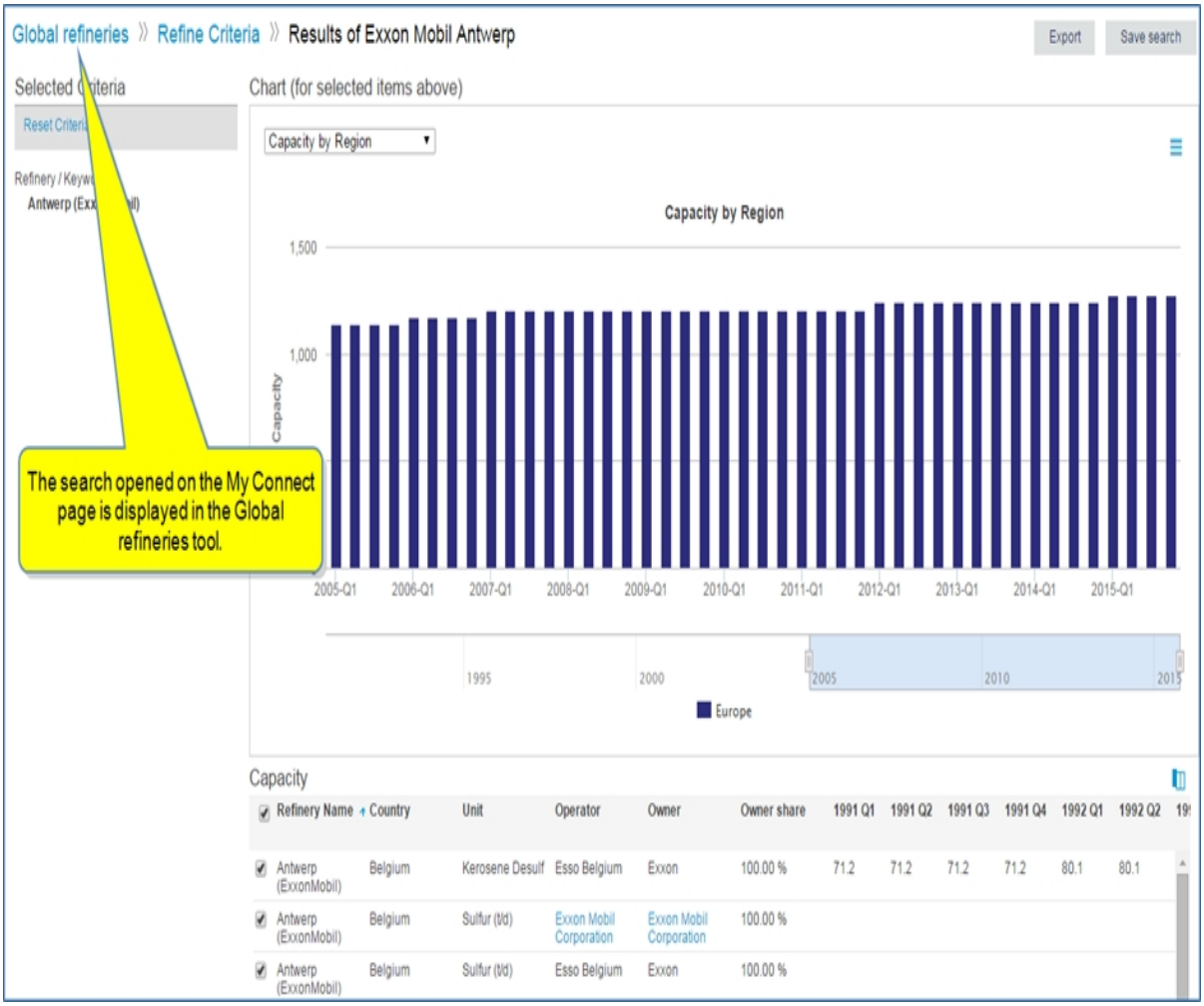
The "Oil and Gas Projects" folder containing the "Exxon Mobil Antwerp" search now appears under Saved Searches on the Global Refineries page. (Click the folder to view the search.)



It also appears on My Connect.



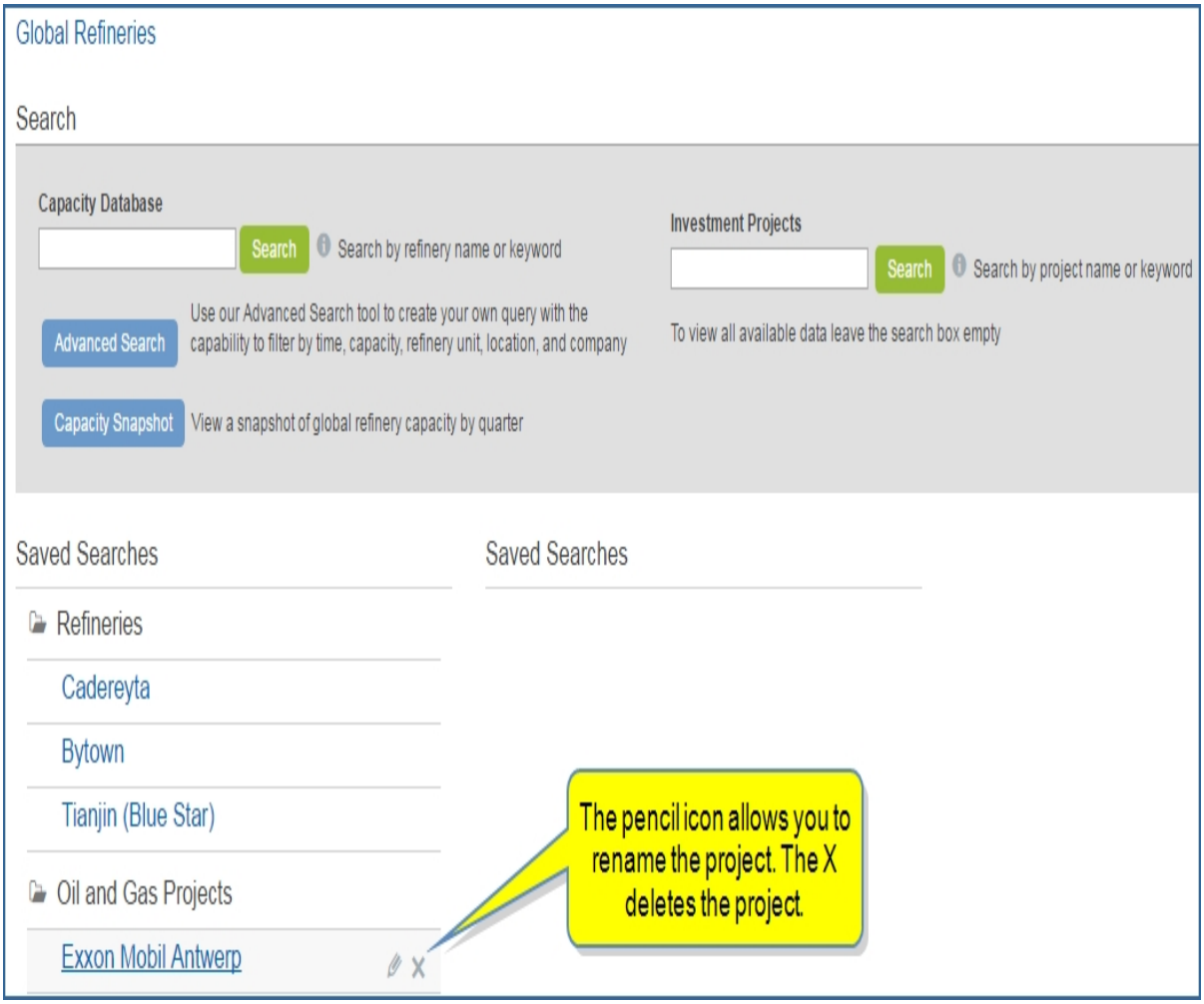
If you select the search while in My Connect, the search opens in Global Refineries on the Results page. If you want to revise your search criteria, select **Refine Criteria** in the breadcrumbs trail. You can update the search when you refine criteria, or you can save the modifications as a new search.



Deleting searches

There are two places where you can delete a Global Refineries search—on the Global Refineries primary page and on My Connect. Deleting a search from either of these location, removes the search from Global Refineries and My Connect.

To delete a saved search from the Global Refineries page, highlight the search and click the X.



To delete a search from My Connect, highlight the search and click the **X**.

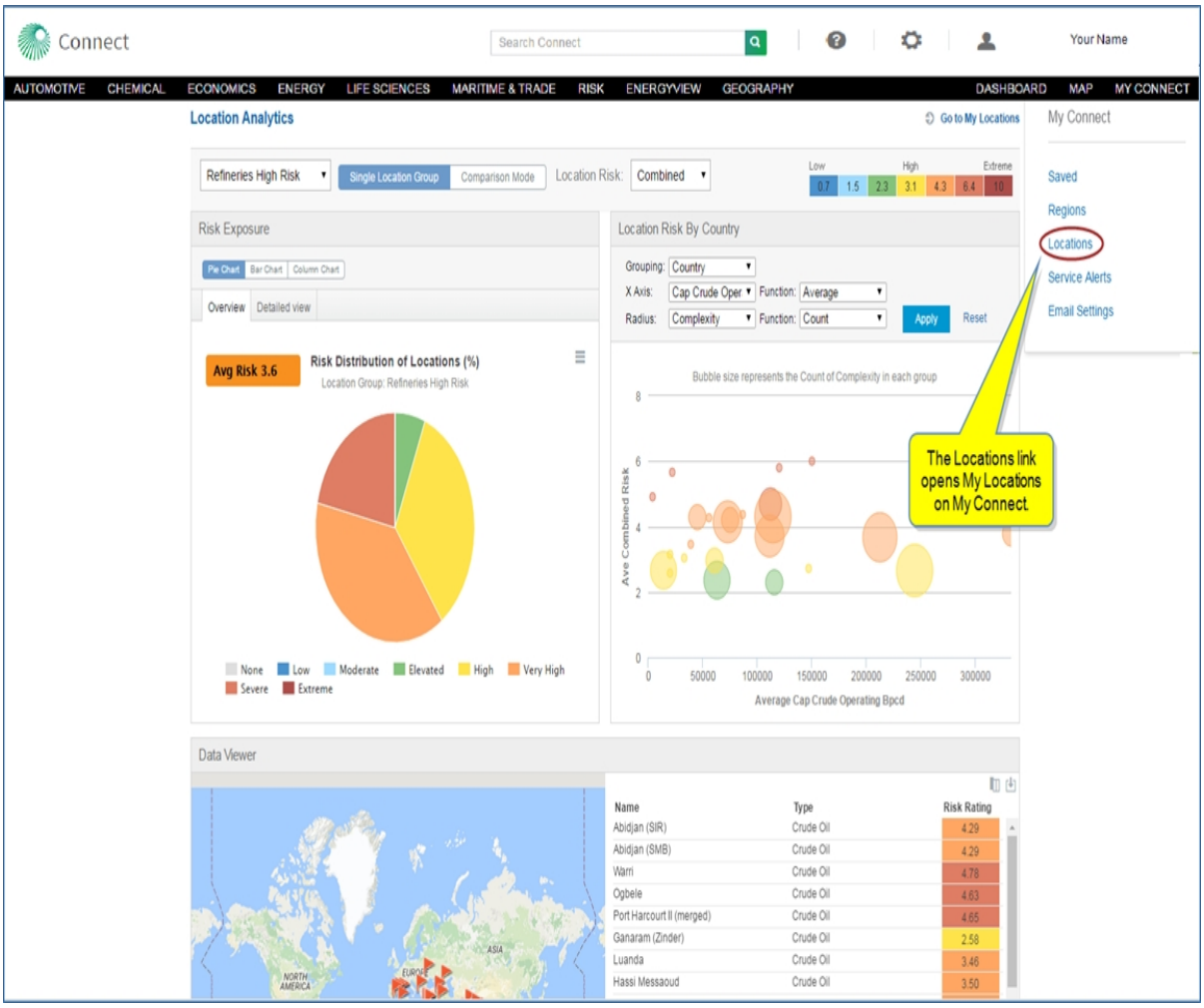
Note: If you created a new folder for the search, and you want to delete it, highlight the folder in the left pane of My Connect, and then click the **X**.

Location Analytics

Location Analytics

Location Analytics is a tool in Connect that allows you to conduct risk analysis of a portfolio of locations previously uploaded to Connect using My Locations or Search. Once you identify asset locations and save the location groups, Location Analytics provides the context to analyze and compare violent risk conditions. You can chart information, create model scenarios, and view asset locations in a context with other map characteristics and assets. Once you create sophisticated scenario models, you can save them to My Connect and add them to Report Builder.

Note: My Locations is under the My Connect menu and houses the location group files where you can manage them by adding or deleting files, editing location files in table format, exporting them to .csv format, share with other colleagues, or access the map to use My Locations with risk indicator flags and details in a geographical view. See , My Locations, and Searching in Connect for more information.



You can manipulate and view data on three modules displayed on the Location Analytics page:

- **Risk Exposure**—to chart coarse and fine grained visualization of risk distribution
- **Location Risk By Country**—for highly flexible portfolio analysis using a bubble chart
- **Data Viewer**— to visualize assets on an interactive map / table

Above the modules are selections you can make to choose a location group, employ analysis with a **Single Location Group** or compare two location groups with **Comparison Mode**, and select a **Location Risk**—**Combined**, **Civil Unrest**, **Terrorism**, or **War**.

Manipulating data on the charts

When you filter down into the charts contained in Risk Exposure, the Data Viewer module refreshes to display the sub group data. You can then, in Data Viewer, select the columns you want included in the table and save

the filtered data as a new location group.

Location Risk By Country is a bubble map. Selecting options from the drop-down filters updates the bubble view after you click **Apply**. The bubbles are color-coded to reflect risk ratings, and when you hover over one, more detailed information is displayed.

Following are some examples of selecting view options and filtering data in the Risk Exposure, Location Risk By Country, and Data Viewer modules.

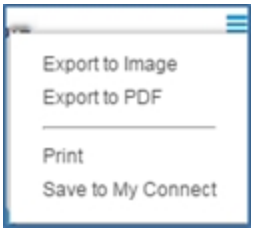
- Risk Exposure views and Data Viewer
- Using Risk Exposure and Data Viewer together
- Location Risk By Country views
- Comparison Mode

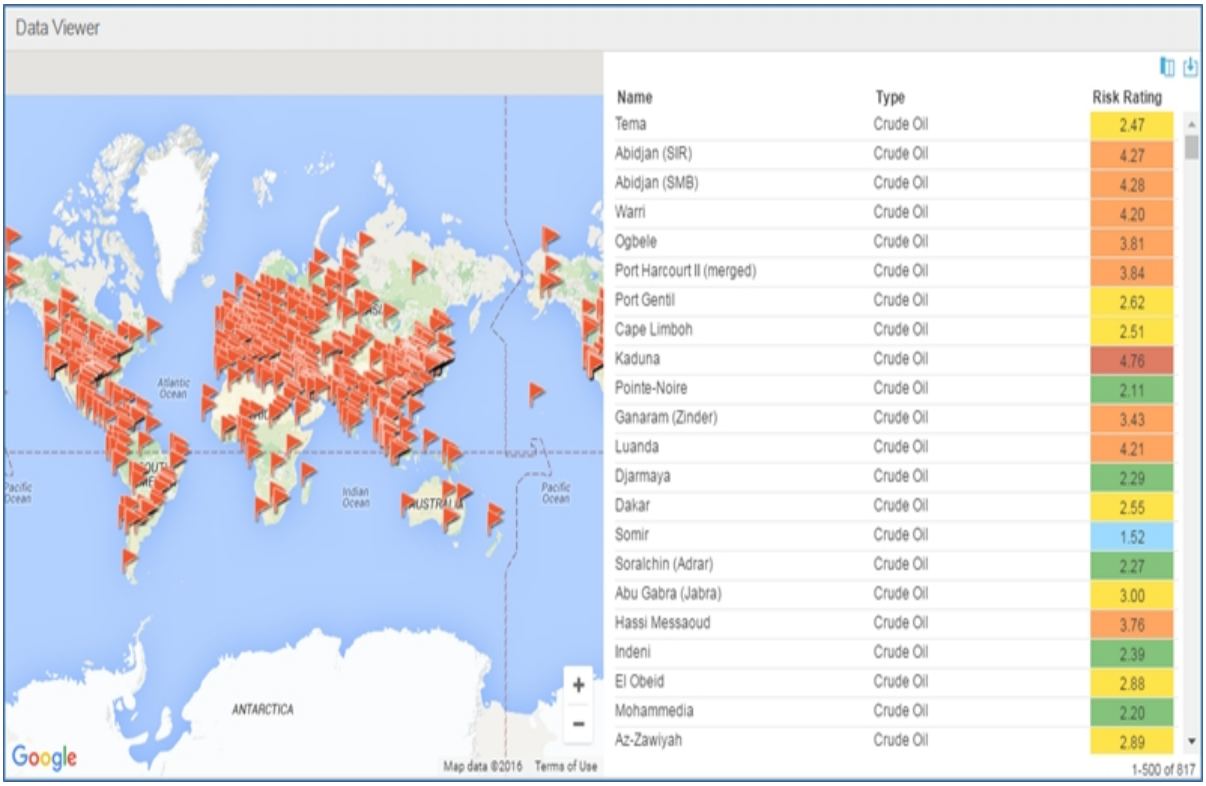
Risk Exposure views and Data Viewer

Risk Exposure provides an insightful entry point for analyzing risk distribution for the selected location group. The assets in your location group may be countries, refineries, buildings, or other assets you are tracking. In the following example, the location group is "Refineries." Reviewed as a Single Location Group for Civil Unrest

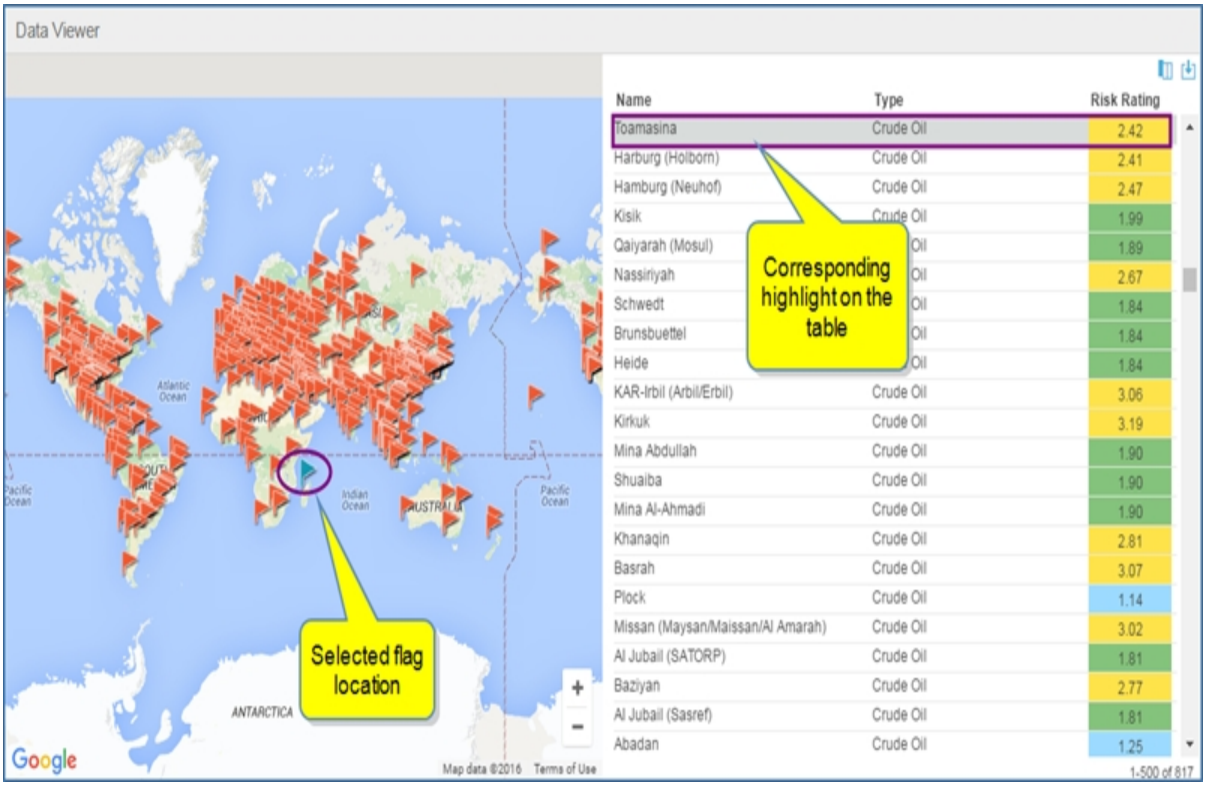
, the Pie Chart displays an Avg Risk of 1.9 and displays Low to Severe ratings in color-coded wedges of the pie. When you hover over a wedge, the percentage of the total refineries is displayed. When you click a wedge, the underlying location information for that segment is reflected in the Data Viewer map and table.

When you click the Menu bar, options to **Export to Image**, **Export to PDF**, **Print**, or **Save to My Connect** are displayed.

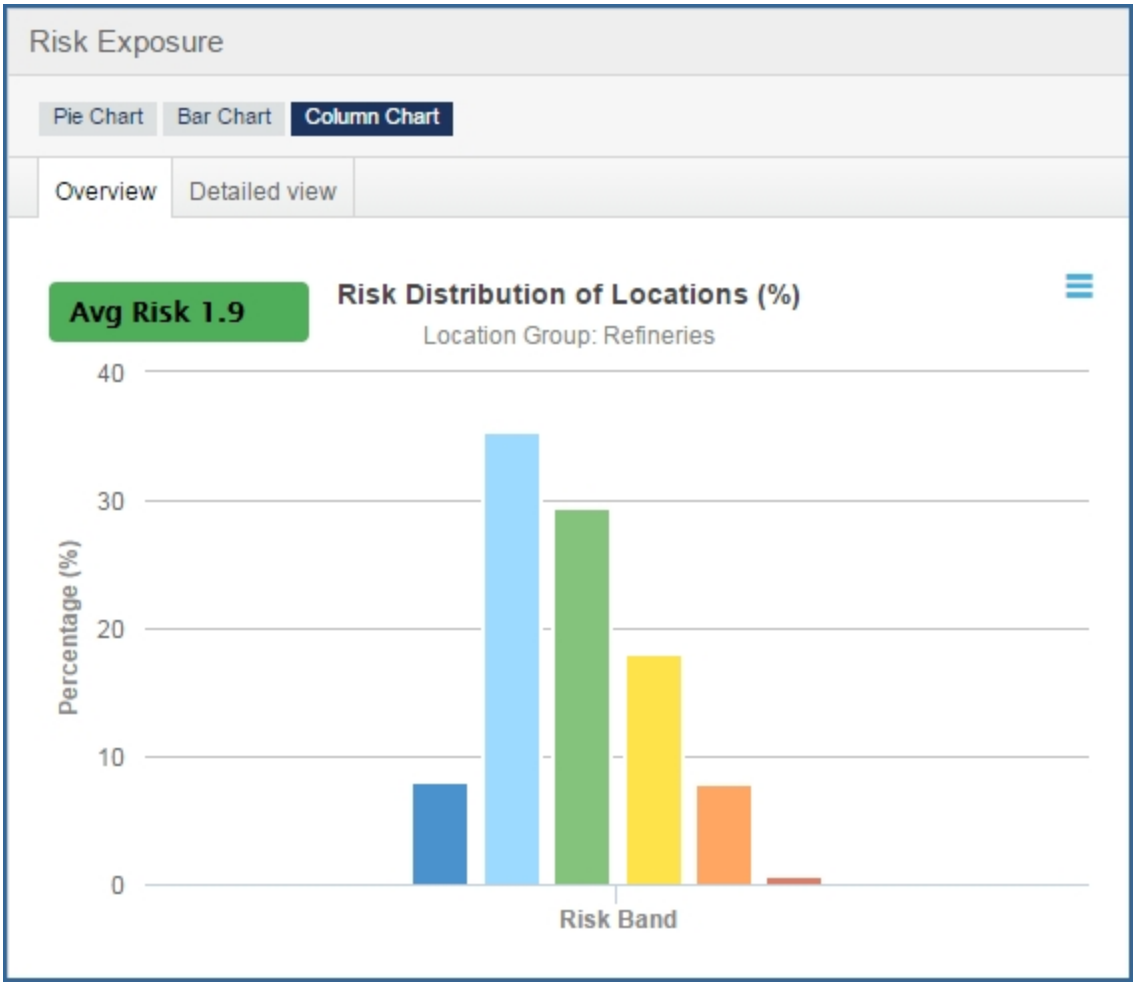




Note: When you select a location flag, the location name is highlighted on the table. Likewise, you can select a name from the table, and a blue flag reflects the location on the map.

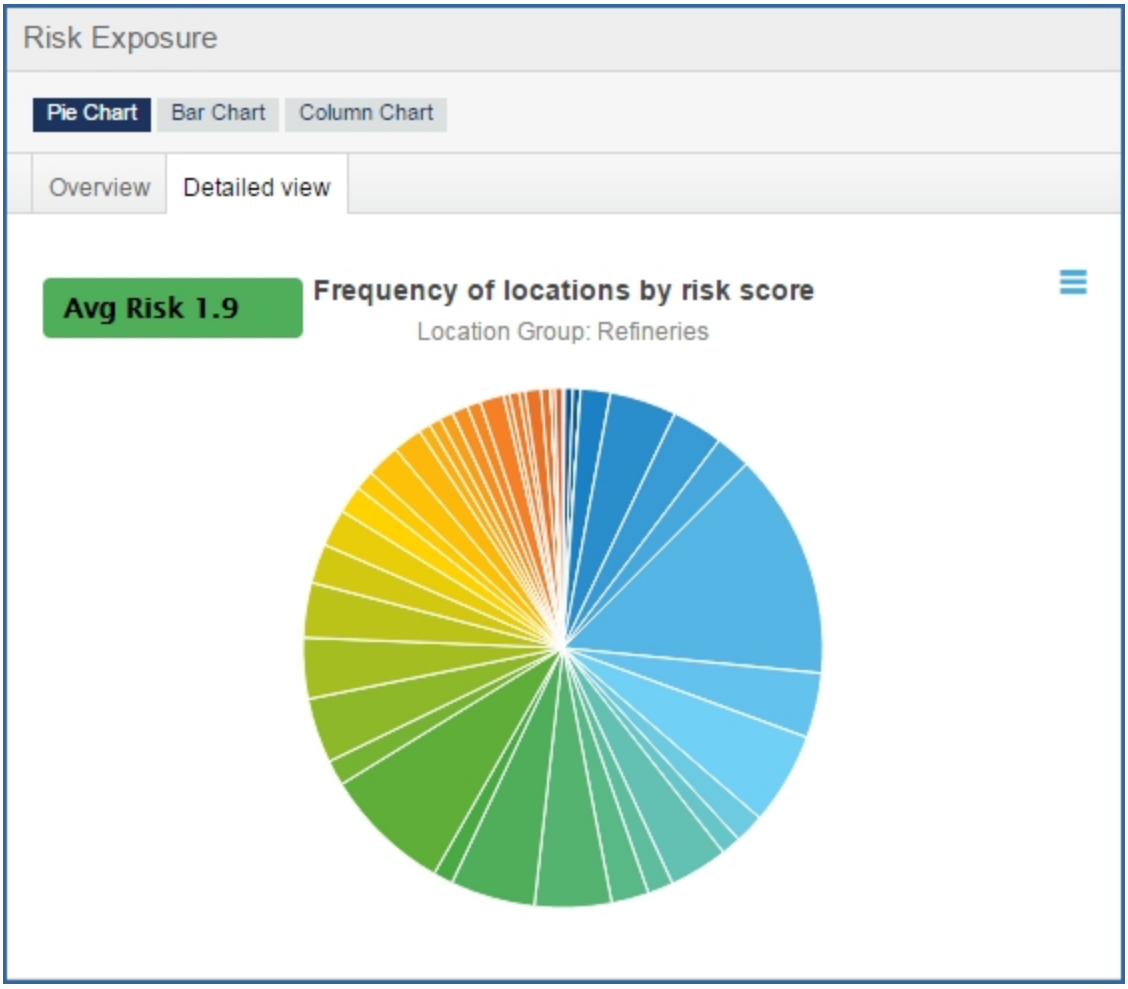


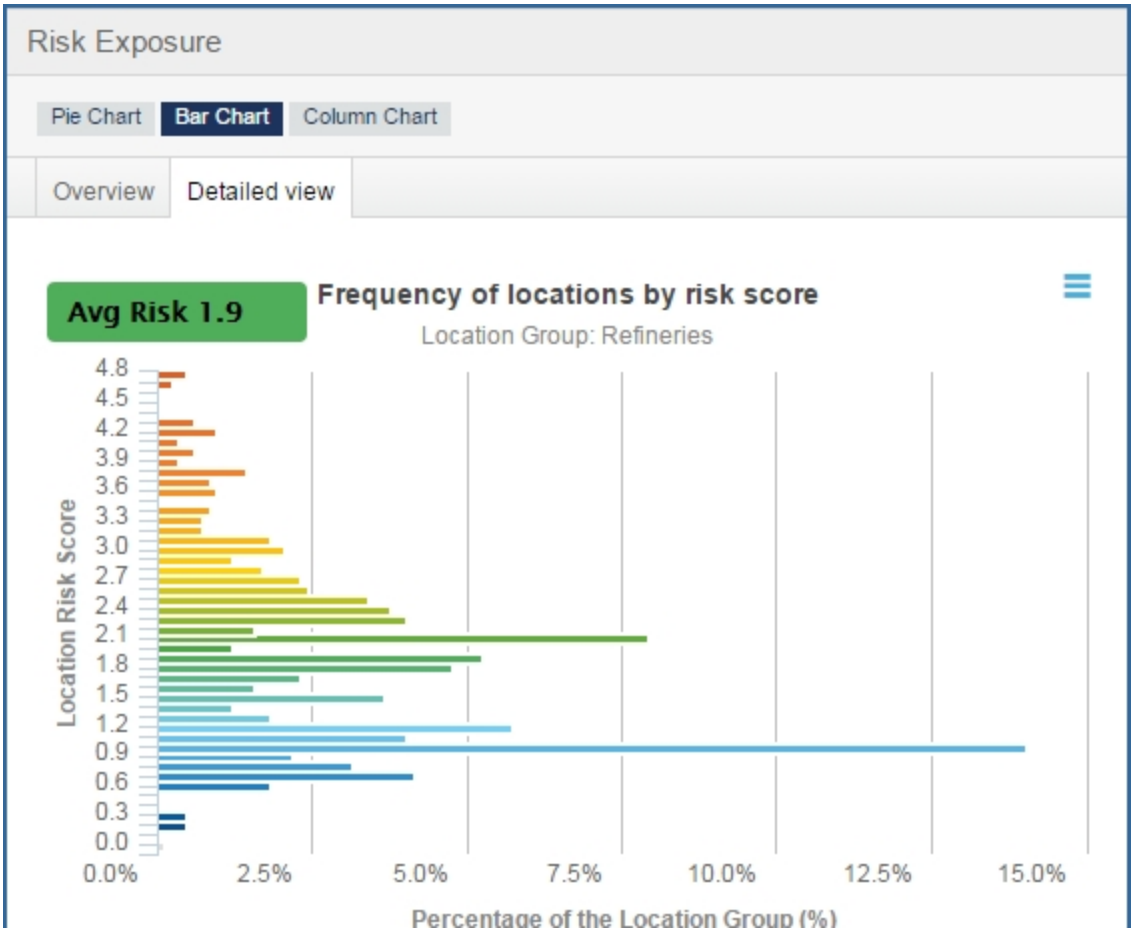
You have the option to view a Bar Chart or Column Chart.

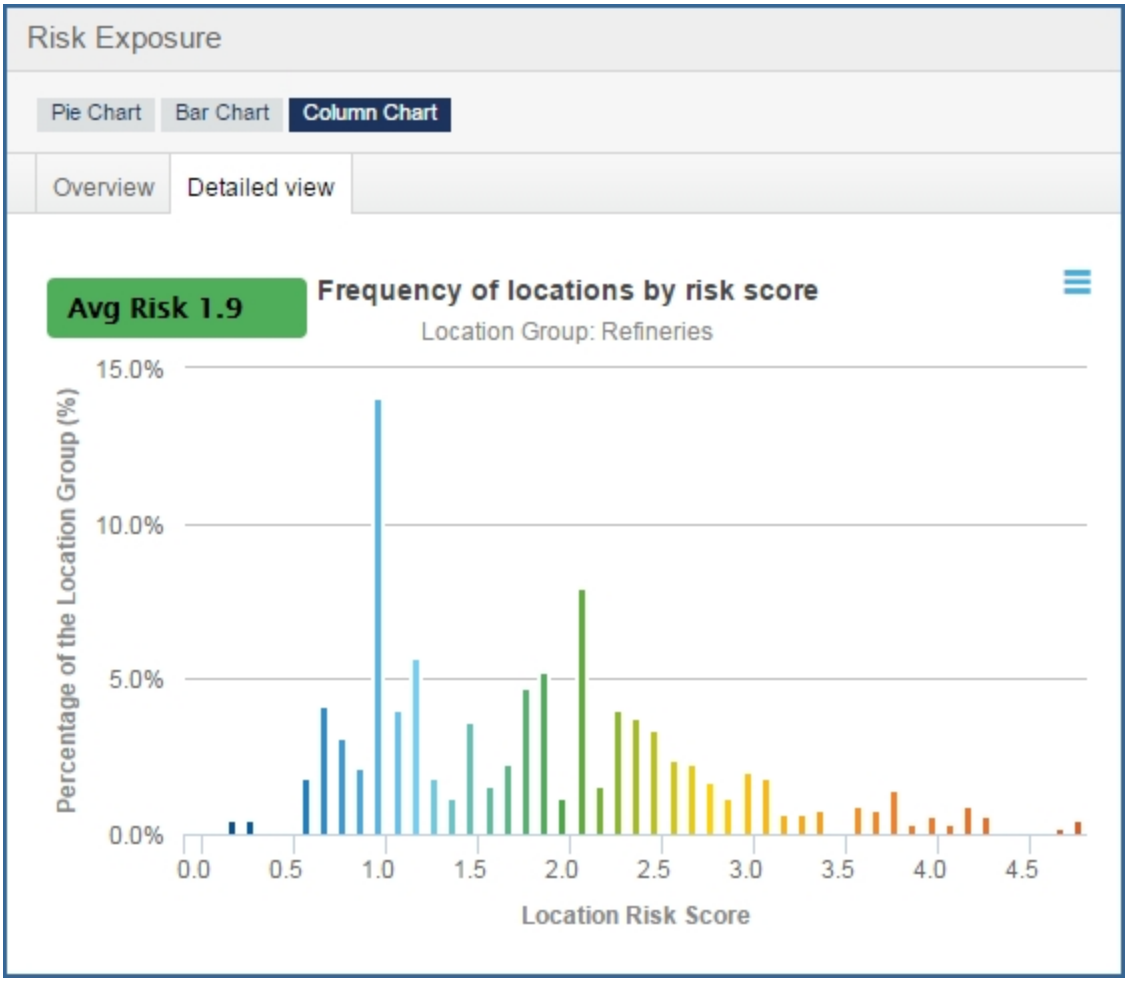

Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.9
Risk Distribution of Locations (%)
Location Group: Refineries
40
30
20
10
0
Percentage (%)
Risk Band

Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.9
Risk Distribution of Locations (%)
Location Group: Refineries
Risk Band
0
5
10
15
20
25
30
35
40
Percentage (%)

When you select the Detailed view, more segments of the pie, bar, and column charts are displayed.


Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.9
Frequency of locations by risk score
Location Group: Refineries

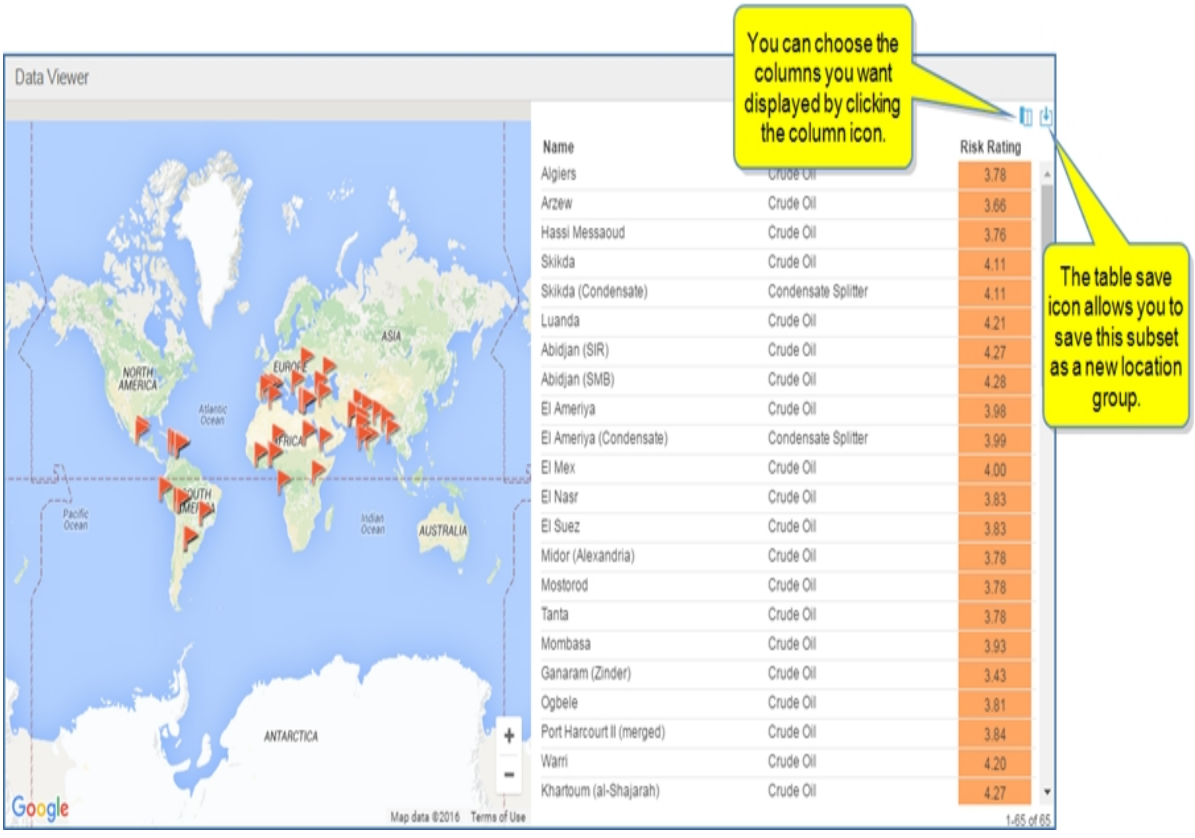

Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.9
Frequency of locations by risk score
Location Group: Refineries
Location Risk Score
4.8
4.5
4.2
3.9
3.6
3.3
3.0
2.7
2.4
2.1
1.8
1.5
1.2
0.9
0.6
0.3
0.0
0.0%
2.5%
5.0%
7.5%
10.0%
12.5%
15.0%
Percentage of the Location Group (%)



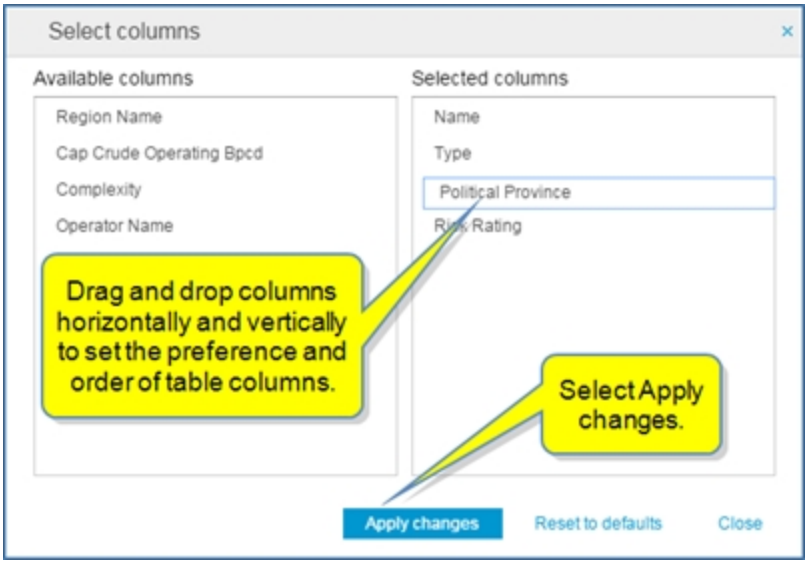
Using Risk Exposure and Data Viewer together

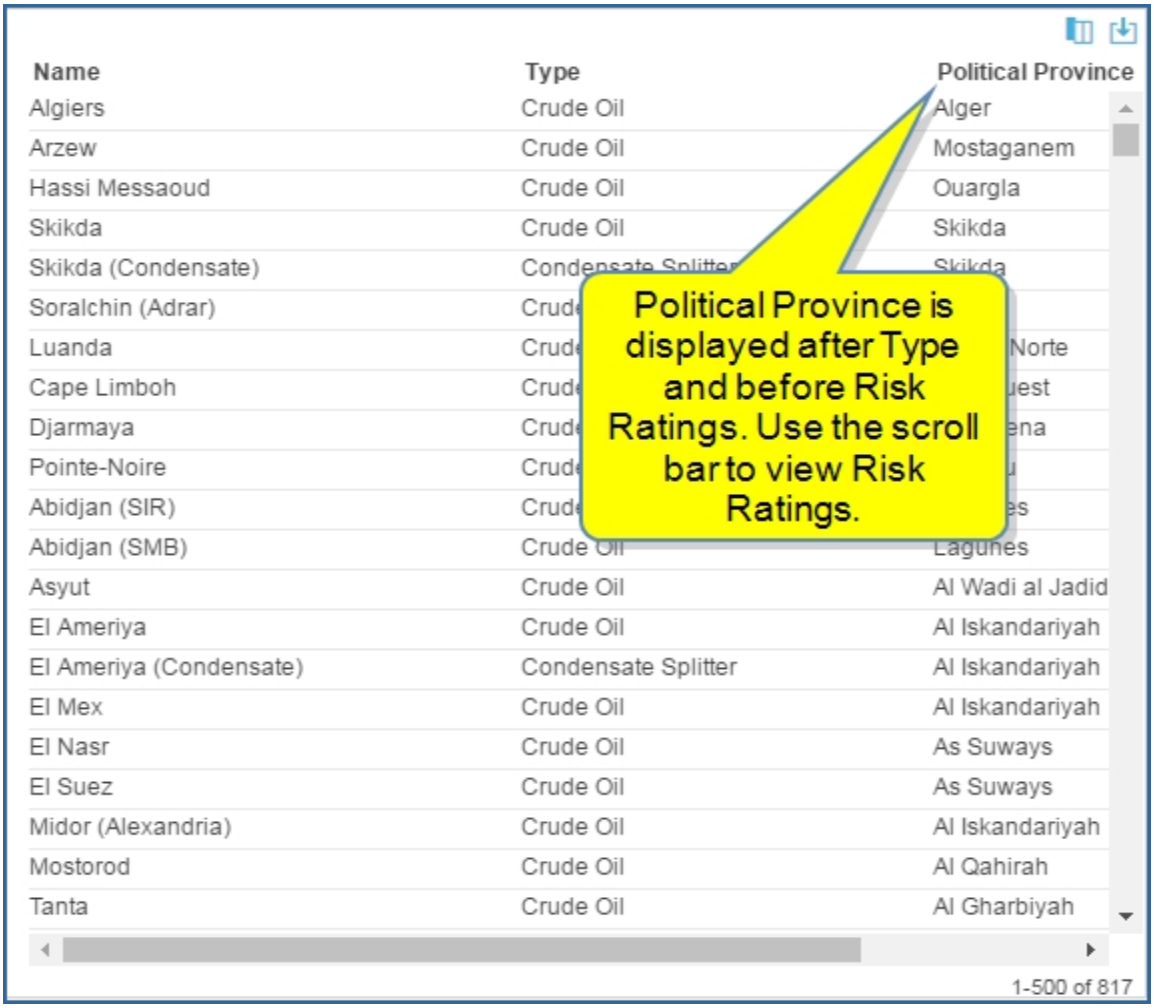
Selecting a segment of the pie, bar, or column chart refreshes the Data Viewer so the map and table display the location information for that segment.

Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.9
Risk Distribution of Locations (%)
Location Group: Refineries
None
Low
Moderate
Elevated
High
Very High
Severe
Extreme


You can choose the columns you want displayed by clicking the column icon.
The table save icon allows you to save this subset as a new location group.
Data Viewer
Name
Risk Rating
Algiers
Arzew Crude Oil 3.66
Hassi Messaoud Crude Oil 3.76
Skikda Crude Oil 4.11
Skikda (Condensate) Condensate Splitter 4.11
Luanda Crude Oil 4.21
Abidjan (SIR) Crude Oil 4.27
Abidjan (SMB) Crude Oil 4.28
El Ameriya Crude Oil 3.98
El Ameriya (Condensate) Condensate Splitter 3.99
El Mex Crude Oil 4.00
El Nasr Crude Oil 3.83
El Suez Crude Oil 3.83
Midor (Alexandria) Crude Oil 3.78
Mostorod Crude Oil 3.78
Tanta Crude Oil 3.78
Mombasa Crude Oil 3.93
Ganaram (Zinder) Crude Oil 3.43
Ogbele Crude Oil 3.81
Port Harcourt II (merged) Crude Oil 3.84
Warri Crude Oil 4.20
Khartoum (al-Shajarah) Crude Oil 4.27
1-65 of 65
NORTH AMERICA
EUROPE
ASIA
AFRICA
AUSTRALIA
ANTARCTICA
Google
Map data ©2016 Terms of Use

Select the Column icon to open ***Select columns***, drag and drop columns horizontally or vertically to establish selected columns and the order of display, and then click **Apply changes**.

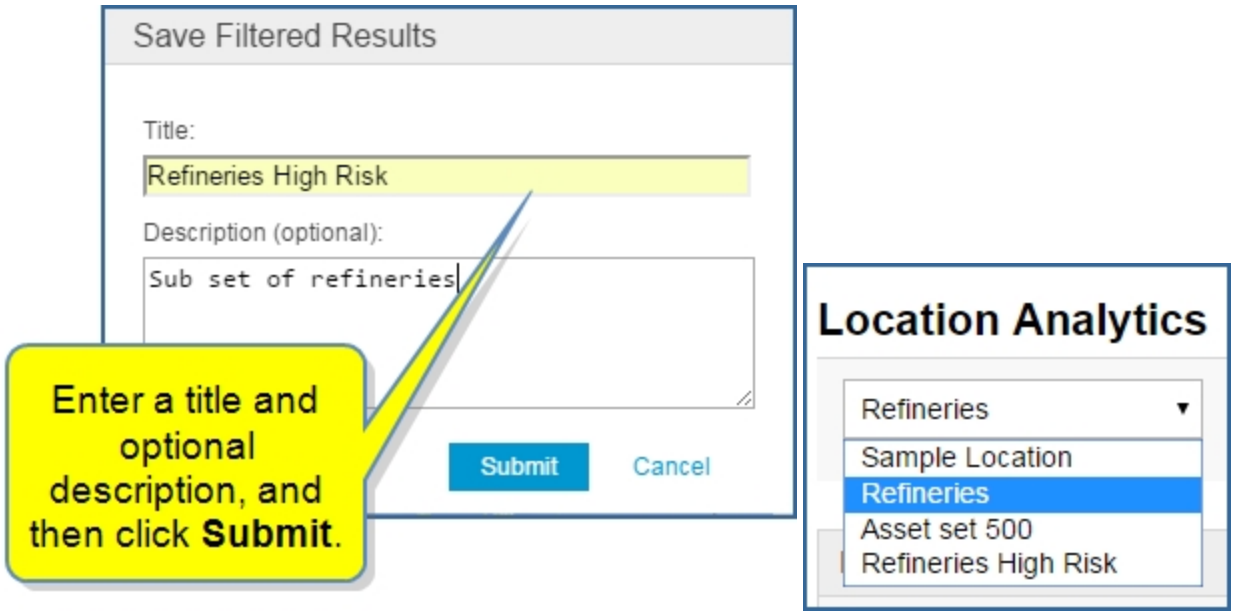

Select columns
Available columns
Region Name
Cap Crude Operating Bpcd
Complexity
Operator Name
Selected columns
Name
Type
Political Province
Risk Rating
Drag and drop columns horizontally and vertically to set the preference and order of table columns.
Select Apply changes.
Apply changes
Reset to defaults
Close

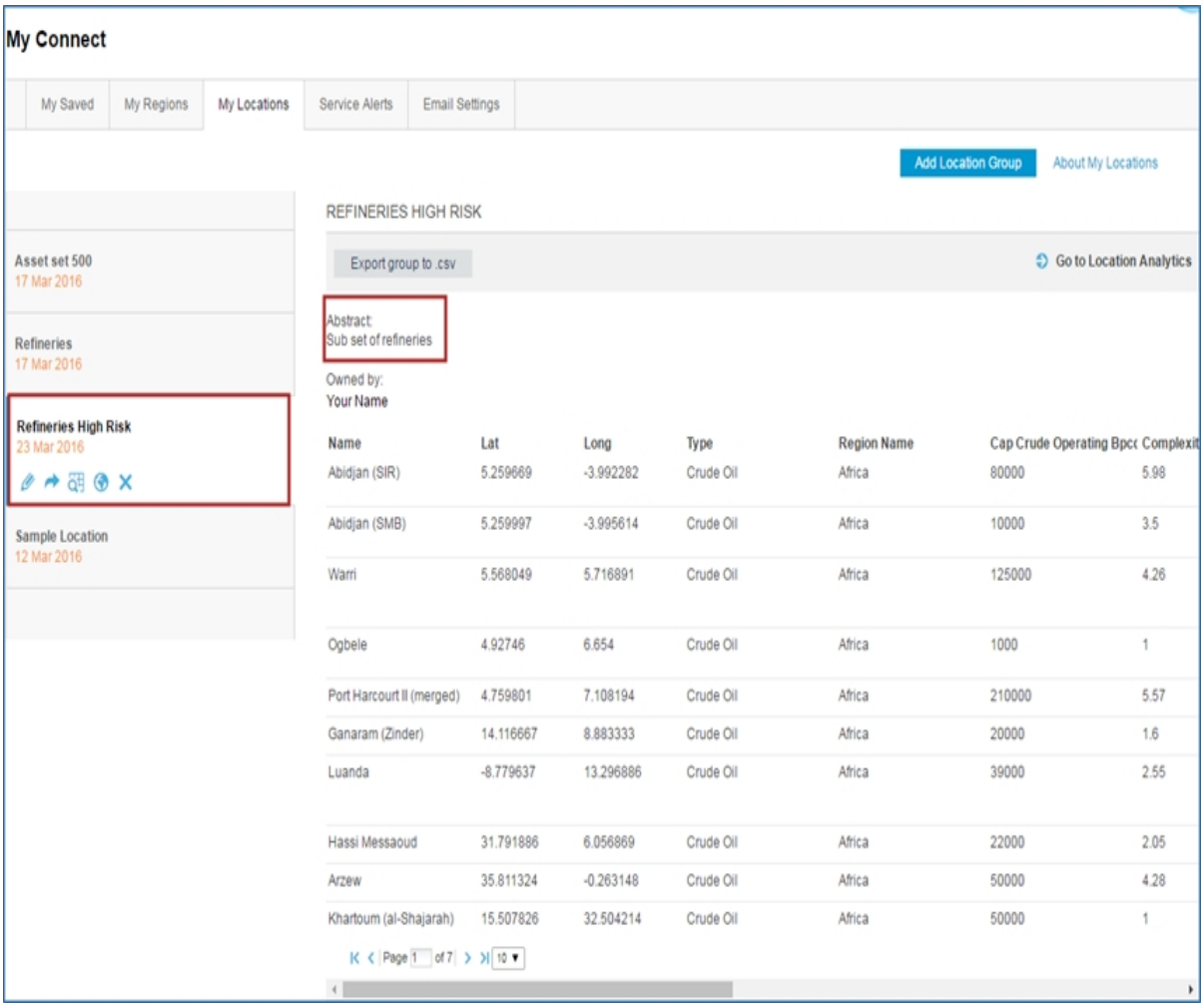

Name
Type
Political Province
Algiers Crude Oil Alger
Arzew Crude Oil Mostaganem
Hassi Messaoud Crude Oil Ouargla
Skikda Crude Oil Skikda
Political Province is displayed after Type and before Risk Ratings. Use the scroll bar to view Risk Ratings.
Abidjan (SMB) Crude Oil Lagunes
Asyut Crude Oil Al Wadi al Jadid
El Ameriya Crude Oil Al Iskandariyah
El Ameriya (Condensate) Condensate Splitter Al Iskandariyah
El Mex Crude Oil Al Iskandariyah
El Nasr Crude Oil As Suways
El Suez Crude Oil As Suways
Midor (Alexandria) Crude Oil Al Iskandariyah
Mostorod Crude Oil Al Qahirah
Tanta Crude Oil Al Gharbiyah
1-500 of 817

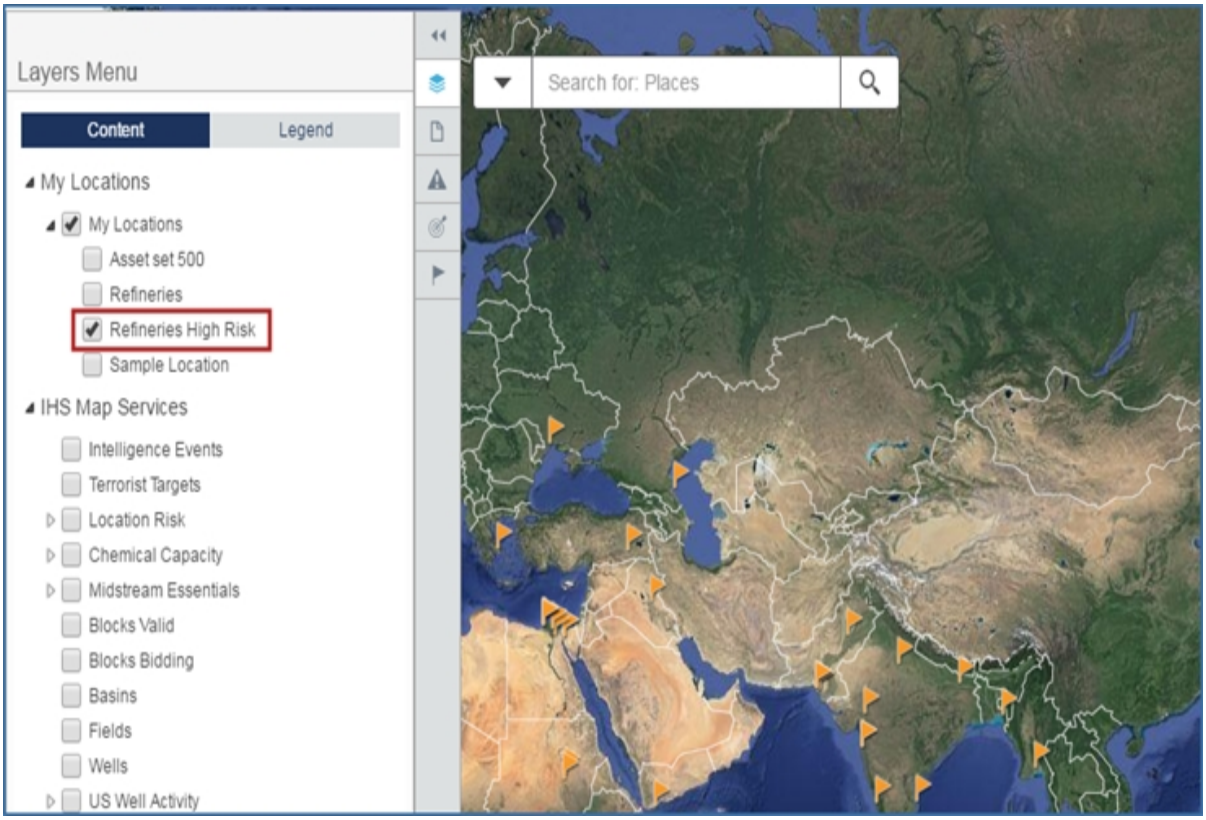
Type
Political Province
Risk Rating
Crude Oil Alger 3.78
Crude Oil Mostaganem 3.66
Crude Oil Ouargla 3.76
Crude Oil Skikda 4.11
Condensate Splitter Skikda 4.11
Crude Oil Adrar 2.27

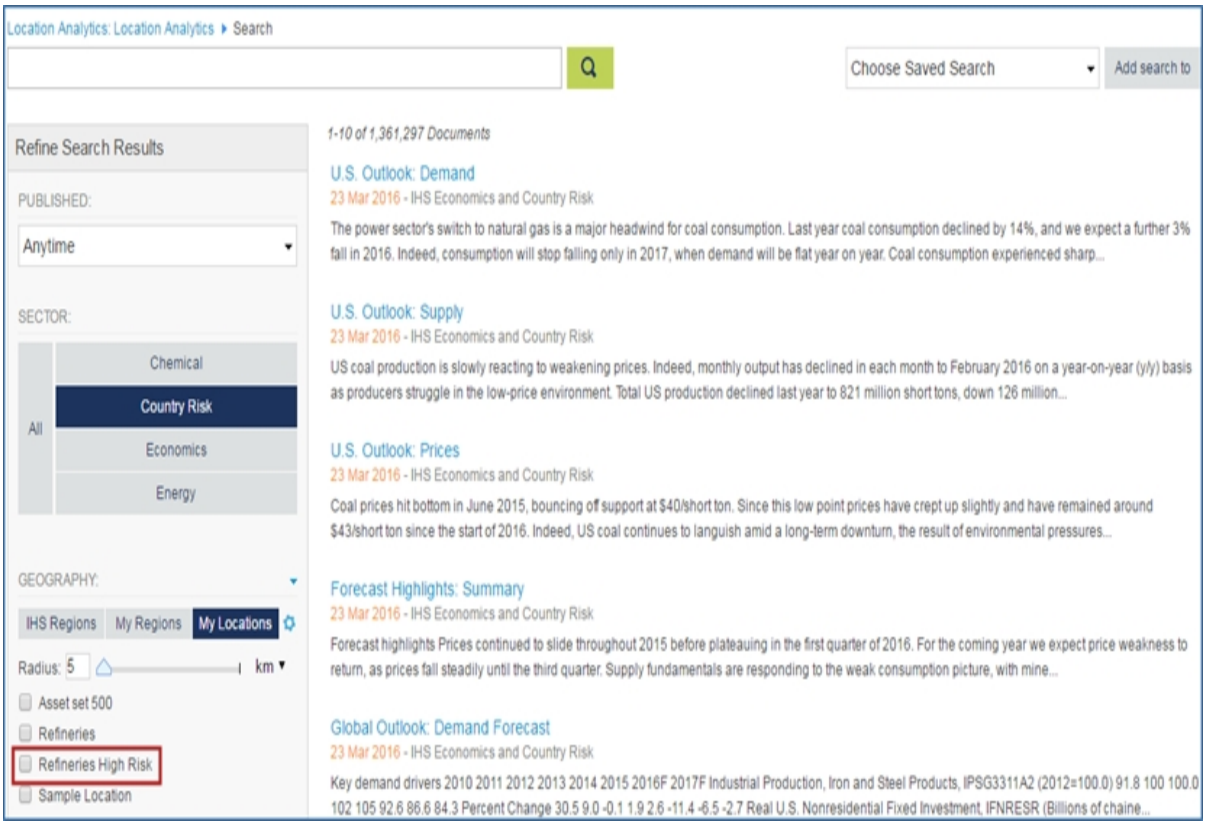
Select the table save icon to save the subset as a new location group. The Save Filtered Results dialog opens. Enter a title and optional description, and then click **Submit**.

The new location group now appears in the Location Analytics drop down, My Connect, My Locations, Map, and Search.






Layers Menu
Content
Legend
My Locations
My Locations
Asset set 500
Refineries
Refineries High Risk
Sample Location
IHS Map Services
Intelligence Events
Terrorist Targets
Location Risk
Chemical Capacity
Midstream Essentials
Blocks Valid
Blocks Bidding
Basins
Fields
Wells
US Well Activity
Search for: Places

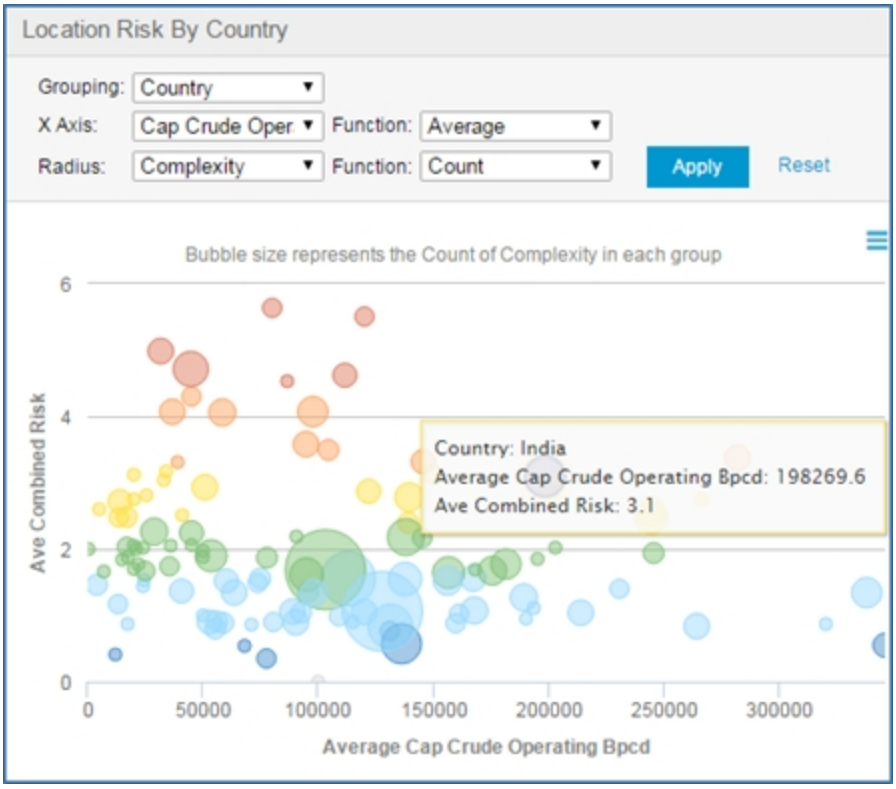

Location Analytics: Location Analytics ▸ Search
Choose Saved Search
Add search to
Refine Search Results
PUBLISHED:
Anytime
SECTOR:
All
Chemical
Country Risk
Economics
Energy
GEOGRAPHY:
IHS Regions
My Regions
My Locations
Radius: 5
km
Asset set 500
Refineries
Refineries High Risk
Sample Location
1-10 of 1,361,297 Documents
U.S. Outlook: Demand
23 Mar 2016 - IHS Economics and Country Risk
The power sector's switch to natural gas is a major headwind for coal consumption. Last year coal consumption declined by 14%, and we expect a further 3% fall in 2016. Indeed, consumption will stop falling only in 2017, when demand will be flat year on year. Coal consumption experienced sharp...
U.S. Outlook: Supply
23 Mar 2016 - IHS Economics and Country Risk
US coal production is slowly reacting to weakening prices. Indeed, monthly output has declined in each month to February 2016 on a year-on-year (y/y) basis as producers struggle in the low-price environment. Total US production declined last year to 821 million short tons, down 126 million...
U.S. Outlook: Prices
23 Mar 2016 - IHS Economics and Country Risk
Coal prices hit bottom in June 2015, bouncing off support at $40/short ton. Since this low point prices have crept up slightly and have remained around $43/short ton since the start of 2016. Indeed, US coal continues to languish amid a long-term downturn, the result of environmental pressures...
Forecast Highlights: Summary
23 Mar 2016 - IHS Economics and Country Risk
Forecast highlights Prices continued to slide throughout 2015 before plateauing in the first quarter of 2016. For the coming year we expect price weakness to return, as prices fall steadily until the third quarter. Supply fundamentals are responding to the weak consumption picture, with mine...
Global Outlook: Demand Forecast
23 Mar 2016 - IHS Economics and Country Risk
Key demand drivers 2010 2011 2012 2013 2014 2015 2016F 2017F Industrial Production, Iron and Steel Products, IPSG3311A2 (2012=100.0) 91.8 100 100.0 102 105 92.6 86.6 84.3 Percent Change 30.5 9.0 -0.1 1.9 2.6 -11.4 -6.5 -2.7 Real U.S. Nonresidential Fixed Investment, IFNRESR (Billions of chaine...

Location Risk By Country views

The drop-down menus on the Location Risk By Country module allow you to filter results on the bubble map. Options reflect your selected Location Group file. The following continue the "Refineries" example.

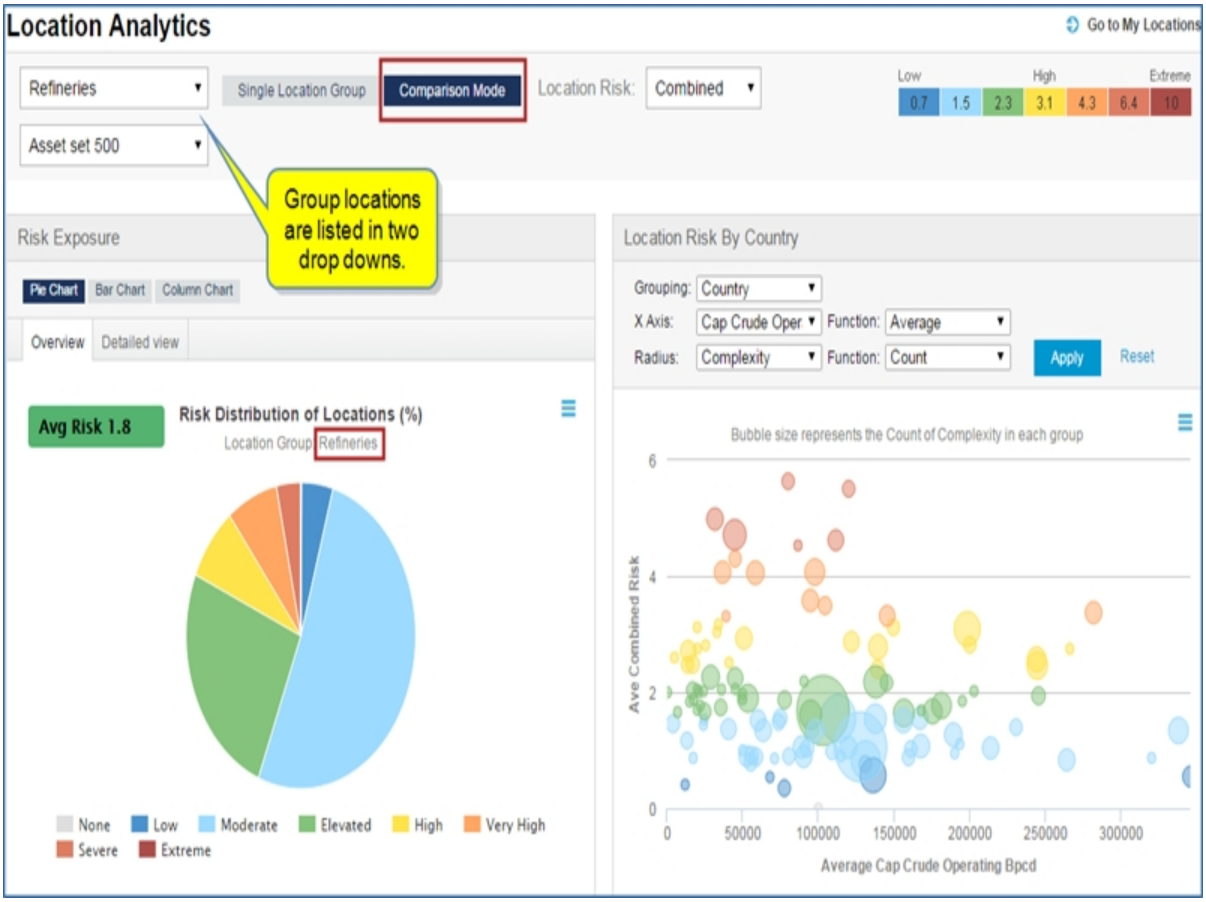
- Grouping choices are Country, Type, Region Name, Political Province, and Operator Name
- X Axis choices are Location County, Cap Crude Operating Bpcd, and Complexity
- Radius choices are Location County, Fixed, Cap Crude Operating Bpcd
- Function drop down choices are Average, County, Max, Median, Min, Standard Deviation, and Sum

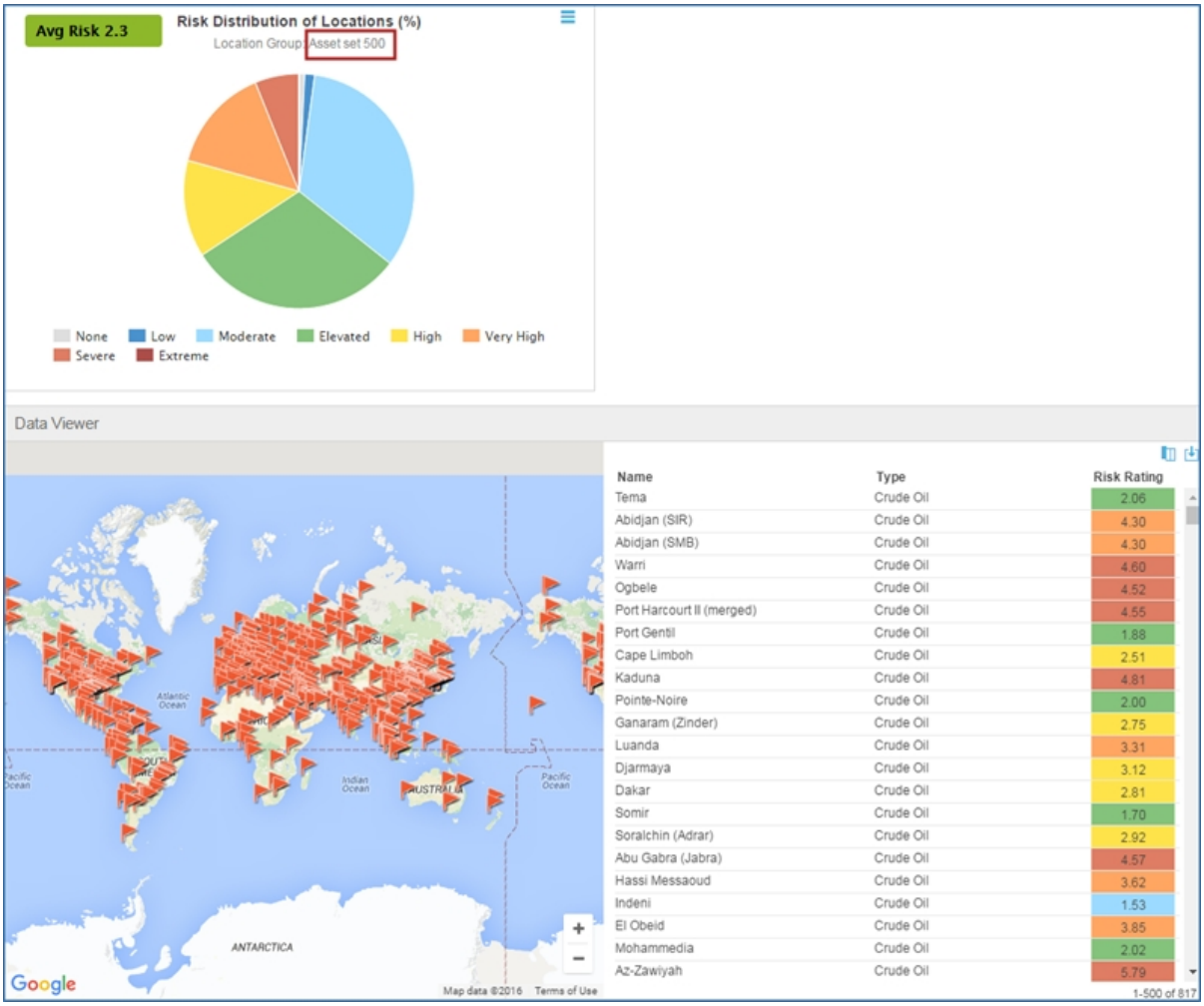
Once you select filters, click **Apply**. The chart refreshes and you can hover over the bubbles for more detailed information.



Comparison Mode

When you select Comparison Mode, you can select two location groups and view results for both in Risk Exposure and Data Viewer.


Location Analytics
Go to My Locations
Refineries
Single Location Group
Comparison Mode
Location Risk:
Combined
Low
High
Extreme
0.7
1.5
2.3
3.1
4.3
6.4
10
Asset set 500
Group locations are listed in two drop downs.
Risk Exposure
Pie Chart
Bar Chart
Column Chart
Overview
Detailed view
Avg Risk 1.8
Risk Distribution of Locations (%)
Location Group Refineries
None
Low
Moderate
Elevated
High
Very High
Severe
Extreme
Location Risk By Country
Grouping: Country
X Axis: Cap Crude Oper
Function: Average
Radius: Complexity
Function: Count
Apply
Reset
Bubble size represents the Count of Complexity in each group
Ave Combined Risk
0
2
4
6
0
50000
100000
150000
200000
250000
300000
Average Cap Crude Operating Bpcd

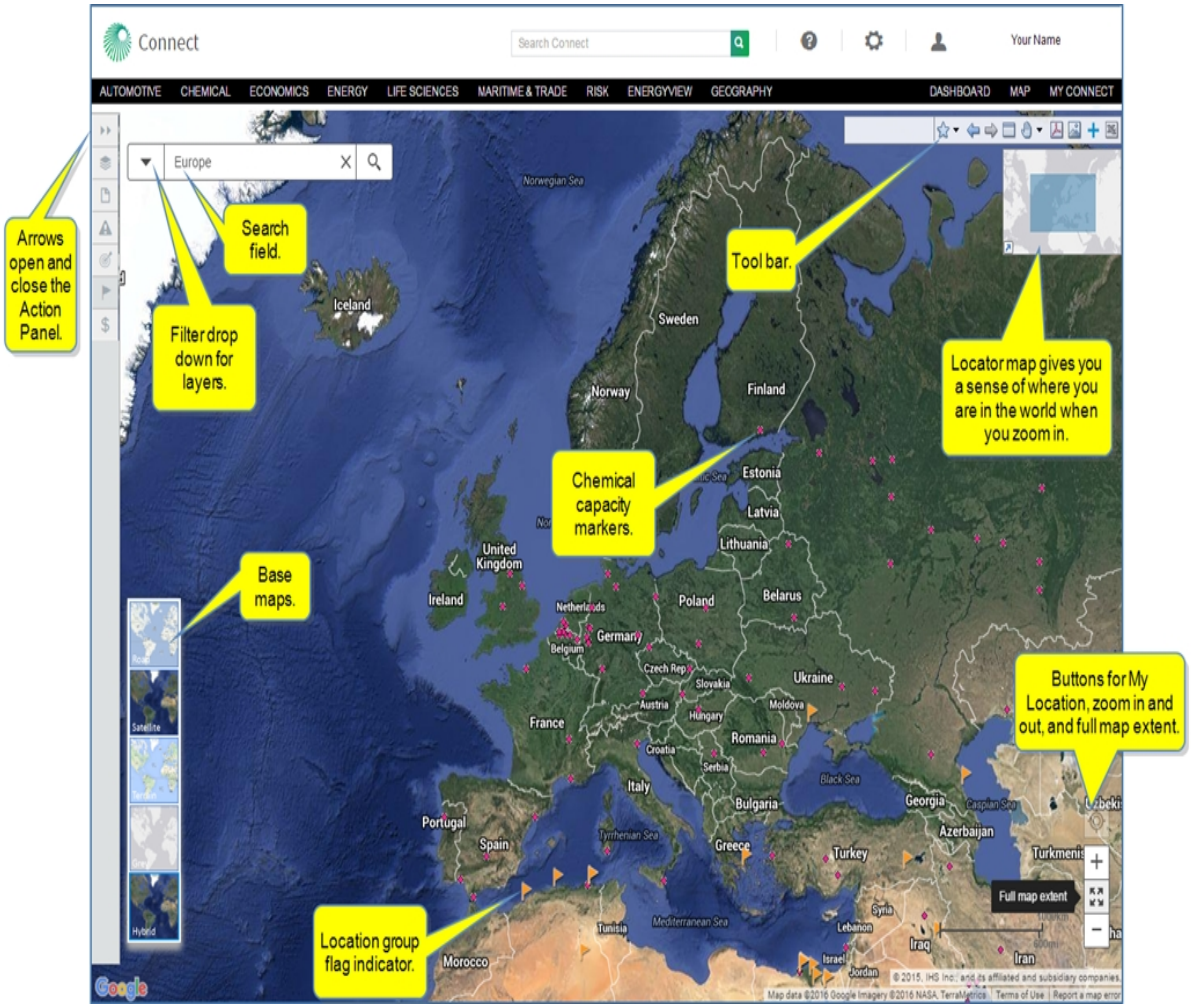


Map

Working with the Map

The map provides a visual way to search for, review, and analyze information from the Chemical, Country Risk and Energy domains in a geographical context. You can search by location, key word, and / or any map layer.

In the following map example, we have searched for Europe. The Action Panel is closed. The base maps are displayed in the lower left. My location and map extent with zoom appear in the lower right. The tool bar and locator map are in the upper right. Flags indicate a location group risk, and dark pink markers indicate chemical capacity markers. (With My Locations selected, the time slider is not displayed at the bottom of the map.)



Details for using the map features

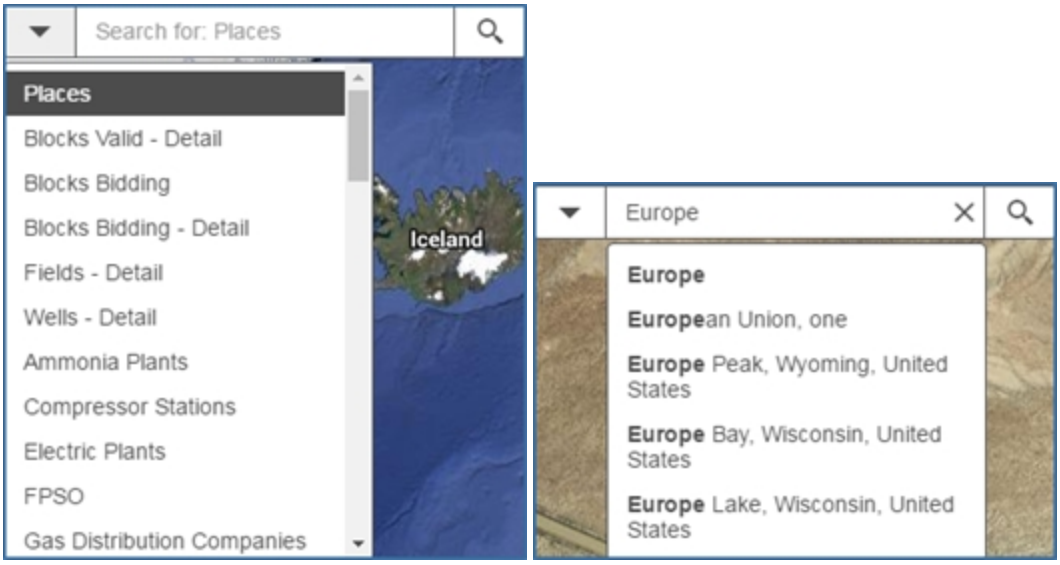
The map contains several features for enhanced display and search capability. The paragraphs that follow provide more details about the features.

- Searching the Map
- The Layers Menu
- Research and Analysis
- Intelligence Events
- Terrorist Targets
- My Locations
- M and A Transactions
- Tool Bar and Locator Map
- Identify Mode
- Base Map
- Find my location, Zoom, and Full map extent

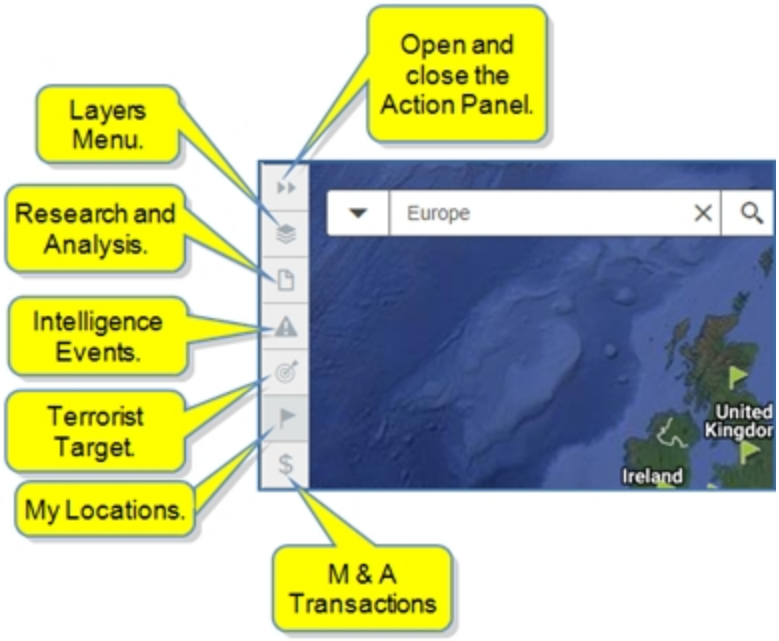
Searching the Map

Use **Search for: Places** to enter a geographic location, company, or other keyword you want to locate on the map. The auto search gives you specific choices.

The drop-down list contains filters available per your subscription and can be used on the map and in conjunction with other choices from the Layers Menu.



The Action Panel has five windows with an icon displayed on the Action Panel for easy selection.

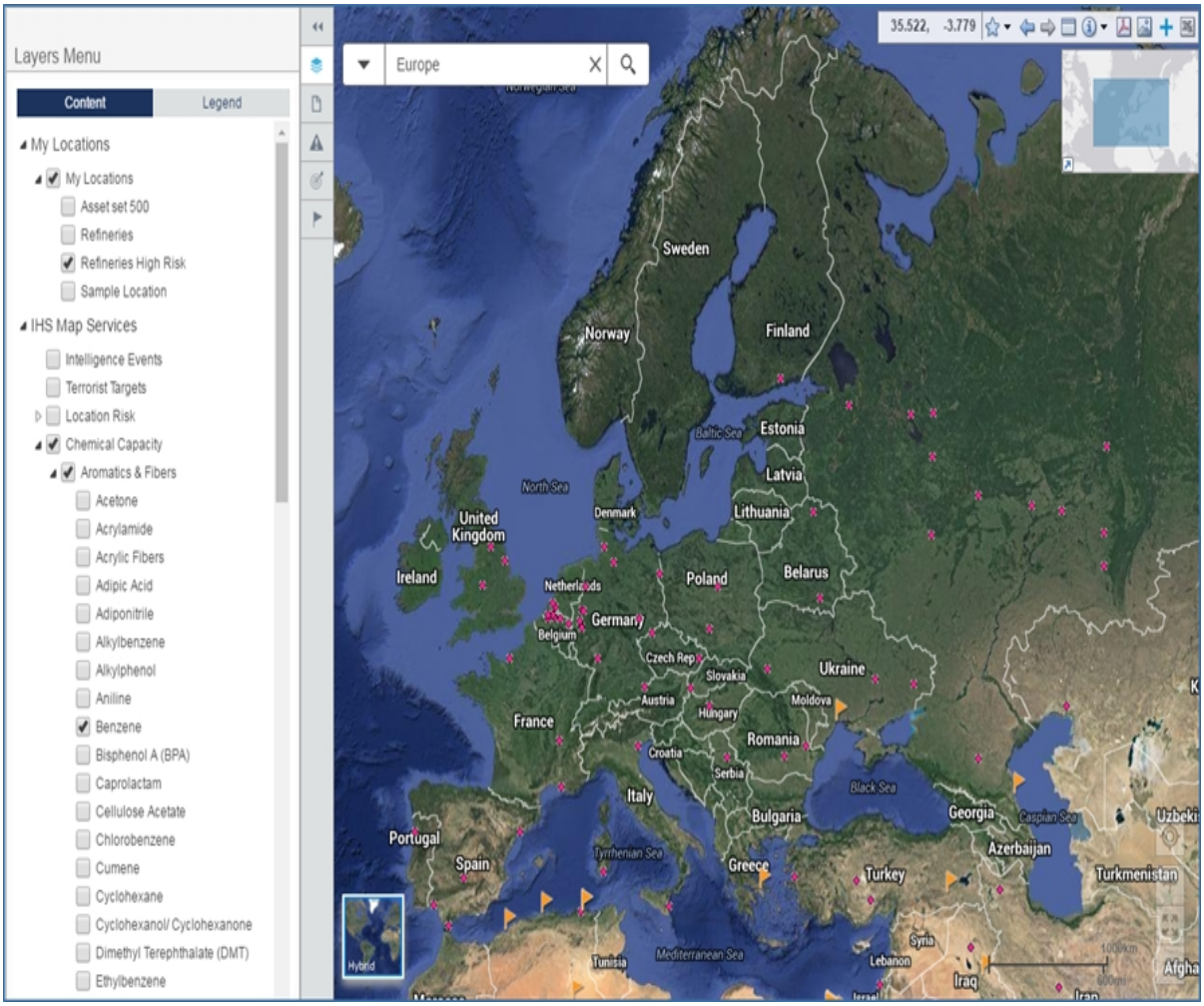


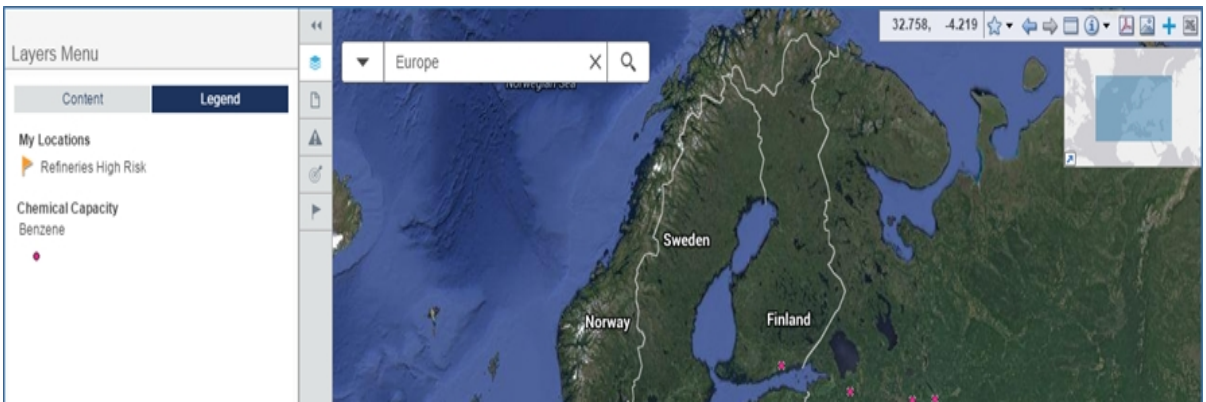
The Layers Menu

When you open the Action Panel, the Layers Menu becomes available, or you can select the Layers Menu with the icon. Check the content you want displayed on the map and view the Legend for the content indicators. In the Europe example, the layers content shows a location for Refineries High Risk and a Chemical Capacity for the chemical Benzene.

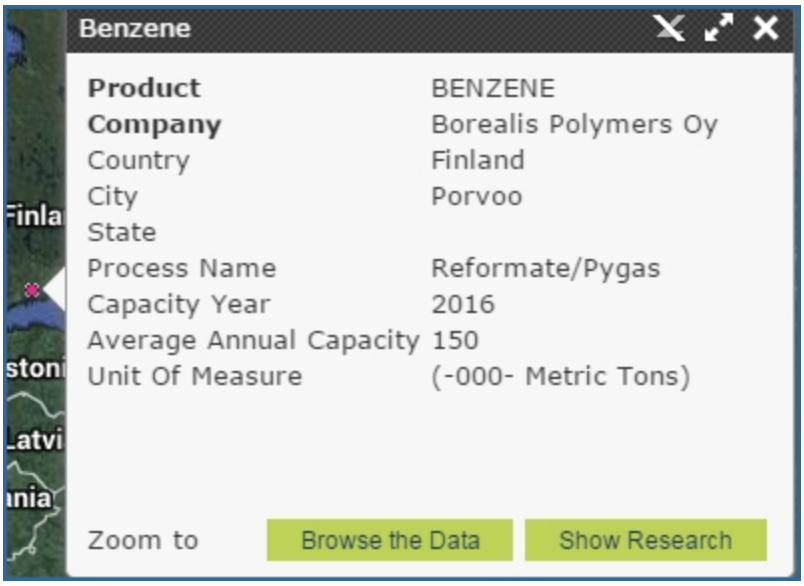
Note: The buttons and panels they open in the Action Panel are determined by your entitlements. For example, if you do not have access to Intelligence Events, you will not see the panel warning / button for Intelligence Events. In addition, if you have not uploaded location .csv files to My Locations, you will not see the My Locations flag / button.

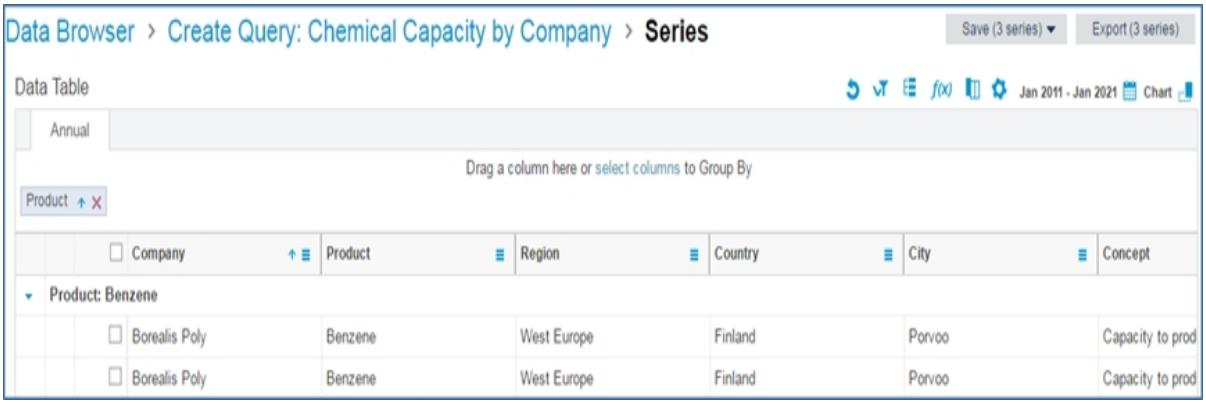
Selecting Legends displays the icons used on the map for your layers selections. For Refineries High Risk location, the icon is an orange flag. For the Chemical Capacity Benzene, the icon is a dark pink circle.

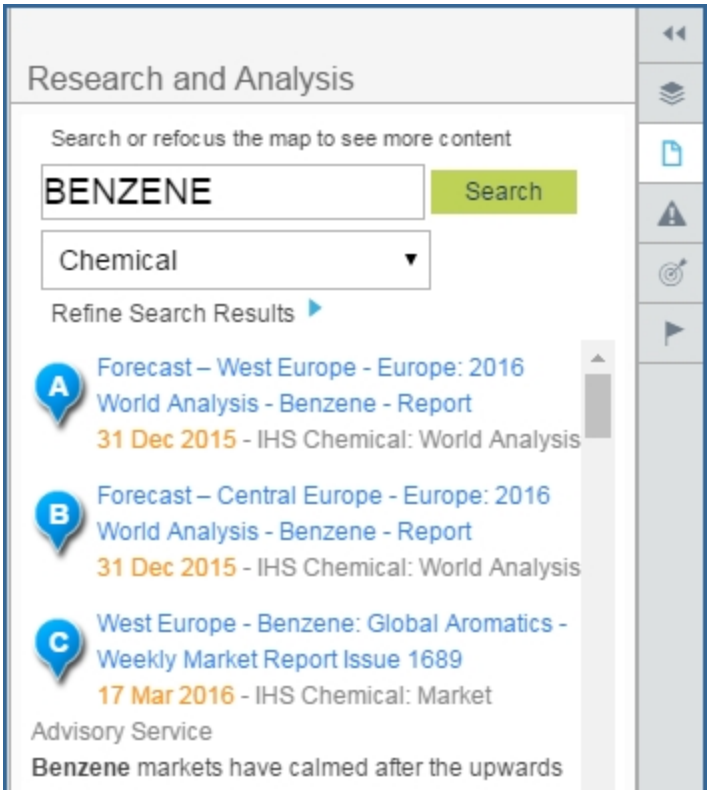




Clicking a chemical marker, opens details about the chemical at that location. Selecting Browse the Data takes you to the Data Browser tool. Selecting Show Research displays the Research and Analysis information for this marker location.



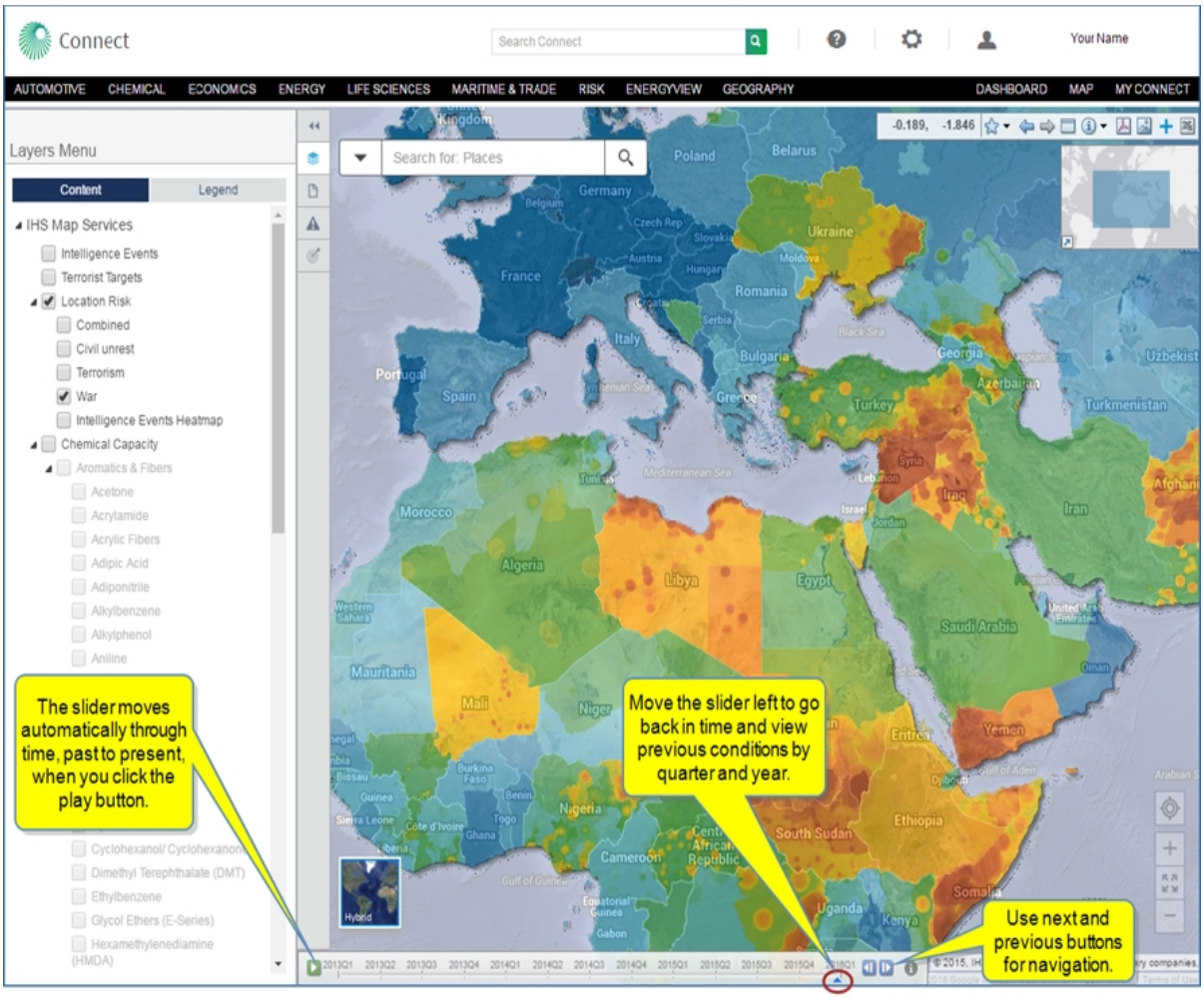




Location Risk

When you select Location Risk, the following sub selections are available: Combined, Civil unrest, Terrorism, War, and Intelligence Events Heatmap. You can select one of these sub categories at a time. However, other layer selections such as Chemical Capacity and Midstream Essentials allow further selection of multiple sub selections.

The Location Risk / War selection displays a colored map that visually identifies extreme risk for war (red) to low risk (dark blue). Use the plus and minus signs to zoom in or out. Drag the map with the mouse to move it horizontally or vertically.



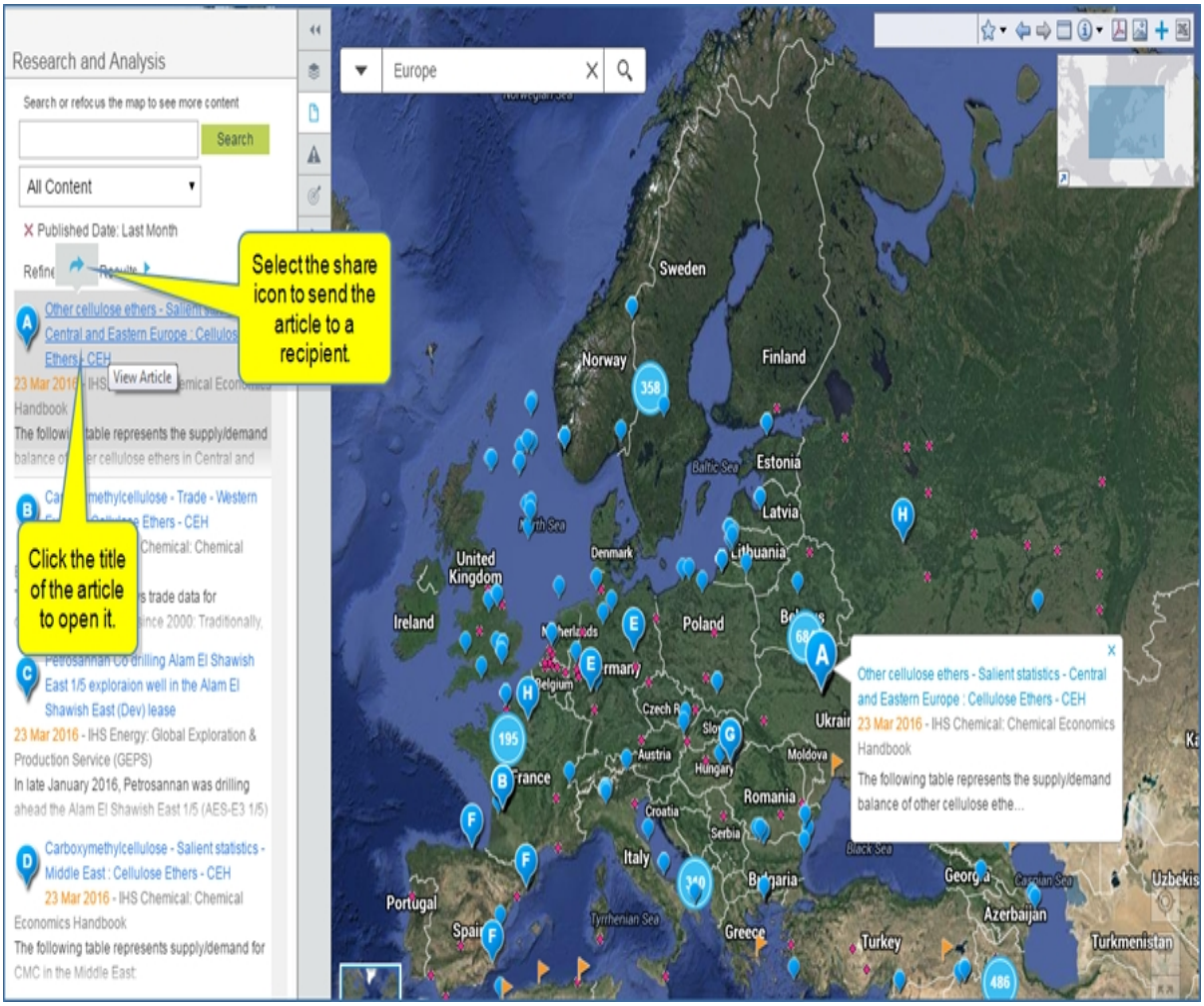
Note that the slider is available in all the sub selections for Location Risk with the exception of the Intelligence Events Heatmap.

When you click a country, a Political Violence Score is displayed. The following example displays scores for Syria.

Note: Your subscription determines what layers are available to you.

Research and Analysis

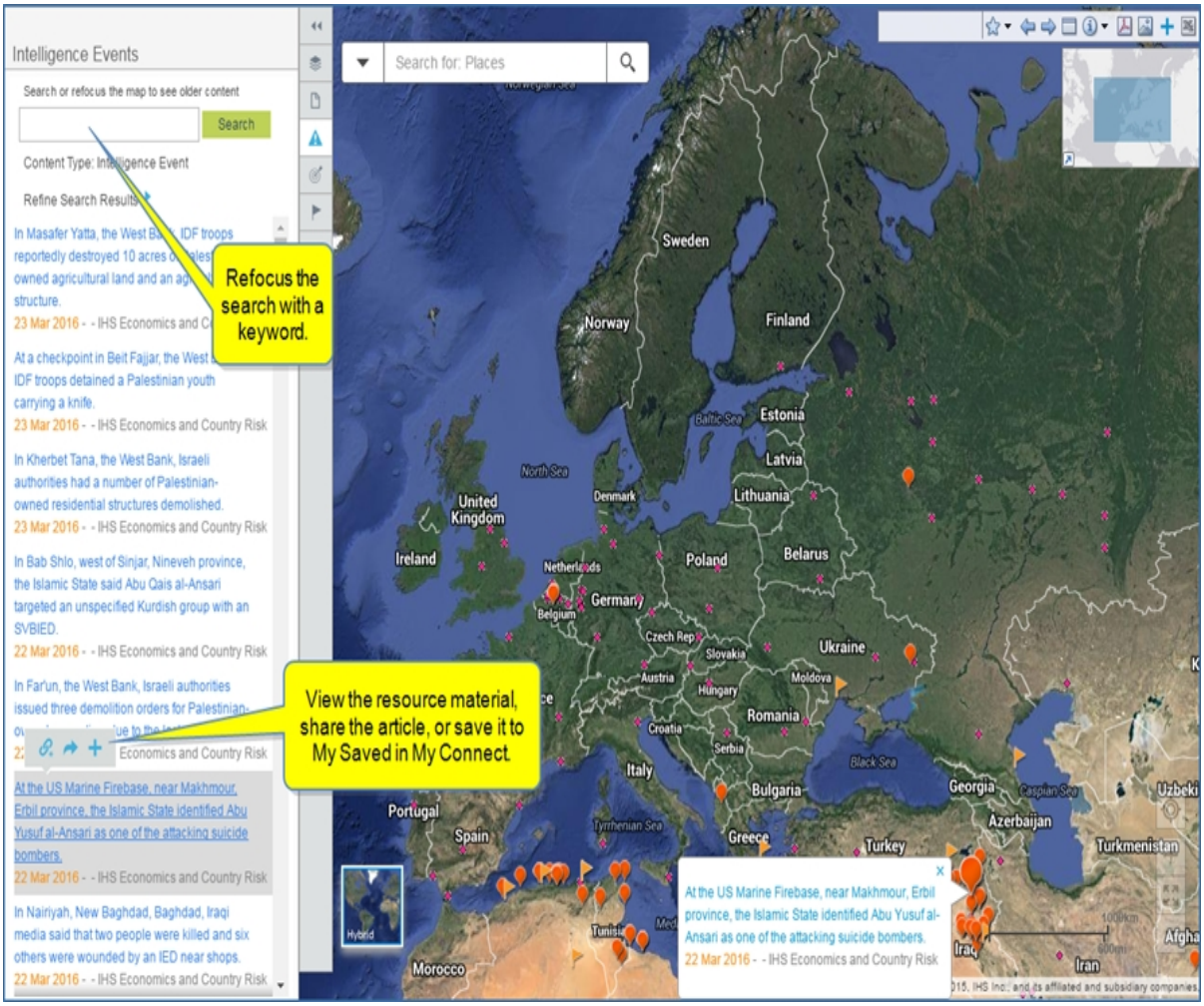
Research and Analysis provides content information for All Content, Energy, or Chemical. You can refocus the search with a keyword. When you highlight research, the corresponding alphabetical marker is identified on the map so you see the location pertaining to the research. Likewise, when you select an alphabetical marker on the map, the article is highlighted in the Research and Analysis panel.



You can click a blue balloon using identify mode to display the details of the research, as well.

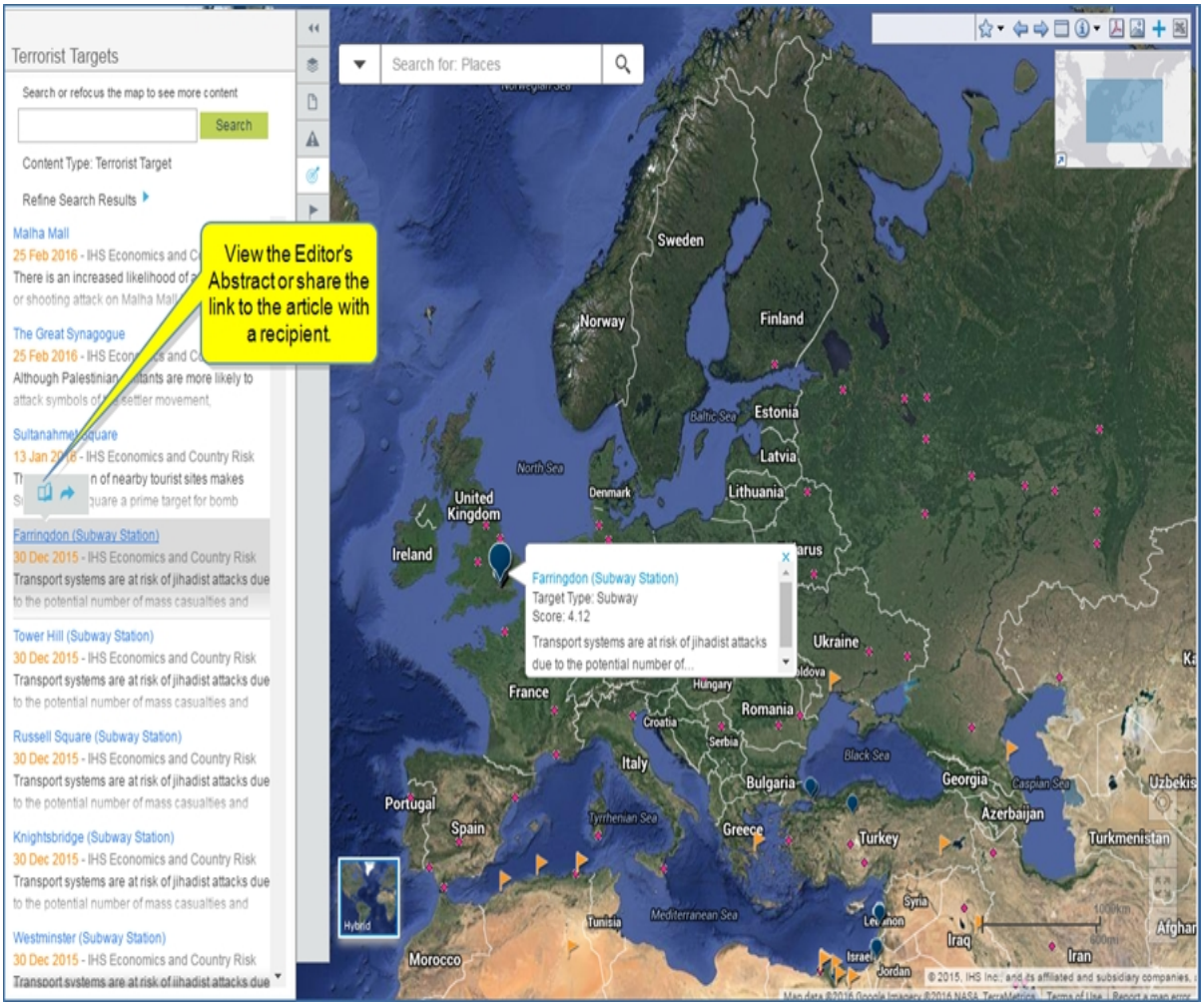
Intelligence Events

Intelligence Events lists pertinent articles for your location and identifies the research location on the map. You can review the resource material, share the article, or save it to My Saved in My Connect.



Terrorist Targets

Terrorist Targets lists pertinent research for your location and identifies the research location on the map. In the example below, you can review an Editor's Abstract or share the link to the article.

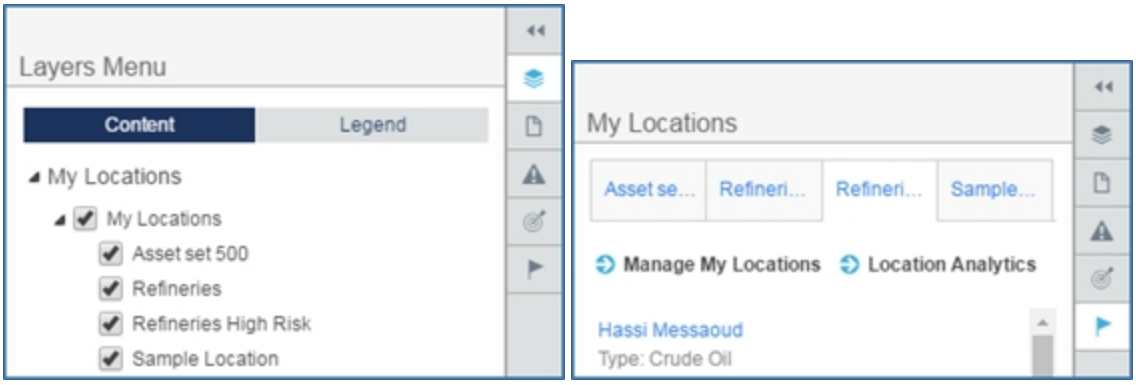


My Locations

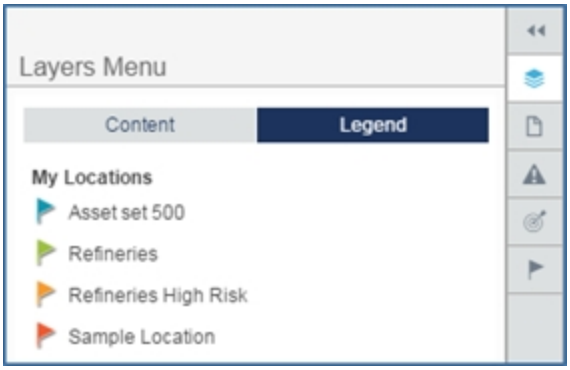
My Locations reflects your selections from the Layers Menu. If all locations are selected on the Layers Menu, the locations are displayed on My Locations with tabs.

My Locations are available when you upload your own location information to track assets in particular locations. You can use the location groups to filter information displayed on the map. In this way, you can observe asset locations and country risk issues particular to the location.

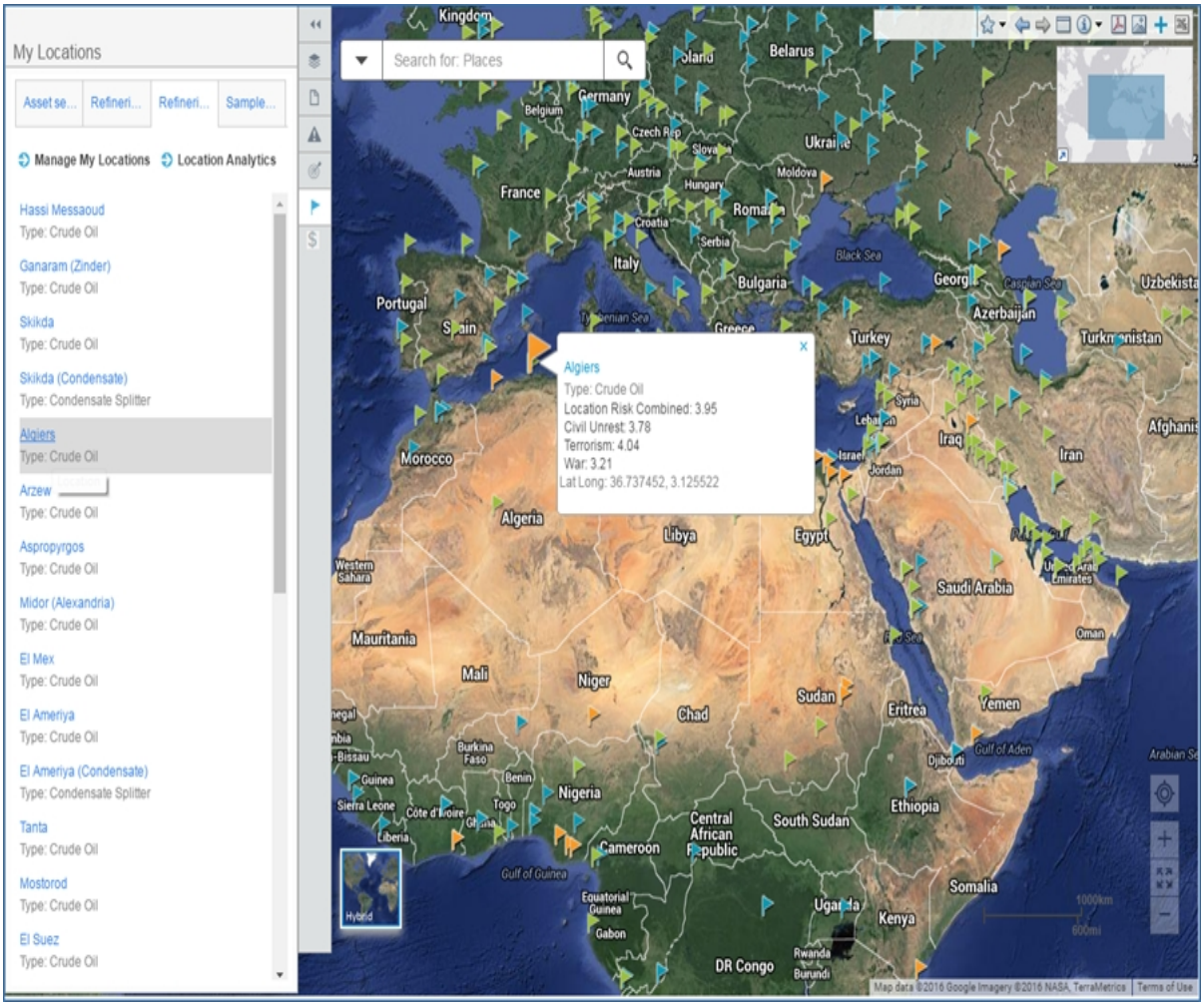
The My Locations pane contains links to **Manage My Locations** and **Location Analytics**. To learn more about My Locations in My Connect, see and My Locations. To learn more about Location Analytics, review Location Analytics. Also review Searching in Connect for more information about research results using My Locations with a perimeter radius.



The Legend in Layers Menu displays the icon used on the map for a particular location.



Select a location group in My Locations, and then highlight an item on the list or a flag marker on the list to identify the location and review detailed risk information.



Click the link for Algiers in the above example to view detailed information, as well.

M and A Transactions

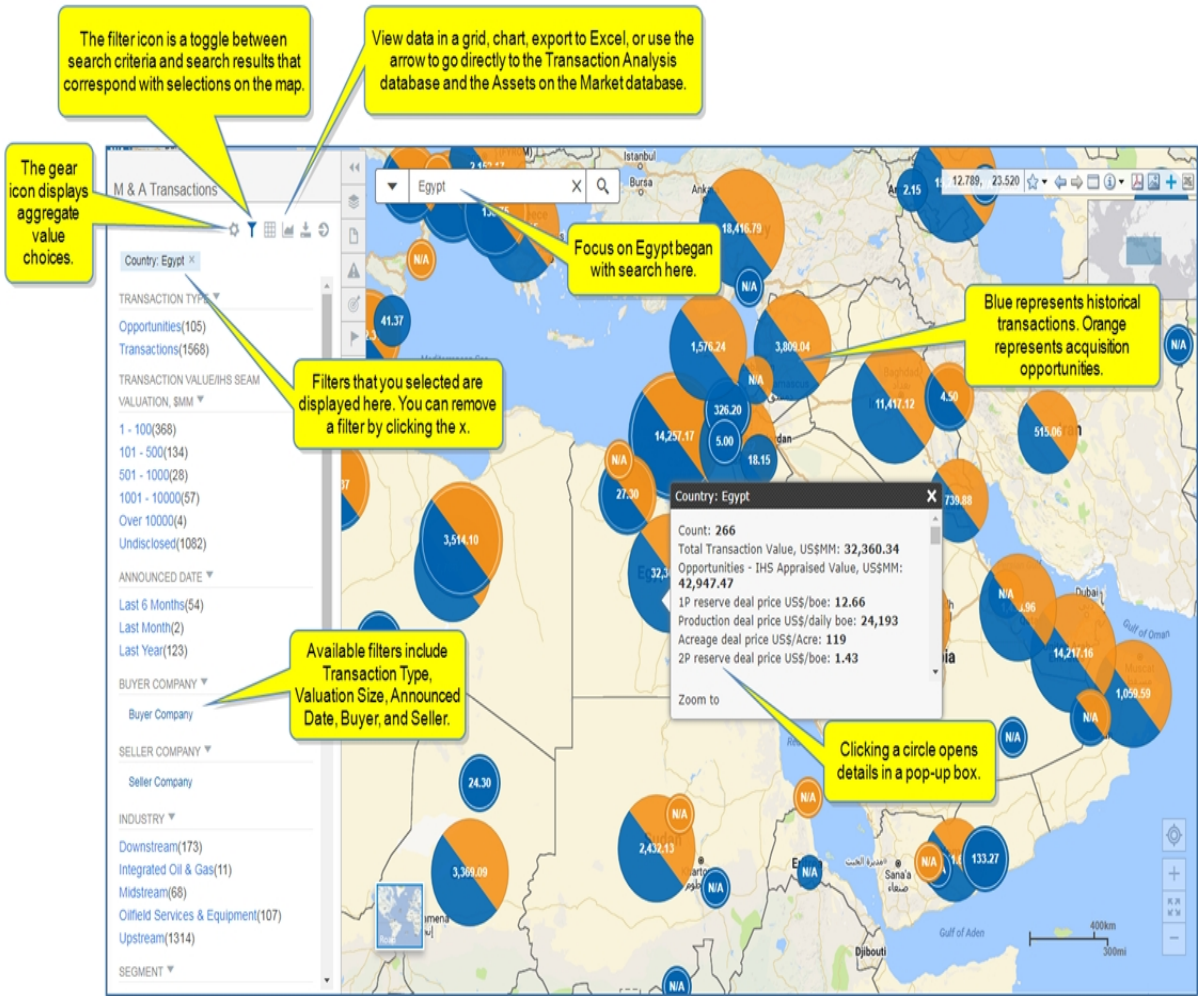
M and A Transactions provides a dynamic view and workflow opportunities for analyzing transaction trends with companies and regions—both historical transactions and current opportunities for acquisitions on the market. Connect pulls information on the map from the Assets on the Market database / tool and the Transaction Analysis database / tool. You have the ability to view transactions in the database tools and display them on the map. You can also navigate from the map to the database. Review Transaction Analysis and Assets on the Market for more information.

The filter pane allows you to refine your search criteria by transaction type, value, announced dates, buyer company, seller company, industry, deal level / opportunity level, and opportunity status. Icons function to select aggregate value, filter search results, view transactions and opportunities on a grid or chart, export data to Excel, and go directly to Transaction Analysis and Assets on the Market.

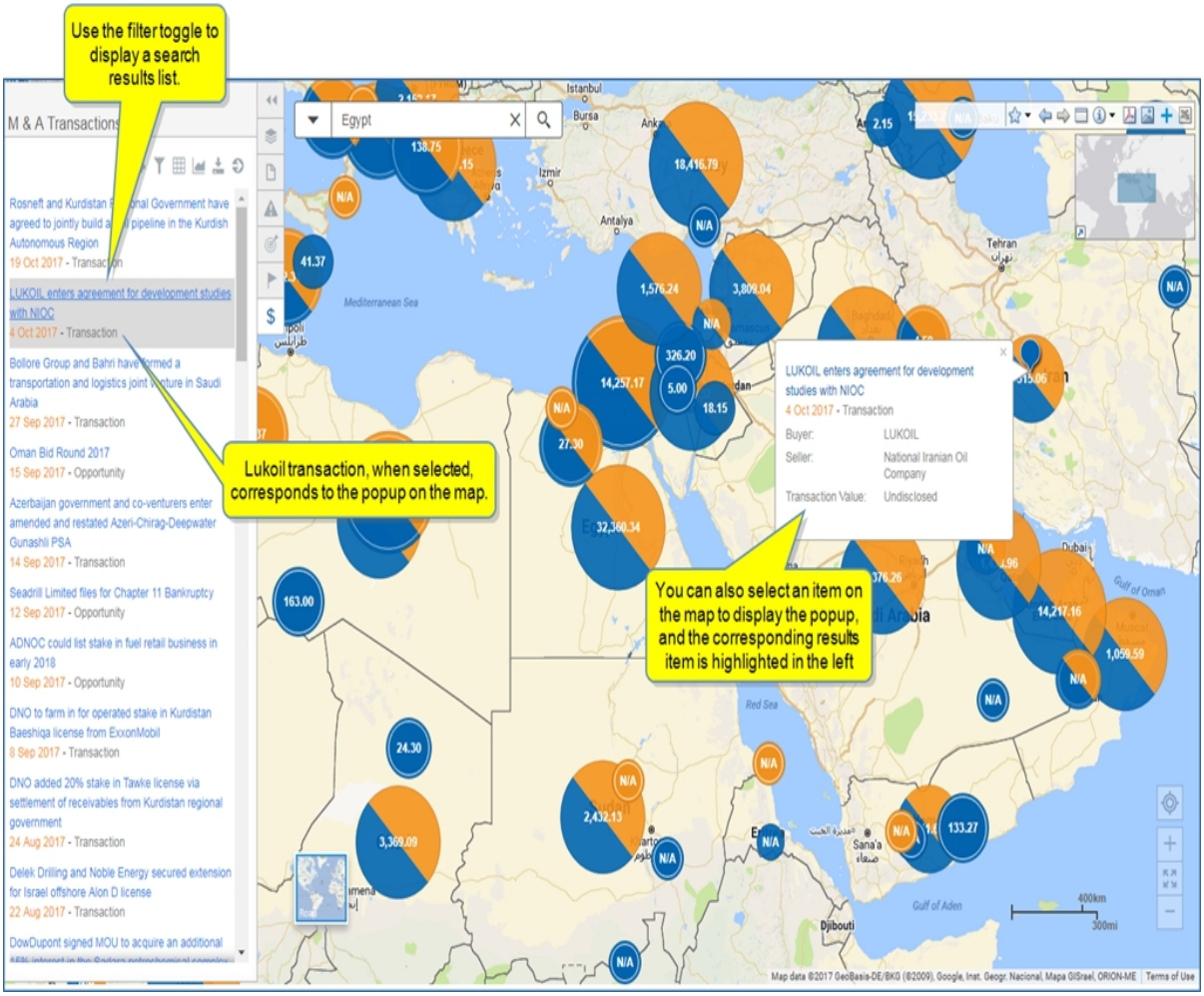
Circles on the map identity geographical locations and transaction / opportunity details, and the filter icon toggles between search criteria and search results that correspond to the plotted circles on the map. Workflows can include identifying companies' sales or future sales, company transactions as buyer and seller, and more complicated scenarios to identify trends—for example, identifying where a company has been divesting assets and where they are buying assets. Your trend analysis can be company focused and / or regional.

In the following example, we searched for Egypt. The blue on the circles represents historical transactions. The orange represents acquisition opportunities. Clicking the bubble displays detailed information in a pop-up box.

The filter pane presents filter options, including buyer and seller selections. The filter icon toggles between filter options and search results that correspond to the circles on the map.



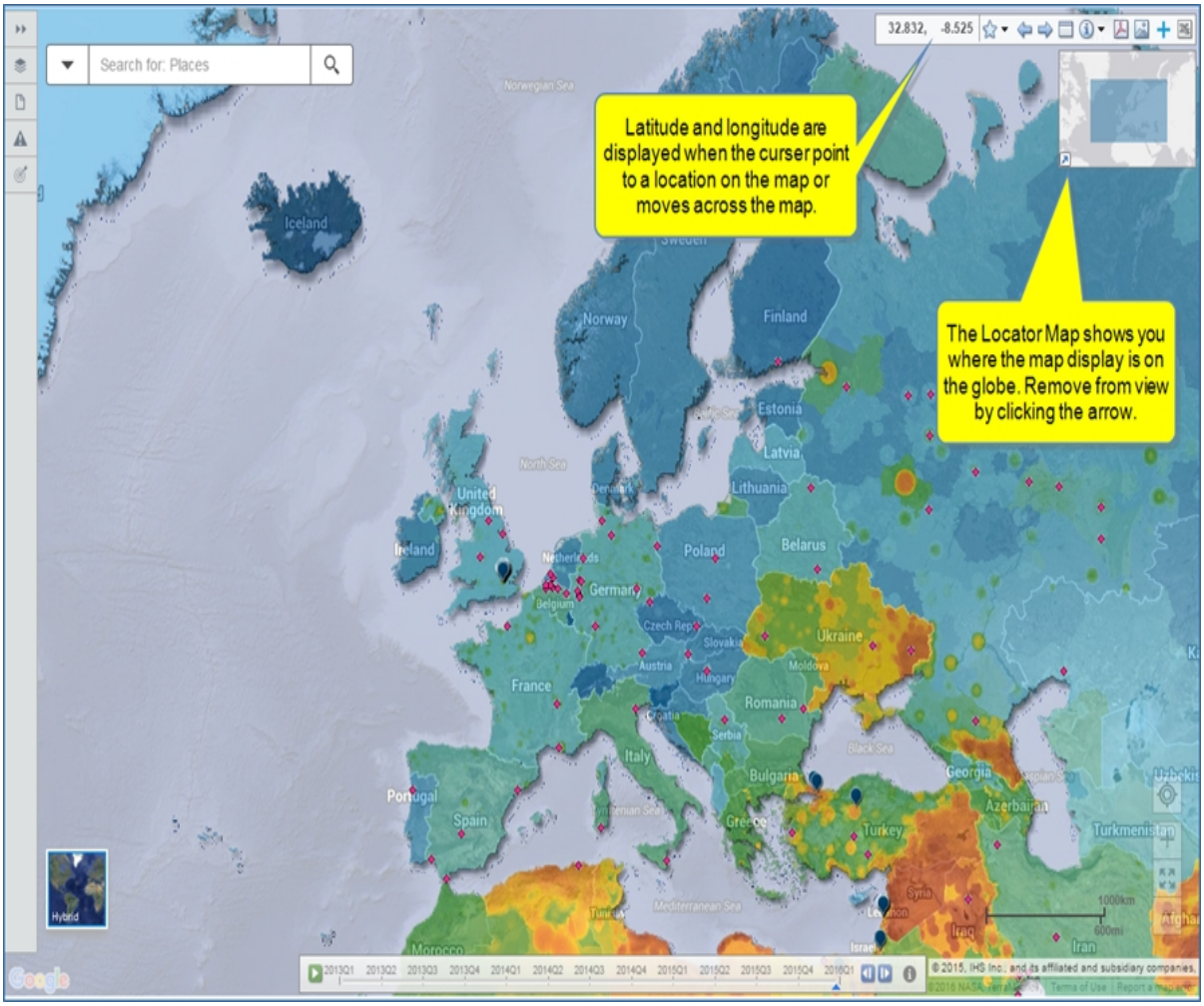
Clicking the filter icon displays search results in the left pane that corresponds to areas on the map. Select an item from the list to view the corresponding location on the map. You can also click a circle on the map to highlight in item on the results list.



Tool Bar and Locator Map

The Tool Bar and Locator Map are displayed in the upper right. The latitude and longitude are displayed on the Tool Bar when you point the curser to a location on the map or move the curser over the map.

The Locator Map shows you what part of the world is displayed on the map. You can remove it from view by clicking the arrow. To expand a hidden Locator Map, click the Show Locator Map icon.



The icons on the Tool Bar give you access to the following functions listed in the table below.

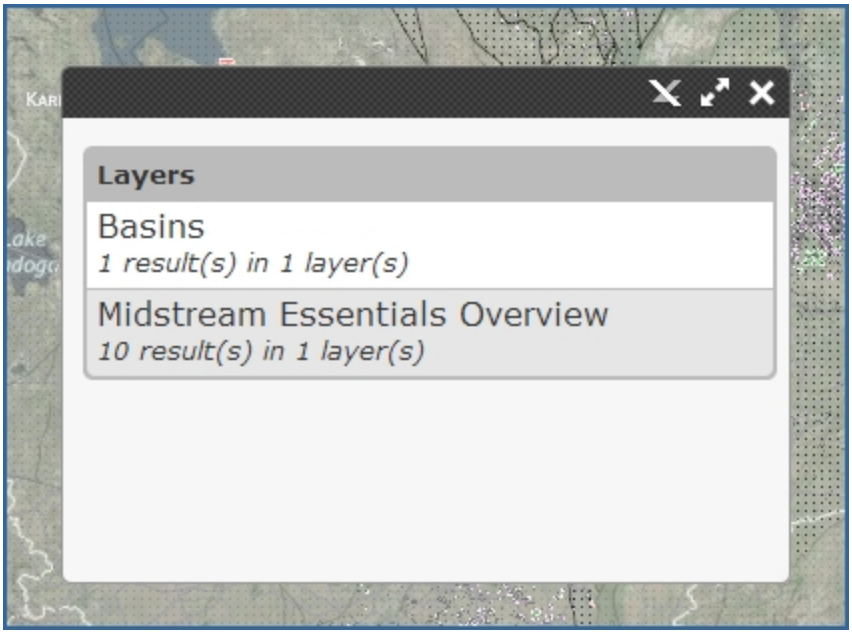
	Click the down arrow next to the star to add a bookmark.
	Move between map extents—your previous views
	Toggle to full screen
	Click the down arrow next to one of these icons to view two more icons: use the icon

	to select an area of data for export to Excel ( ); select the icon to reposition the map within the window or select a feature; or select to enable the identify mode.
	Export to PDF
	Export to image
	Add to My Saved
	Export to Excel. After you select an area of data on the map using the icon, select the Export to Excel icon.

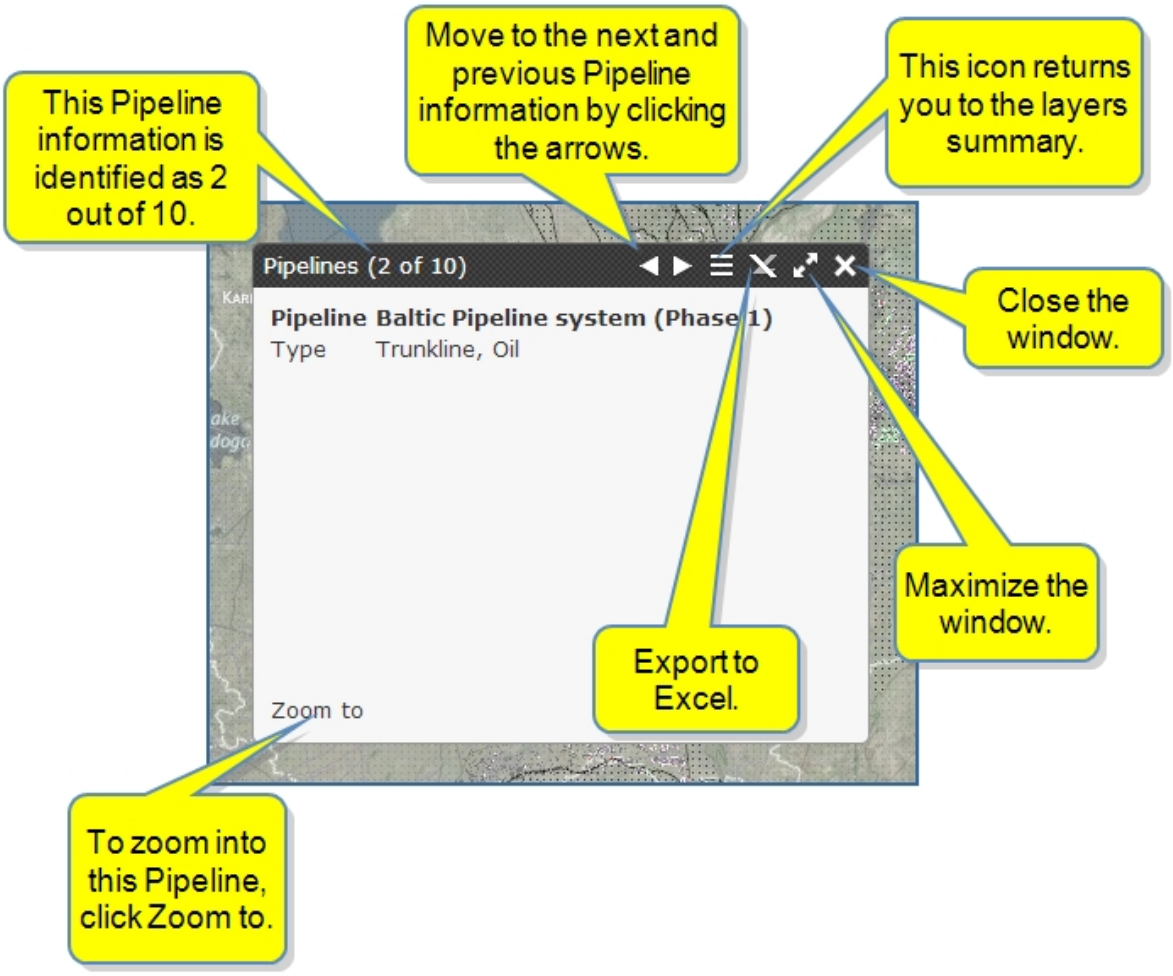
Identify Mode

With Identify mode, click a result to access summary location information. If the result has multiple Layers (in this example, Basins and Fields), Connect indicates the number you can review.

When you move your mouse over an item, it is highlighted. Click it to display a list of the results.



As you select more items, more detail is displayed.



Base Map

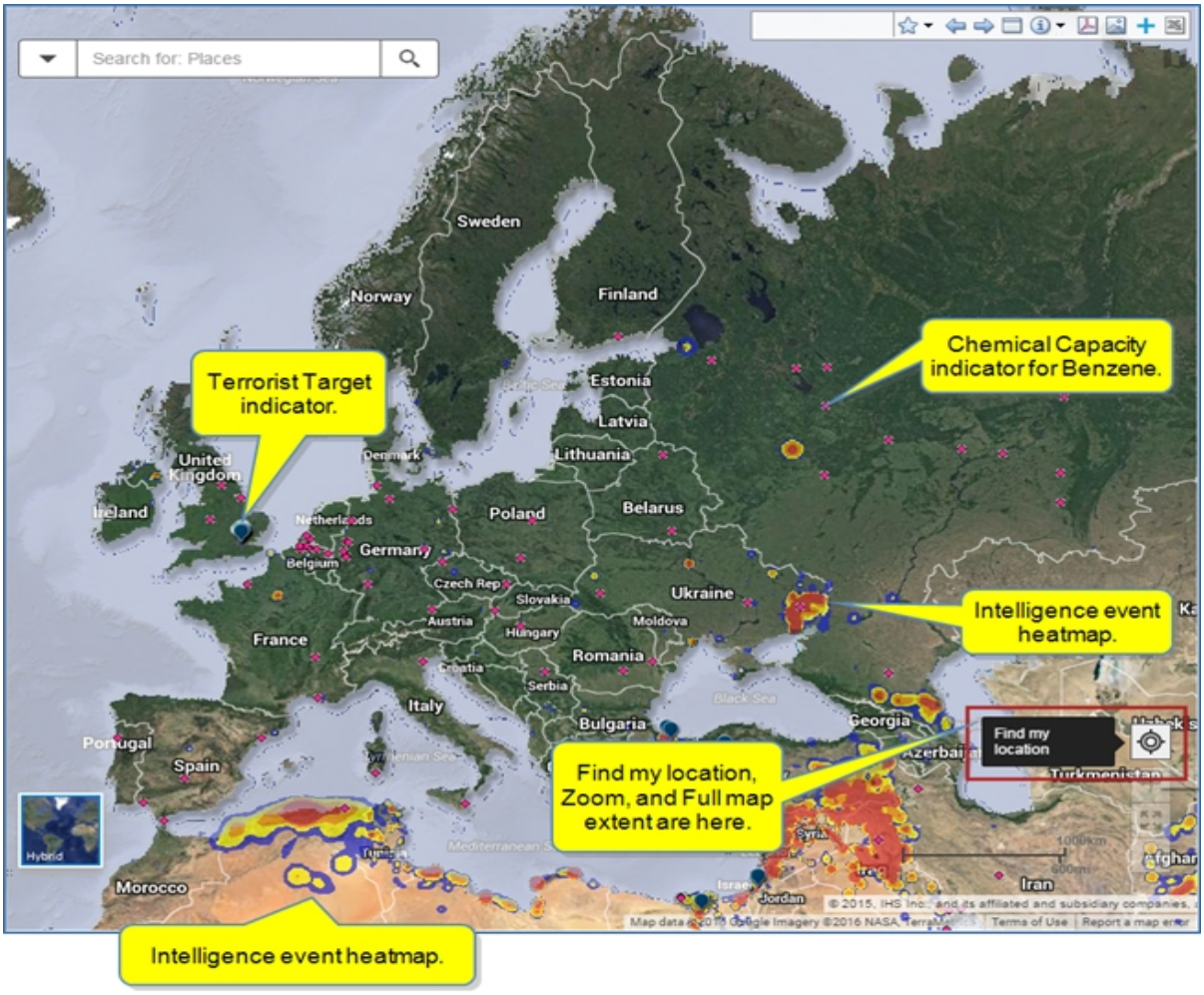
You have five map view choices:

- Road
- Satellite
- Terrain
- Grey
- Hybrid.

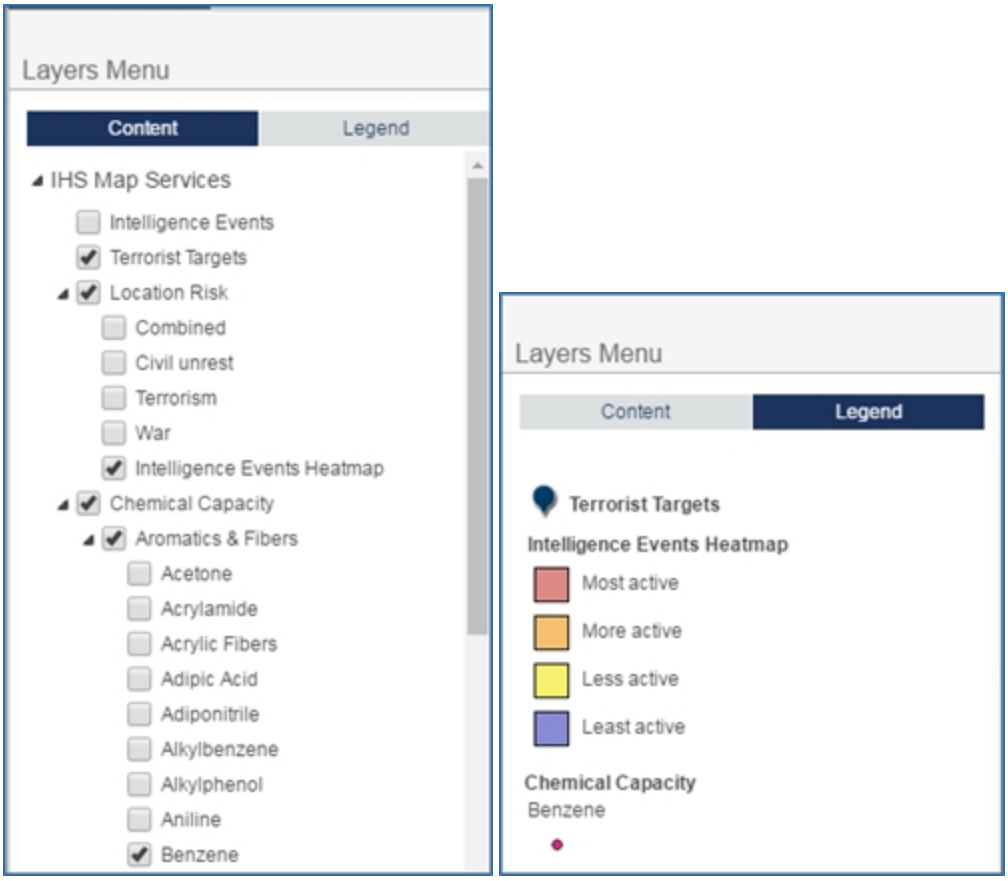
When you select a map, the others collapse, and only your selected map is displayed. To change maps, click the one displayed to view all five maps. Again, when you select one, the others collapse.

Find my location, Zoom, and Full map extent

In the right lower portion of the map, button icons map your present location, zoom out and in to the map, and display a full map extent view. Notice Chemical Capacity indicators for Benzene, Terrorist Targets indicators, and Intelligence event heatmap indicators.



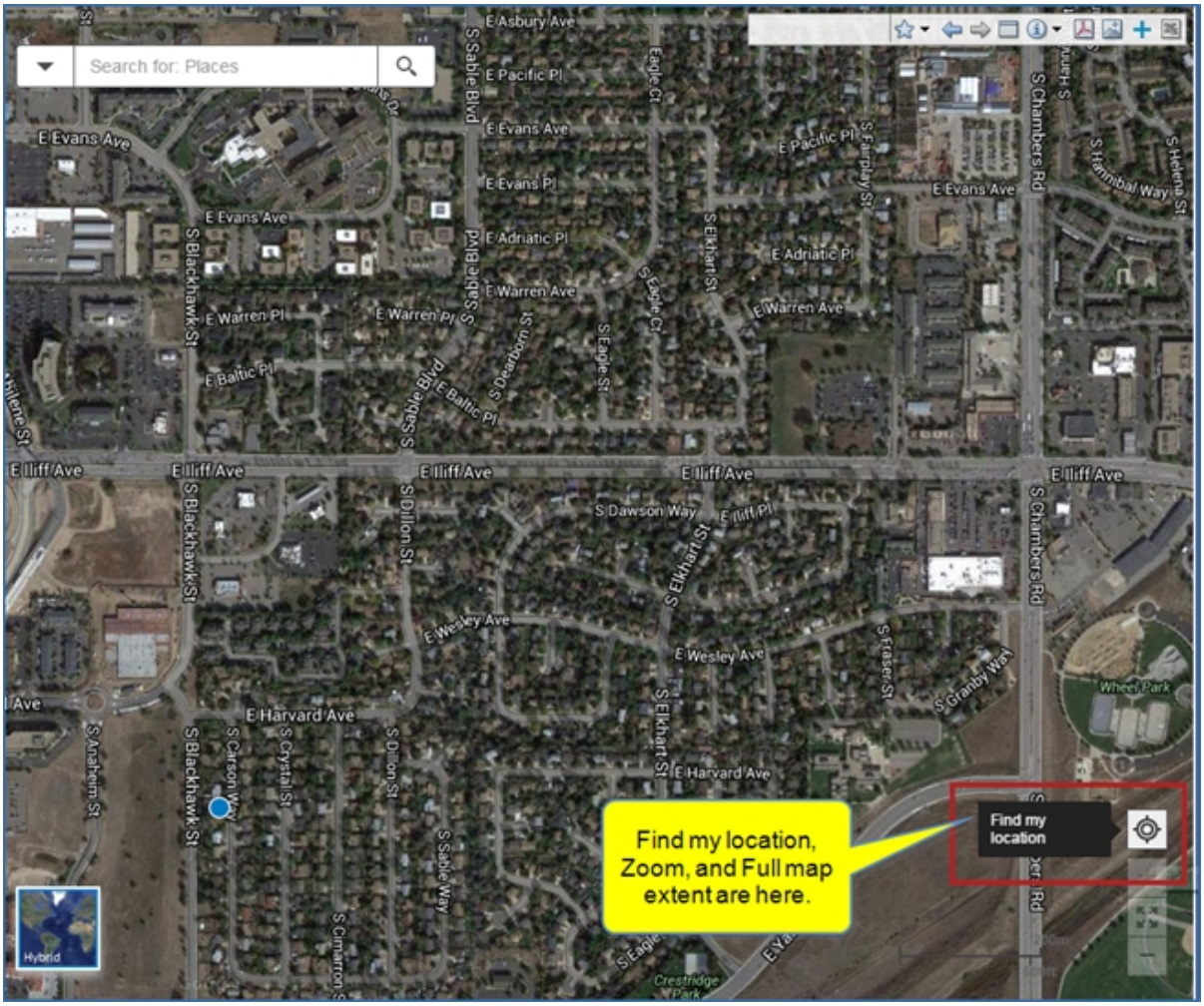
The corresponding Layers Menu shows Terrorist Targets, Location Risk > Intelligence Events Heatmap, Chemical Capacity > Aromatics & Fibers > Benzene selected, and the Legend panel identifies the icons used for these selections shown on the map.



The first time you use **Find my location**, the browser asks you to allow tracking of your physical location.

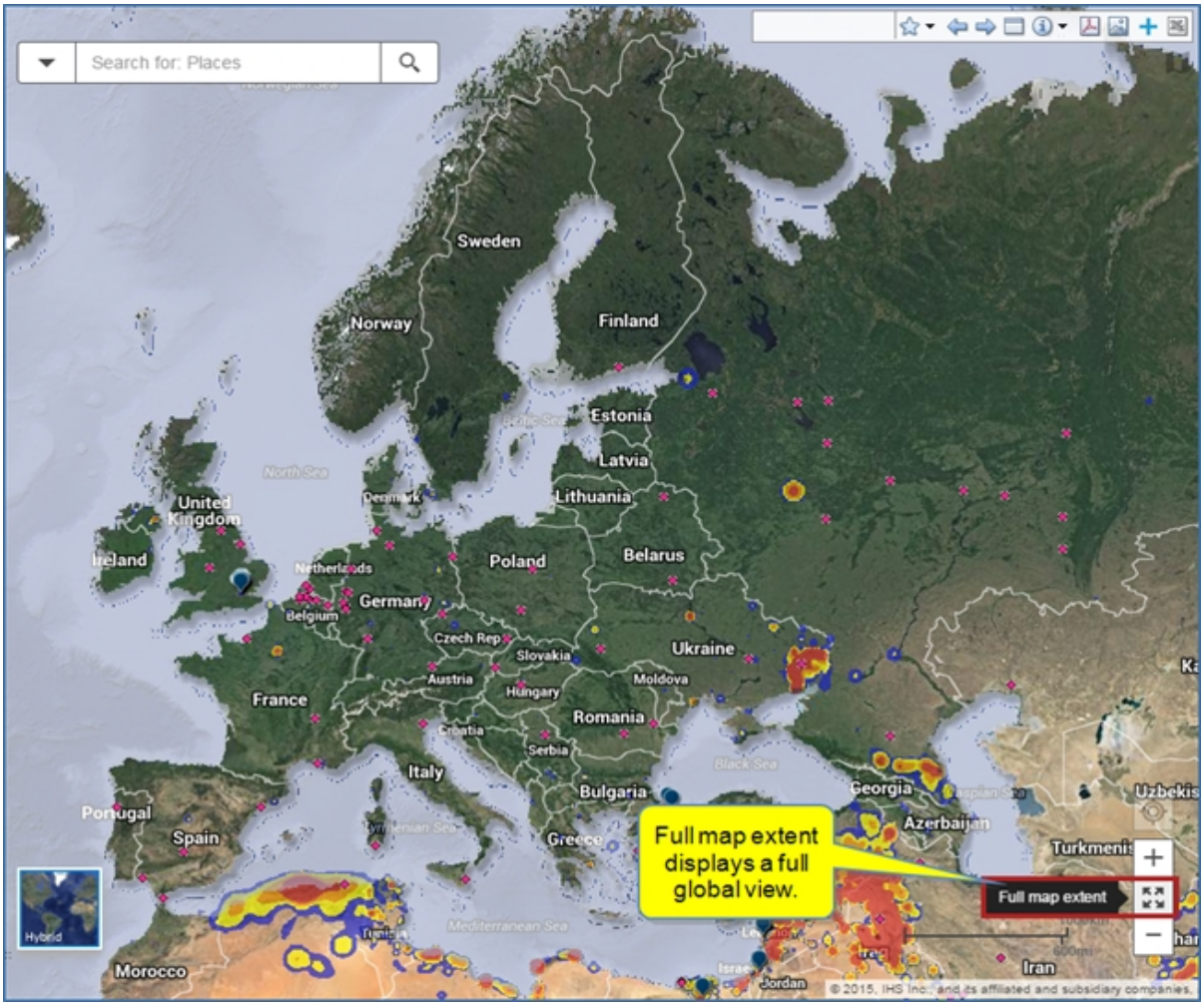
You can **Allow once**, or select options to **Always allow**, or **Always deny and don't tell me**. Once you allow, **Find my location** works and any messages like, "We cannot find your coordinates," resolve.

Here is an example of **Find my location**. By clicking the button, the map went from Europe to a US location.

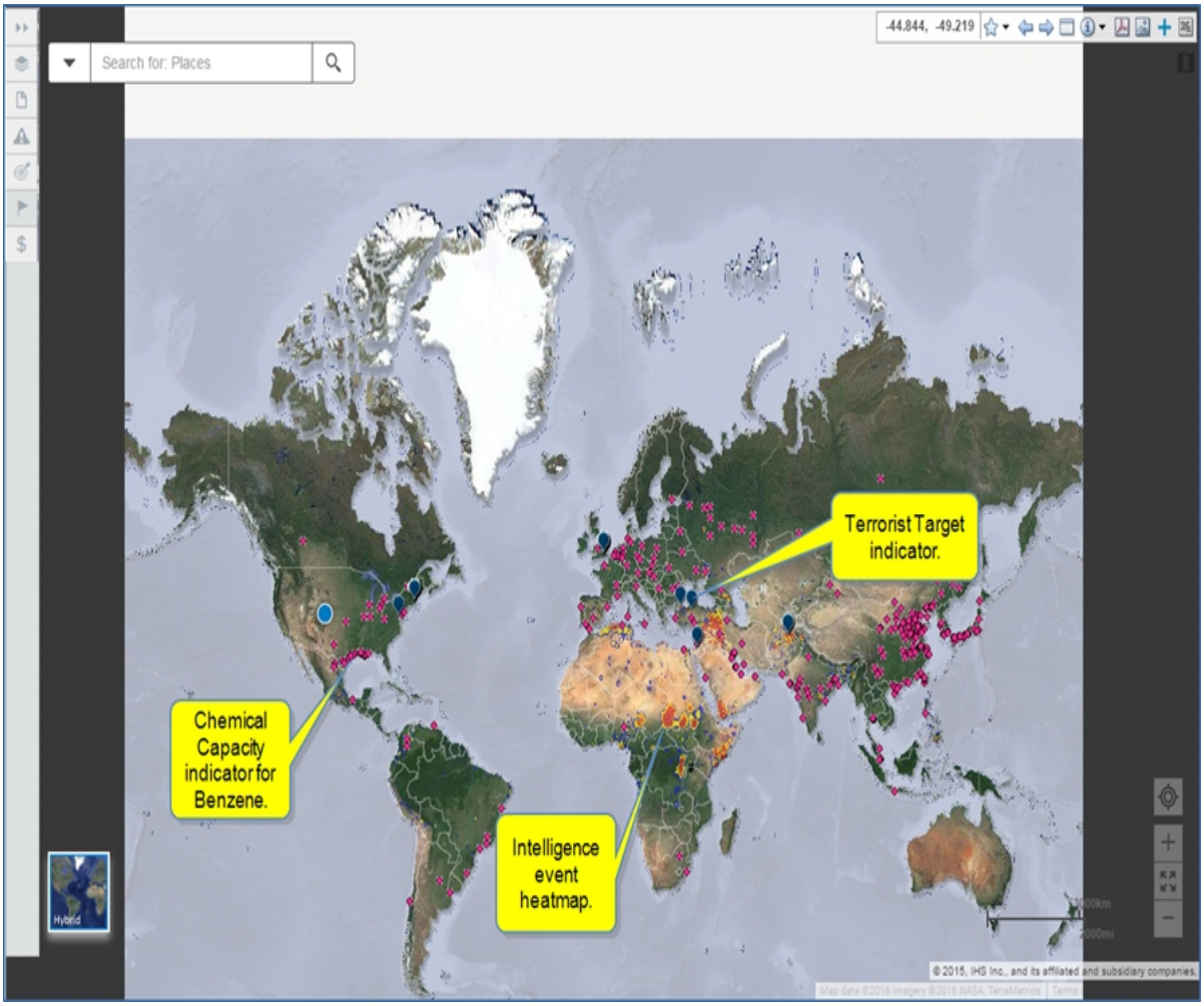


By using the Previous extent in the Tool Bar

, we can return to the map of Europe.



A **Full map extent** view is global. Notice Chemical Capacity indicators for Benzene, Terrorist Targets indicators, and Intelligence event heatmap indicators.



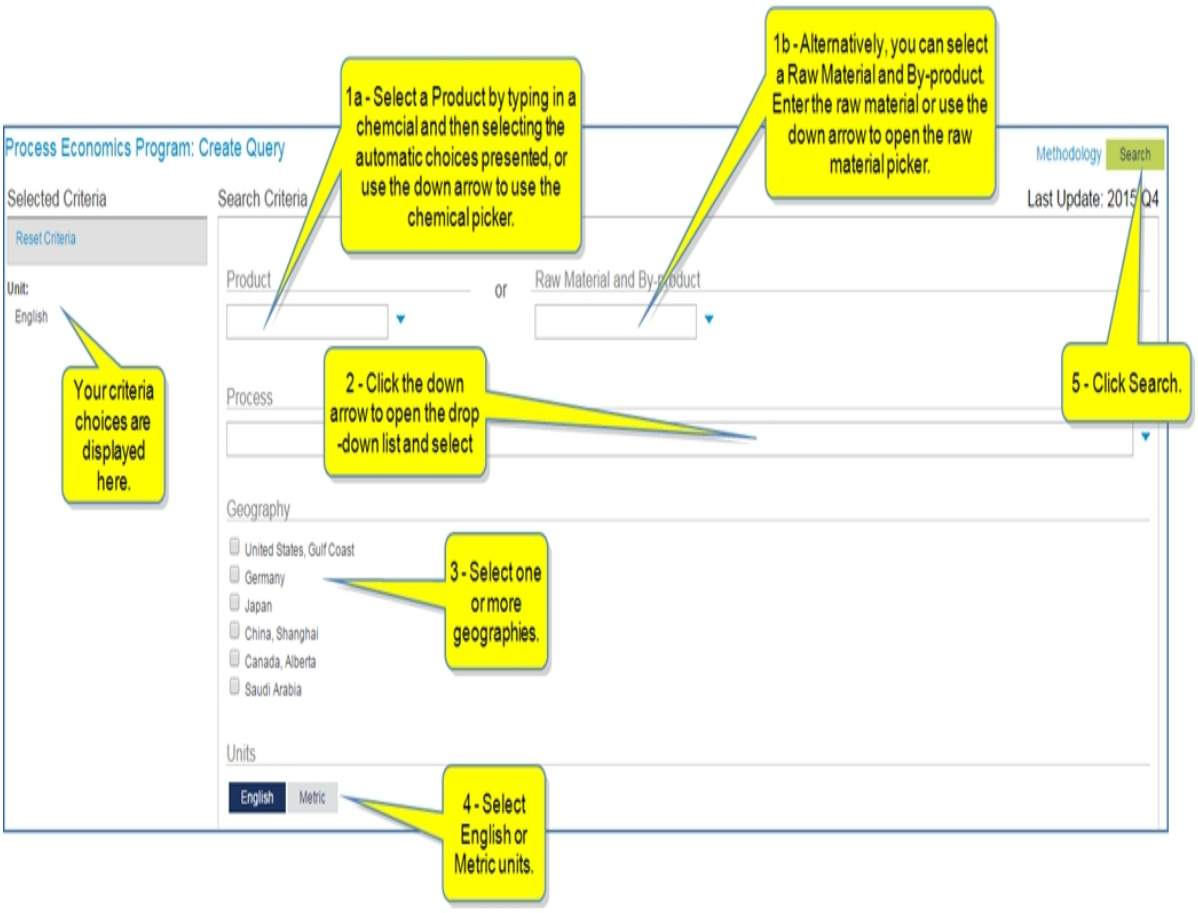
Process Economics Program

Process Economics Program

The Process Economics Program tool finds the detailed cost structure for 1,400 chemical processes. A Chemical: PEP Yearbook subscription is required to use this tool and view PEPs reports and reviews.

Once you create a query by selecting a product or raw material and by-product, process, geography, and units, you can view the results table, select a process, and open a Cost Table to see details of the full cost structure for the processes. You can customize the Cost Table to compute the cost of a process using your own assumptions on the price of inputs or on the capacity of the plant, and you may also export the results to an Excel spreadsheet. The spreadsheet is also active and responds to changes you make in the cost and capacity amounts.

When you select **Process Economics Program**, the Create Query page is displayed.

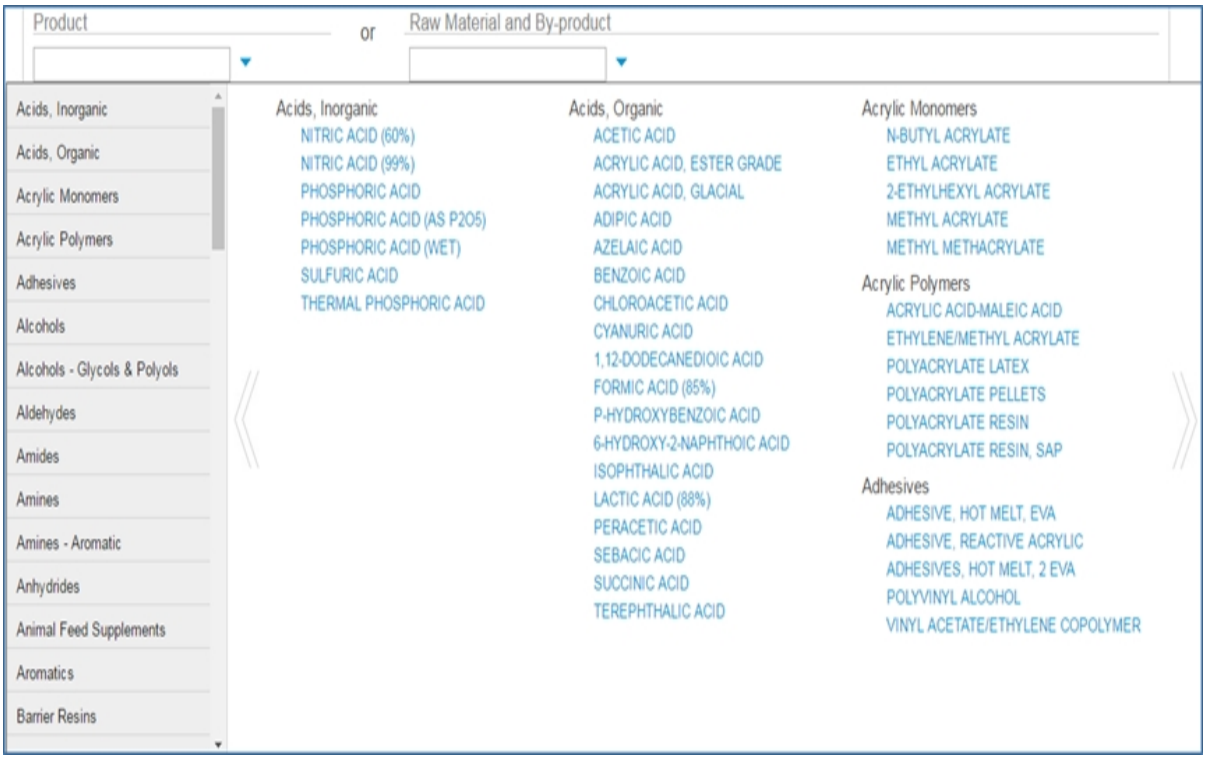


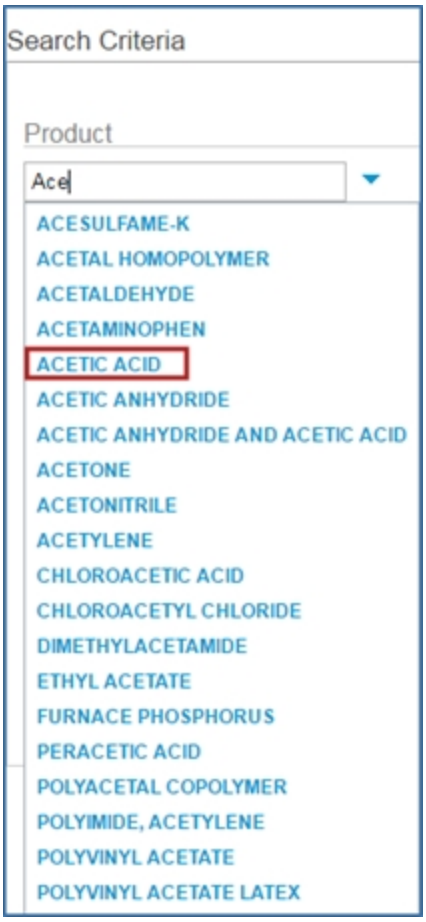
Note: If you select a Raw Material, the result page shows details per Raw Material; otherwise, it shows details per Cost Table.

Using the chemical Acetic Acid as the Product, go through the steps to open and customize a Cost Table.

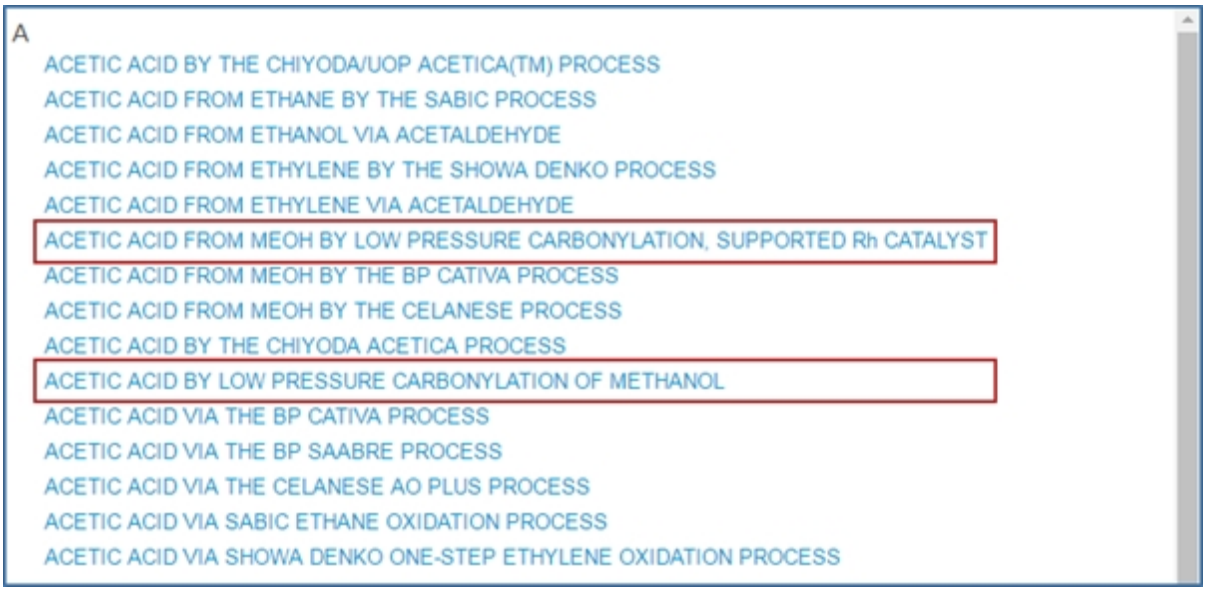
To create and customize a Cost Table

1. Enter **Acetic Acid** in the Product field. As you start to type, possible choices are displayed. Select **Acetic Acid**. (You can also select from the chemical picker by clicking the down arrow.)


Product
or
Raw Material and By-product
Acids, Inorganic
Acids, Organic
Acrylic Monomers
Acrylic Polymers
Adhesives
Alcohols
Alcohols - Glycols & Polyols
Aldehydes
Amides
Amines
Amines - Aromatic
Anhydrides
Animal Feed Supplements
Aromatics
Barrier Resins
Acids, Inorganic
NITRIC ACID (60%)
NITRIC ACID (99%)
PHOSPHORIC ACID
PHOSPHORIC ACID (AS P2O5)
PHOSPHORIC ACID (WET)
SULFURIC ACID
THERMAL PHOSPHORIC ACID
Acids, Organic
ACETIC ACID
ACRYLIC ACID, ESTER GRADE
ACRYLIC ACID, GLACIAL
ADIPIC ACID
AZELAIC ACID
BENZOIC ACID
CHLOROACETIC ACID
CYANURIC ACID
1,12-DODECANEDIOIC ACID
FORMIC ACID (85%)
P-HYDROXYBENZOIC ACID
6-HYDROXY-2-NAPHTHOIC ACID
ISOPHTHALIC ACID
LACTIC ACID (88%)
PERACETIC ACID
SEBACIC ACID
SUCCINIC ACID
TEREPHTHALIC ACID
Acrylic Monomers
N-BUTYL ACRYLATE
ETHYL ACRYLATE
2-ETHYLHEXYL ACRYLATE
METHYL ACRYLATE
METHYL METHACRYLATE
Acrylic Polymers
ACRYLIC ACID-MALEIC ACID
ETHYLENE/METHYL ACRYLATE
POLYACRYLATE LATEX
POLYACRYLATE PELLETS
POLYACRYLATE RESIN
POLYACRYLATE RESIN, SAP
Adhesives
ADHESIVE, HOT MELT, EVA
ADHESIVE, REACTIVE ACRYLIC
ADHESIVES, HOT MELT, 2 EVA
POLYVINYL ALCOHOL
VINYL ACETATE/ETHYLENE COPOLYMER



2. Click the down arrow for Process and select two processes. We'll select Acetic Acid by Low Pressure Carbonylation of ethanol and Acetic Acid from meoh by low pressure carbonylation, supported Rh catalyst.

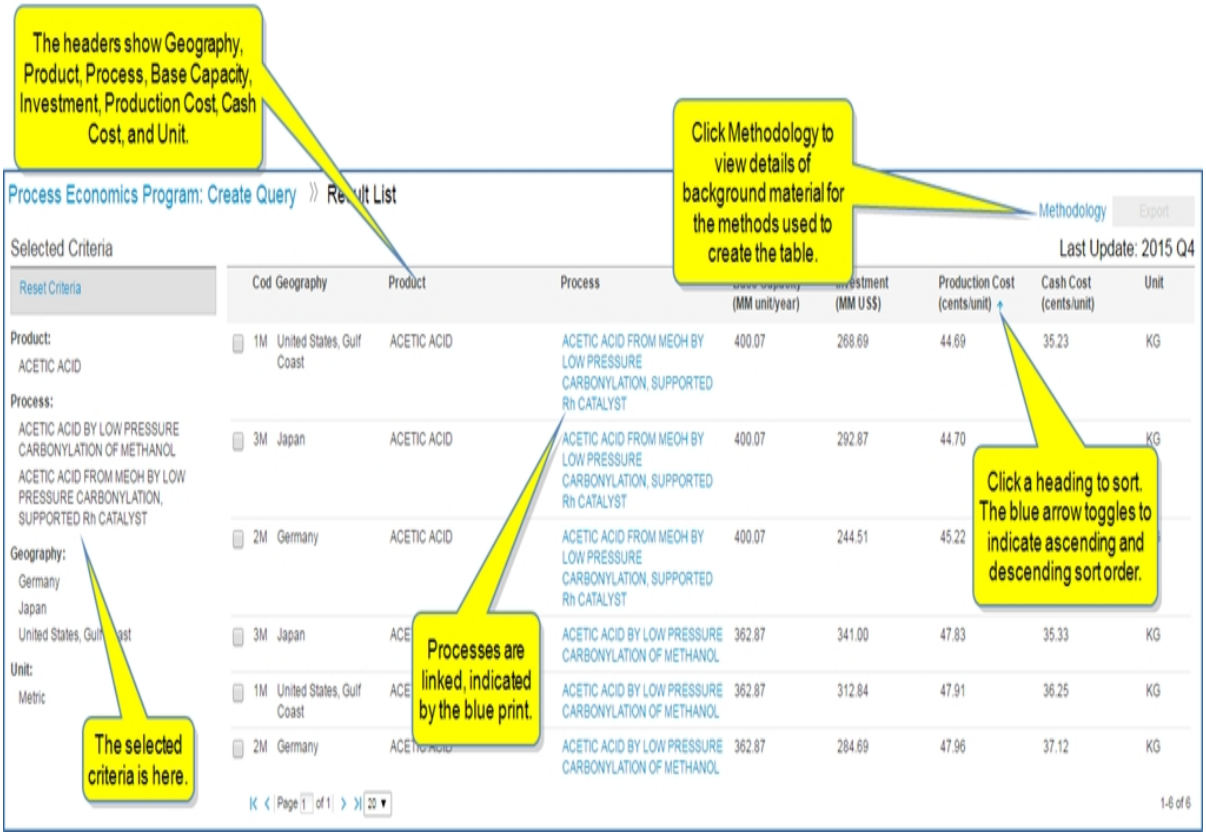


3. Select one or more geographies. The Geography section filters for the countries available for all processes selected. Therefore, in this example, Canada, Alberta and Saudi Arabia are not available because the economics are not available for those countries.

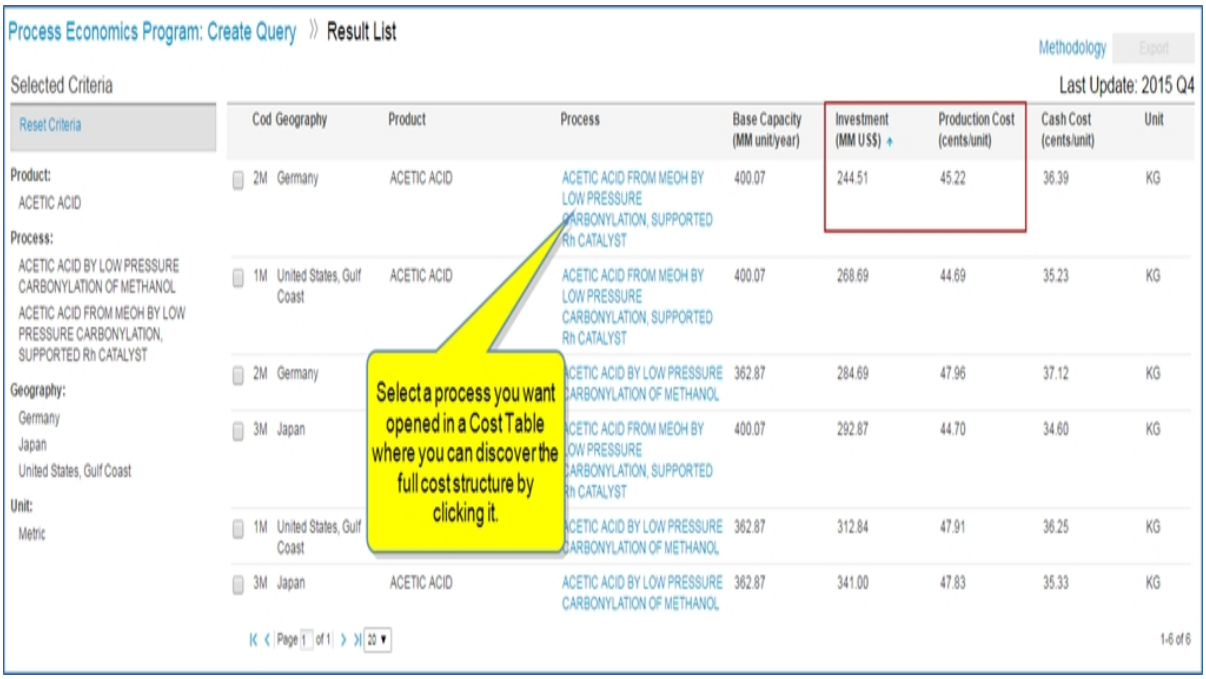
4. Select Units. Choose **Metric**.

5. Click **Search**.

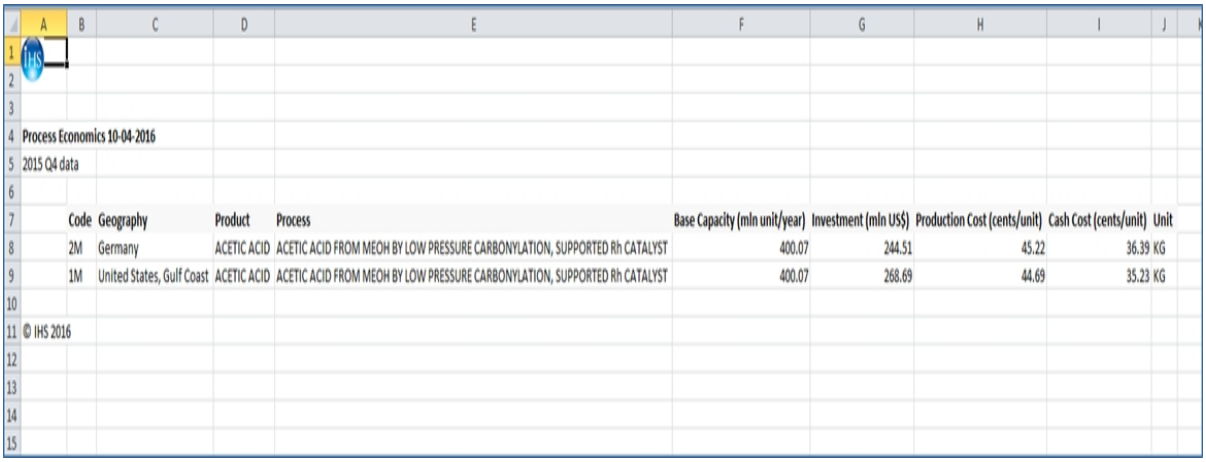
   The Results List is displayed showing all of the processes for the geographies selected. Included in the results are the Base Capacity, Investment, Production Cost, Cash Cost, and Unit. You can sort by each of those headings when you click the heading and then the blue arrow toggle for ascending and descending.

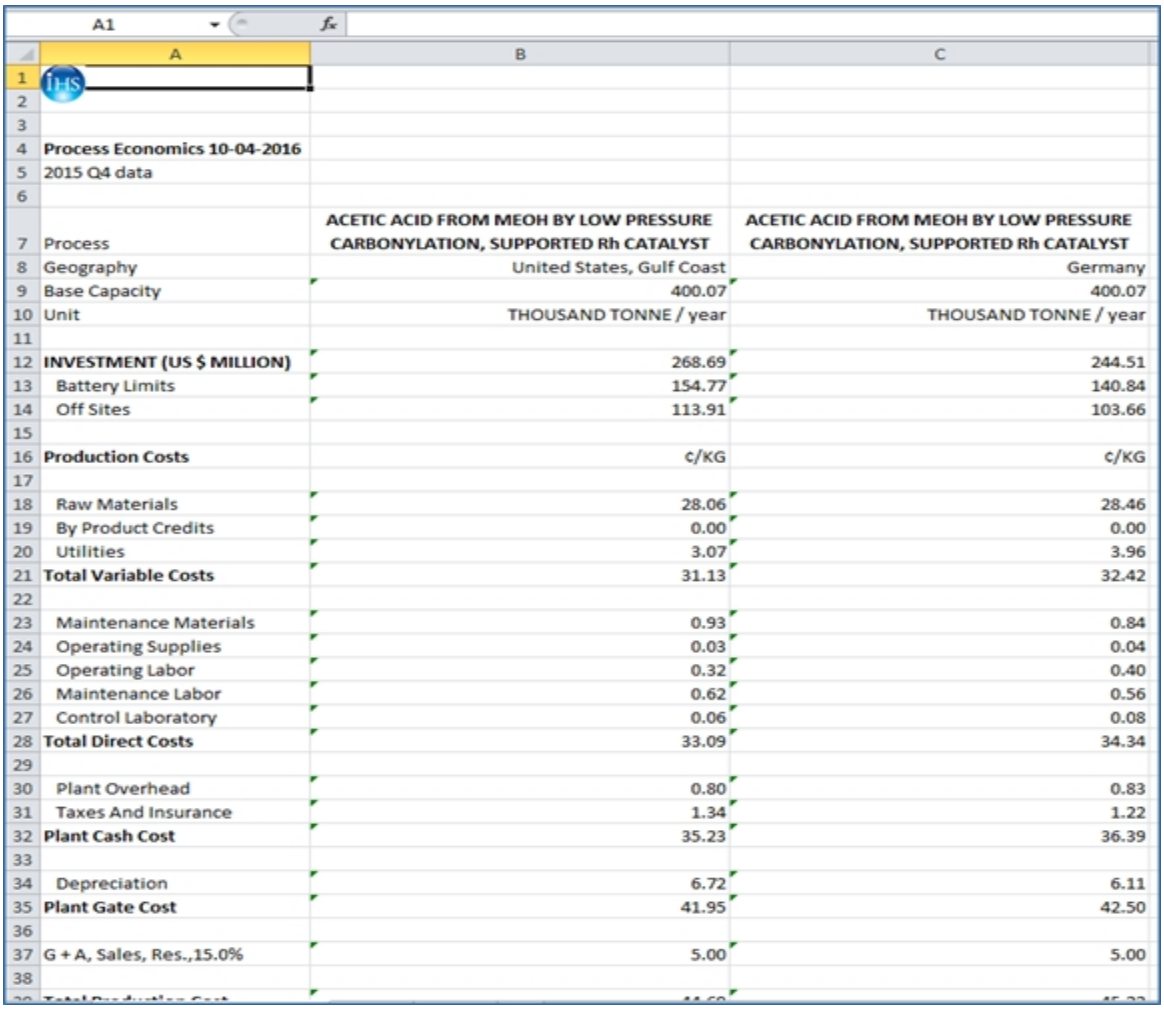


6. Sort the Base Capacity, Investment, Production Cost, Cash Cost, and Unit columns to focus cost information. In the following example, Germany has the best Investment price for Acetic Acid and the processes we have chosen. The Production Cost is one of the lowest.



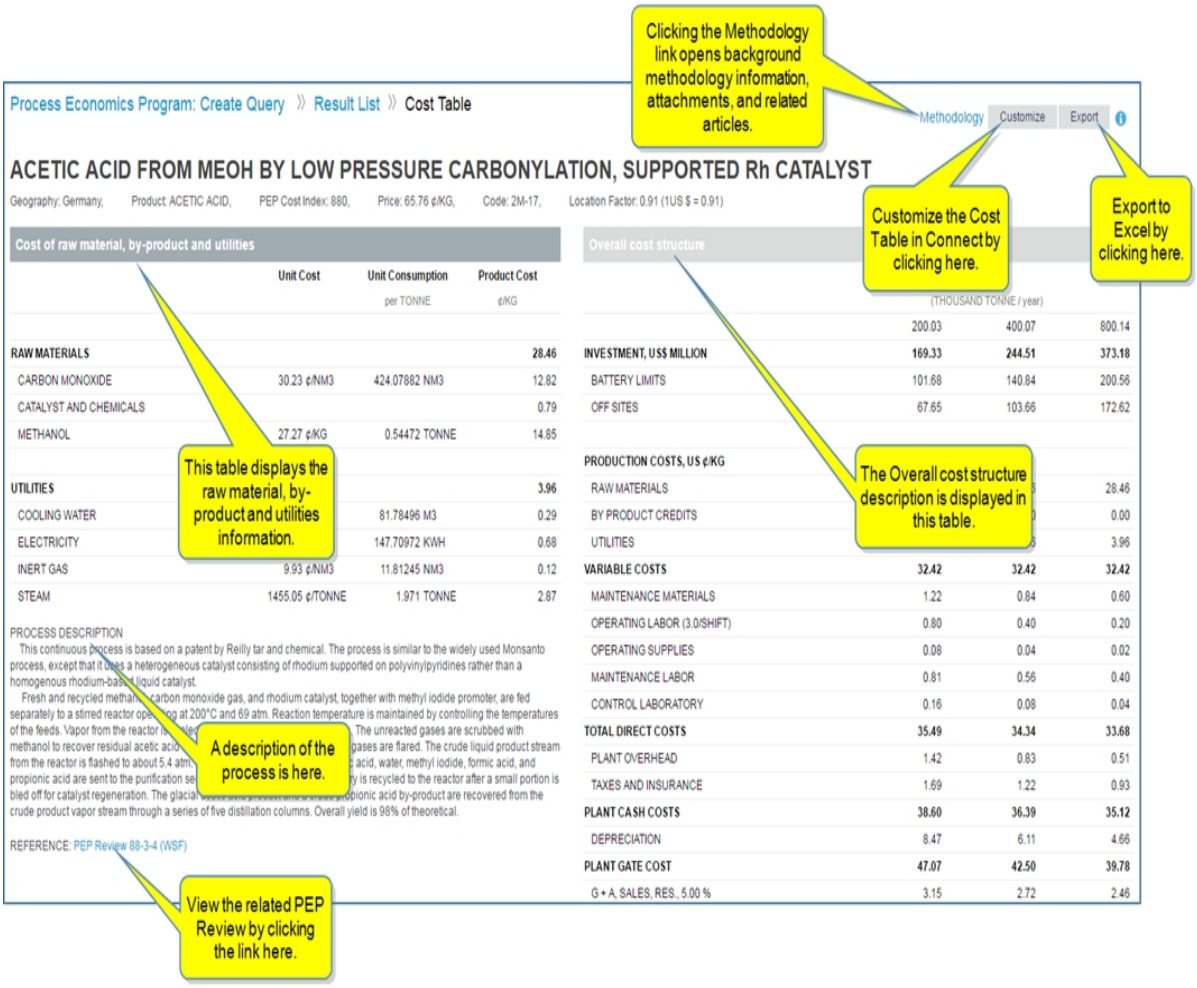
7. To export any of the line items in a horizontal or vertical spreadsheet view, select the check box next to the items you want to export, and then click the enabled Export choices—Export key indicators (horizontal) or Export all indicators (vertical).



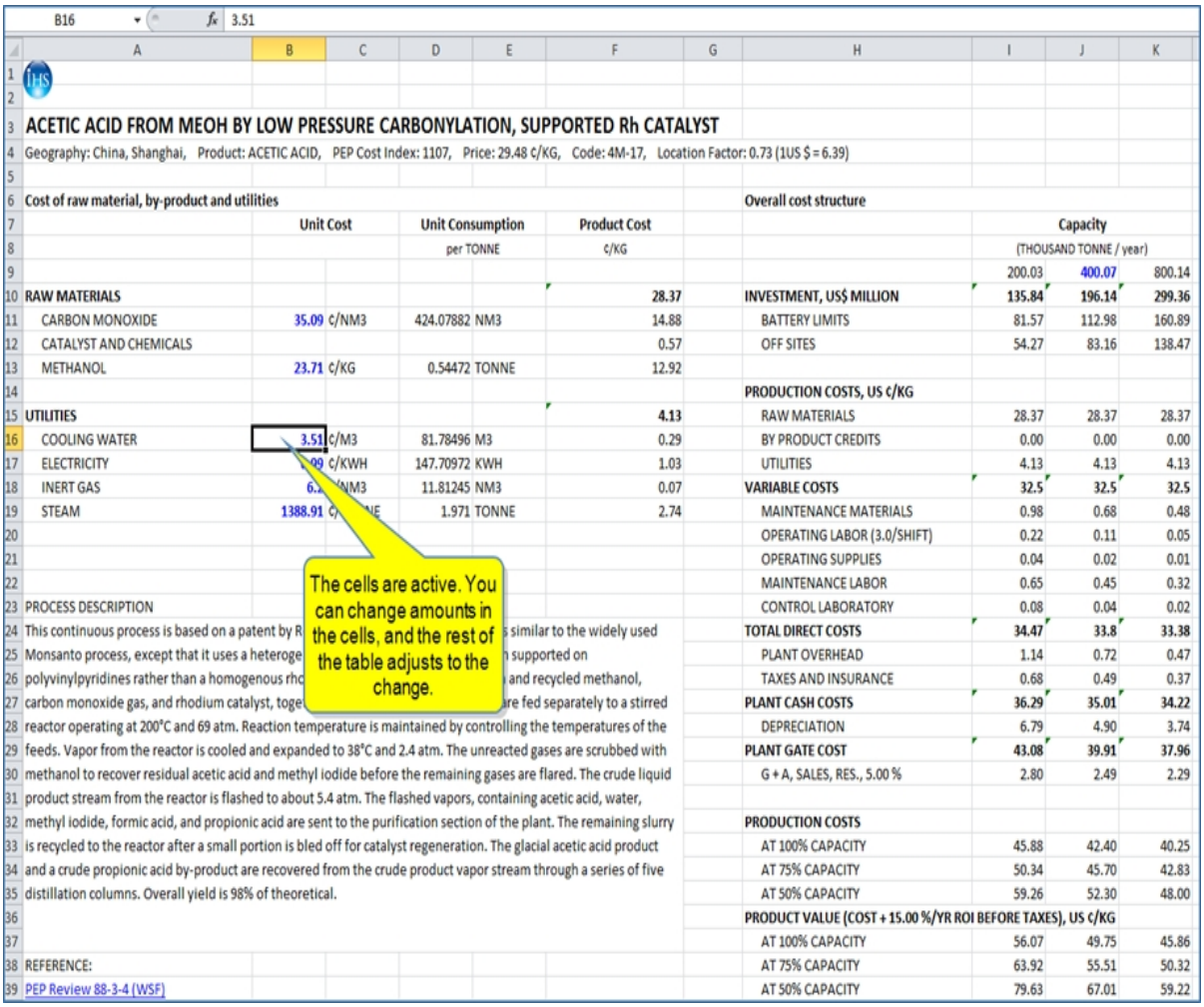


	A	B	C
1			
2			
3			
4	**Process Economics 10-04-2016**		
5	2015 Q4 data		
6			
7	Process	**ACETIC ACID FROM MEOH BY LOW PRESSURE CARBONYLATION, SUPPORTED Rh CATALYST**	**ACETIC ACID FROM MEOH BY LOW PRESSURE CARBONYLATION, SUPPORTED Rh CATALYST**
8	Geography	United States, Gulf Coast	Germany
9	Base Capacity	400.07	400.07
10	Unit	THOUSAND TONNE / year	THOUSAND TONNE / year
11			
12	**INVESTMENT (US $ MILLION)**	268.69	244.51
13	Battery Limits	154.77	140.84
14	Off Sites	113.91	103.66
15			
16	**Production Costs**	¢/KG	¢/KG
17			
18	Raw Materials	28.06	28.46
19	By Product Credits	0.00	0.00
20	Utilities	3.07	3.96
21	**Total Variable Costs**	31.13	32.42
22			
23	Maintenance Materials	0.93	0.84
24	Operating Supplies	0.03	0.04
25	Operating Labor	0.32	0.40
26	Maintenance Labor	0.62	0.56
27	Control Laboratory	0.06	0.08
28	**Total Direct Costs**	33.09	34.34
29			
30	Plant Overhead	0.80	0.83
31	Taxes And Insurance	1.34	1.22
32	**Plant Cash Cost**	35.23	36.39
33			
34	Depreciation	6.72	6.11
35	**Plant Gate Cost**	41.95	42.50
36			
37	G + A, Sales, Res.,15.0%	5.00	5.00
38			

8. To open a Cost Table for one of the processes, click it. We'll click the first choice with the processes in Germany with the lowest Investment value. The Cost Table is displayed.



9. Export the Cost Table to Excel by clicking the **Export** button. The cells are active. You can change a cost, and the rest of the table adjusts to the cost change.



B16 3.51

ACETIC ACID FROM MEOH BY LOW PRESSURE CARBONYLATION, SUPPORTED Rh CATALYST

Geography: China, Shanghai, Product: ACETIC ACID, PEP Cost Index: 1107, Price: 29.48 ¢/KG, Code: 4M-17, Location Factor: 0.73 (1US $ = 6.39)

Cost of raw material, by-product and utilities

	Unit Cost	Unit Consumption per TONNE	Product Cost ¢/KG
RAW MATERIALS			28.37
CARBON MONOXIDE	35.09 ¢/NM3	424.07882 NM3	14.88
CATALYST AND CHEMICALS			0.57
METHANOL	23.71 ¢/KG	0.54472 TONNE	12.92
UTILITIES			4.13
COOLING WATER	3.51 ¢/M3	81.78496 M3	0.29
ELECTRICITY	7.09 ¢/KWH	147.70972 KWH	1.03
INERT GAS	6.5 ¢/NM3	11.81245 NM3	0.07
STEAM	1388.91 ¢/TONNE	1.971 TONNE	2.74

The cells are active. You can change amounts in the cells, and the rest of the table adjusts to the change.

PROCESS DESCRIPTION

This continuous process is based on a patent by R… similar to the widely used Monsanto process, except that it uses a heteroge… supported on polyvinylpyridines rather than a homogenous rh… and recycled methanol, carbon monoxide gas, and rhodium catalyst, toge… are fed separately to a stirred reactor operating at 200°C and 69 atm. Reaction temperature is maintained by controlling the temperatures of the feeds. Vapor from the reactor is cooled and expanded to 38°C and 2.4 atm. The unreacted gases are scrubbed with methanol to recover residual acetic acid and methyl iodide before the remaining gases are flared. The crude liquid product stream from the reactor is flashed to about 5.4 atm. The flashed vapors, containing acetic acid, water, methyl iodide, formic acid, and propionic acid are sent to the purification section of the plant. The remaining slurry is recycled to the reactor after a small portion is bled off for catalyst regeneration. The glacial acetic acid product and a crude propionic acid by-product are recovered from the crude product vapor stream through a series of five distillation columns. Overall yield is 98% of theoretical.

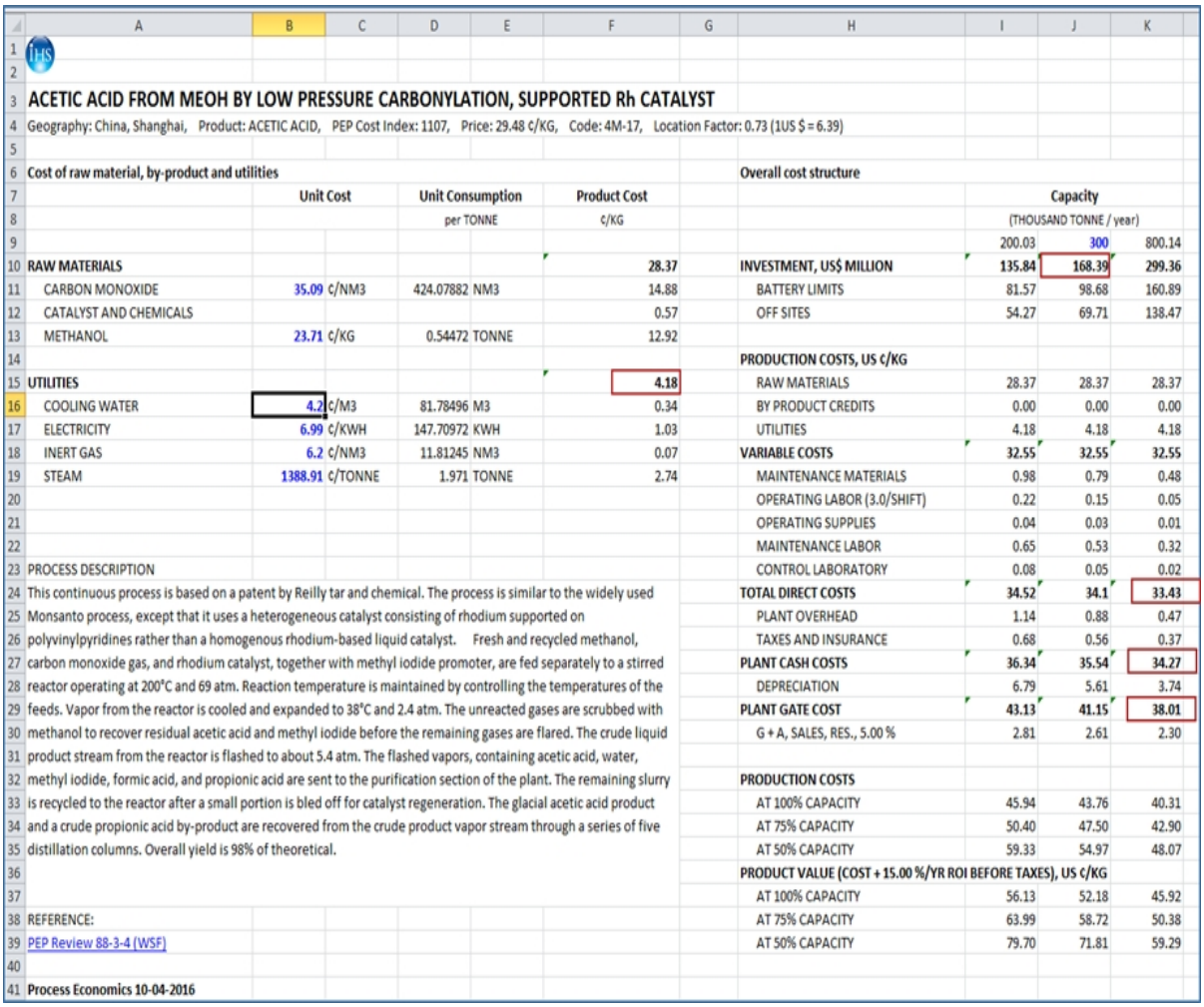
REFERENCE:

PEP Review 88-3-4 (WSF)

Overall cost structure

	Capacity (THOUSAND TONNE / year)		
	200.03	400.07	800.14
INVESTMENT, US$ MILLION	**135.84**	**196.14**	**299.36**
BATTERY LIMITS	81.57	112.98	160.89
OFF SITES	54.27	83.16	138.47
PRODUCTION COSTS, US ¢/KG			
RAW MATERIALS	28.37	28.37	28.37
BY PRODUCT CREDITS	0.00	0.00	0.00
UTILITIES	4.13	4.13	4.13
VARIABLE COSTS	**32.5**	**32.5**	**32.5**
MAINTENANCE MATERIALS	0.98	0.68	0.48
OPERATING LABOR (3.0/SHIFT)	0.22	0.11	0.05
OPERATING SUPPLIES	0.04	0.02	0.01
MAINTENANCE LABOR	0.65	0.45	0.32
CONTROL LABORATORY	0.08	0.04	0.02
TOTAL DIRECT COSTS	**34.47**	**33.8**	**33.38**
PLANT OVERHEAD	1.14	0.72	0.47
TAXES AND INSURANCE	0.68	0.49	0.37
PLANT CASH COSTS	**36.29**	**35.01**	**34.22**
DEPRECIATION	6.79	4.90	3.74
PLANT GATE COST	**43.08**	**39.91**	**37.96**
G + A, SALES, RES., 5.00 %	2.80	2.49	2.29
PRODUCTION COSTS			
AT 100% CAPACITY	45.88	42.40	40.25
AT 75% CAPACITY	50.34	45.70	42.83
AT 50% CAPACITY	59.26	52.30	48.00
PRODUCT VALUE (COST + 15.00 %/YR ROI BEFORE TAXES), US ¢/KG			
AT 100% CAPACITY	56.07	49.75	45.86
AT 75% CAPACITY	63.92	55.51	50.32
AT 50% CAPACITY	79.63	67.01	59.22

The following is an example of a change made to the spreadsheet. We changed the amount for Cooling Water and Capacity. After each change, we pressed **Enter**, and the appropriate adjustments were made in the tables. (We've indicated those changes with red boxes.)



ACETIC ACID FROM MEOH BY LOW PRESSURE CARBONYLATION, SUPPORTED Rh CATALYST

Geography: China, Shanghai, Product: ACETIC ACID, PEP Cost Index: 1107, Price: 29.48 ¢/KG, Code: 4M-17, Location Factor: 0.73 (1US $ = 6.39)

Cost of raw material, by-product and utilities

	Unit Cost	Unit Consumption per TONNE	Product Cost ¢/KG
RAW MATERIALS			28.37
CARBON MONOXIDE	35.09 ¢/NM3	424.07882 NM3	14.88
CATALYST AND CHEMICALS			0.57
METHANOL	23.71 ¢/KG	0.54472 TONNE	12.92
UTILITIES			4.18
COOLING WATER	4.2 ¢/M3	81.78496 M3	0.34
ELECTRICITY	6.99 ¢/KWH	147.70972 KWH	1.03
INERT GAS	6.2 ¢/NM3	11.81245 NM3	0.07
STEAM	1388.91 ¢/TONNE	1.971 TONNE	2.74

PROCESS DESCRIPTION

This continuous process is based on a patent by Reilly tar and chemical. The process is similar to the widely used Monsanto process, except that it uses a heterogeneous catalyst consisting of rhodium supported on polyvinylpyridines rather than a homogenous rhodium-based liquid catalyst. Fresh and recycled methanol, carbon monoxide gas, and rhodium catalyst, together with methyl iodide promoter, are fed separately to a stirred reactor operating at 200°C and 69 atm. Reaction temperature is maintained by controlling the temperatures of the feeds. Vapor from the reactor is cooled and expanded to 38°C and 2.4 atm. The unreacted gases are scrubbed with methanol to recover residual acetic acid and methyl iodide before the remaining gases are flared. The crude liquid product stream from the reactor is flashed to about 5.4 atm. The flashed vapors, containing acetic acid, water, methyl iodide, formic acid, and propionic acid are sent to the purification section of the plant. The remaining slurry is recycled to the reactor after a small portion is bled off for catalyst regeneration. The glacial acetic acid product and a crude propionic acid by-product are recovered from the crude product vapor stream through a series of five distillation columns. Overall yield is 98% of theoretical.

REFERENCE:

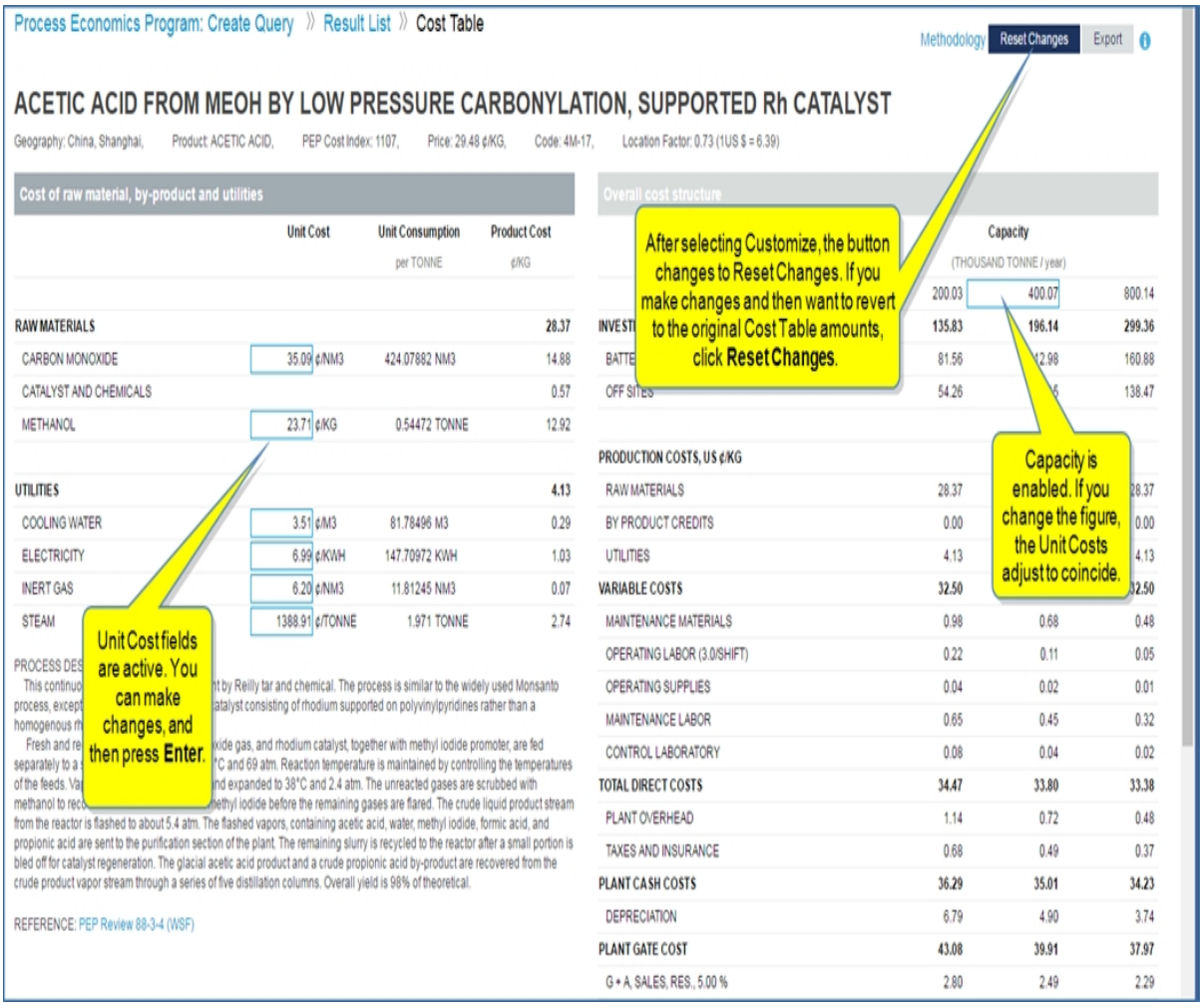
PEP Review 88-3-4 (WSF)

Process Economics 10-04-2016

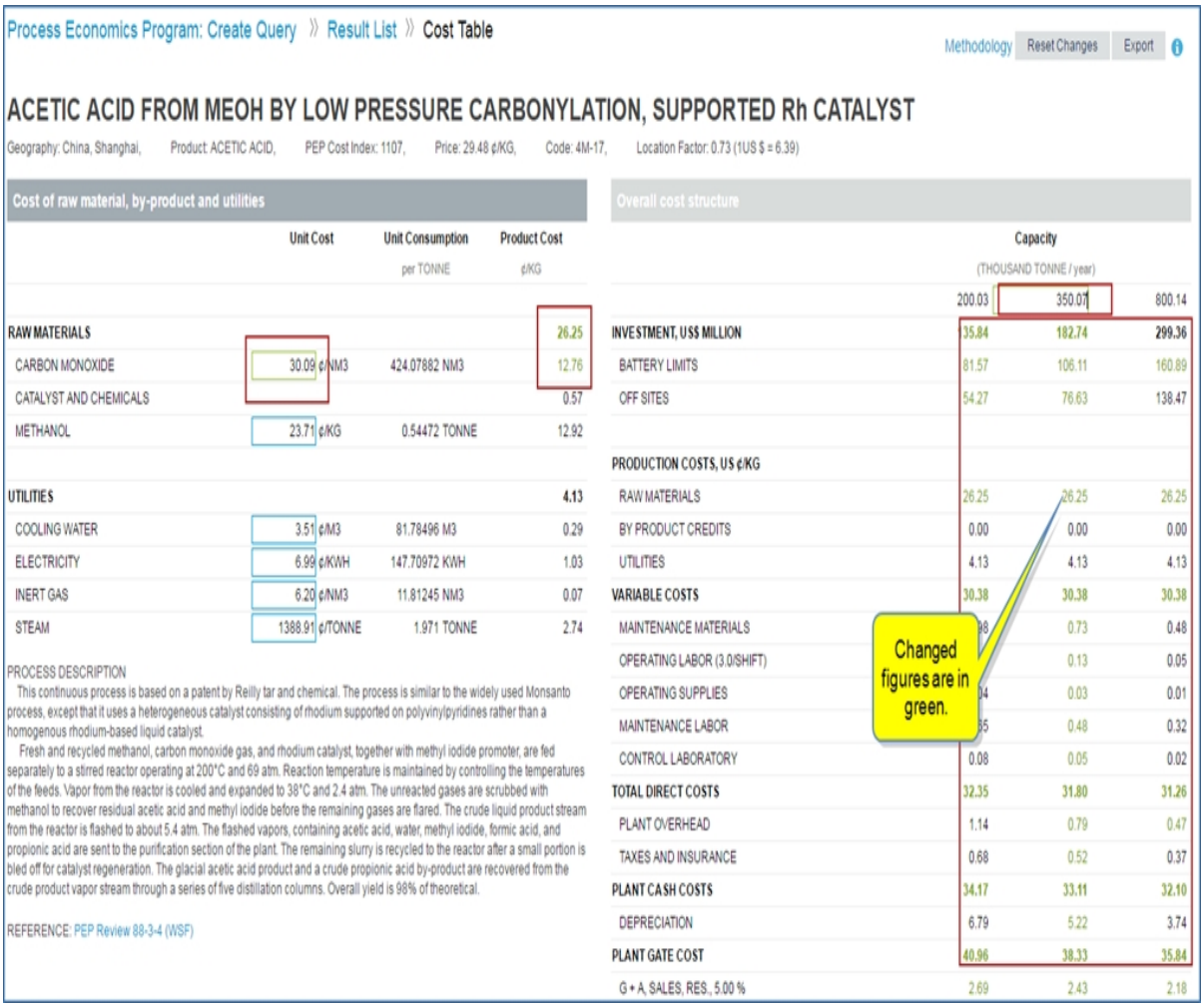
Overall cost structure

	Capacity (THOUSAND TONNE / year)		
	200.03	300	800.14
INVESTMENT, US$ MILLION	135.84	168.39	299.36
BATTERY LIMITS	81.57	98.68	160.89
OFF SITES	54.27	69.71	138.47
PRODUCTION COSTS, US ¢/KG			
RAW MATERIALS	28.37	28.37	28.37
BY PRODUCT CREDITS	0.00	0.00	0.00
UTILITIES	4.18	4.18	4.18
VARIABLE COSTS	32.55	32.55	32.55
MAINTENANCE MATERIALS	0.98	0.79	0.48
OPERATING LABOR (3.0/SHIFT)	0.22	0.15	0.05
OPERATING SUPPLIES	0.04	0.03	0.01
MAINTENANCE LABOR	0.65	0.53	0.32
CONTROL LABORATORY	0.08	0.05	0.02
TOTAL DIRECT COSTS	34.52	34.1	33.43
PLANT OVERHEAD	1.14	0.88	0.47
TAXES AND INSURANCE	0.68	0.56	0.37
PLANT CASH COSTS	36.34	35.54	34.27
DEPRECIATION	6.79	5.61	3.74
PLANT GATE COST	43.13	41.15	38.01
G + A, SALES, RES., 5.00 %	2.81	2.61	2.30
PRODUCTION COSTS			
AT 100% CAPACITY	45.94	43.76	40.31
AT 75% CAPACITY	50.40	47.50	42.90
AT 50% CAPACITY	59.33	54.97	48.07
PRODUCT VALUE (COST + 15.00 %/YR ROI BEFORE TAXES), US ¢/KG			
AT 100% CAPACITY	56.13	52.18	45.92
AT 75% CAPACITY	63.99	58.72	50.38
AT 50% CAPACITY	79.70	71.81	59.29

10. To customize the Cost Table within Connect, select the **Customize** button. Cost areas become active, so you can enter changes to the figures. When you make a change in an active field, press **Enter** and the associated fields adjust. If you want to return to the original figures, click **Reset Changes**.



In the following example, we've changed the cost for Carbon Monoxide. We've also changed the Capacity amount. The new adjustment costs are printed in green.



Risks and Ratings

Risks and Ratings feature overview

The information for Risks and Ratings is provided by Economics, Country (for Country Risk table, the Sovereign Risk table and Banking Risk table), Energy (for the E&P Ratings and Rankings table), and Life Sciences (for Pharma Market Access Risk).. When you navigate to Insight Risks and Ratings, you may see one, two, three, or four of these services, depending upon your subscription. Risks and Ratings provides end-to-end coverage of political, violent, sovereign, banking, and investment risk worldwide

- ***Country Risk*** — ranks countries using a more precise risk scoring system based on a 0.1-10 logarithmic scale, based on 6 aggregates and 22 sub-aggregate risk categories. The risk analysis of these

categories allows a company to assess the current and future risks of a country, as well as changes in the risk forecast.

- ***Sovereign Risk*** — analyzes short term and medium term overall risk that addresses how credit worthy a country may be for purposes of lending capital.
- ***Banking Risk*** — assesses the present level of risk that a rated banking sector will face over a three-year horizon using a proprietary and unique banking sector risk system.
- ***E&P Ratings and Rankings*** — ranks countries using an aggregated score ("Overall Rating") which factors in three categories of business attractiveness: Exploration & Production (E&P), Fiscal, and Political. The risk analysis of these categories allows a company to assess the worthiness of pursuing exploration and production.
- ***Pharma Market Access Risk*** — Market Access Risk Scores (MARS) allows comparison of the market access climate for pharmaceutical companies around the world. The system — under which qualitative and quantitative factors are separately rated in each country — provides a comprehensive picture of the quality of conditions and the level of stability of the market access environment. Risk is defined as the likelihood or probability of an event having a significant material impact. The 0-1- scale is logarithmic with base 2.2. Ratings are thoroughly reviewed quarterly, but can also be changed immediately when significant risk-relevant events occur and alter the environment.

For each of these services, presents with a Map and Table view. If you subscribe to Oil & Gas Risk Service (OGRS), E&P Ratings and Rankings also displays spider, bar, and timeline charts. The default view is the Map, but you can select the Table and move through the four services with your current view persisting.

The filters you select in the Map view are displayed in the Table view when you open the Table. Therefore, you can customize the geography on the Map, and the Table will display the same customization when you select Table. Likewise, you can view settings you make on the Table also on the Map, just by switching views.

E&P Ratings and Rankings contains a Chart view available for Oil & Gas Risk Service (OGRS) customers and provides a Spider, Bar, or Timeline chart for political risk that you can Export to Image, Export to PDF, Print, or Save to My Connect when you select the Menu bar icon. You can also export country scores by selecting

.

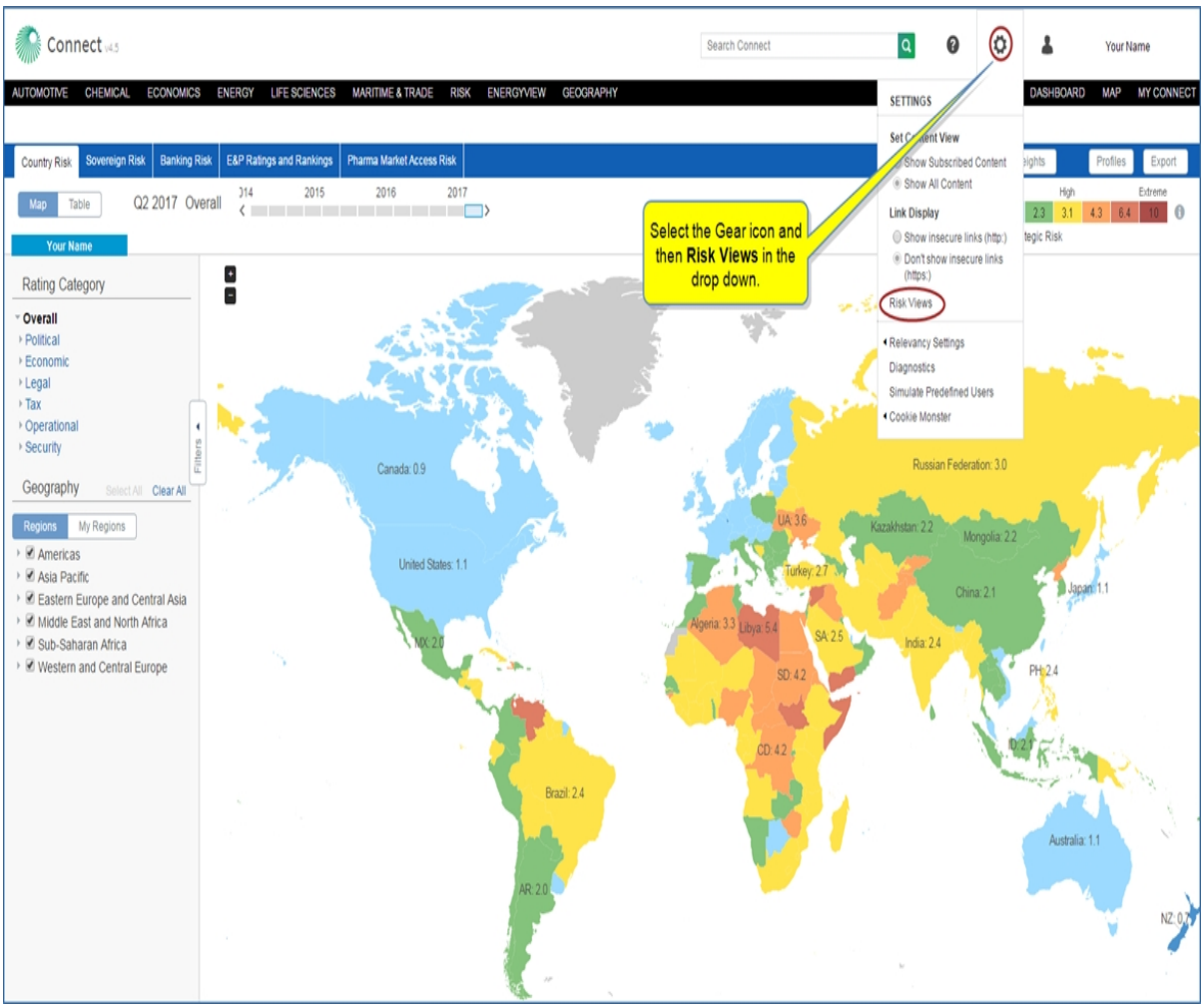
From the Map, Table, and Chart views, you can create Profiles—a Profile saves your settings so you can display them when you return to Risks and Ratings. You can also export a map or table by clicking the **Export** button. *See Creating a Profile from the Map , Creating a Profile from a Table, Exporting a Map,* and *Exporting a Table* below.

The Risk Views, My Regions, Map, Table, and Chart features are highlighted below.

- Risk Views
- My Regions
- Map features
- Table features
- Chart features

Risk Views

You can access Risk Views on the drop-down next to your name.



The default setting is Strategic Risk.

Select Political Risk, Violent Risk, or Security Risk to change your preference, and then click **Apply**

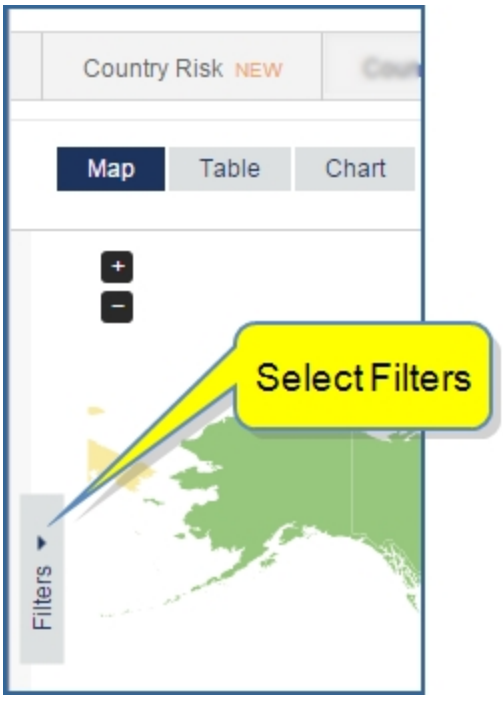
Risk Views appear under the colored risk ratings.

My Regions

The Risk and Ratings tool covers the following regions: Americas, Asia Pacific, Eastern Europe an Central Asia, Middle East and North Africa, Sub-Saharan Africa, and Western and Central Europe. Each of these regions includes many countries. You may want to create your own region(s), customized to cover countries you want included in the region.

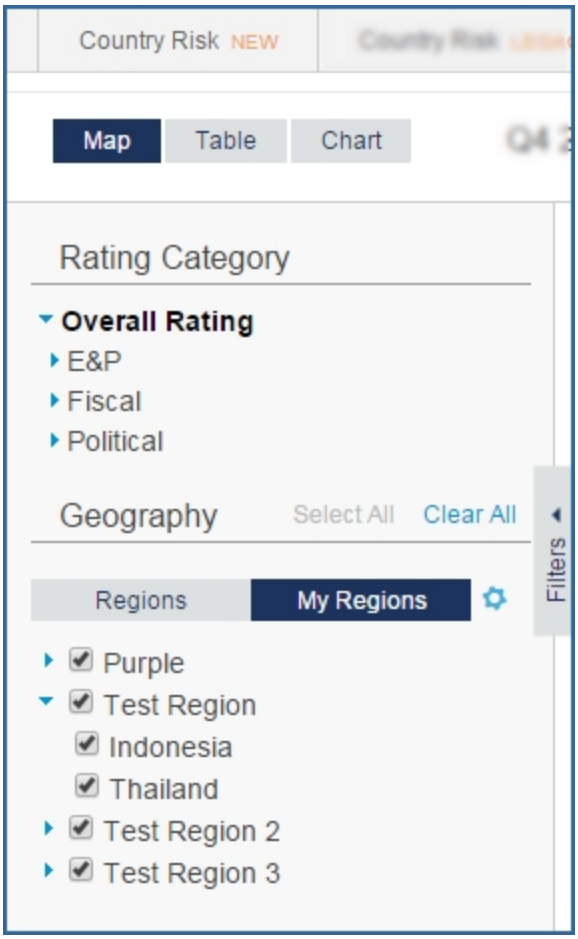
To create or edit your own region on Tools > Risks and Ratings

1. On the Map, Table, or Chart page, select **Filters**.



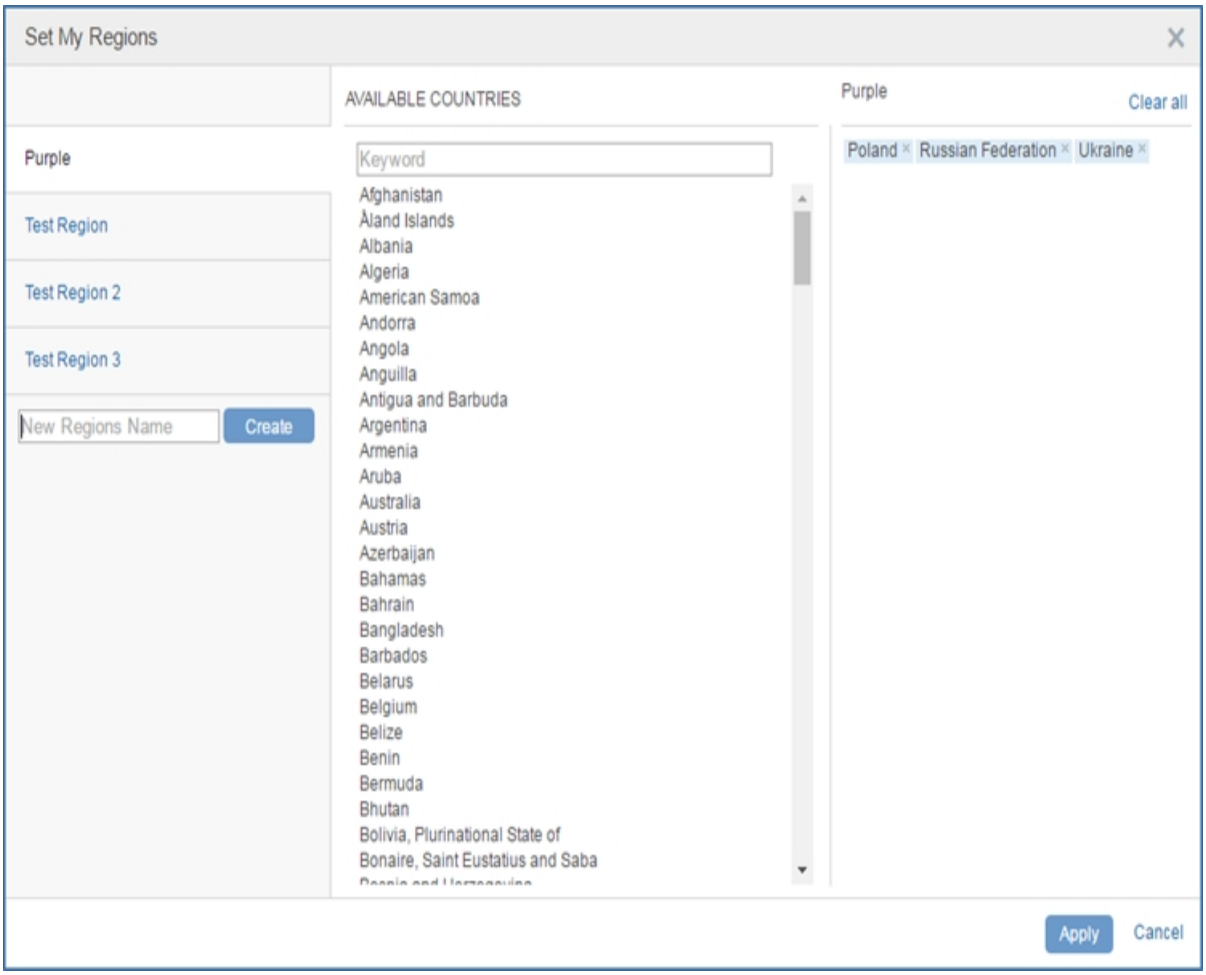
2. Select **My Regions**.

   Any customized My Regions are listed, and the countries included are listed when you expand the region.

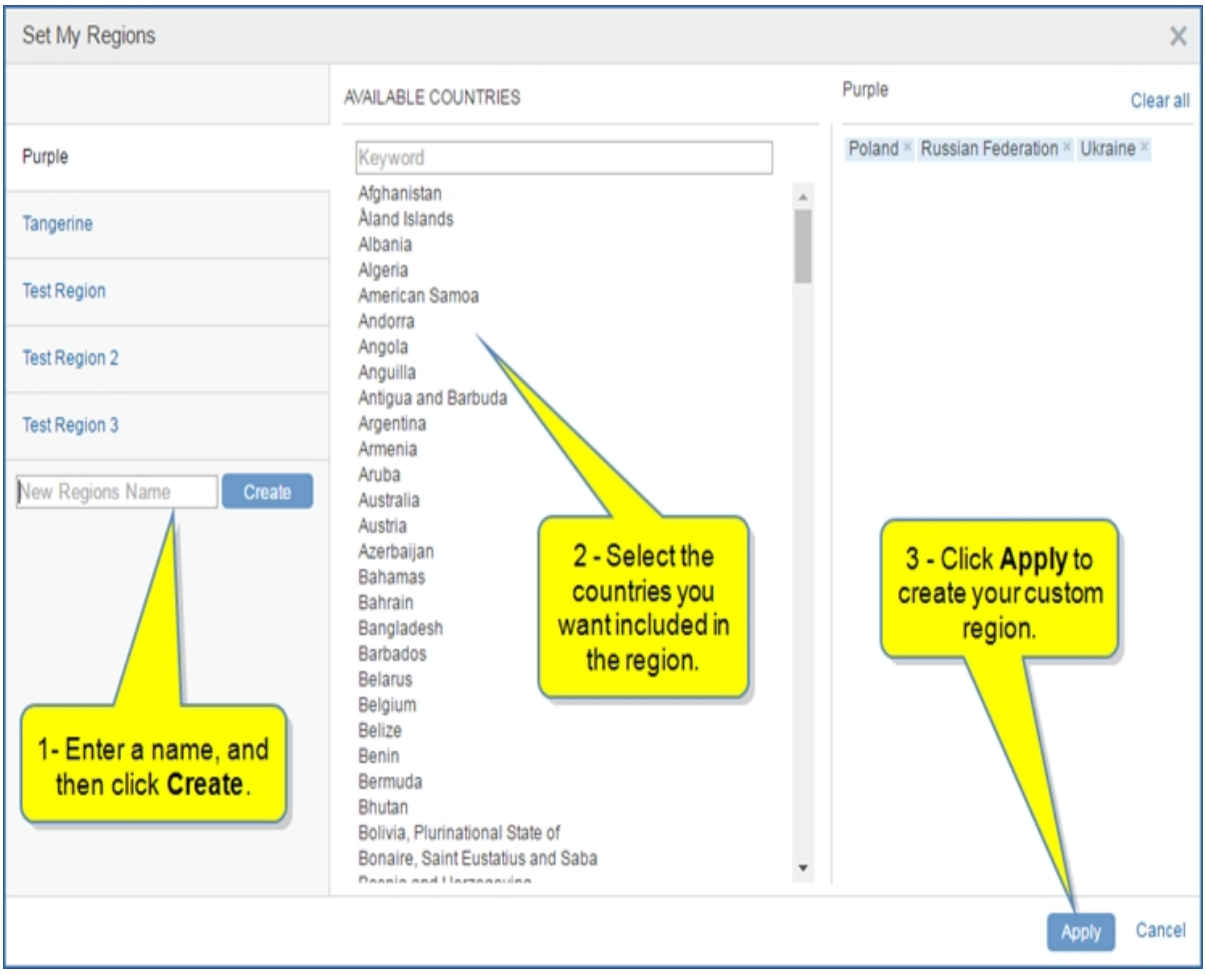


3. Click the gear icon to display the ***Set My Regions*** dialog.

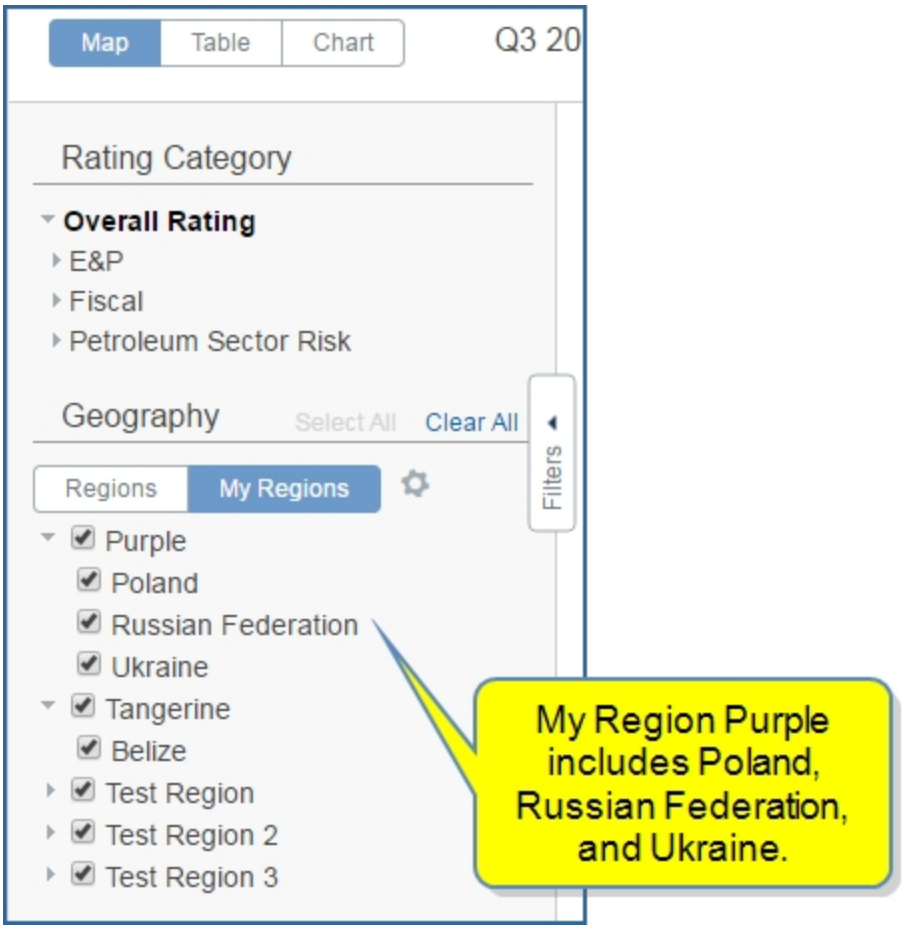
   The ***Set My Regions*** dialog box is displayed. In the following example, there are three customized regions (My Region). After selecting a customized region on the list, you can delete any of the countries listed in the right pane by clicking the x, or you can remove all counties by clicking **Clear all**.



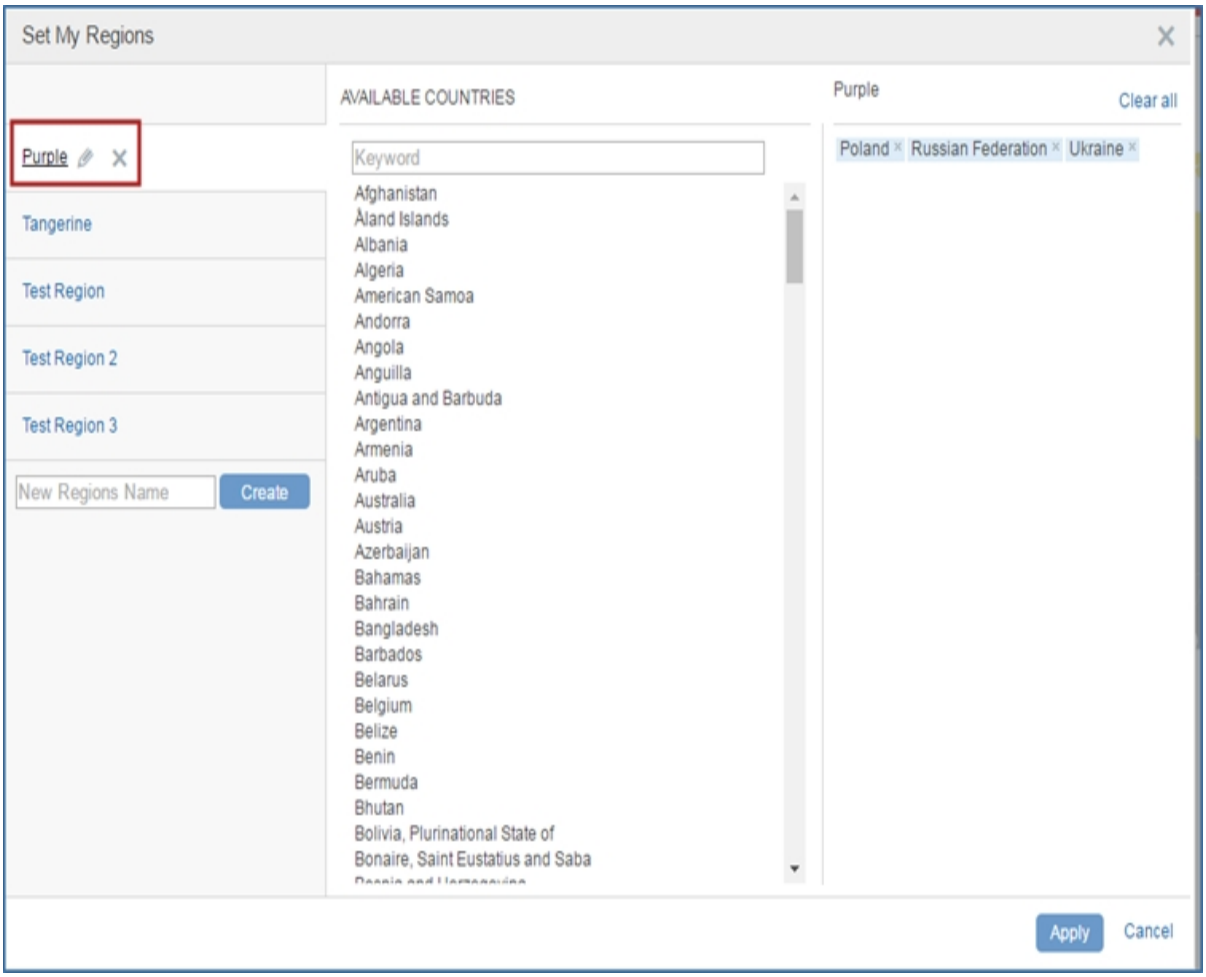
4. Enter a name, select the countries you want included in the region or enter the country in the keyword field, and then click **Apply**.



The region you created now appears under My Regions with the countries you selected for the region. In this example, the custom region is "Purple" and includes "Poland," "Russian Federation," and "Ukraine."



5. To Edit or Remove a custom region, click the gear icon , hover the name of a region, and select the **Edit** or **Remove** icons.



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For more information about My Regions, view My Regions.

Map features

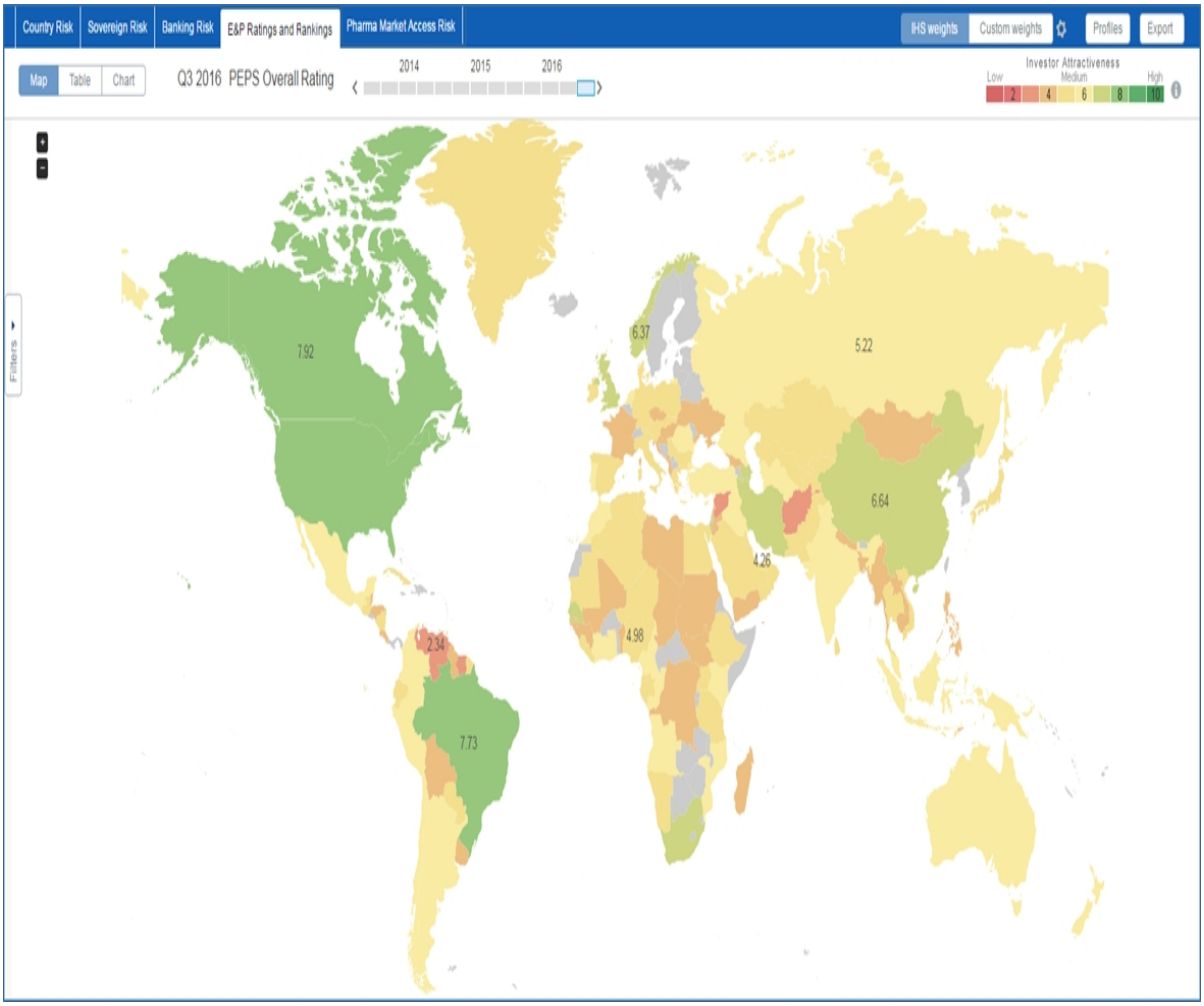
When you open Risk > Country Risk > Risks and Ratings, the first view is the Map view.

- The title of the map indicates the quarter, year, and category of the information.
- You can change the date of the map using the time slider.
- Countries are colored according to their level of risk / attractiveness. The color scale is displayed in the top right side. Blue colors indicate lowest risk, yellow high risk, and red the highest risk. For E&P Ratings and Rankings and Sovereign Risk, green colors indicate lowest risk / highest attractiveness / investment grade. Yellow colors indicate medium risk / attractiveness / speculative grade, and red colors indicate the highest risk / the lowest attractiveness / actual default. (Note that each service has its own rating scale: Country Risk and Pharma Market Access Risk 0.1-10; E&P Ratings and Rankings from 0 to 5; Sovereign Risk and Banking Risk rank countries from 0 to 100.)
- The Methodology Icon to the right of the color code opens documentation describing the methods used by the analyst to gather and present the information pertinent to the page you are viewing.

- Plus and minus signs allow you to zoom in and out of the map. When you zoom in, you see more data on the map for areas that are enlarged. You can also move the map vertically and horizontally by clicking and dragging.
- The Filters bar expands when you click it, displaying rating categories, sub categories, and links that allow you to customize the map. Your customized settings will be applied to the Table when you switch to the Table view.
- By clicking the **Profiles** button, you can save the customized settings you have created for the Map and Table.
- When you click the **Export** button, you can export the map to an image, PDF, or to Power Point, or you can save it to My Connect.

E&P Ratings and Rankings

E & P Ratings and Rankings displays the following map.

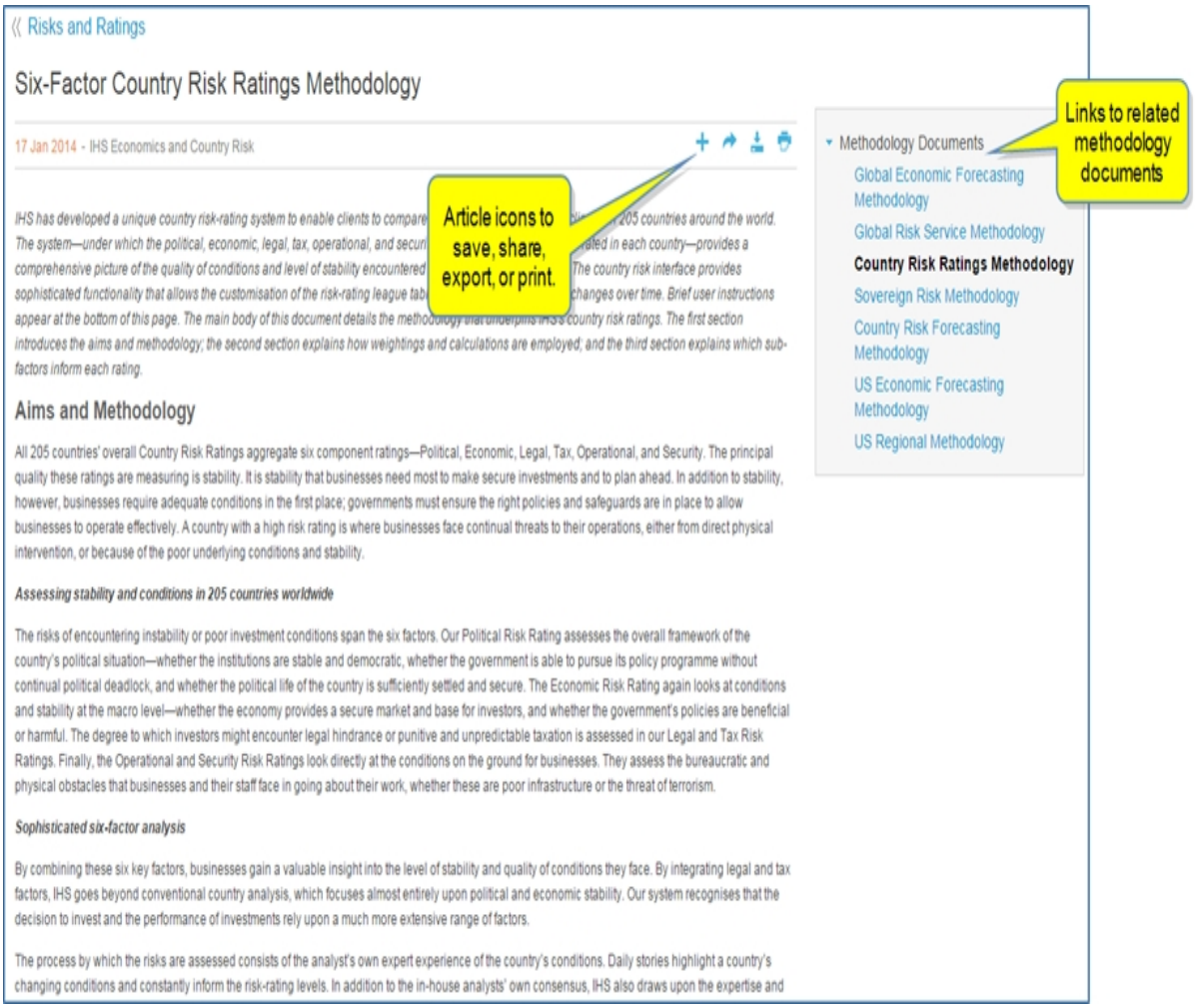


Time Slider

If you want to see the overall ratings in a previous quarter or year, you can click on the time slider. The map will reload, and the title will change to identify the time period for the data displayed.

Reading the Methodology

When you click the Methodology Icon , the document describing methodology is displayed as a scrollable document you can save, share, export or print using the article icons.



Article view presents a single, scrollable view of all the content. Use the Table of Contents links to navigate to categories of content.

Article icons allow you to save, share, export, or print the entire article.

Add the article to a folder on My Connect.

Share the article with another person through email.

Export the article to PDF format. The PDF version will appear in the lower left corner of your screen.

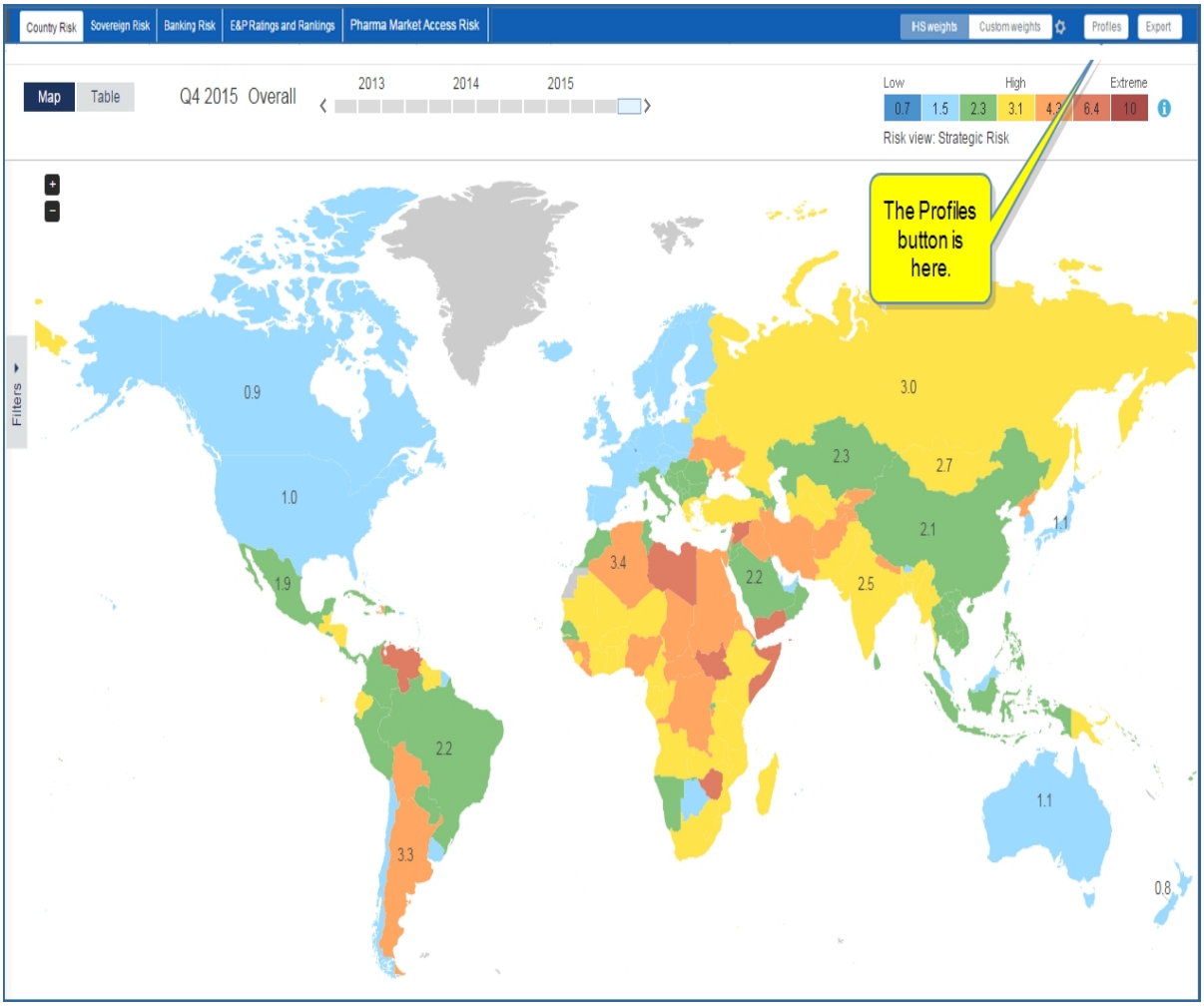
Print the article.

Turn on Information icons throughout the article. Then click the icons to display line item definitions for a term, a link to more details for the term, and the Line Item Definitions linked tree.

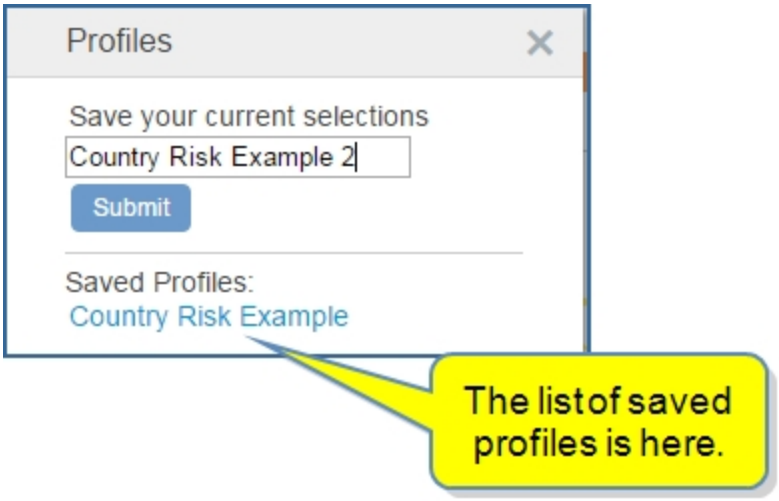
Turn off Information icons throughout the article.

Creating a Profile from the Map

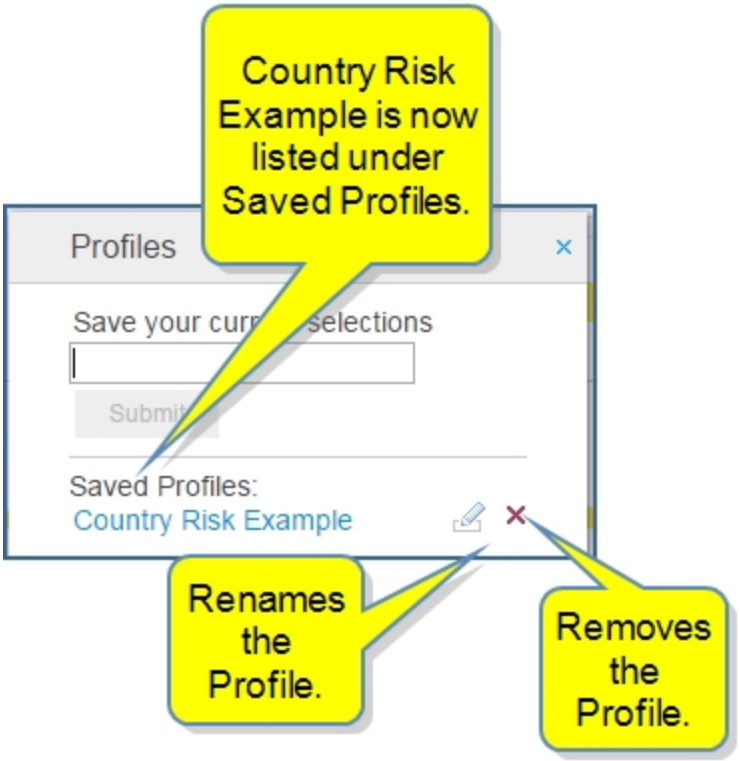
When you want to save settings to the Map and Table, click the **Profiles** button. All of your settings, including the designated countries and regions, custom zoom on the map, sub categories of risk on the table—all settings for the map and table are saved under a name you designate for the Profile.



The Profiles dialog box provides a field to enter a name for a profile. Enter a name and click **Submit**.



When you return to the Map or Table view and select Profiles, you can see the list of Saved Profiles. In the following example, clicking the link **Country Risk Example** will return the Map or the Table to your customized settings. You also have the option of renaming or removing the Profile.



Exporting a Map

The **Export** button is available on the Map and Table view.

When you click the **Export** button in the Map view, a pop-up box opens with links to Export to Image, PDF, or Power Point, Save to My Connect.

After you've made your selection, your object appears in the lower left corner of the page with an arrow and pop-up.

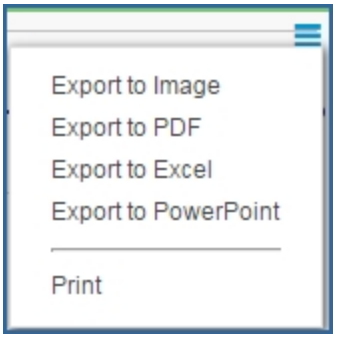
When you click **Open**, the map is displayed as an image, PDF, or Power Point presentation.

Country Snapshot from the Map view

Click on a risk score in the Map from Country Risk to display a Country Snapshot that includes an Overall Rating, a chart that shows all the successive risk ratings, Last Change note, a link to the Country Profile page, the expert analyst profile, and to the Expert Directory.

Below, the Russian Federation chart is from a Country Risk Map.

The Menu icon and drop-down list give you several choices with the chart.

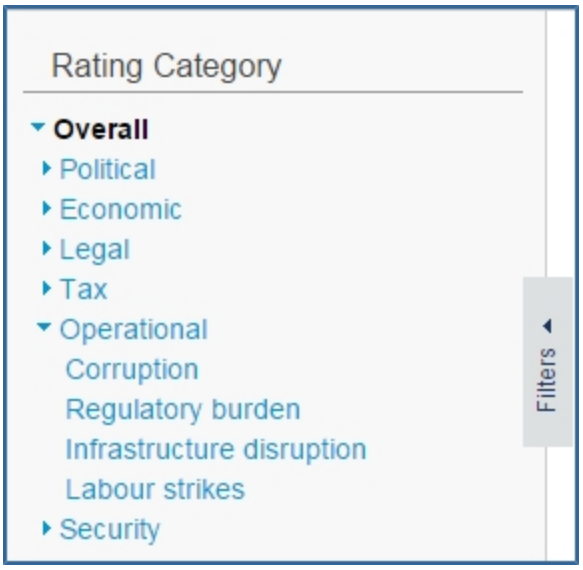


- You can export the chart to an image, PDF document, Excel spreadsheet, or PowerPoint page.
- You can print the chart or save the chart to My Connect.

Table features

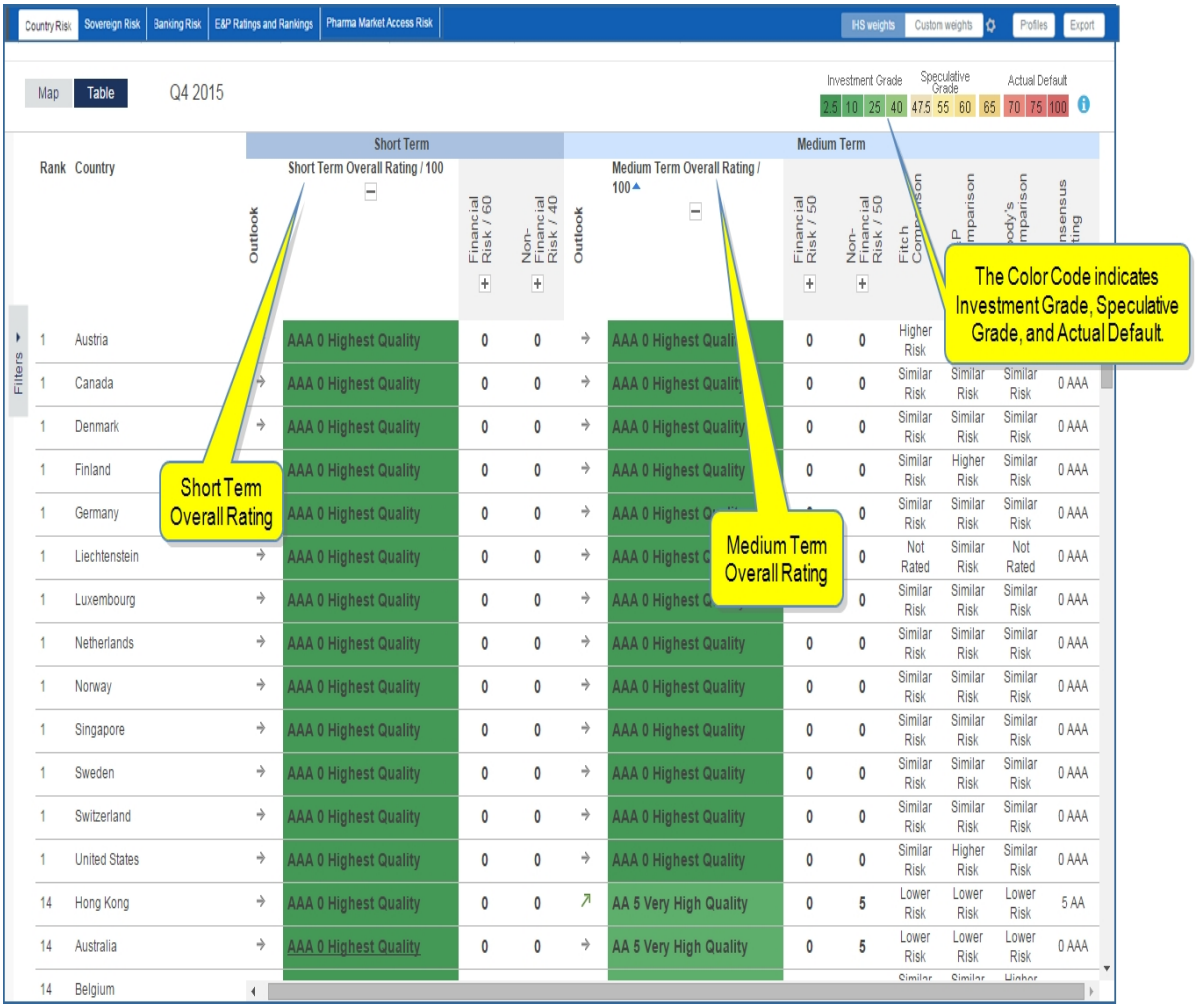
The Table View can display multiple categories at once, and you have the ability to show or hide sub categories. The horizontal hierarchy matches the categories listed on the Map.

In the following graphic you see the Map hierarchy. You can expand and contract the sub categories by clicking the arrow and blue lettering. Notice that the sub categories match the horizontal listing in the Table view.



The following Table displays Country Risk. The first column is the Overall Rating followed by the sub categories that combine to make the overall rating.

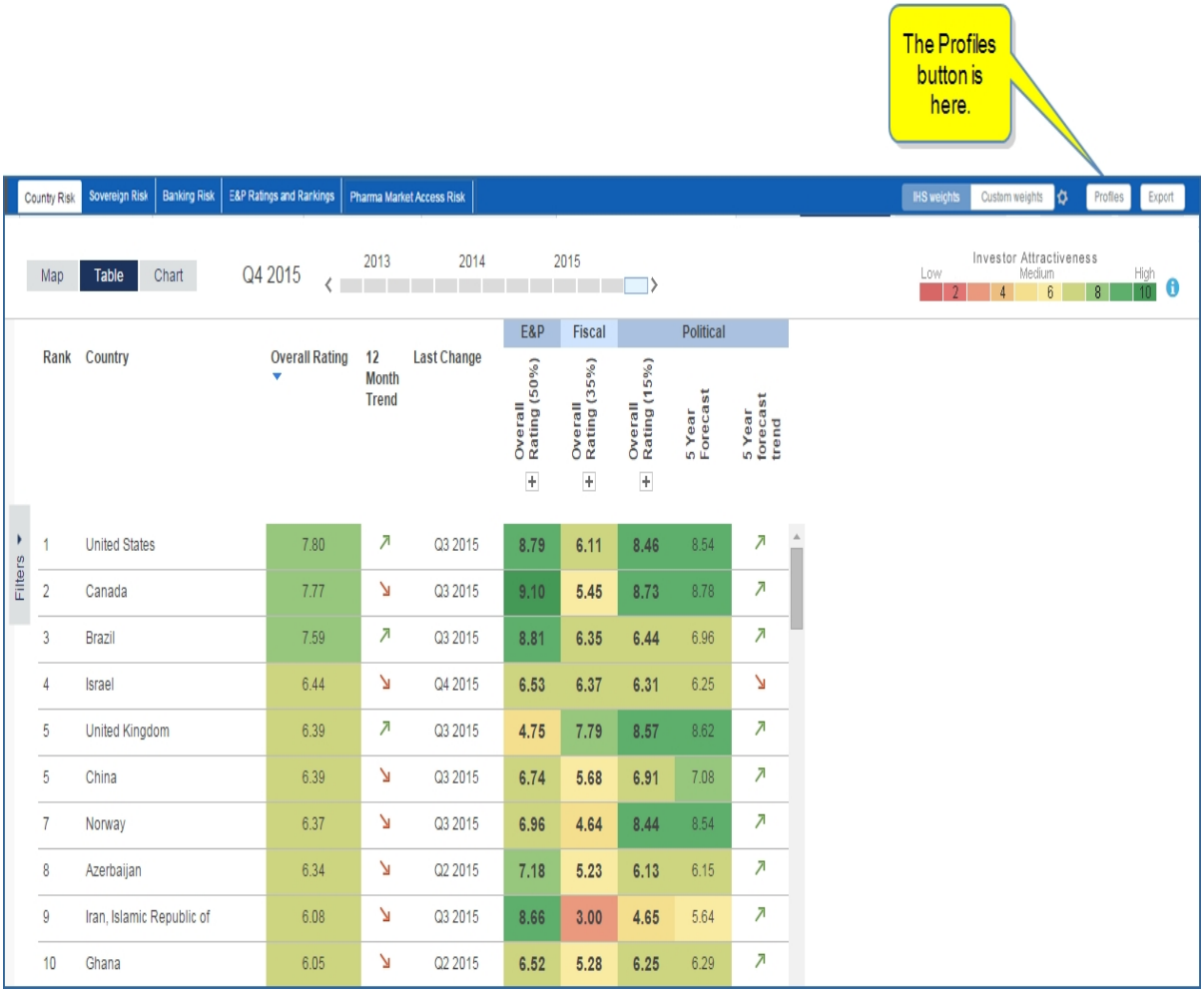
The Sovereign Risk table shows a column for Short Term Overall Rating and another column for Medium Term Overall Rating. The color code indicates green for Investment Grade, yellow indicates Speculative Grade, and red indicates Actual Default.



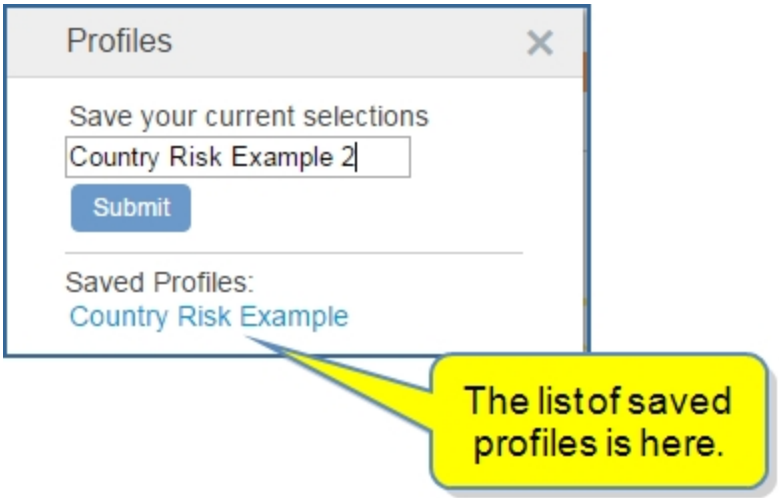
You can change the sort order by clicking a column heading. In the following example, the Table is sorted by E&P Reserves.

Creating a Profile from a Table

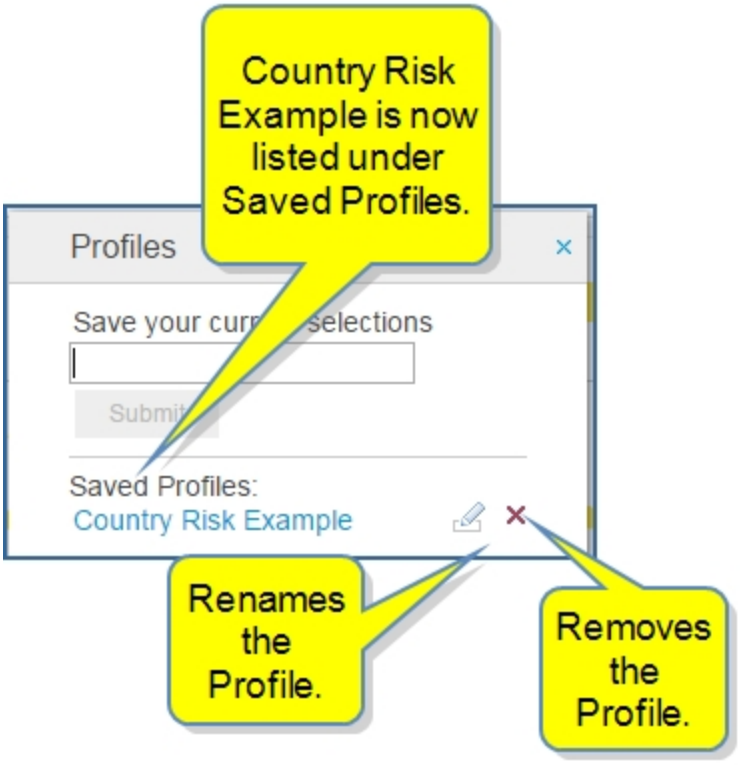
When you want to save settings to the Map and Table, click the **Profile** button. All of your settings, including the designated countries and regions, custom zoom on the map, sub categories of risk on the table—all settings for the map and table are saved under a name you designate for the Profile.



The Profiles dialog box provides a field to enter a name for a profile. Enter a name and click **Submit**.



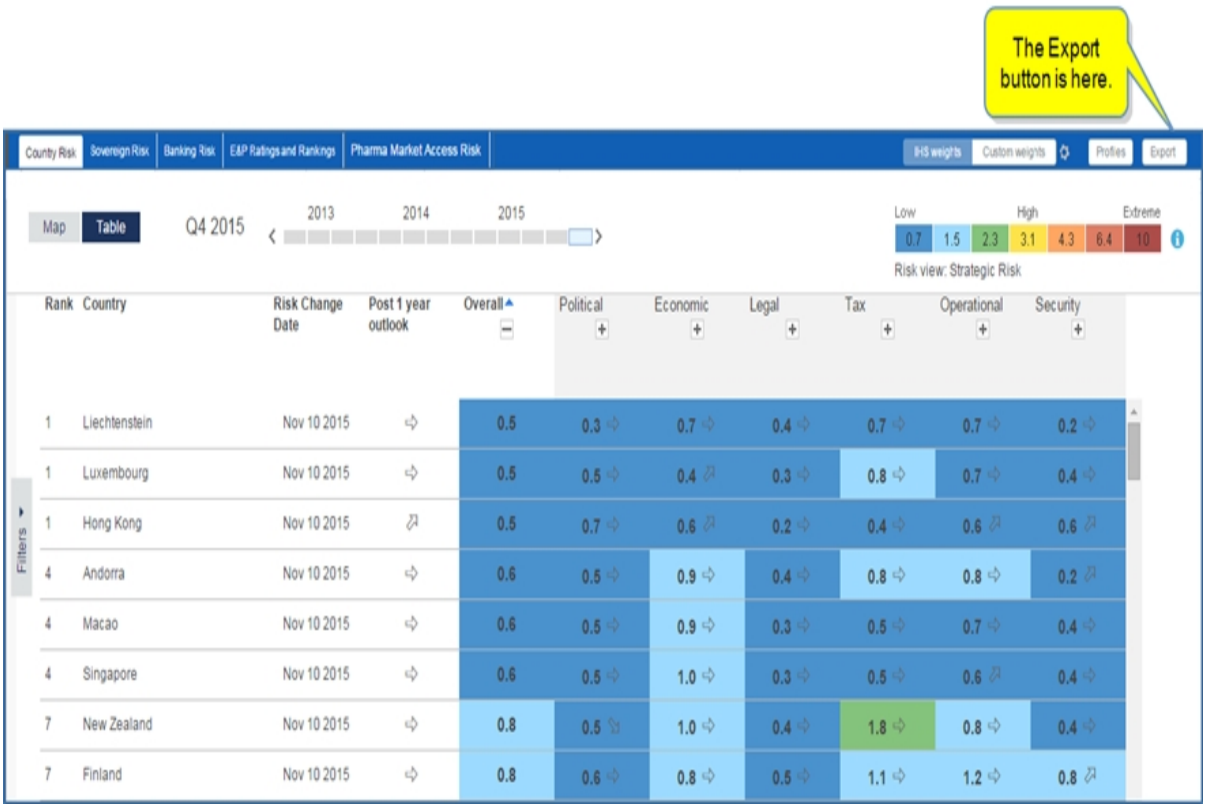
When you return to the Map or Table view in Global Research Risks and Ratings at a later time, you can click the Profile button and see the list of Saved Profiles. In the following example, clicking the link **Country Risk Example** will return the Map or the Table to your customized settings. You also have the option of renaming or removing the Profile.



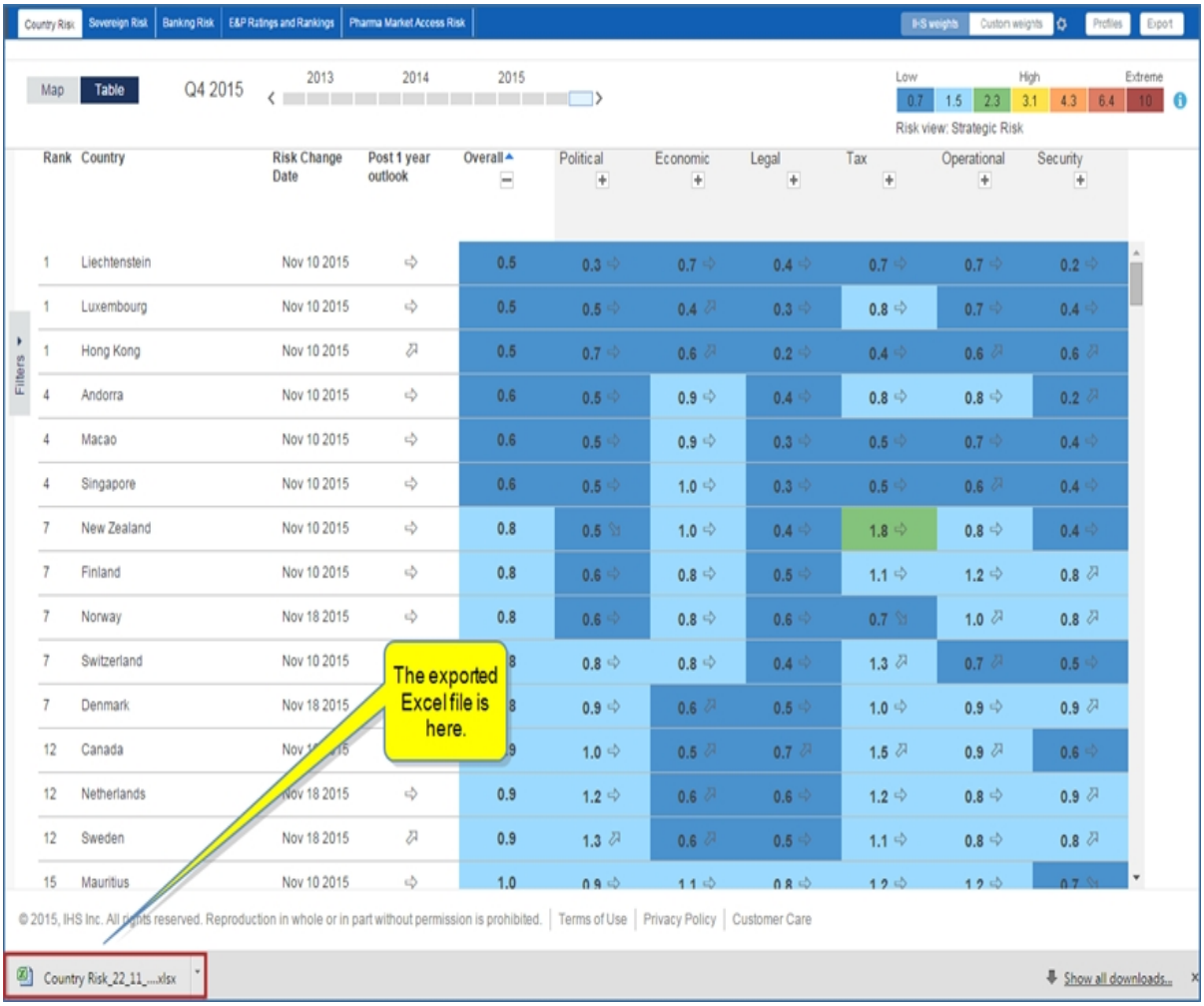
Exporting a Table

When you export a table, Connect exports your selection of countries and risk columns into an Excel spreadsheet. If some of the columns are hidden in the Connect application, they will also appear hidden in the Excel spreadsheet, but you will be able to show hidden columns in the spreadsheet. Therefore, you can manipulate the data in the spreadsheet as you do in Connect.

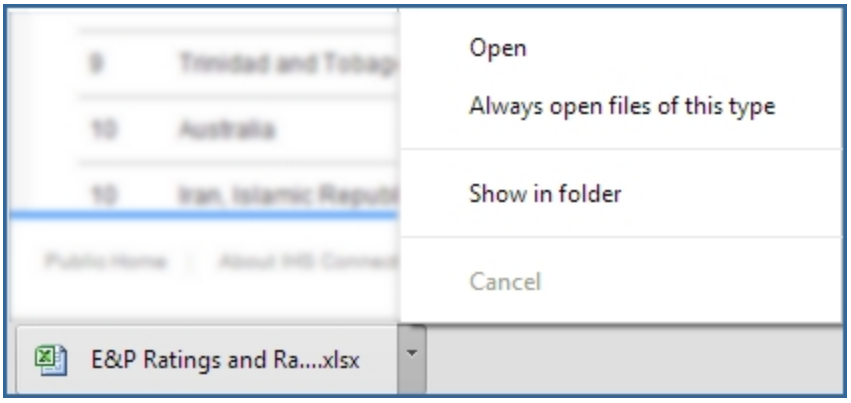
In both the Map and Table views, the **Export** button is available in the upper, right, corner of the page.



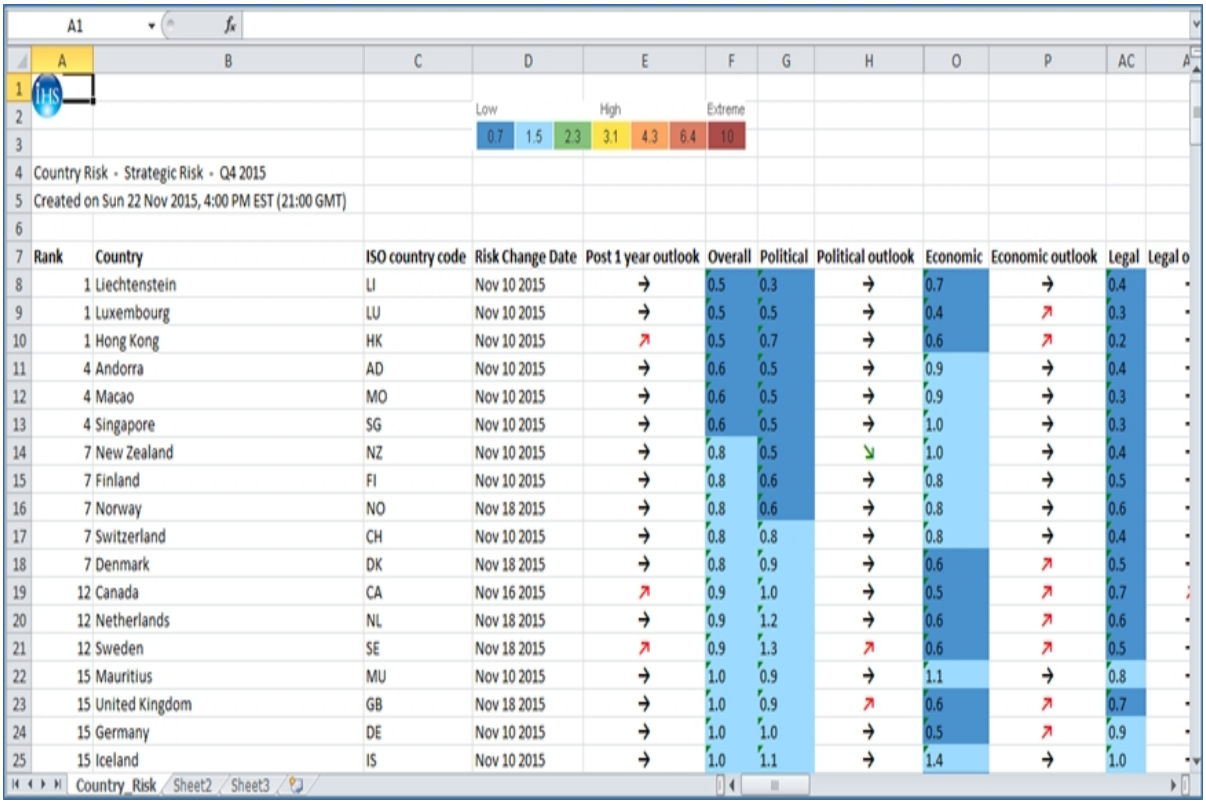
When you click the **Export** button in the Table view, an Excel file is displayed in the lower, left of the page. You'll see a small arrow to the right of the file.



Click the arrow to open a dialog box, and then click **Open**.



The spreadsheet is displayed.



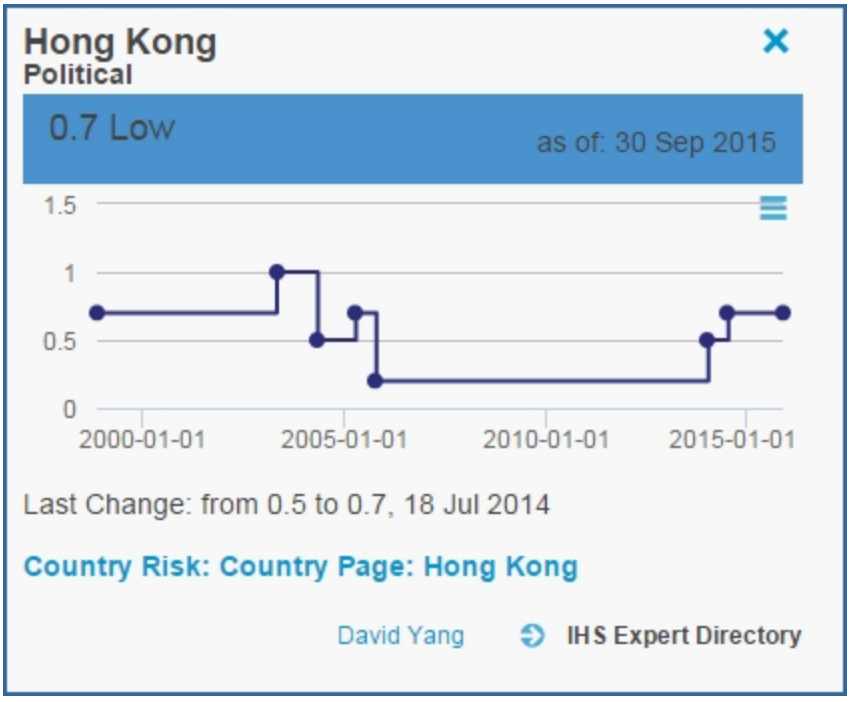
			Low		High		Extreme					
			0.7	1.5	2.3	3.1	4.3	6.4	10			
Country Risk - Strategic Risk - Q4 2015												
Created on Sun 22 Nov 2015, 4:00 PM EST (21:00 GMT)												
Rank	**Country**	**ISO country code**	**Risk Change Date**	**Post 1 year outlook**	**Overall**	**Political**	**Political outlook**	**Economic**	**Economic outlook**	**Legal**	**Legal o**	
1	Liechtenstein	LI	Nov 10 2015	→	0.5	0.3	→	0.7	→	0.4		
1	Luxembourg	LU	Nov 10 2015	→	0.5	0.5	→	0.4	↗	0.3		
1	Hong Kong	HK	Nov 10 2015	↗	0.5	0.7	→	0.6	↗	0.2		
4	Andorra	AD	Nov 10 2015	→	0.6	0.5	→	0.9	→	0.4		
4	Macao	MO	Nov 10 2015	→	0.6	0.5	→	0.9	→	0.3		
4	Singapore	SG	Nov 10 2015	→	0.6	0.5	→	1.0	→	0.3		
7	New Zealand	NZ	Nov 10 2015	→	0.8	0.5	↘	1.0	→	0.4		
7	Finland	FI	Nov 10 2015	→	0.8	0.6	→	0.8	→	0.5		
7	Norway	NO	Nov 18 2015	→	0.8	0.6	→	0.8	→	0.6		
7	Switzerland	CH	Nov 10 2015	→	0.8	0.8	→	0.8	→	0.4		
7	Denmark	DK	Nov 18 2015	→	0.8	0.9	→	0.6	↗	0.5		
12	Canada	CA	Nov 16 2015	↗	0.9	1.0	→	0.5	↗	0.7		
12	Netherlands	NL	Nov 18 2015	→	0.9	1.2	→	0.6	↗	0.6		
12	Sweden	SE	Nov 18 2015	↗	0.9	1.3	↗	0.6	↗	0.5		
15	Mauritius	MU	Nov 10 2015	→	1.0	0.9	→	1.1	→	0.8		
15	United Kingdom	GB	Nov 18 2015	→	1.0	0.9	↗	0.6	↗	0.7		
15	Germany	DE	Nov 10 2015	→	1.0	1.0	→	0.5	↗	0.9		
15	Iceland	IS	Nov 10 2015	→	1.0	1.1	→	1.4	→	1.0		

Country_Risk Sheet2 Sheet3

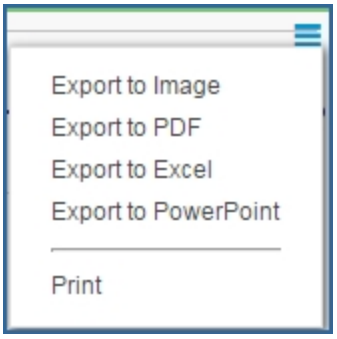
Country Snapshot from the Table view

Click on a risk score in a Table on the Country Risk page to display a Country Snapshot that includes an Overall Rating, a chart that shows all the successive risk ratings, Last Change note, a link to the Country Profile page, the expert analyst profile, and to the Expert Directory.

Below, the Russian Federation chart is from a Country Risk Table.



The Menu icon and drop-down list give you several choices with the chart.



- You can export the chart to an image, PDF document, Excel spreadsheet, or PowerPoint page.
- You can print the chart or save the chart to My Connect.

Chart features

The Chart features under E&P Ratings and Rankings allow you to display a Spider, Bar, or Timeline chart based on criteria from Oil & Gas Risk Category and Geography (Regions and My Regions) in the left pane. The chart displays can show Current views or 5-Year Outlook views, or both.

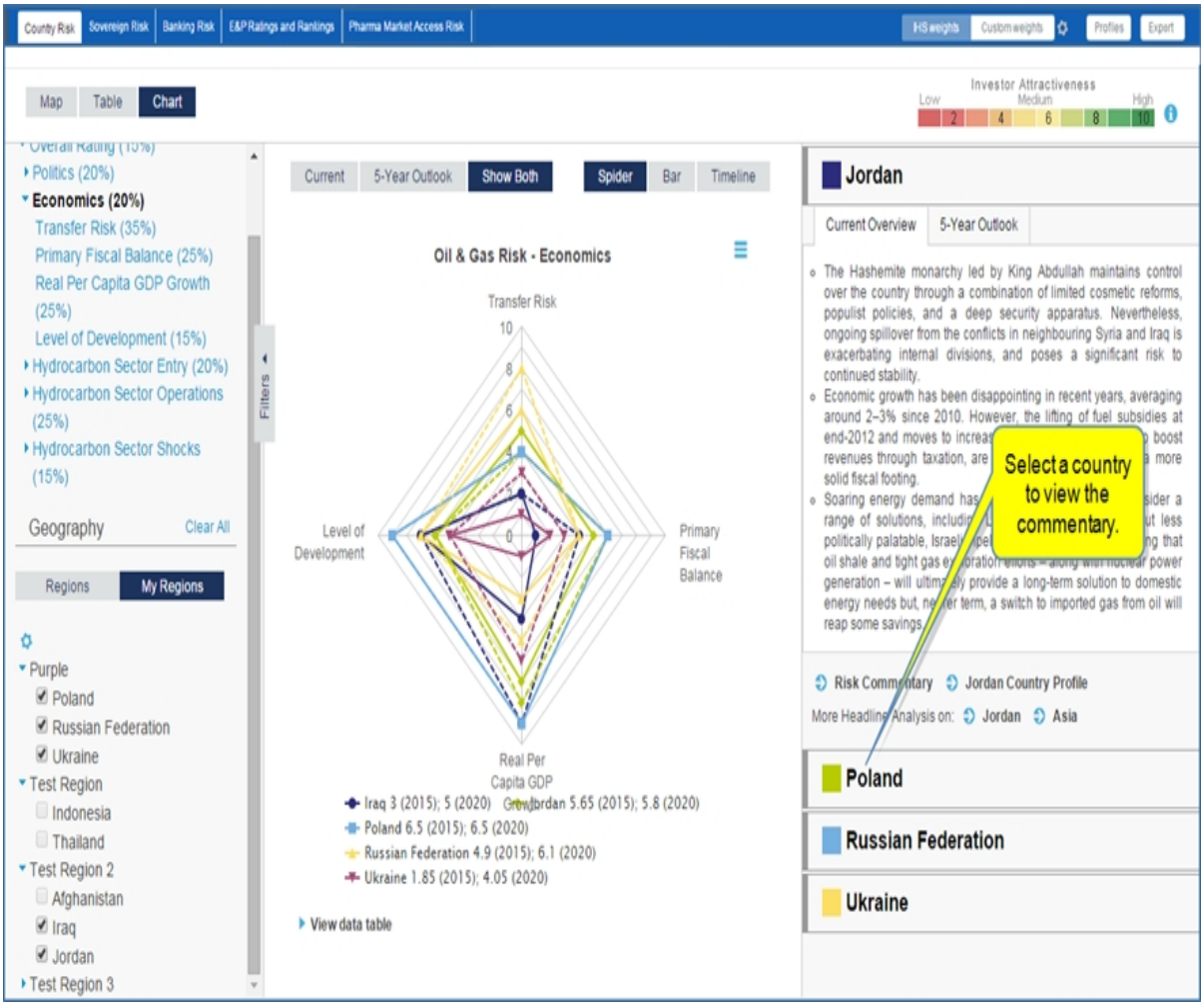
We'll cover the Spider chart and then add information about the Bar and Timeline charts below.

Choices on the spider chart in the Risks and Ratings tool

There are two sets of buttons above the spider chart:

- The buttons above the chart to the left give you the option of viewing the **Current** ratings, **5-year Outlook** for up to five countries, **Show Both**—a comparison of both.
- The buttons above the chart to the right offer the **Spider** chart view, a **Bar** view, or a **Timeline** view.

The following spider chart displays the Economics risk category from the left pane—with Transfer Risk, Primary Fiscal Balance, Real Per Capita GDP Growth, and Level of Development. The countries included are from custom regions and include Poland, Russian Federation, Ukraine, Iraq, and Jordan.



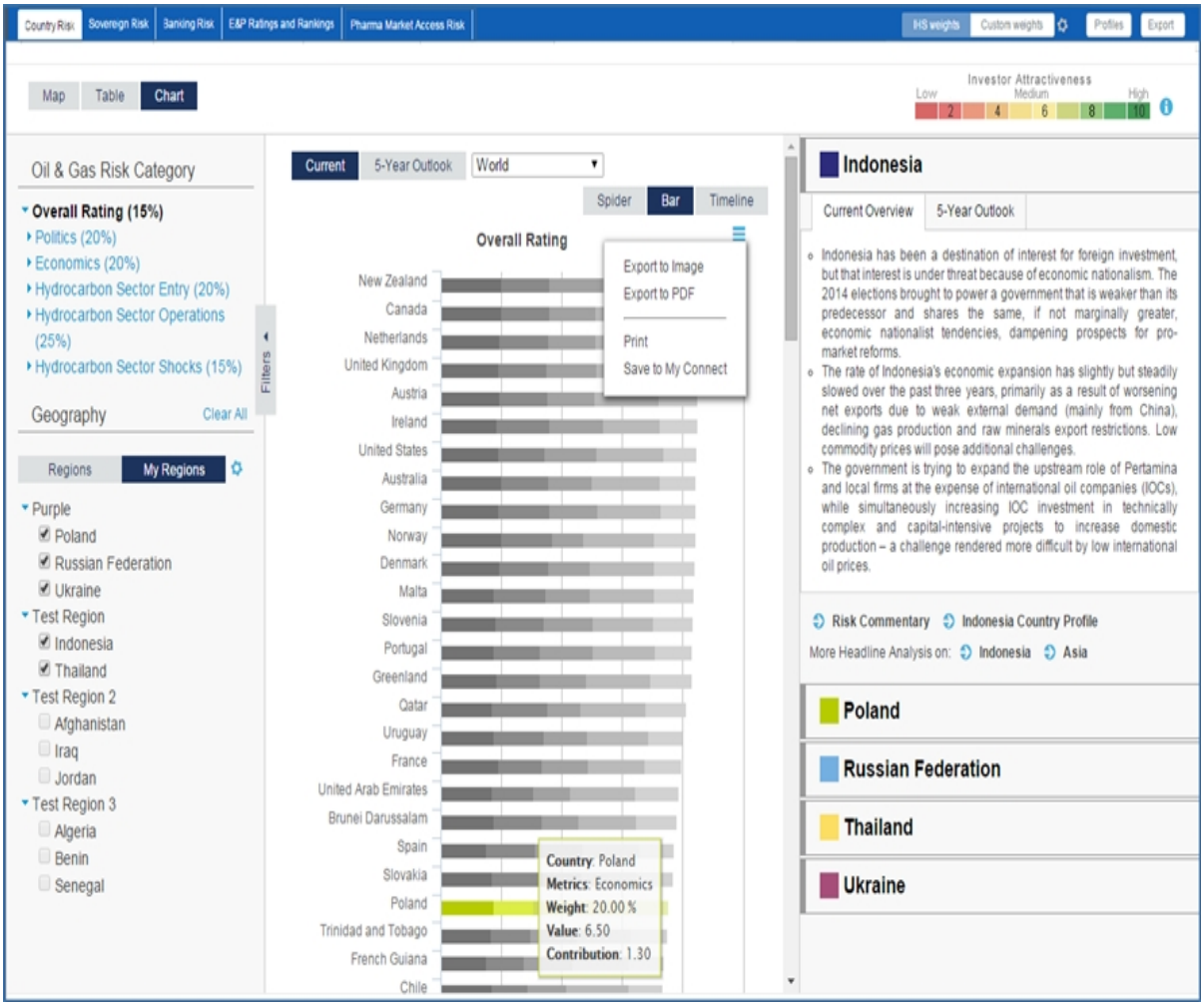
If you put more than five countries on the spider chart, a message is displayed.

Clicking the message brings up the following dialog where you can deselect counties.

Bar chart

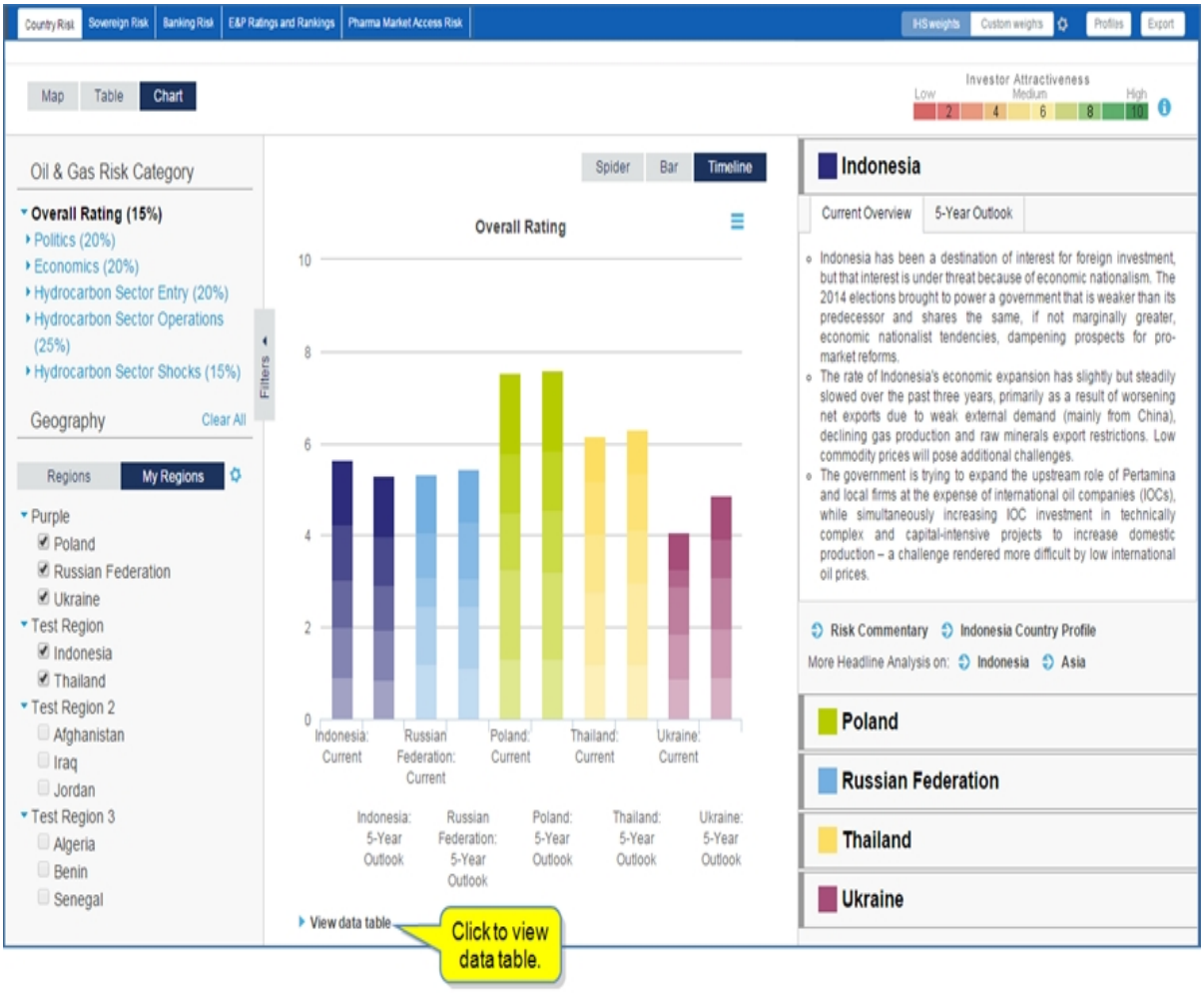
The Bar chart displays the Overall Rating for all countries. The countries you have selected are color highlighted. Use the Menu bar icon to open links to Export to Image, Export to PDF, Print, or Save to My Connect.

When you hover over one of your selected countries, details are displayed.



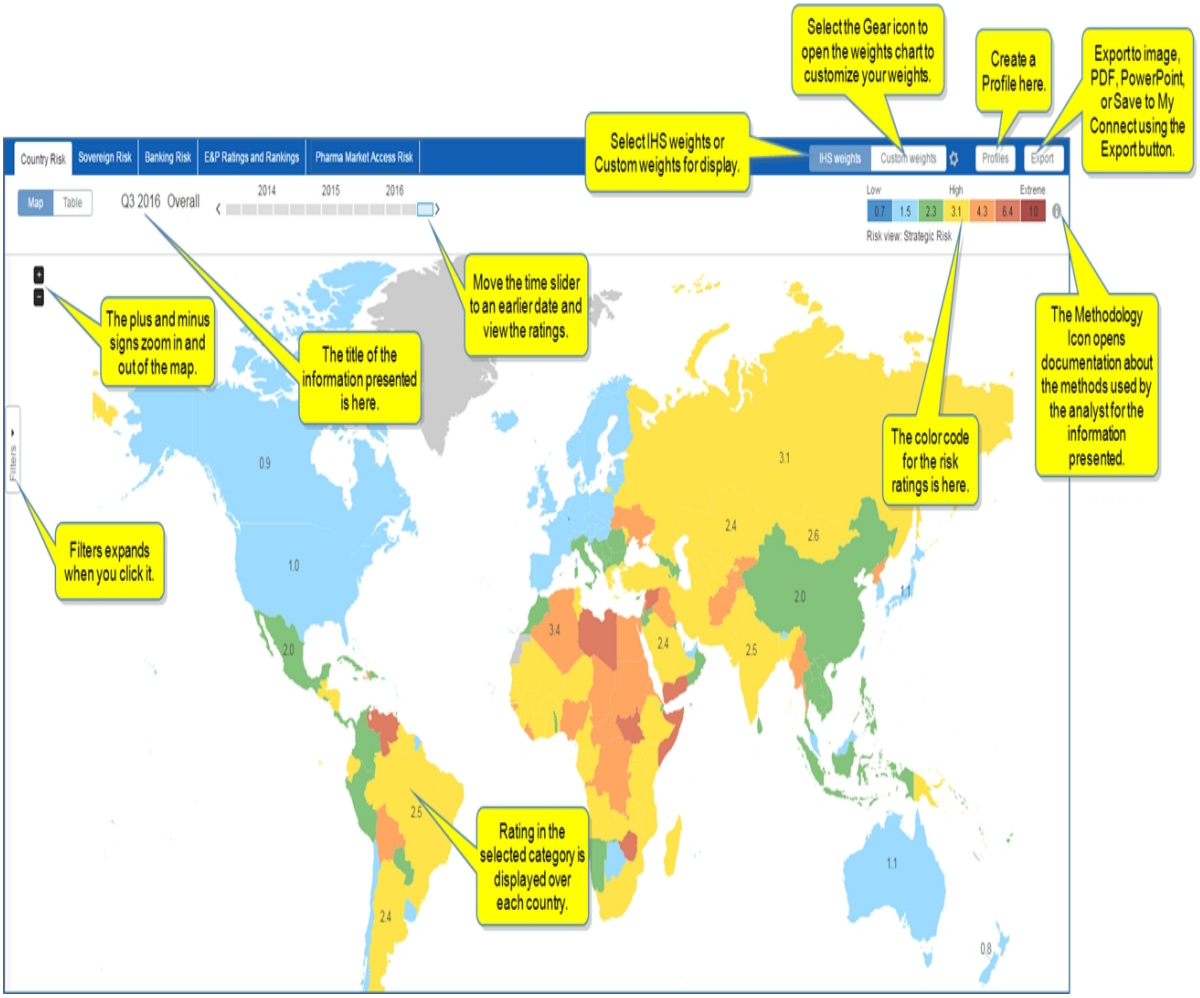
Timeline chart

The Timeline chart provides a visual comparison and Current and 5-Year Outlook for five countries in the following example.

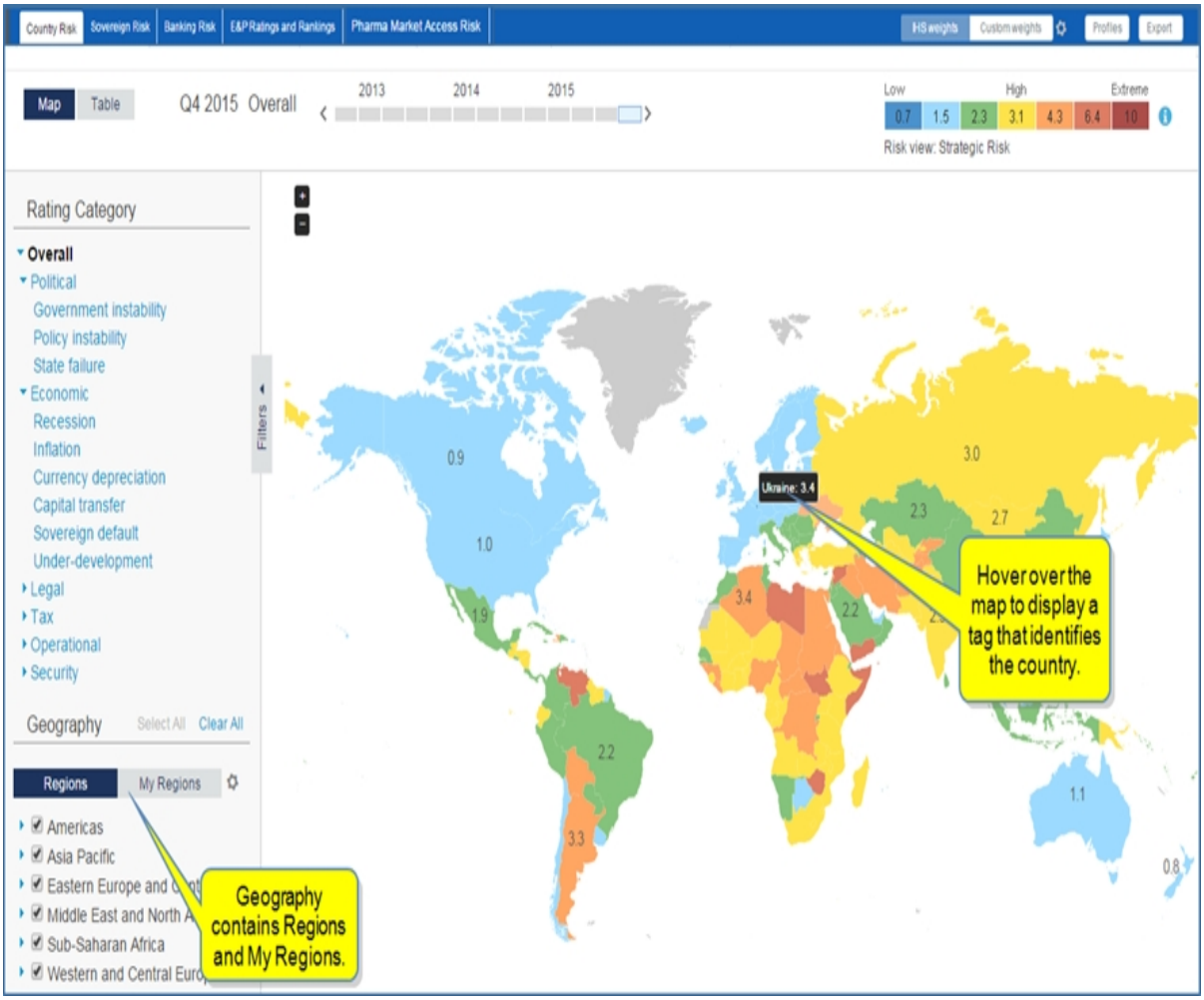


Country Risk

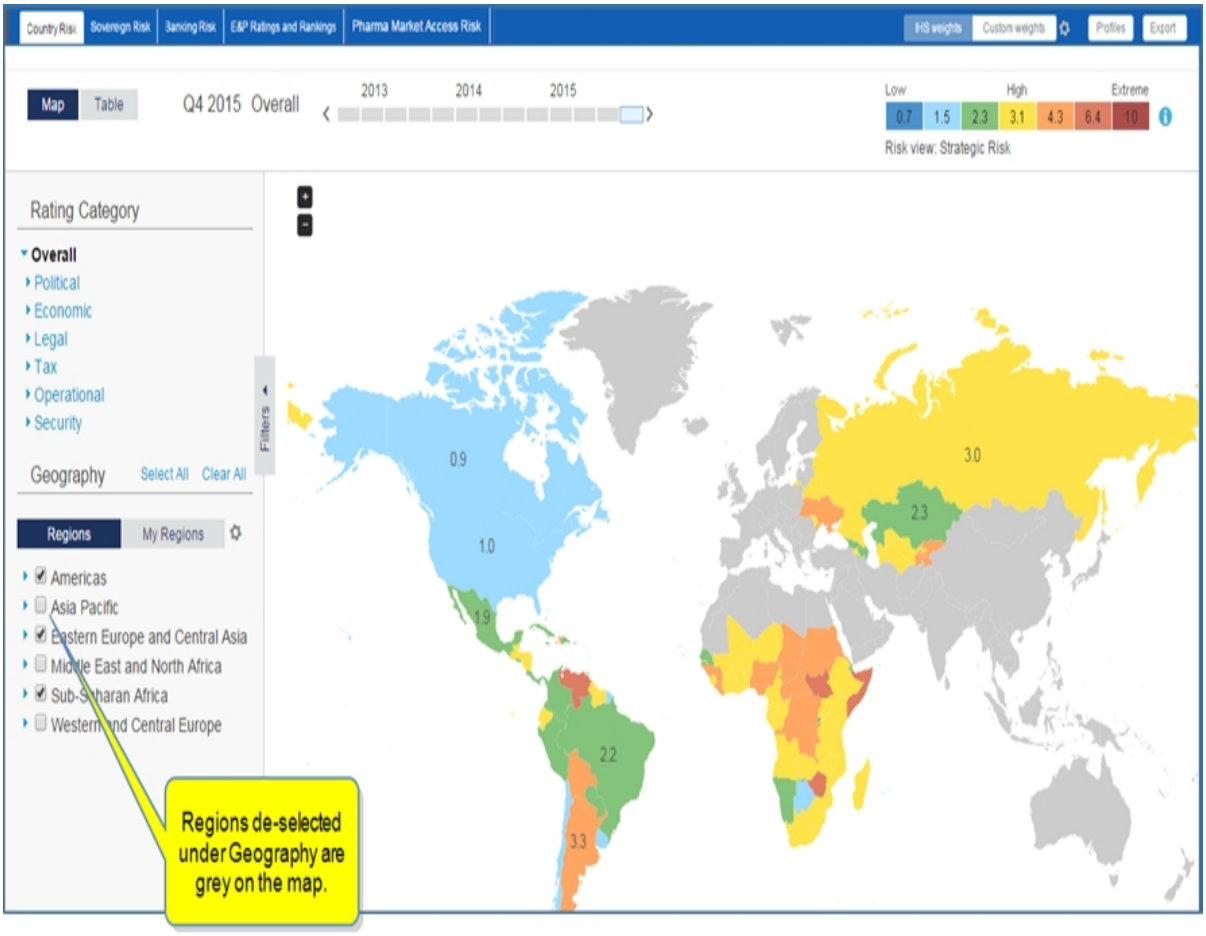
The **Country Risk** map displays ratings for countries geographically. For more information about using the tool, see Risks and Ratings feature overview.



When you expand the Filters, you can select sub categories of information you want displayed on the map. Hover the graphic to see map identifiers.

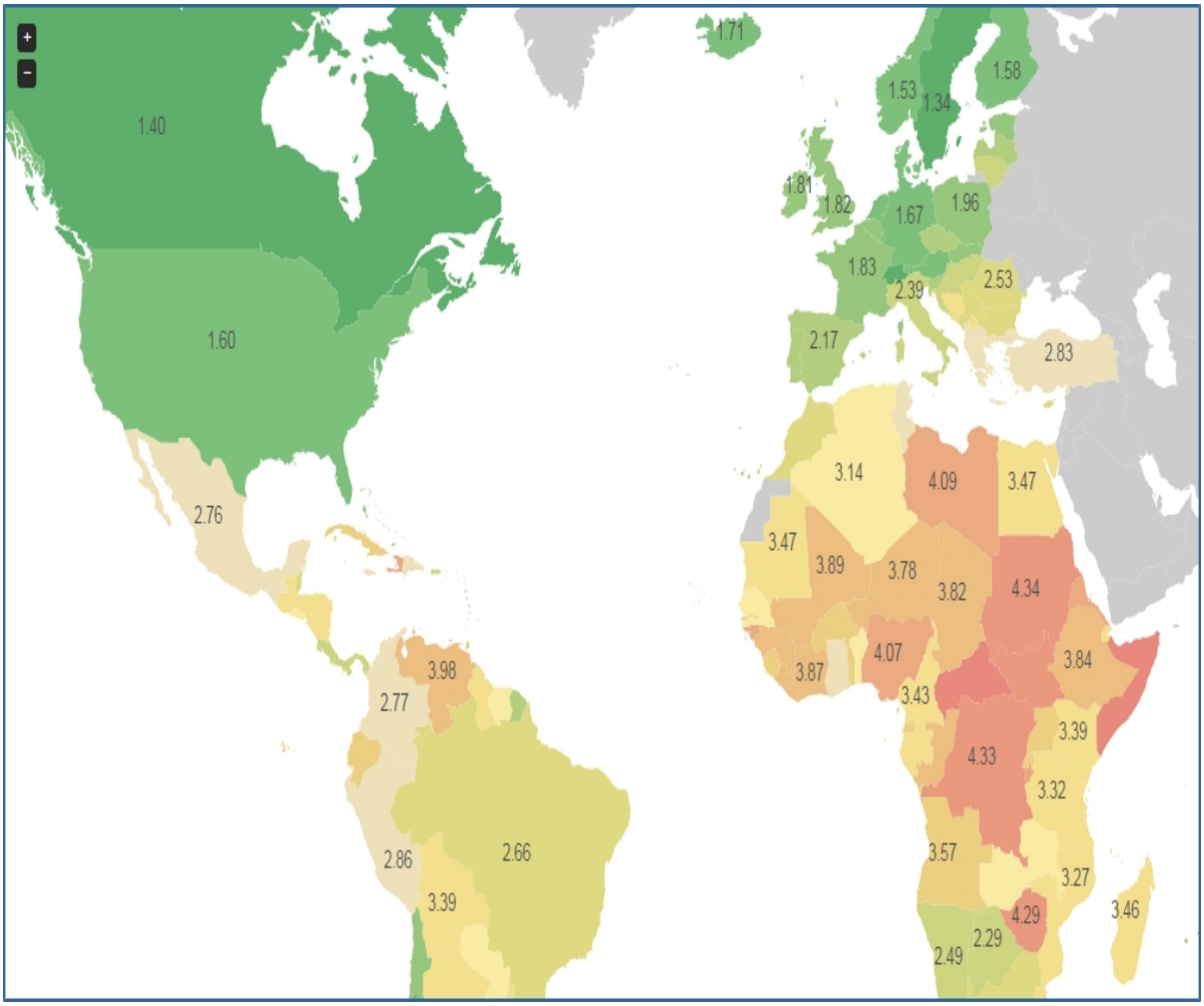


You can de-select geographical areas.



When you mouse over each country, a pop-up box identifies the country for you.

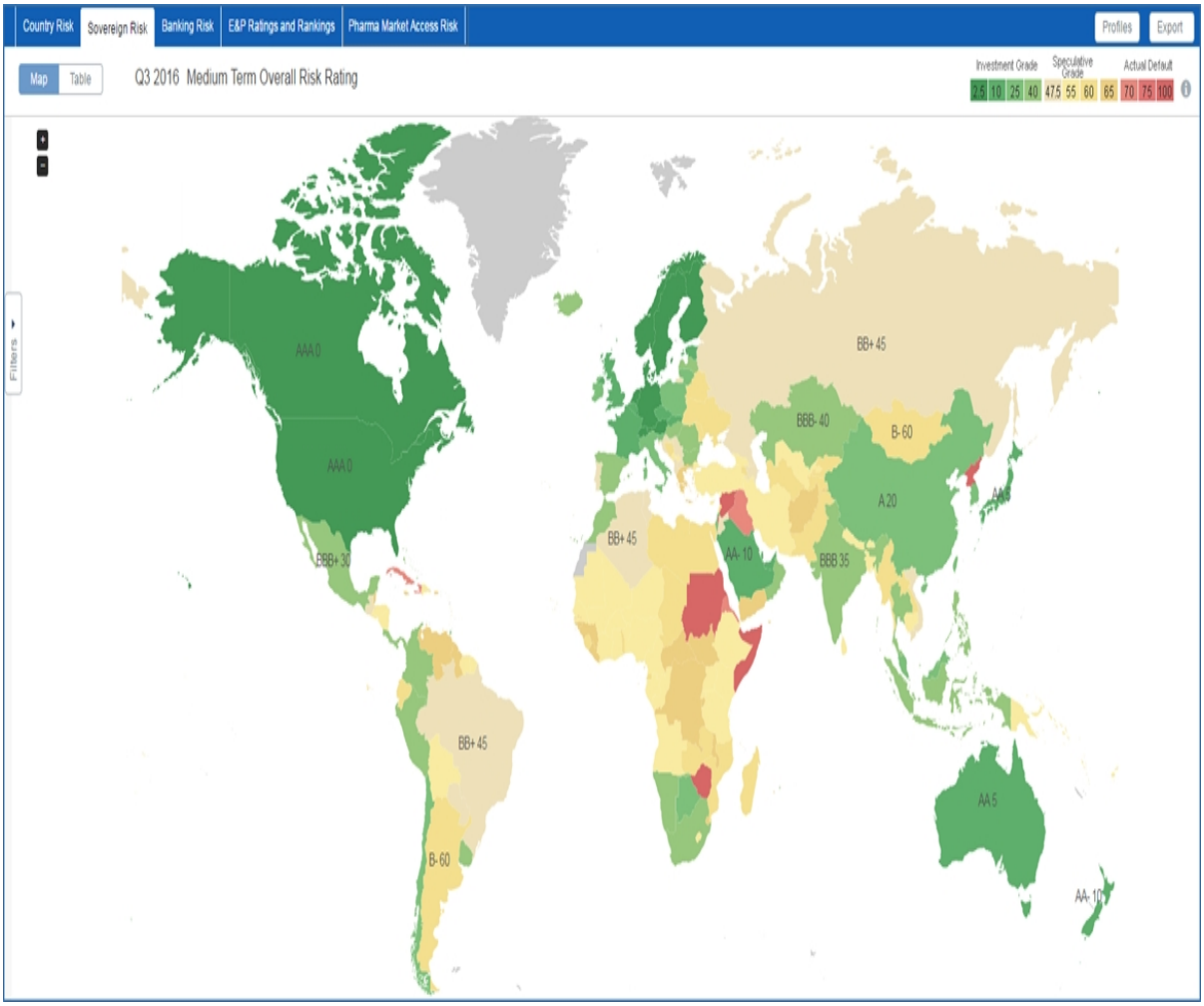
When you zoom in, you see additional data.



Sovereign Risk

The **Sovereign Risk** map displays ratings for countries geographically. For more information about using the tool, see Country Risk and Risks and Ratings feature overview.

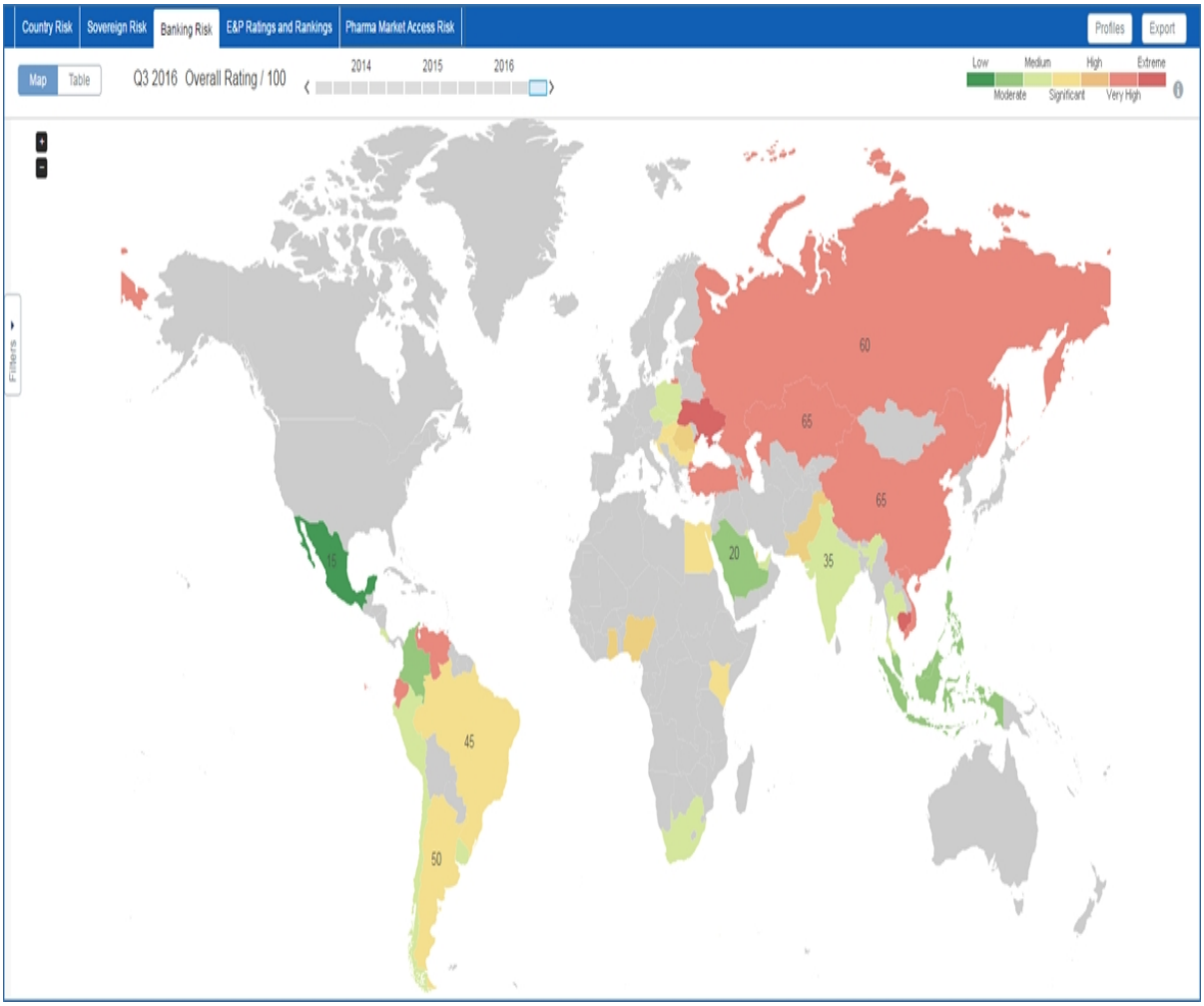
Sovereign Risk displays the following map.



Banking Risk

The **Banking Risk** map displays ratings for countries geographically. For more information about using the tool, see Country Risk and Risks and Ratings feature overview.

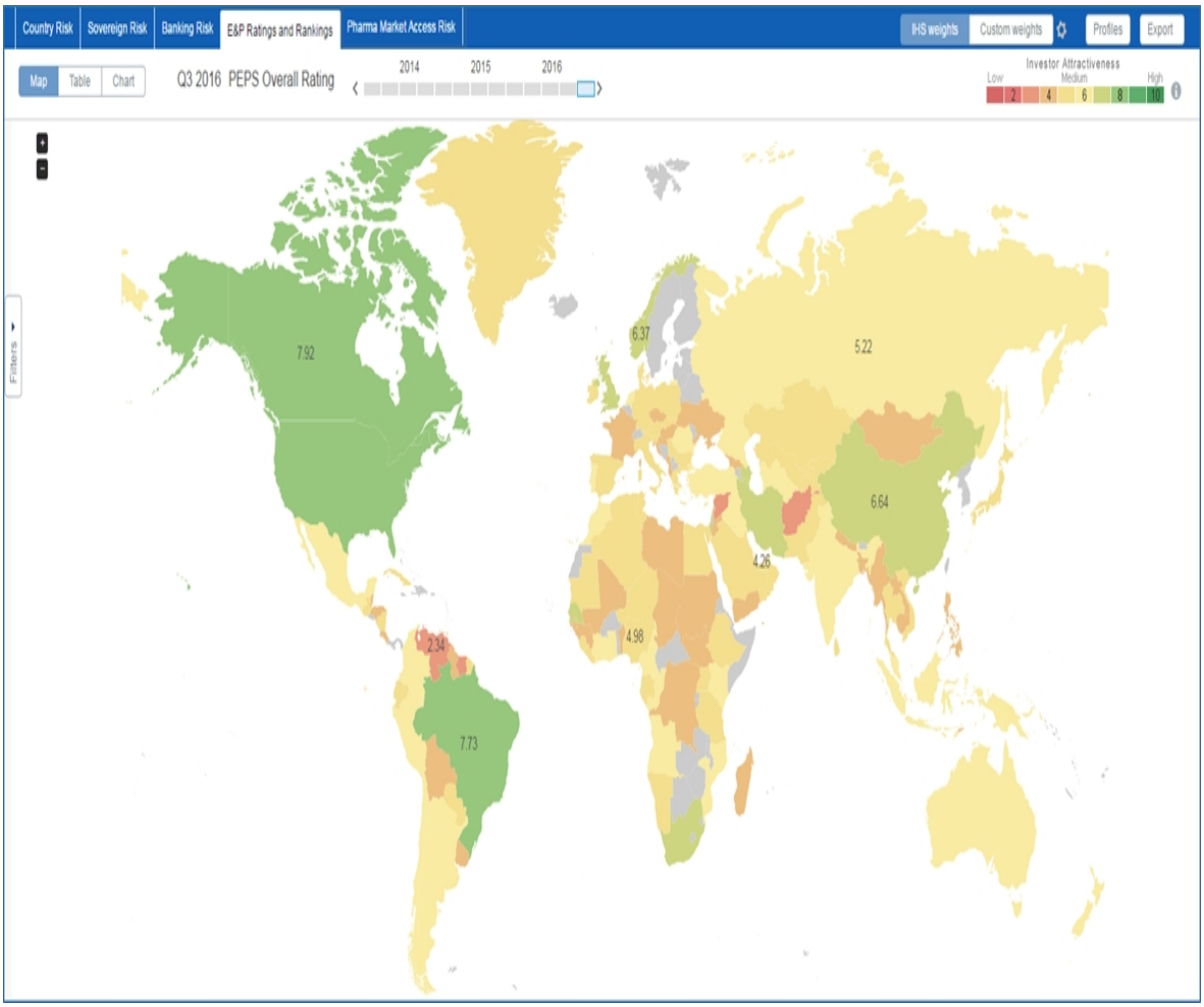
Banking Risk displays the following map.



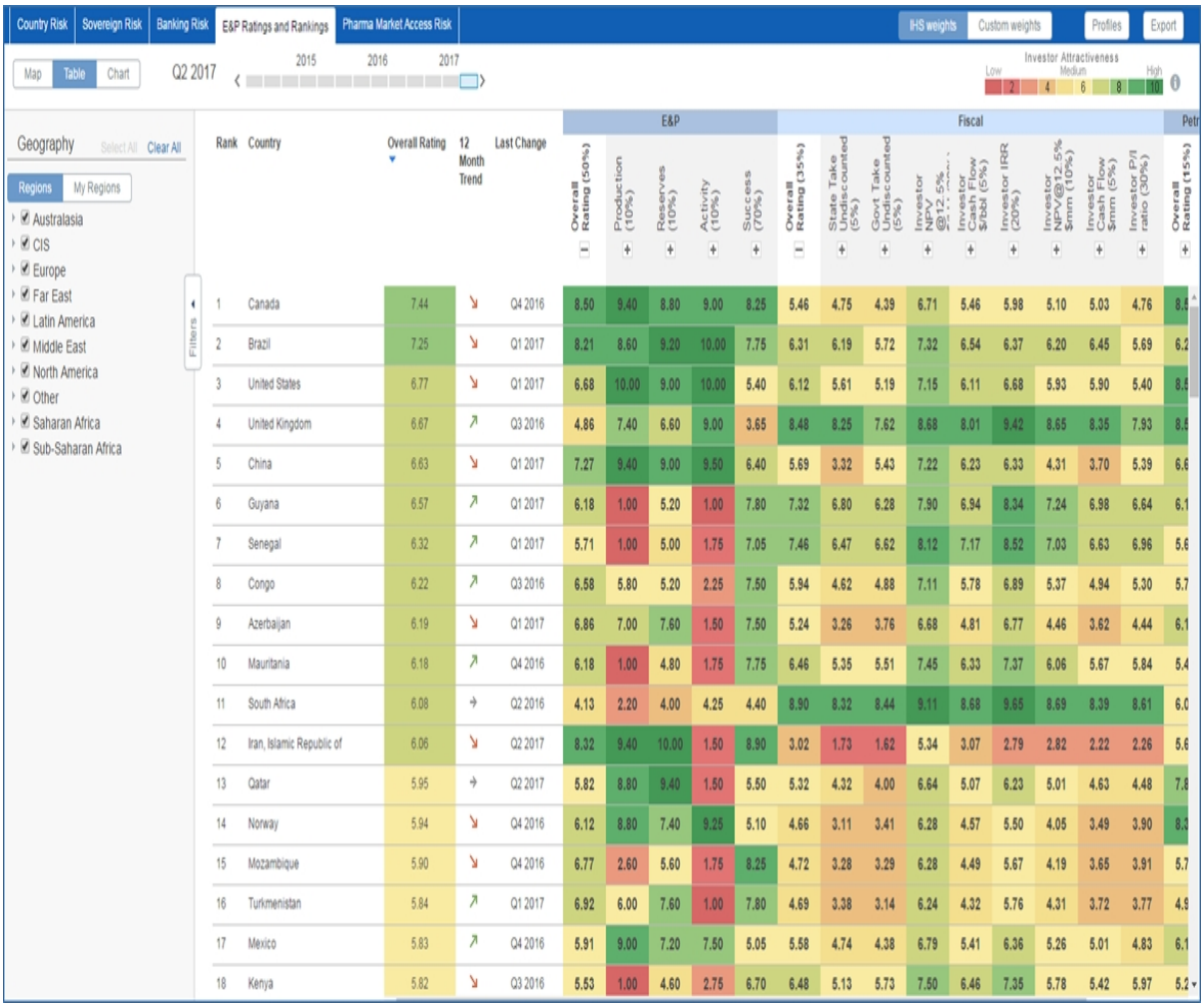
E and P Ratings and Rankings

The **E&P Ratings and Rankings** map displays ratings for countries geographically. The Ranking Table gives an overall rating for countries and ratings for sub categories of risk. The chart displays a spider web chart that allows company comparisons in a chart diagram. For more information about using the tool, see Country Risk and Risks and Ratings feature overview.

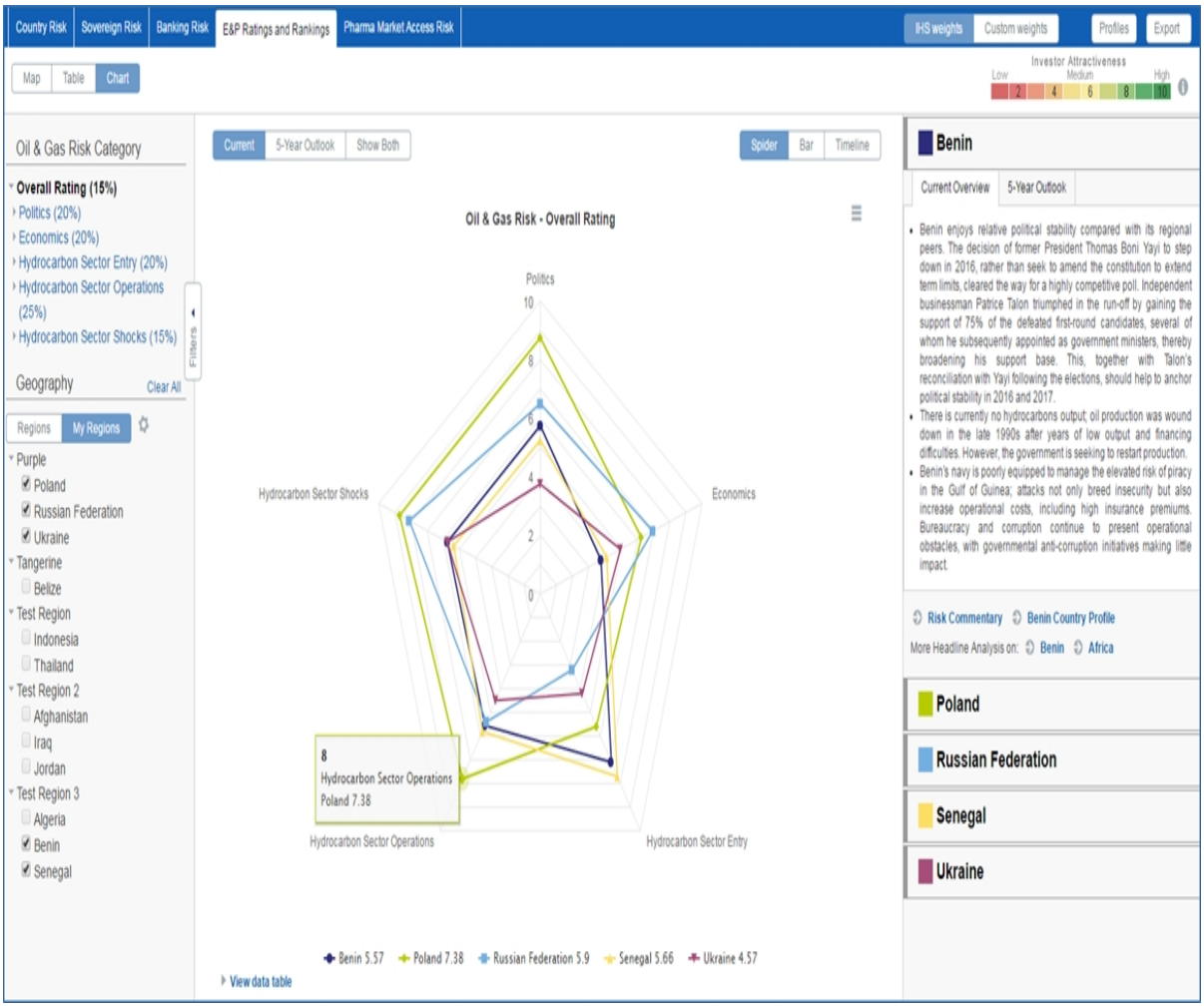
E and P Ratings and Rankings Map



E and P Ratings and Rankings Table



E and P Ratings and Rankings Chart



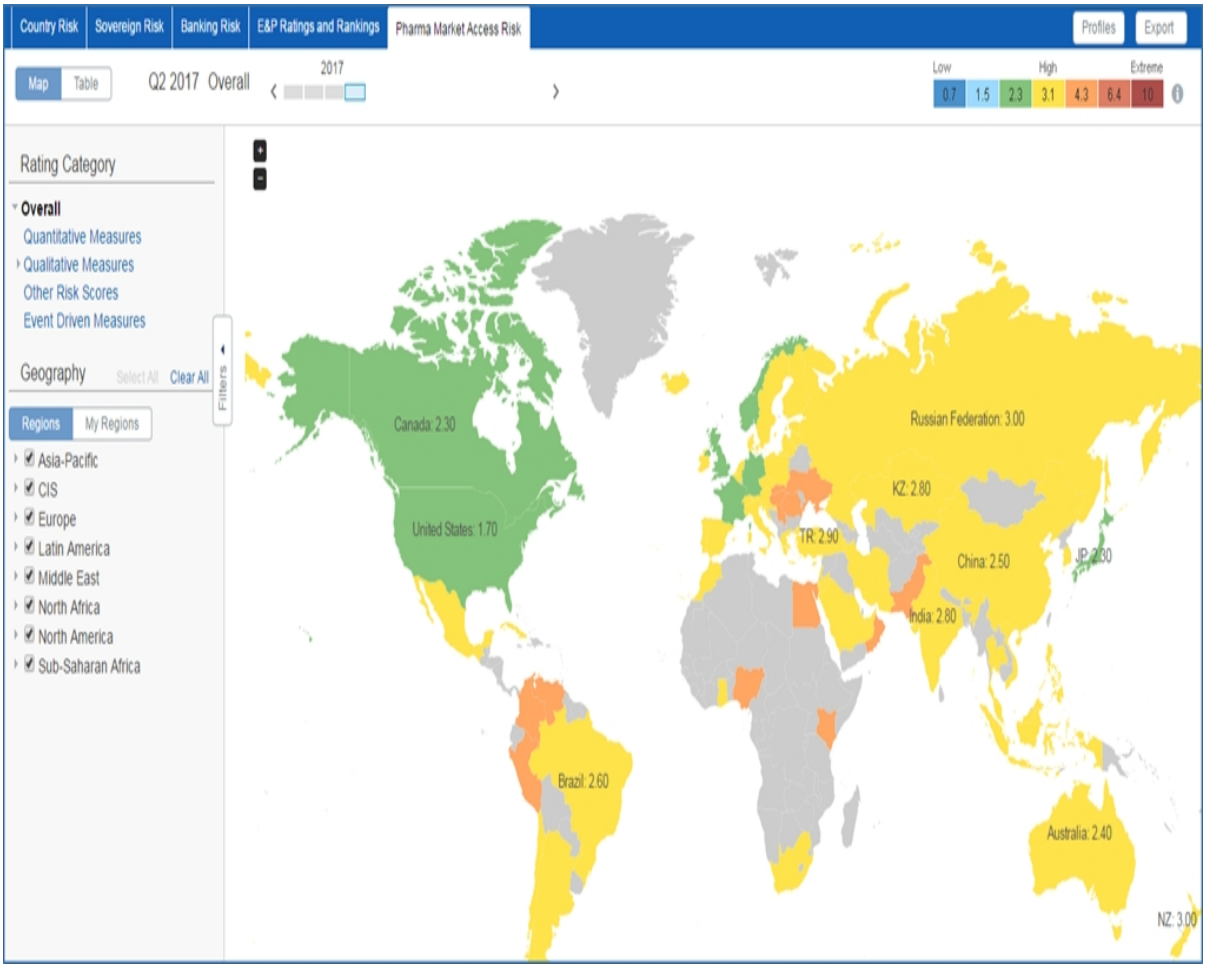
Pharma Market Access Risk

The Risks and Ratings table provides proprietary Pharma Market Access Risk ratings in an interactive and customizable tool. For more information and details about using the tool, see Risks and Ratings feature overview.

The Market Access Risk Scores heading on the Life Sciences megamenu takes you directly to the **Risks and Ratings** tool to compare market access factors across countries.

When you select the **Market Access Risk Scores** heading, Risks and Ratings opens with the **Pharma Market Access Risk** tab selected. Both a Map and Table are available with filters for Rating Category and Geography and a time slider.

The Pharma Market Access Risk map indicates low to extreme risk for countries with the color legend.



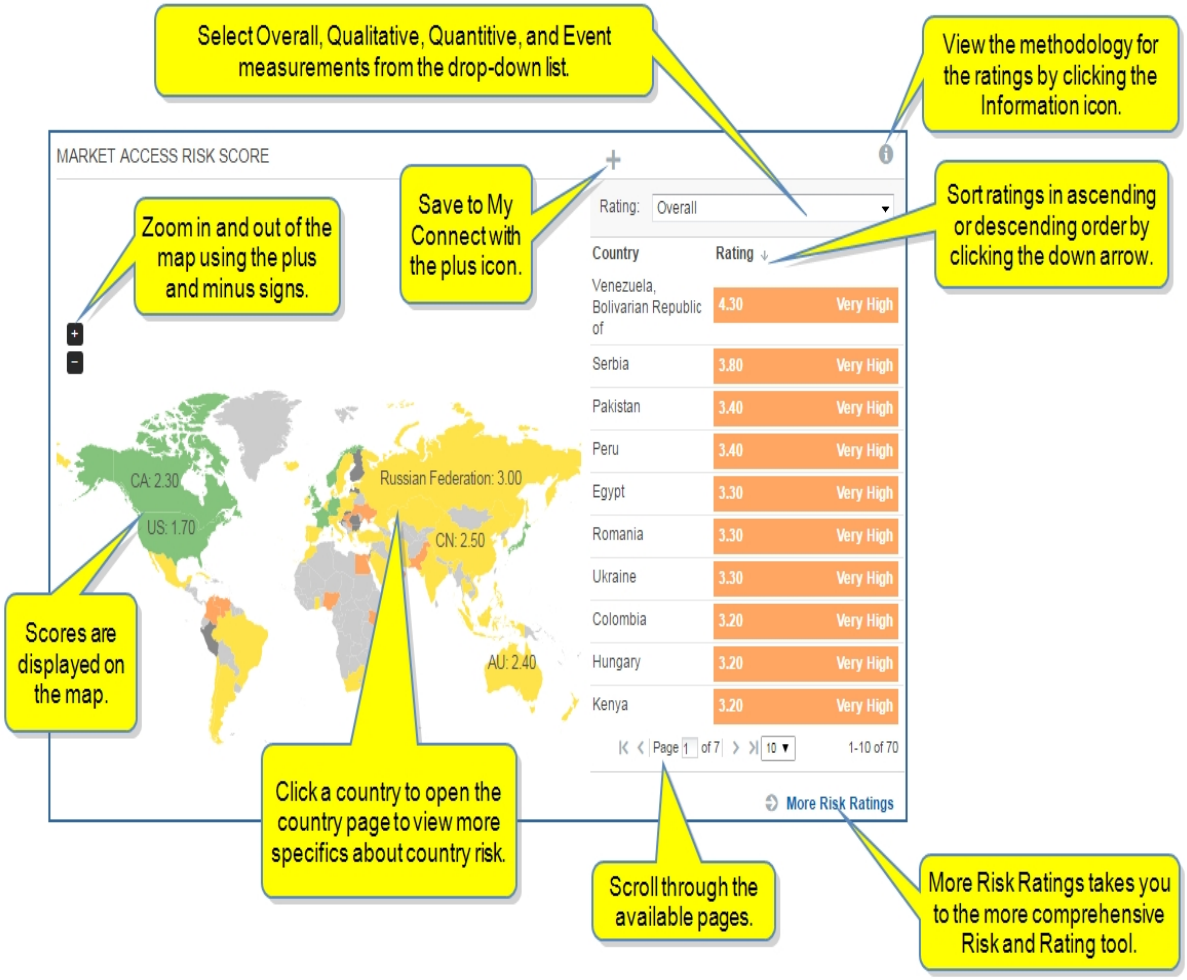
Clicking a country on the map or from the from the Rank Country list displays a chart indicating risk trend.

Market Access Risk Score

Market Access Risk Score uses the Risks and Ratings tool to compare pharma market access factors across countries.

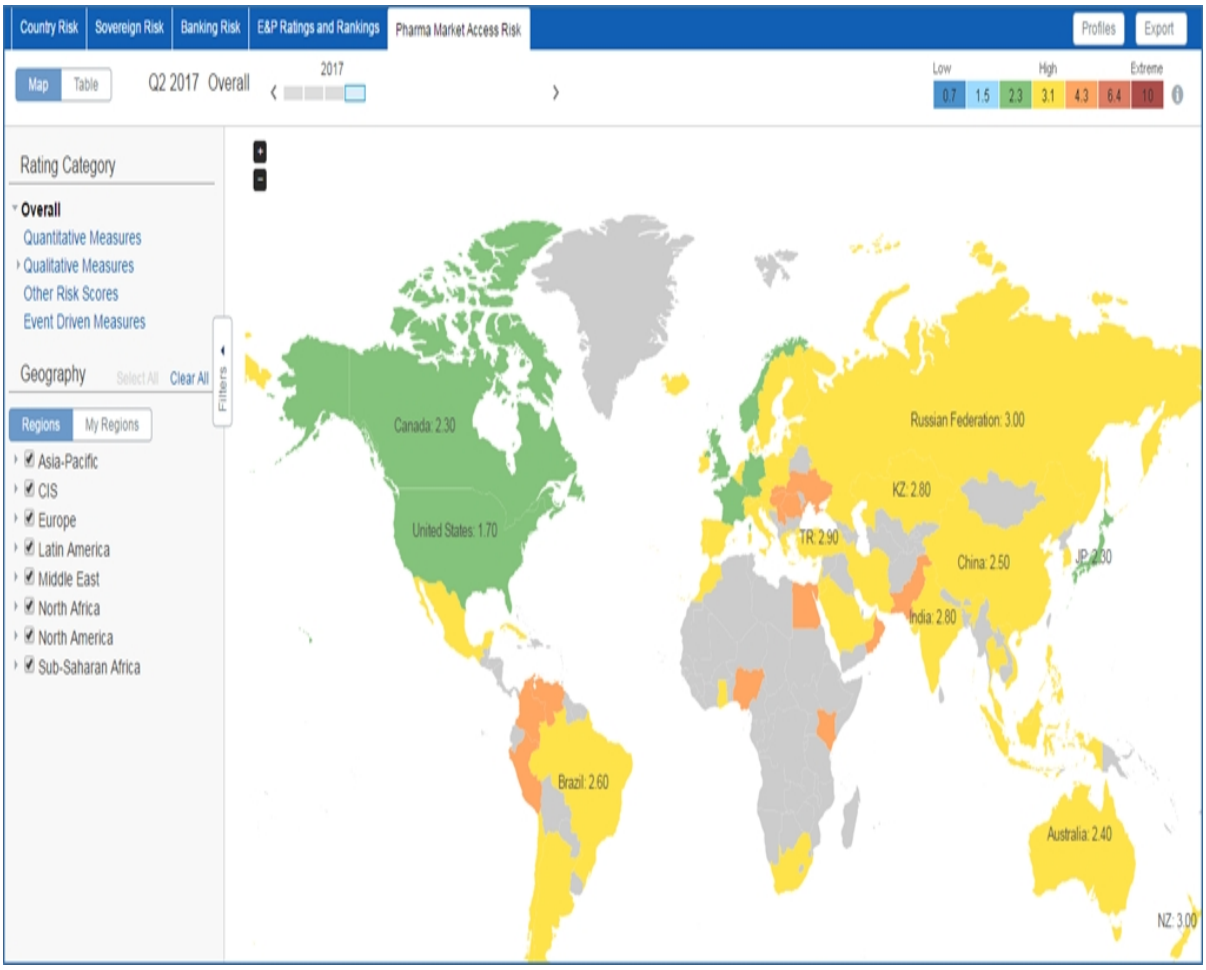
The Market Access Risk Score module rates the market access risk for pharmaceuticals in countries based on Overall assessment, Quantitative Measures, Qualitative Measures, and Event Driven Measures in ascending or descending order on the table. The corresponding map provides scores for countries in a geographical context. You can zoom in and out of the map, or you can click a country to navigate to the country page.

The information icon displays the Market Access Risk Scores (MARS) Methodology which states that market access risk is "the integrated risk associated with all those factors which determine or affect the ability and the willingness of a country to grand market access to a particular branded product." The quantitative risk considers the country's ability to pay for new drugs. The qualitative risk assesses policy level drivers that govern and affect market access. Also included in the analysis are event driven measures that affect a country's ability to market pharmaceuticals.



When you select the **More Risk Ratings** link in the lower right corner of the module, you navigate to the Risks and Ratings tool with the Pharma Market Access Risk tab selected. Both a Map and Table are available with filters for Rating Category and Geography and a time slider.

Country Risk
Sovereign Risk
Banking Risk
E&P Ratings and Rankings
Pharma Market Access Risk
Profiles
Export
Map
Table
Q2 2017
2017
Low
High
Extreme
0.7 1.5 2.3 3.1 4.3 6.4 10
Geography
Select All Clear All
Regions
My Regions
Asia-Pacific
CIS
Europe
Latin America
Middle East
North Africa
North America
Sub-Saharan Africa
Filters
Rank Country Risk Change Date Overall Quantitative Measures Qualitative Measures Other Risk Scores Event Driven Measures
1 Venezuela, Bolivarian Republic of 12 Apr 2017 4.30 Very High 6.44 3.52 3.08
2 Serbia 12 Apr 2017 3.80 Very High 5.35 4.91 1.18
3 Pakistan 12 Apr 2017 3.40 Very High 6.00 2.96 1.32
3 Peru 12 Apr 2017 3.40 Very High 5.61 3.35 1.17
5 Egypt 12 Apr 2017 3.30 Very High 6.17 2.34 1.29 3.26
5 Romania 12 Apr 2017 3.30 Very High 5.64 2.91 1.20
5 Ukraine 12 Apr 2017 3.30 Very High 5.76 1.97 2.05
8 Colombia 12 Apr 2017 3.20 Very High 5.39 3.11 1.18
8 Hungary 12 Apr 2017 3.20 Very High 5.16 3.34 1.17
8 Kenya 12 Apr 2017 3.20 Very High 6.36 1.96 1.27
8 Nigeria 12 Apr 2017 3.20 Very High 6.37 1.70 1.65 3.23


Country Risk
Sovereign Risk
Banking Risk
E&P Ratings and Rankings
Pharma Market Access Risk
Profiles
Export
Map
Table
Q2 2017 Overall
2017
Low
High
Extreme
0.7 1.5 2.3 3.1 4.3 6.4 10
Rating Category
Overall
Quantitative Measures
Qualitative Measures
Other Risk Scores
Event Driven Measures
Geography
Select All Clear All
Regions
My Regions
Asia-Pacific
CIS
Europe
Latin America
Middle East
North Africa
North America
Sub-Saharan Africa
Filters
Canada: 2.30
United States: 1.70
Russian Federation: 3.00
KZ: 2.80
TR: 2.90
China: 2.50
India: 2.80
Brazil: 2.60
Australia: 2.40
NZ: 3.00

You can expand the Rating Category for the Map view and select individual risk factors / policies for display on the Map.

For more information about the Risks and Ratings tool, see Risks and Ratings feature overview under Tools in the help documentation.

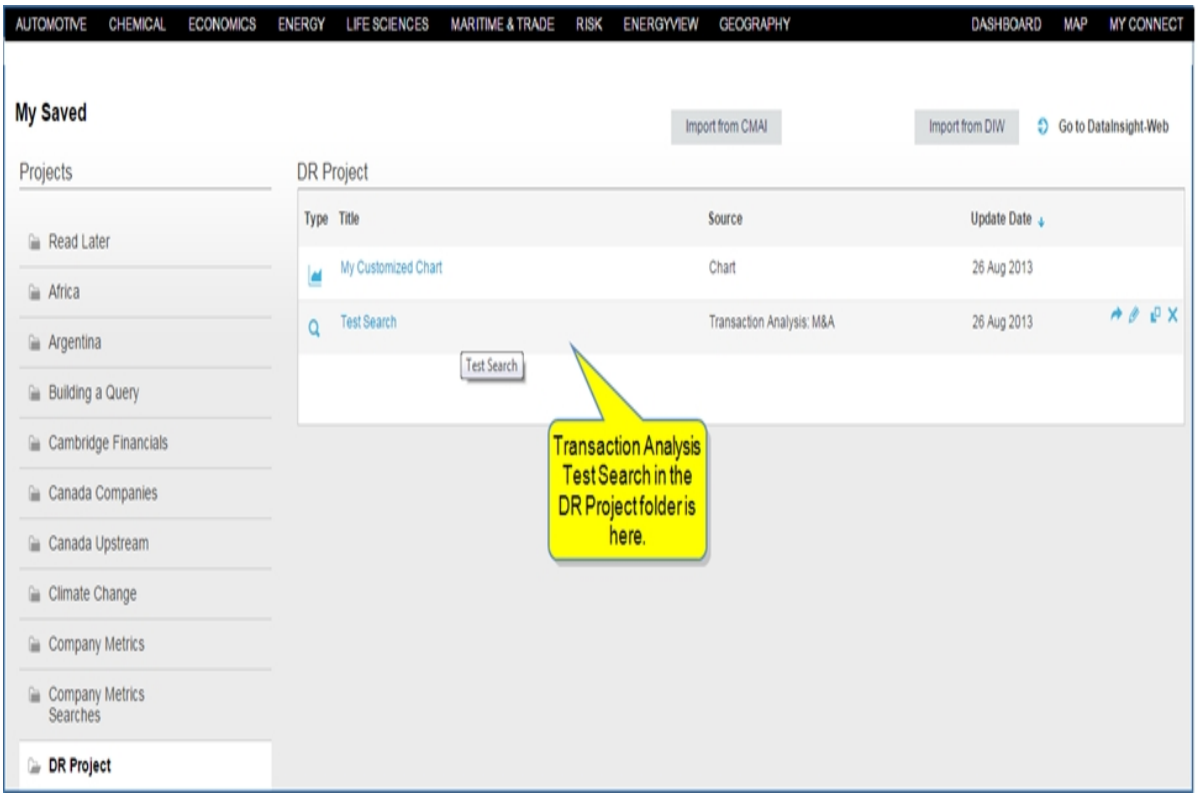
Transaction Analysis

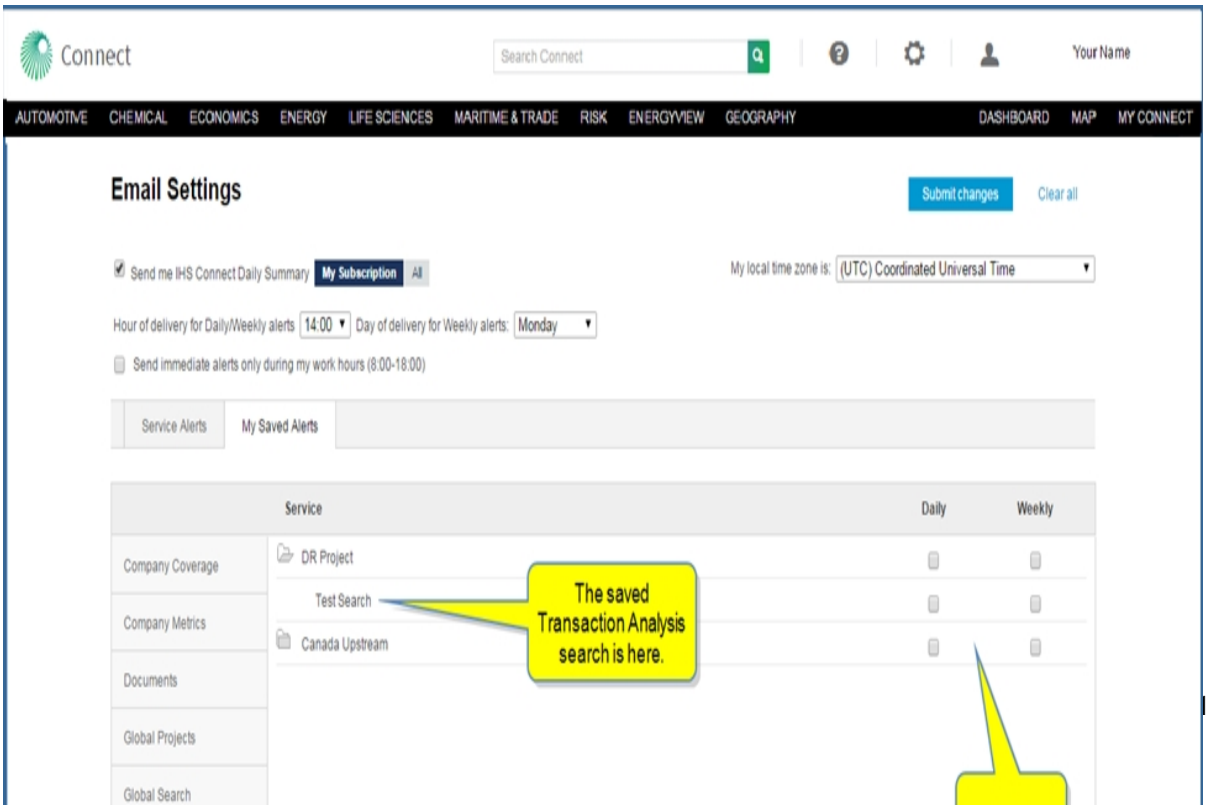
Transaction Analysis

The Transaction Analysis tool provides access to individual deal analysis on more than 30,000 energy industry transactions over the past 20 years benchmarked against commodity prices and featuring key M&A marketplace valuations for all global regions. Transaction out sheets include details about buyers, sellers, transaction value, deal location, level, industry, and segment. You can open quick searches provided by IHS Markit, do an advanced search, and save searches for future reference.

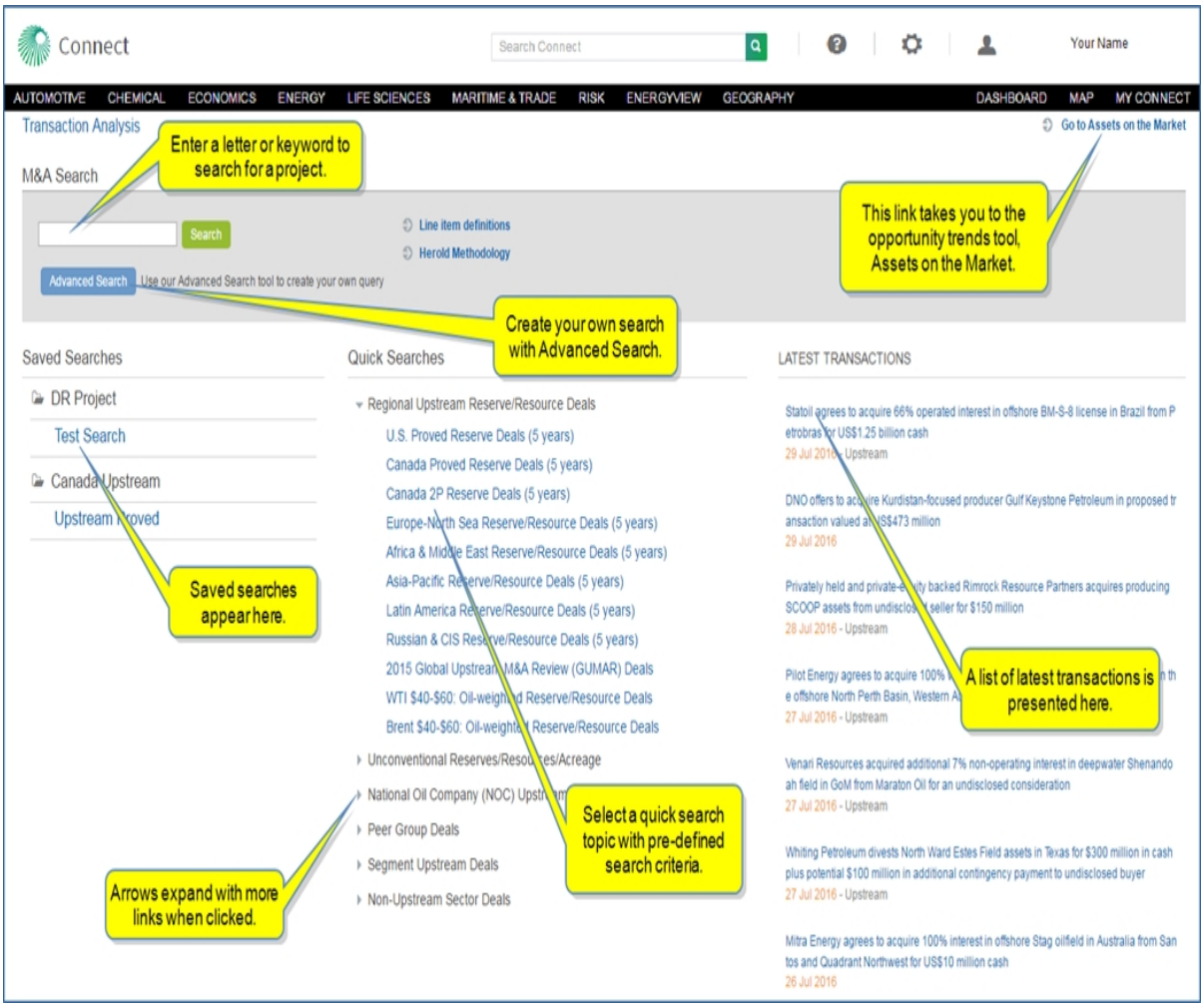
Assets on the Market is connected to the Transaction Analysis tool to give you the flexibility of moving between the tools and comparing completed deals and transactions with opportunities and potential deals on the market. From the Transaction Analysis home page you can Go to Assets on the Market by clicking the link.

Note: When you save a search, it appears on the Transaction Analysis page and in My Connect where you can set-up a daily or weekly alert regarding any activity on your saved search criteria.





When you click **Transaction Analysis**, the page opens with a search field where you can enter a letter or a keyword to find a project, an Advanced Search tool to create your own query, Saved Searches, and Quick Searches. You'll also find a **Go to Assets on the Market** link that allows you to toggle between the Transaction Analysis tool (deals that have been made) and the Assets on the Market tool (asset opportunities).



The sections below provide information about the following:

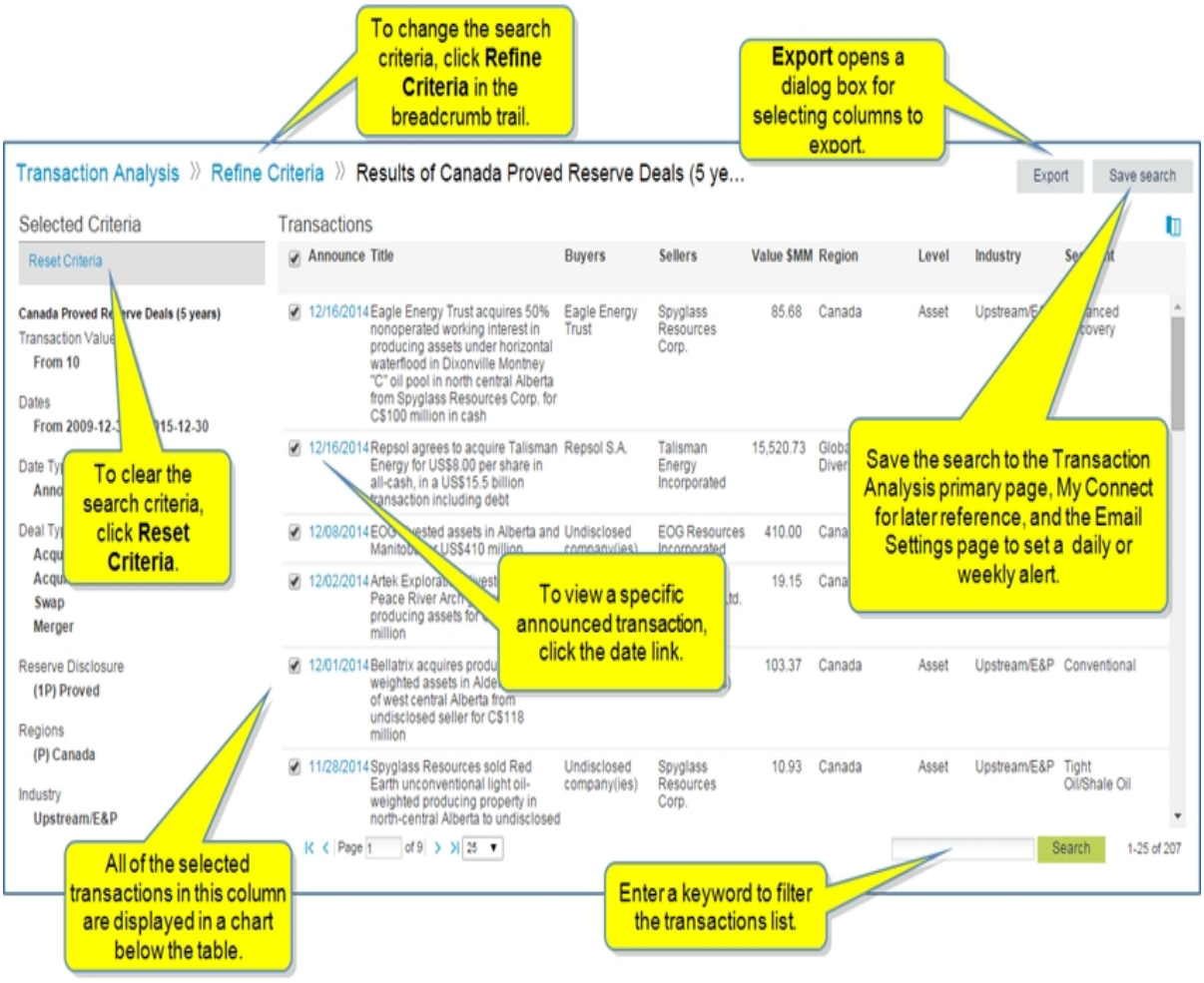
- Viewing a Quick Search
- Using Search
- Creating an Advanced Search
- Exporting results
- Saving search results
- Saving search criteria
- Deleting Saved Searches

Viewing a Quick Search

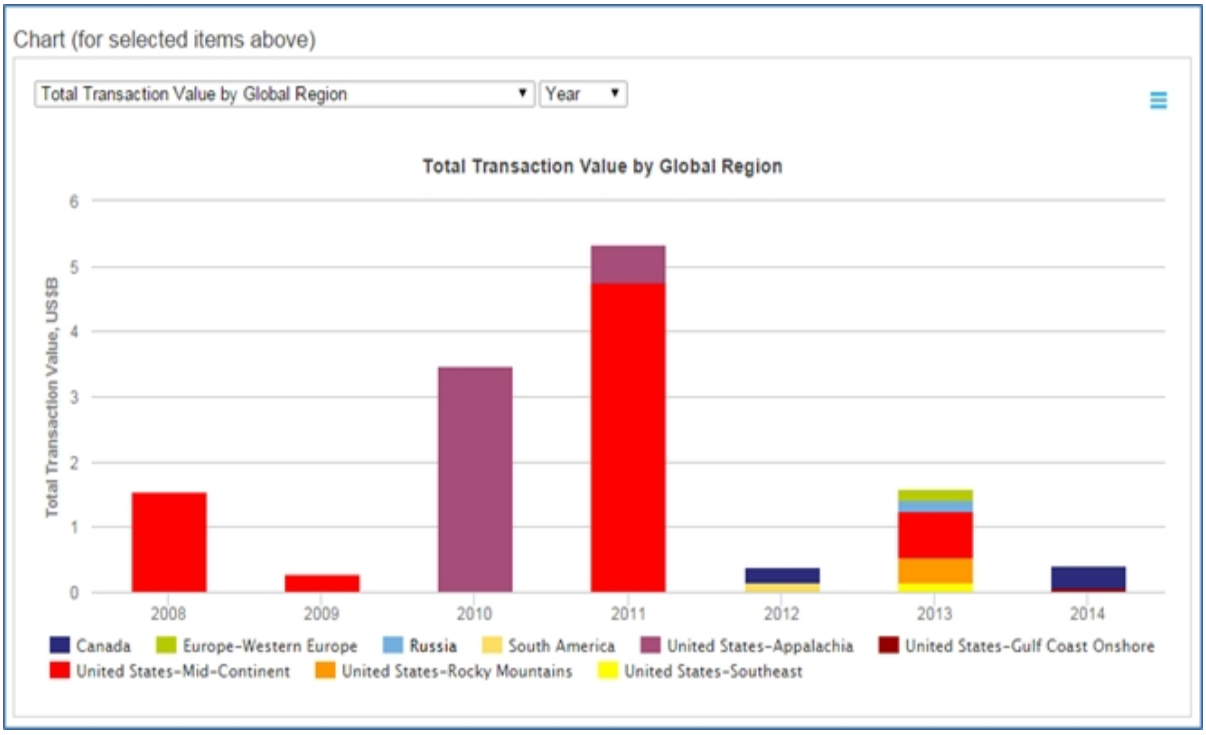
Quick Search links display details of transactions (deals) related to the title of the search. The titles of the searches are organized into categories—for example,

- Regional Upstream Reserve/Resource Deals
- Unconventional Reserves/Resources/Acreage
- National Oil Company (NOC) Upstream deals
- Peer Group Upstream Deals
- Segment Upstream Deals
- Non-Upstream Sector Deals

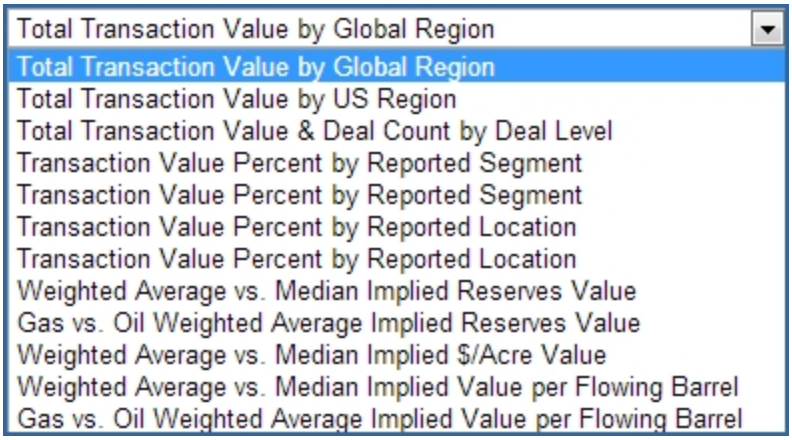
IHS Markit Connect analysts have chosen the search criteria and organized the results in columns for easy viewing and access. The overview lists the announced transactions in descending chronological order with some detail about the buyers, sellers, value, level, industry, and segment. When you view search results, you can change the search criteria by clicking **Refine Criteria** in the breadcrumb trail.



Below the table on the results page, a chart is displayed that includes the selected (check marked) transactions.



You can change the criteria you view on the chart by selecting from the drop-down menu.

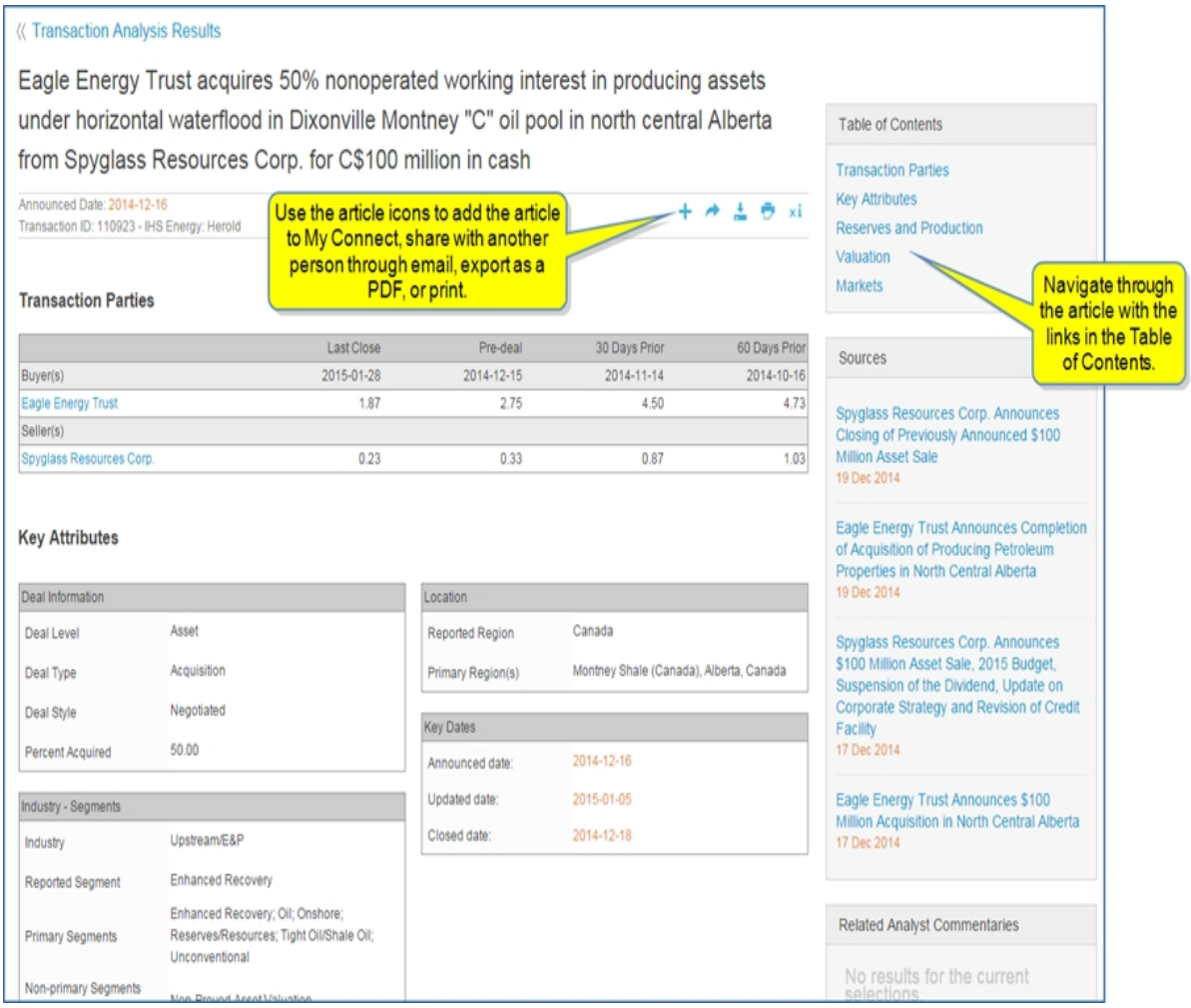


And you can change the time period.

Article View

The article view provides details about the transaction and includes information about the Transaction Parties—Buyer(s) and Seller(s)—with links to Company Profile where you'll find more detailed information about the companies involved. Content areas include Key Attributes, Transaction Summary, Reserves and Production, Valuation, and Markets (Stock and Commodity). Modules for Sources, Related Analyst Commentaries, Related Documents, and Related Transaction Analysis are available in the right panel.

When you want to view more details for a specific transaction, click one of the transaction dates in blue on the results page. A scrollable article page is displayed. Navigate through the article using the links in the Table of Contents. You can also add the article to My Connect, share, export, or print the article using the article icons.



Article icons allow you to save, share, export, or print the entire article.

Add the article to a folder on My Connect.

Share the article with another person through email.

Export the article to PDF format. The PDF version will appear in the lower left corner of your

screen.

Print the article.

Turn on Information icons throughout the article. Then click the icons to display line item definitions for a term, a link to more details for the term, and the Line Item Definitions linked tree.

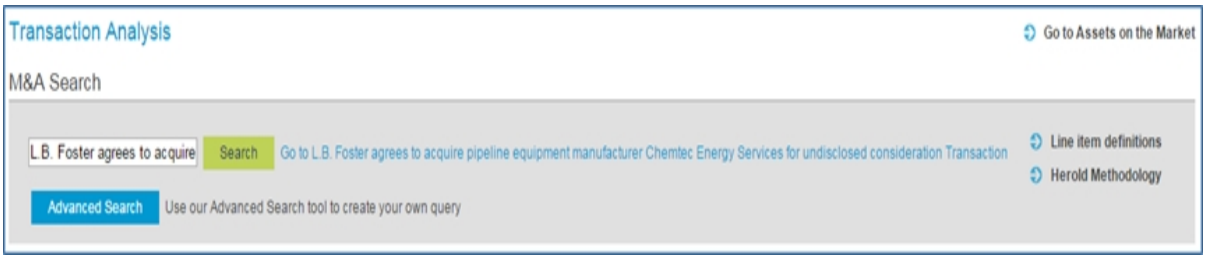
Turn off Information icons throughout the article.

When you scroll to the bottom of the page, a linked name is displayed. When you click the name, the contact information for the analyst of the article becomes available.

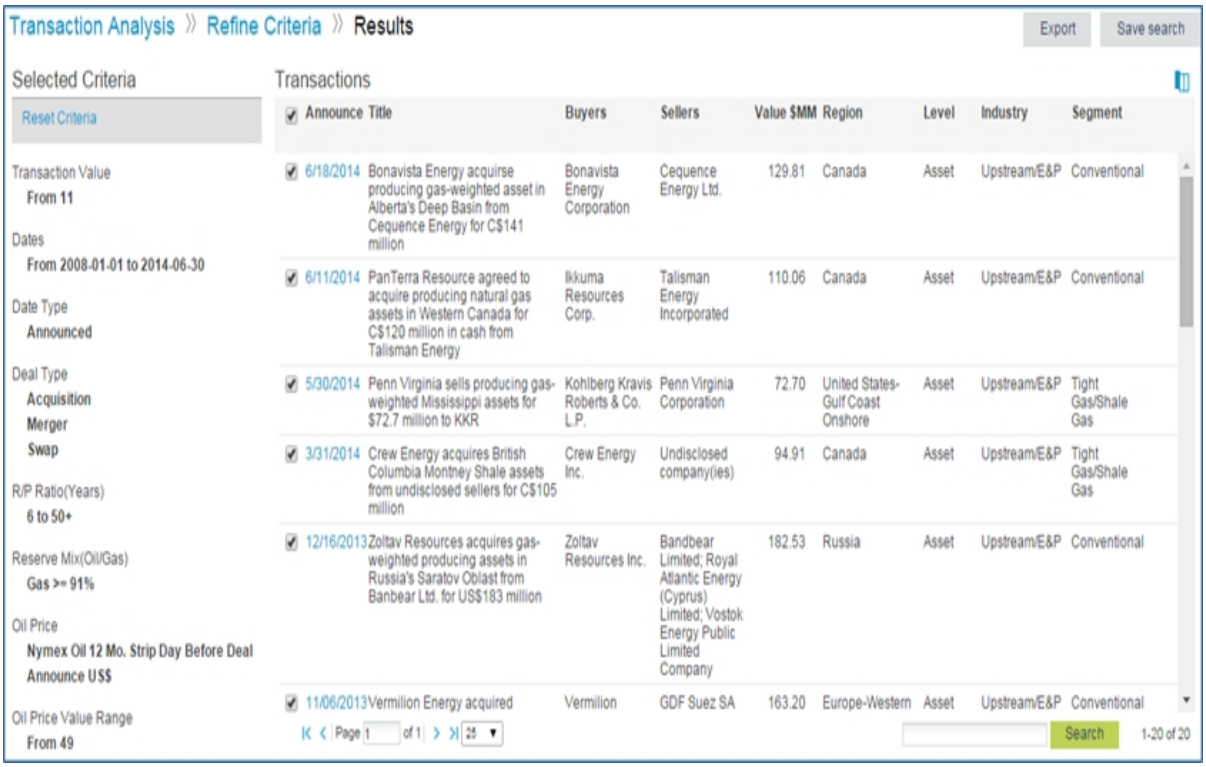
Using Search

To search for a project using a keyword or the name of the project, enter a keyword into the Search field. Connect suggests possible matches.

Select a name from the suggested list or type the project name. A new link is displayed taking you to the out-sheet for the project.

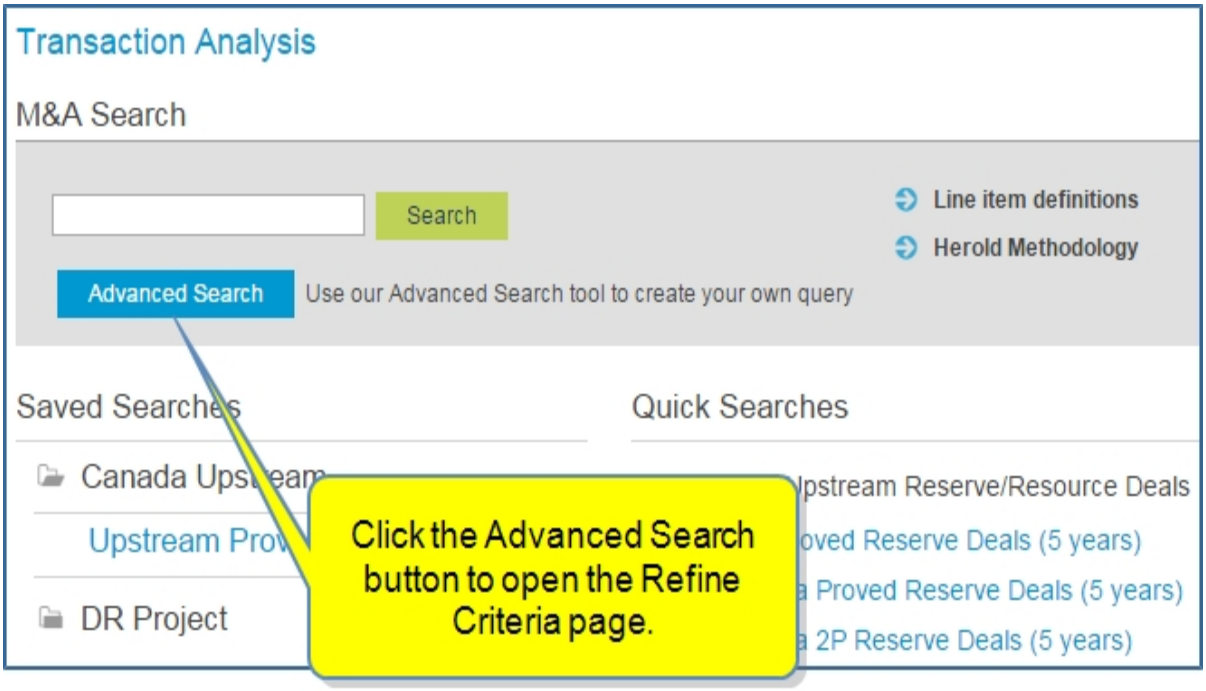


Click **Search**, and the results page displays results related to your keyword.



Creating an Advanced Search

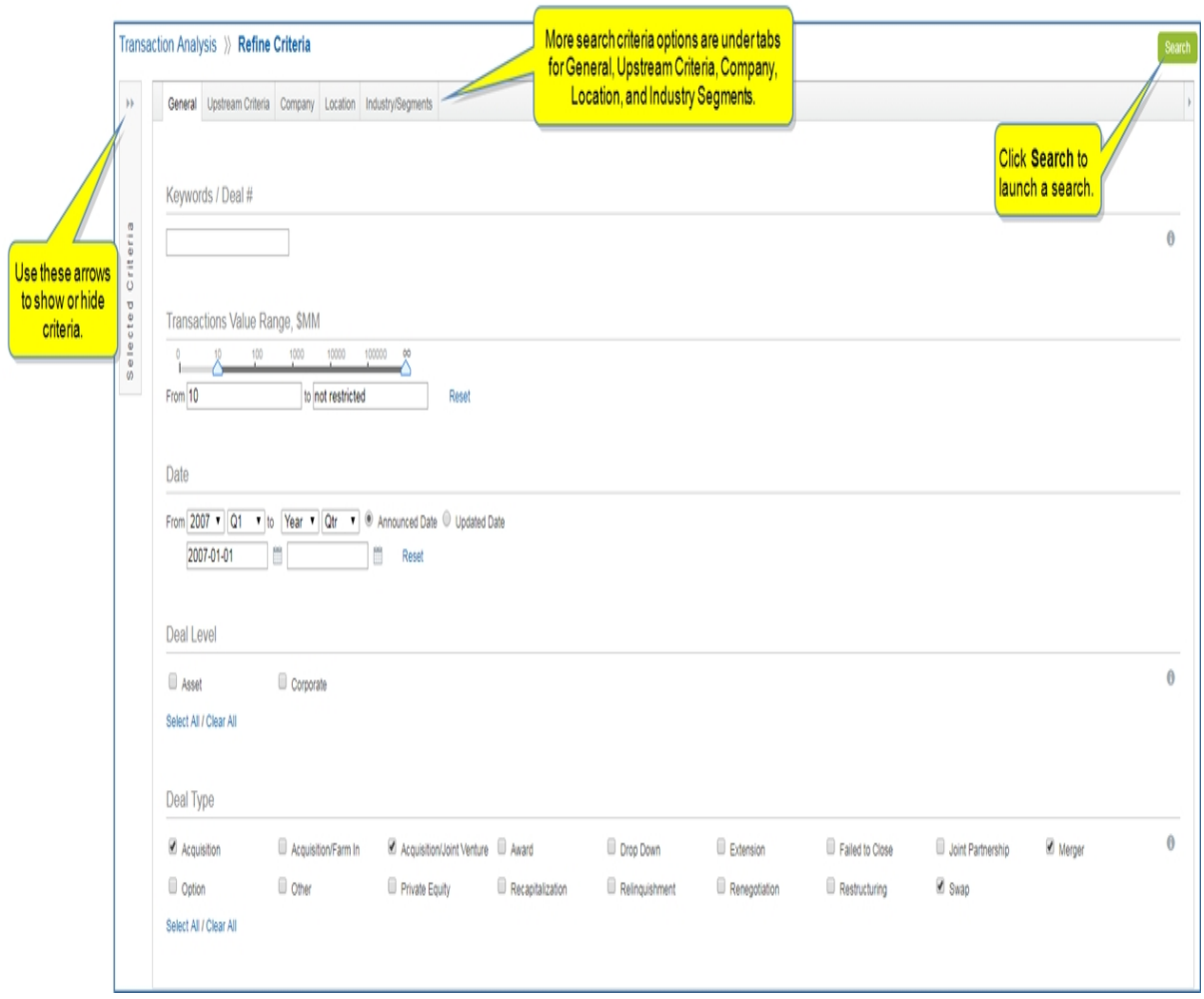
To launch a search with your own search criteria, click the **Advanced Search** button.



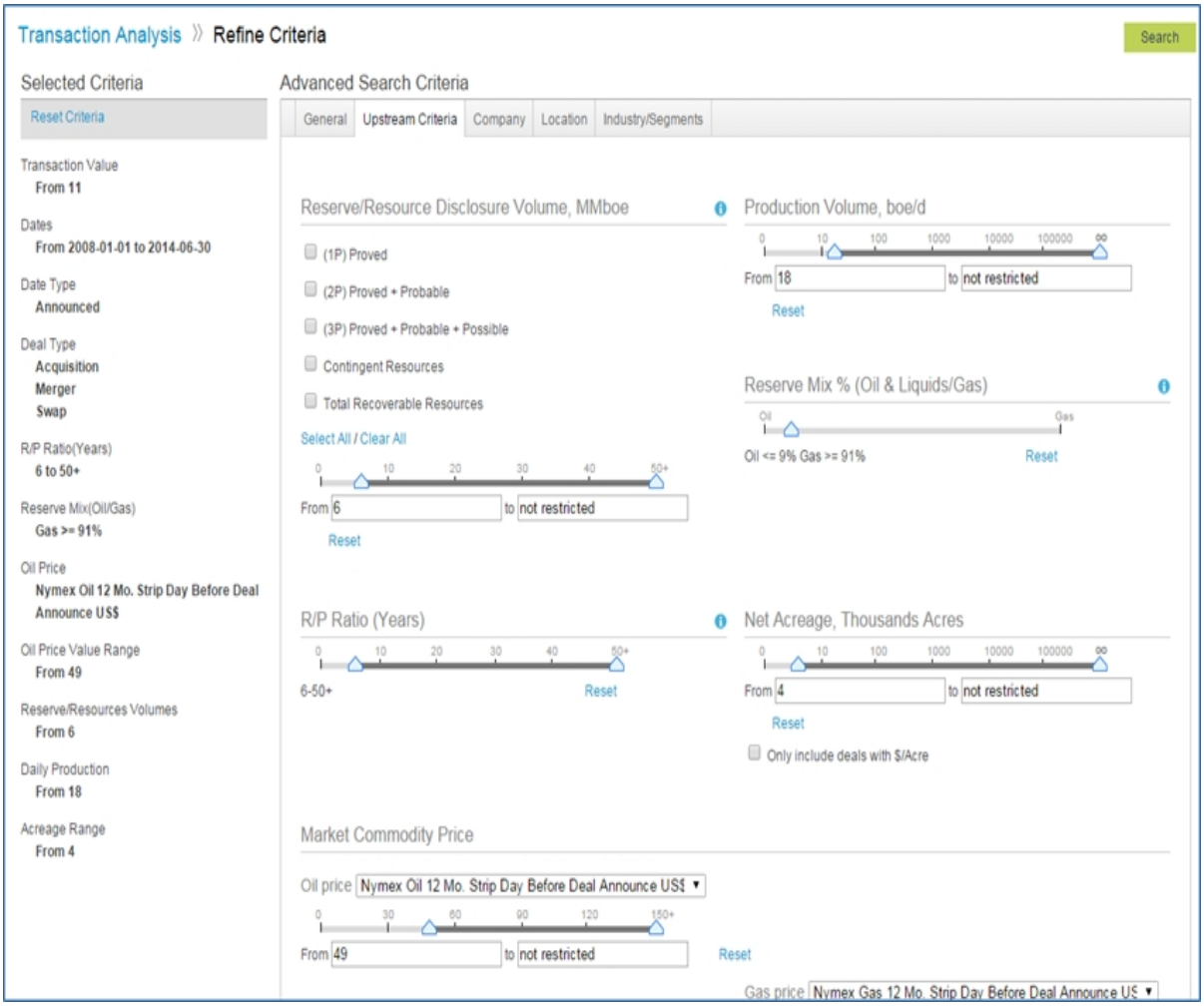
The Refine Criteria page shows you the Selected Criteria and the following tabs:

- General
- Upstream Criteria
- Company
- Location
- Industry/Segments

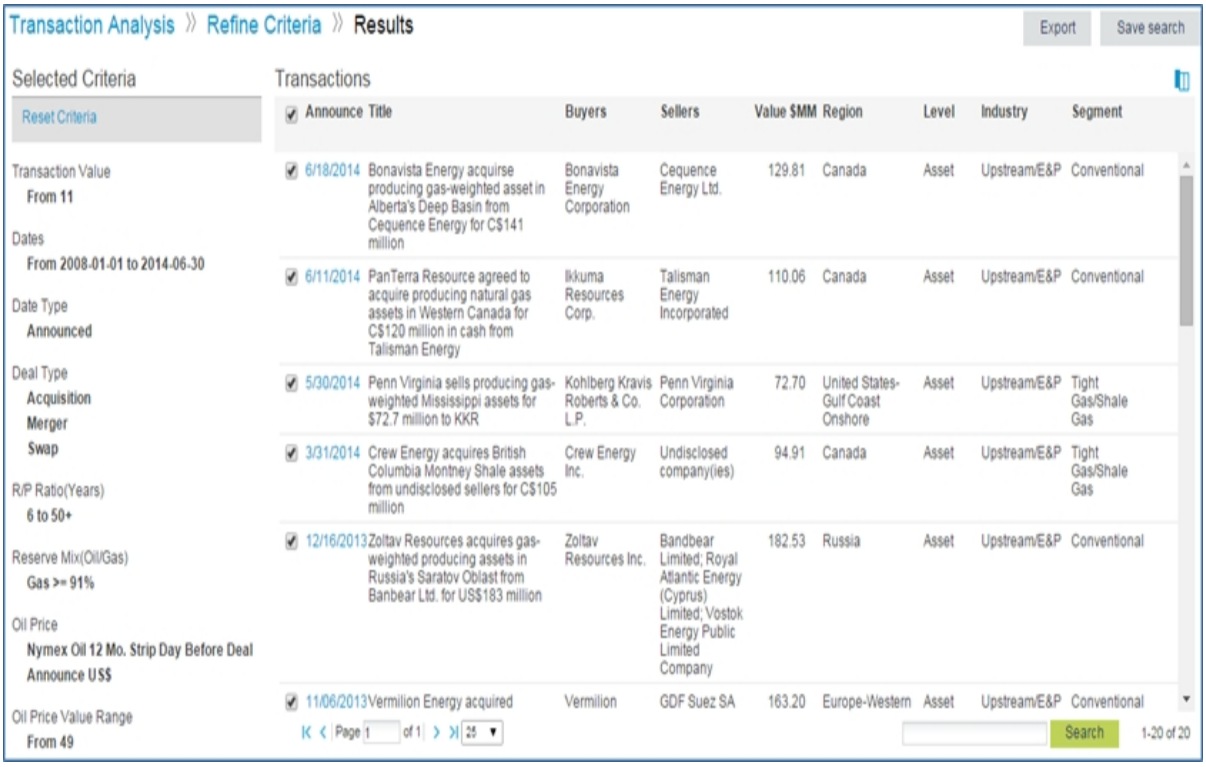
Use the options on these pages to include the criteria you want to see in search results. You can include as many or as few criteria as you prefer. You can clear all selections at any time.



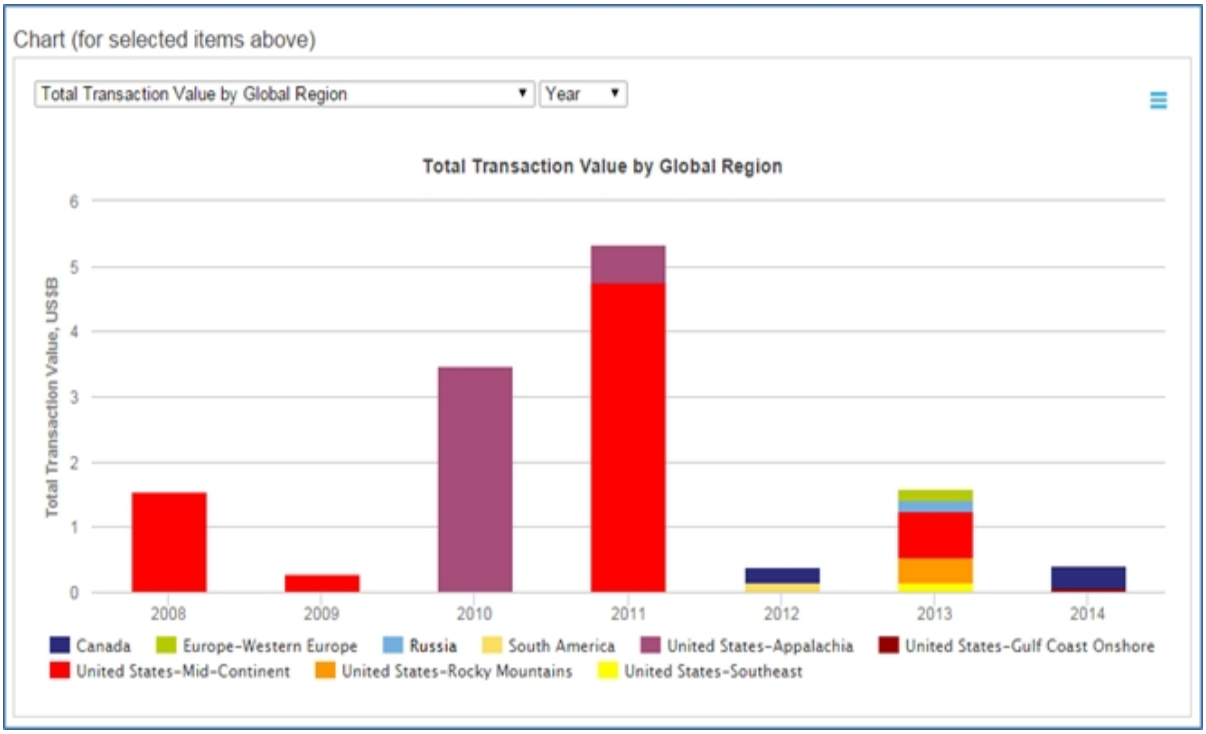
In the following example, we've reset the criteria.



The search results show the new Selected Criteria.

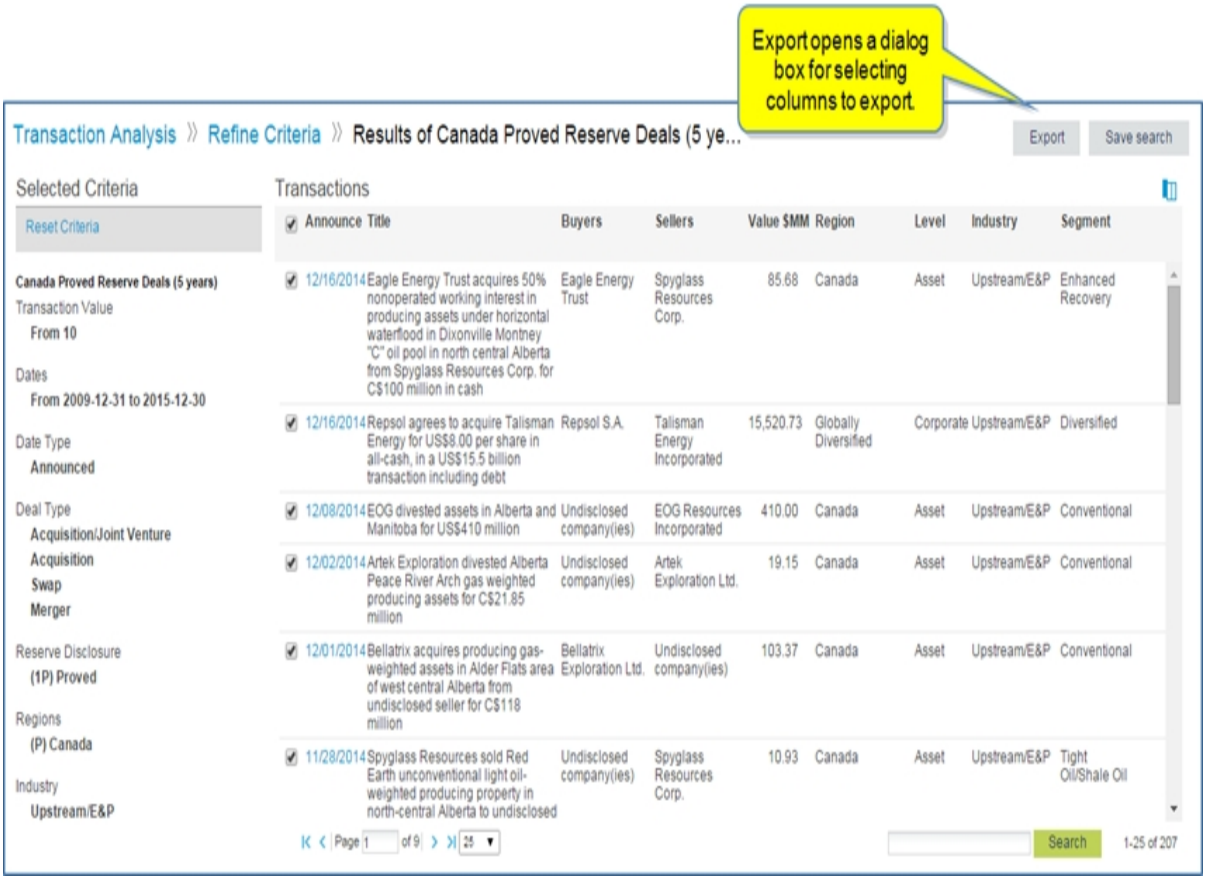


The chart view displays the Total Transaction Value by Global Region.



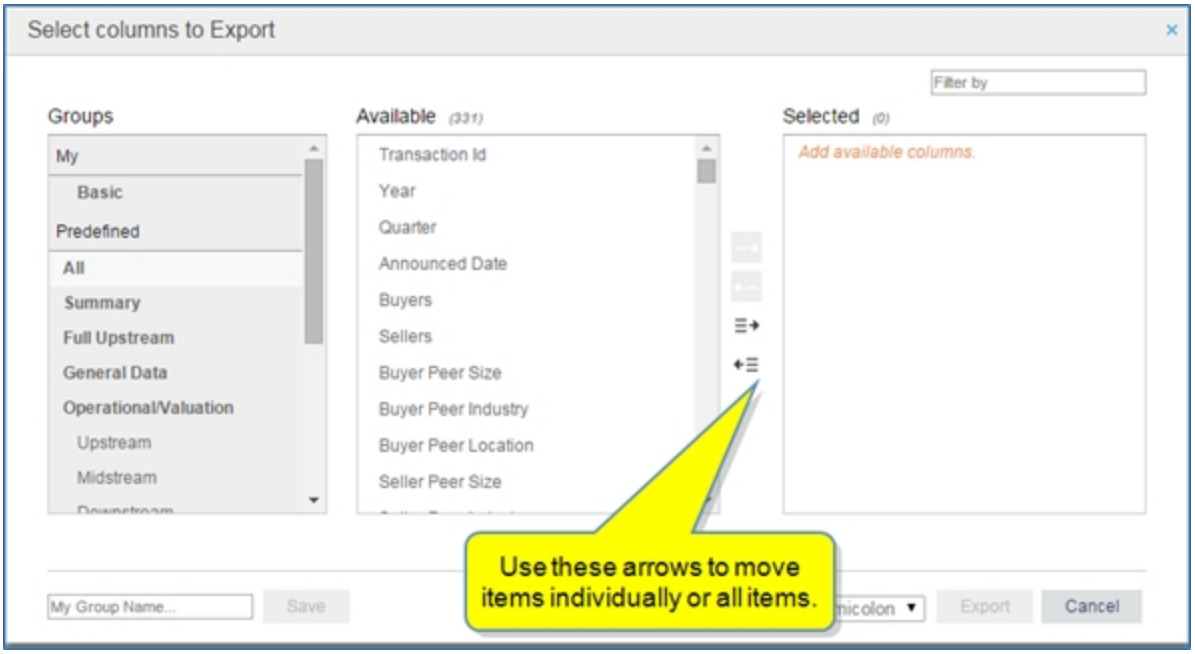
Exporting results

You may want to export results from a Quick Search or an Advanced Search. Select **Export** in the upper right corner.



The ***Select columns to Export*** dialog box opens. This feature allows you to create a custom excel export.

Here you can customize the columns for your export by selecting a Predefined Group (All is an option), and moving Available attributes to the Selected box by clicking the right arrow ( ) or move all icons ( ). Arrange attributes (columns) into a custom export order by dragging and dropping into position. Then click **Export**.



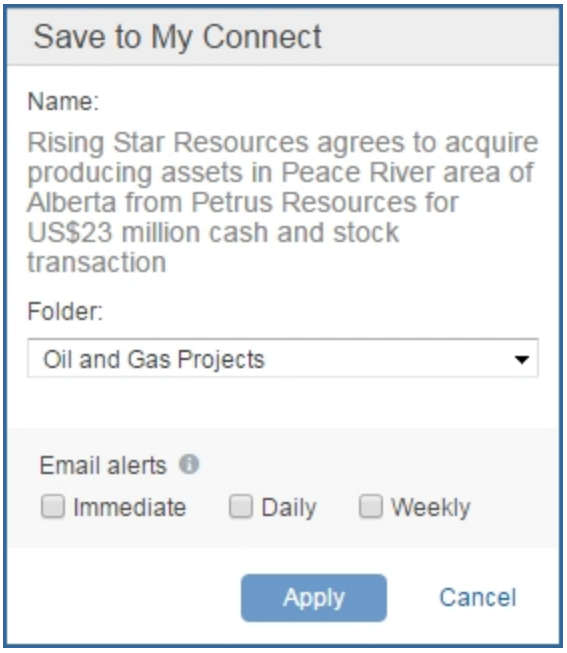
Note: To save your custom order of selected attributes, create a My group by entering a name into the **My Group Name...** input box and clicking **Save**.

Your saved attribute group will appear under My in the Groups column until you delete it. To delete, click the ✕ to the left of the My group name.

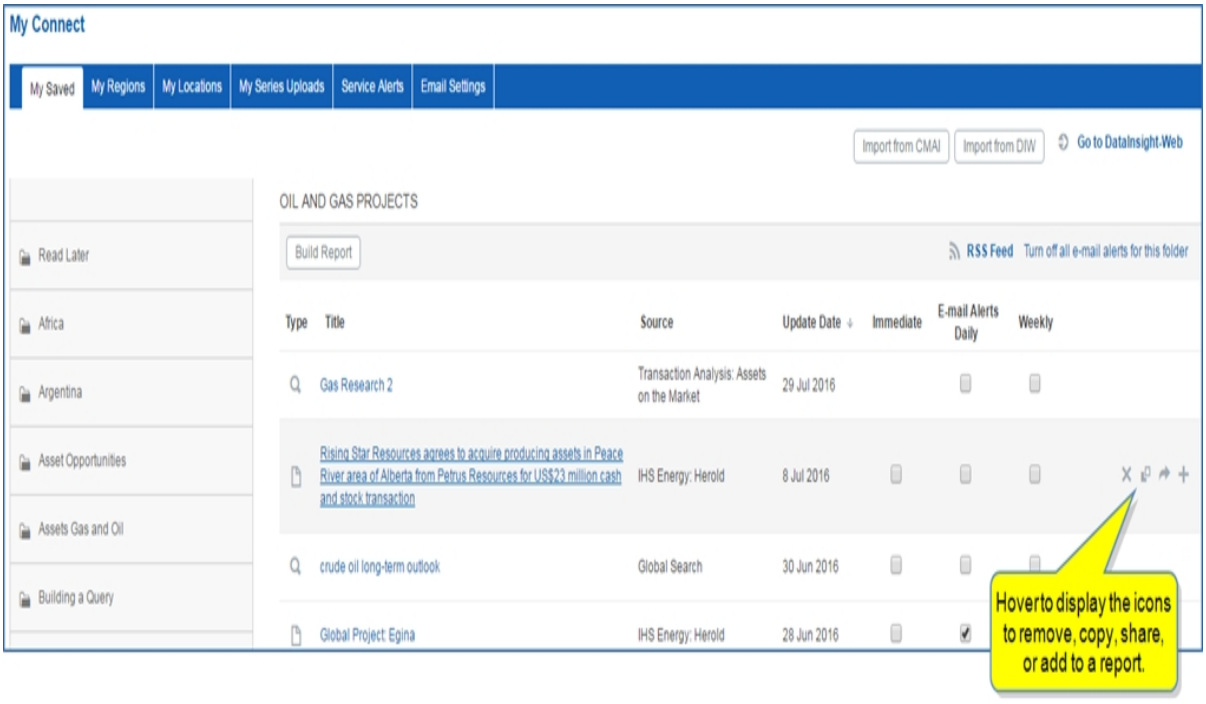
Saving search results

You may want to save individual search results. Select the **Save to My Connect** icon (+) appearing to the right of the result on hover.

The **Save to My Connect** box opens. Save the results to Read Later, any existing project folders, or create a new project. We'll save it to "Oil and Gas Projects."



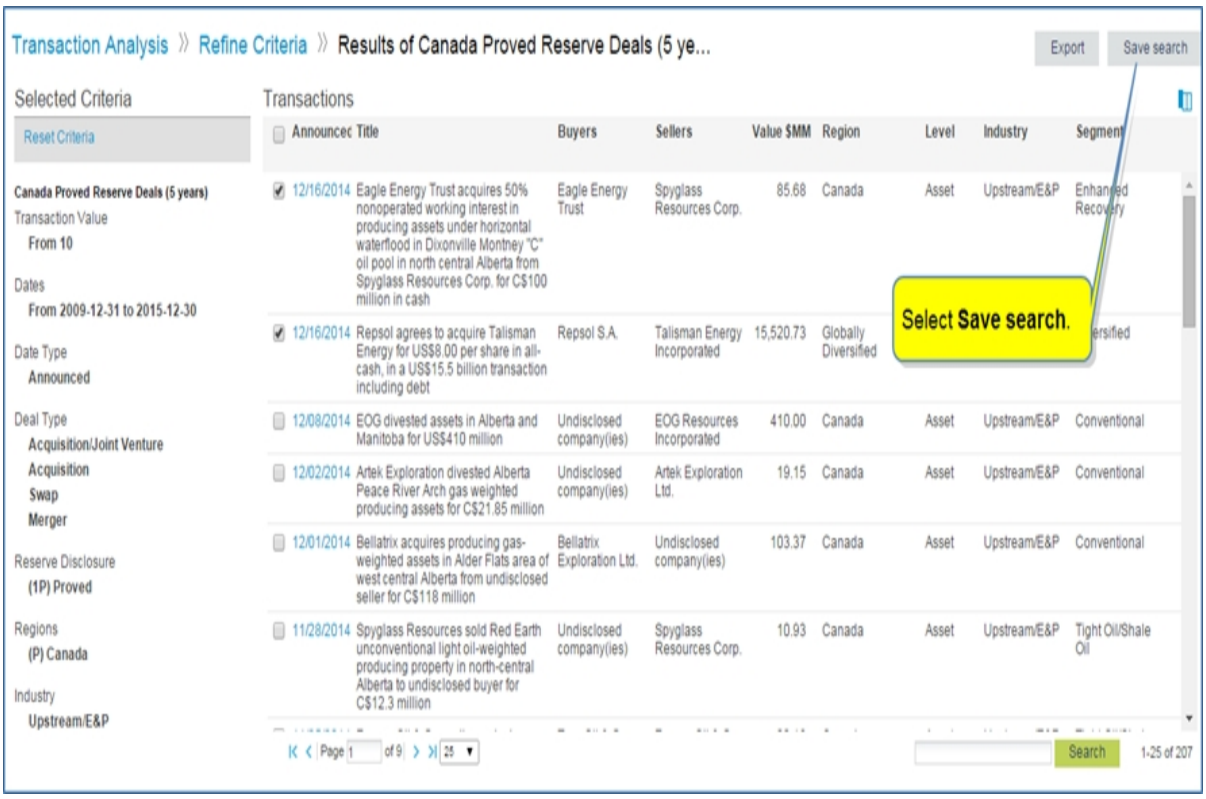
The saved project is stored as a document on My Connect in the Oil and Gas Projects folder. While hovering the project, you can share, copy it to another folder, or remove it from My Connect and the Transaction Analysis home page.



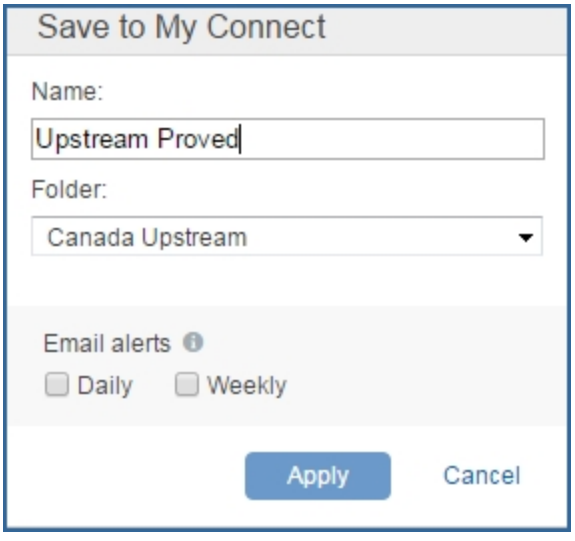
If you select the transaction while in My Connect, the article, detailed view is displayed.

Saving search criteria

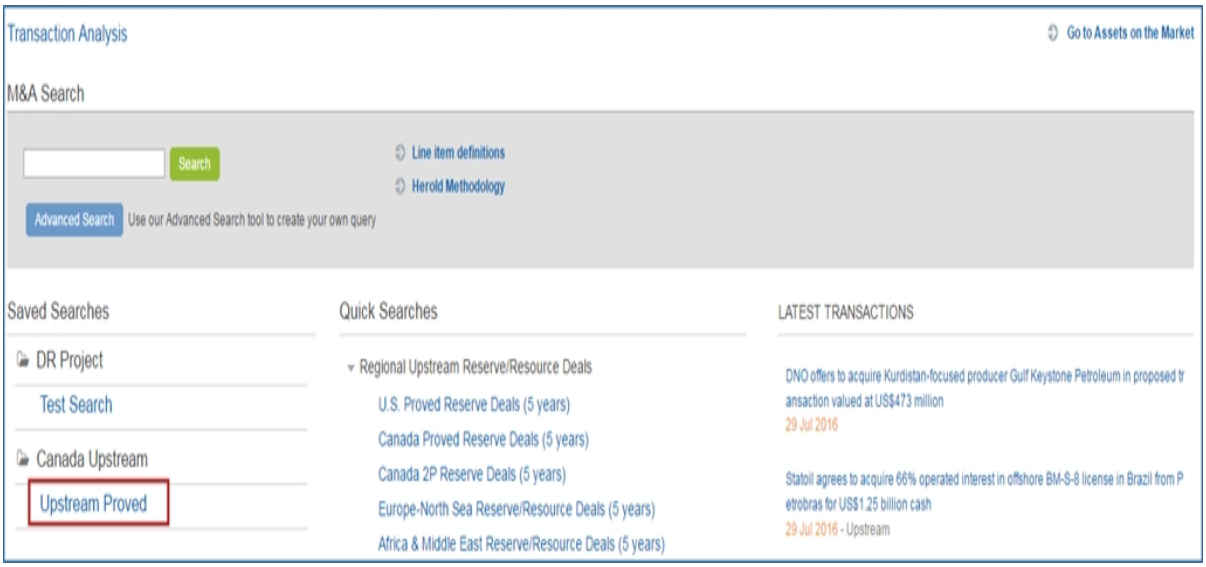
You may want to save a Quick Search or an Advanced Search. Select **Save search** in the upper right corner.



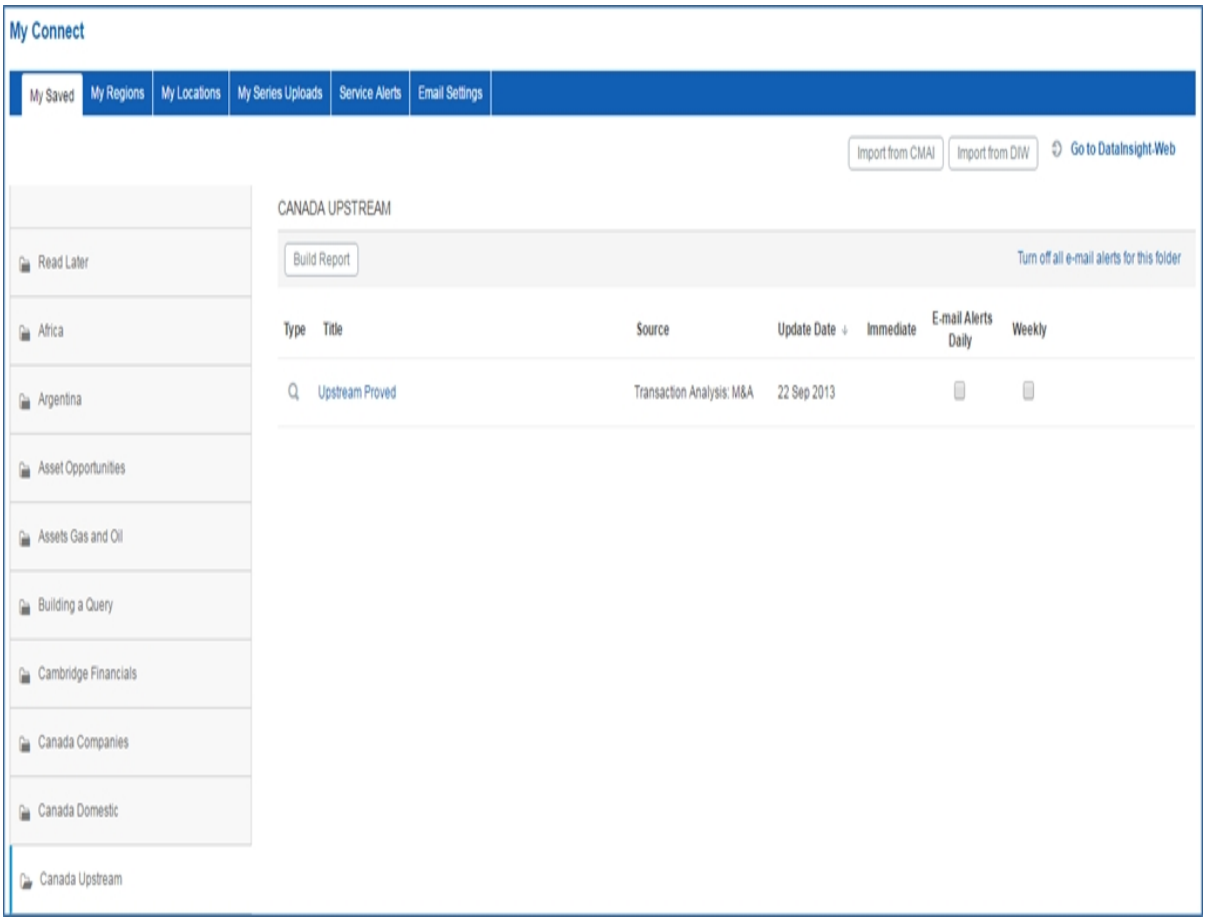
The save dialog box opens. We'll name the search "Upstream Proved," and create a new folder, "Canada Upstream." Because we created a new folder, we'll select **Create**. (To stay with the Read Later or DR Project folder, select **Save**.)



The new folder "Canada Upstream" containing the "Upstream Proved" search now appears under Saved Searches on the Transaction Analysis page. (Click the folder to view the search.)



It also appears on My Connect. with the Transaction Analysis Query Type icon.

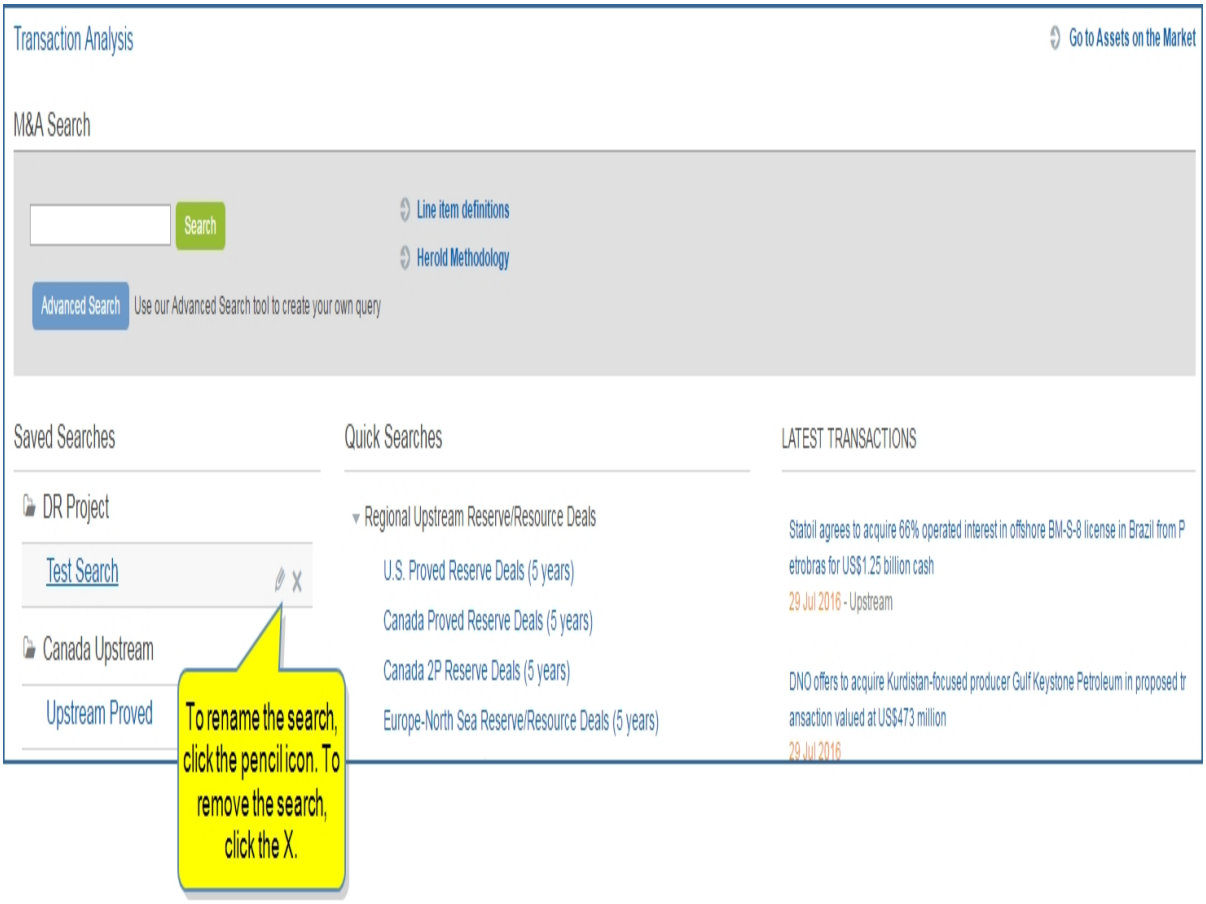


If you select the search while in My Connect, the search opens in Transaction Analysis on the Results page. If you want to revise your search criteria, just select **Refine Criteria** in the breadcrumbs trail. You can update the search when you refine criteria, or you can save the modifications as a new search.

Deleting Saved Searches

There are two places where you can delete a Transaction Analysis search—on the Transaction Analysis primary page and on My Connect. Deleting a search from either of these locations removes the search from Transactional Analysis, My Connect, and Email Settings.

To delete a saved search from the Transaction Analysis page, highlight the search and click the X.



To delete a search from My Connect, highlight the search and click the **X**.

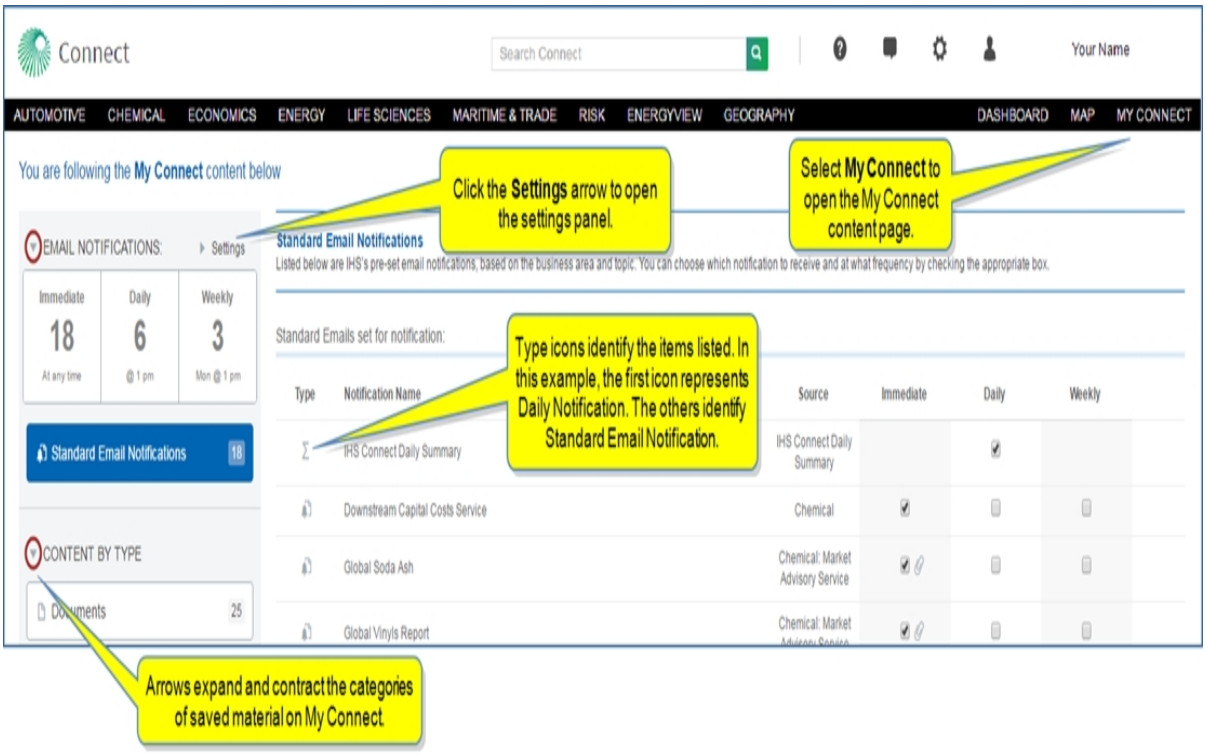
Note: If you created a new folder for the search, and you want to delete it, highlight the folder in the left pane of My Connect, and then click the **X**.

My Connect

About My Connect

The **My Connect** drop down on the Connect menu bar provides a direct link to **My Connect**. My Connect is your single access point to email notification settings, saved items, and additional features such as My Locations, My Regions, and My Series Upload.

When you select your focus in the left pane, the right pane populates with the associated information. In the following graphic, **Standard Email Notification** is selected in the left pane, and the right pane is populated with the notifications.



You can find all of your saved material on My Connect, which functions as a dashboard view for all of your saved content. Arrows allow you to expand and contract the categories for saved material.

The following sections cover the layout and function of the categories of saved material:

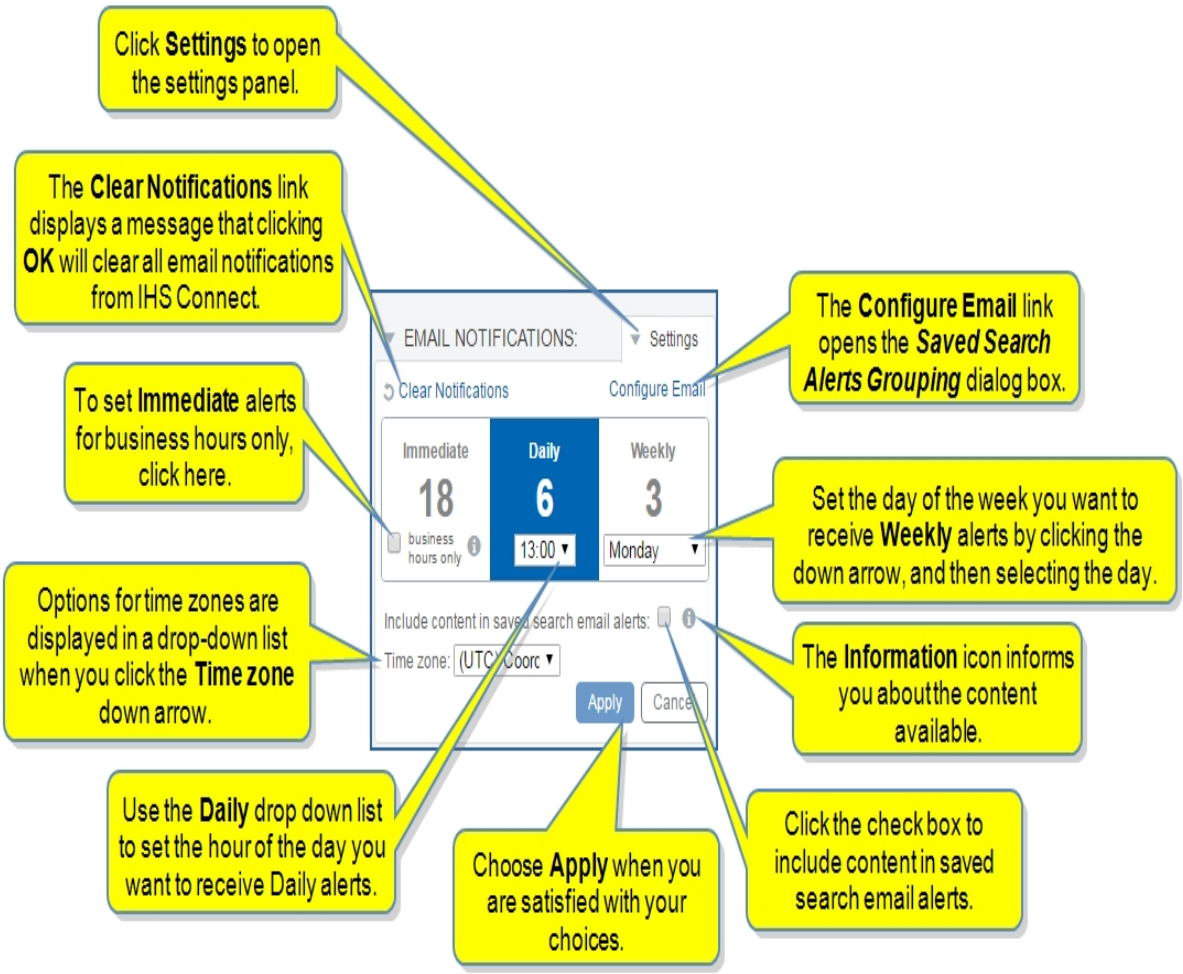
- Email Settings
- Email Notifications grouped by frequency
- Standard Email Notification
- Saved items sorted by type and folders
  - Breadcrumbs navigation
  - Update of saved content

- Saved content and your subscription
- Automatic saving
- Additional Features
  - My Locations
  - My Regions
  - My Series Upload

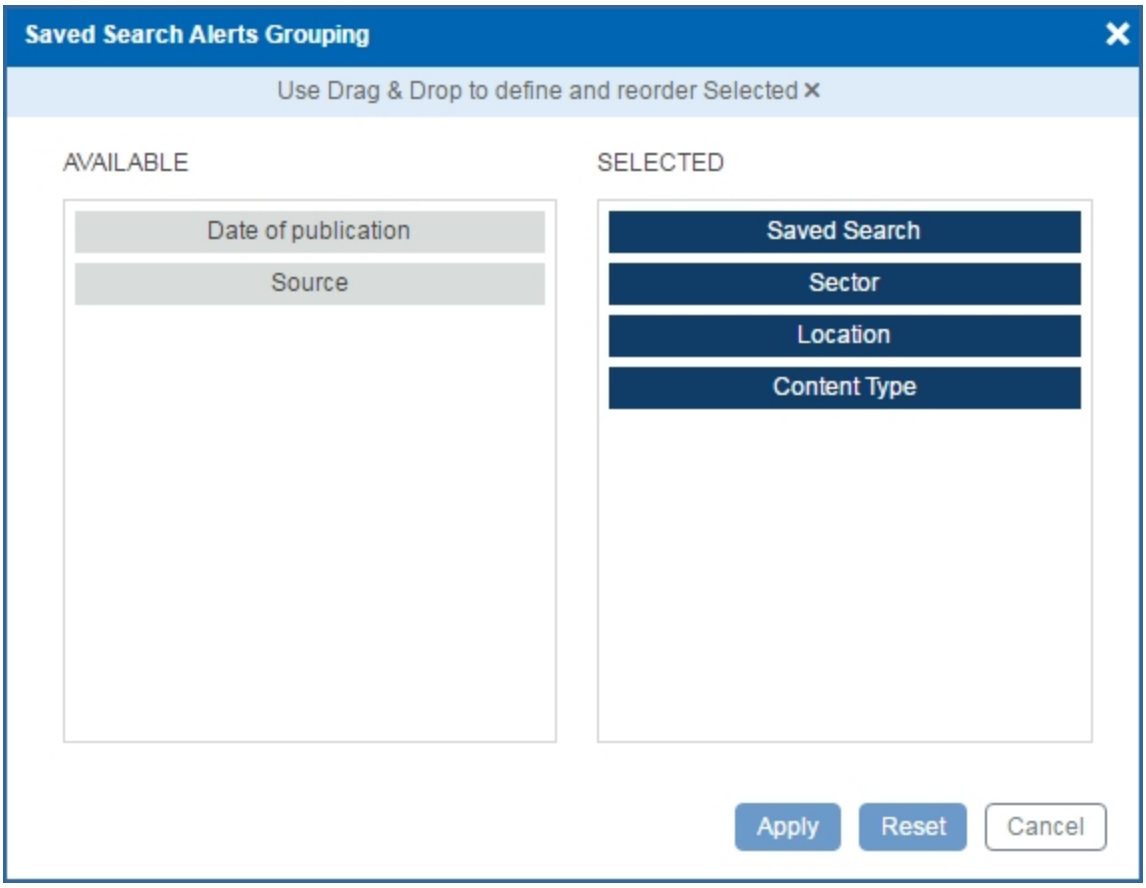
Email Settings

Selecting **Settings** displays the Email Settings choices. You can manage sorting and grouping criteria for saved search alerts, include content in saved search email alerts, and set delivery settings for the days and hours.

You can also clear all notifications in Connect by selecting the Clear Notifications link. A message dialog asks for confirmation so you are sure that all notifications will be cleared when you click **OK**.

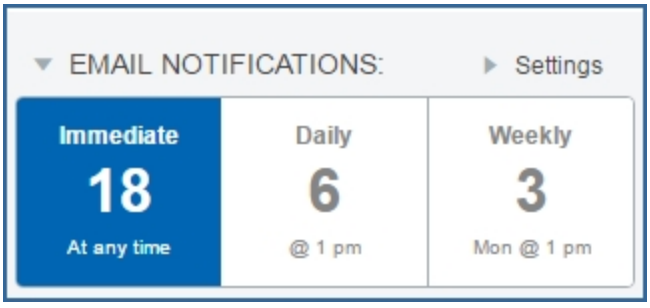


When you select the **Configure Email** link, the ***Saved Search Alerts Grouping*** dialog is displayed. Drag and drop to select and order your preference for included content, and then click **OK**. A **Reset** button is also available to display the default settings.



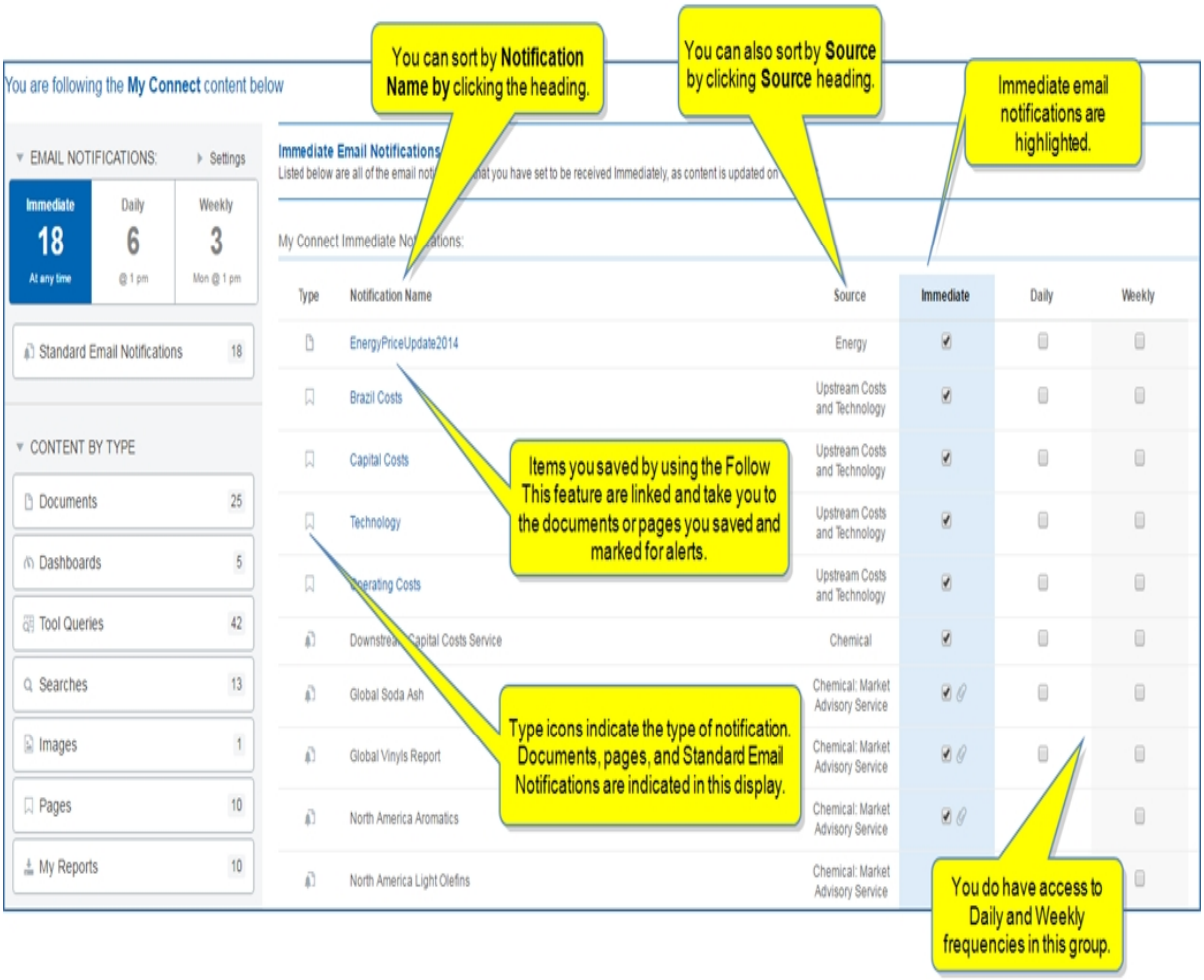
Email Notifications grouped by frequency

When the **Email Notifications** category is expanded, you have options to view custom and standard email notifications. **Immediate**, **Daily**, and **Weekly** selection boxes are displayed that tally the number of email alerts you have set for those frequencies. When you add, change, or delete from these options, the number of alerts for each category change accordingly.



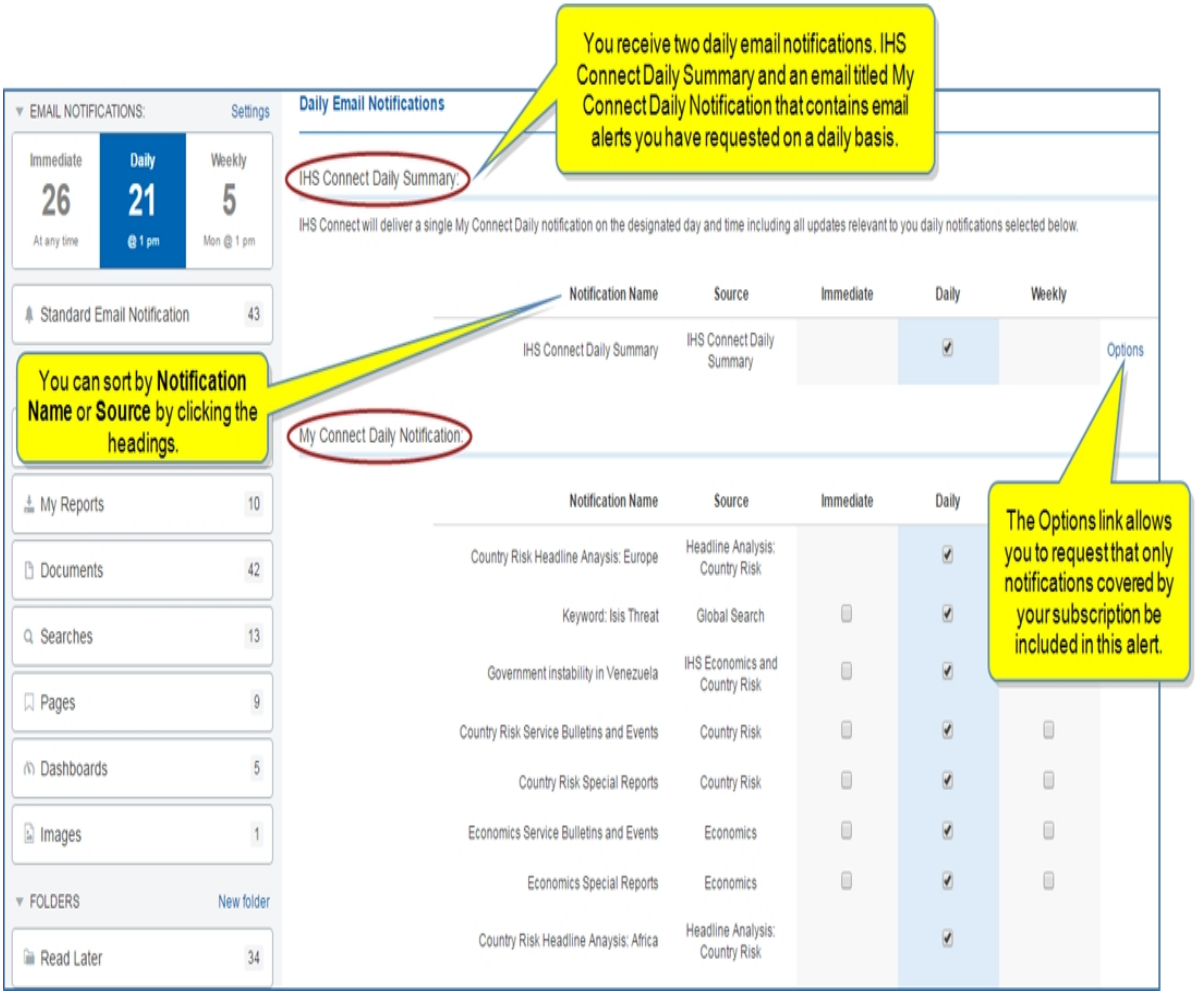
Immediate Email Notifications

Immediate Email Notifications are highlighted. You can sort by **Notification Name** and **Source**. Although Immediate notifications are highlighted, you do have access to the Daily and Weekly choices in this view.



Daily Email Notifications

The Connect Daily Summary email notification and the My Connect Daily Notification come in two separate emails.

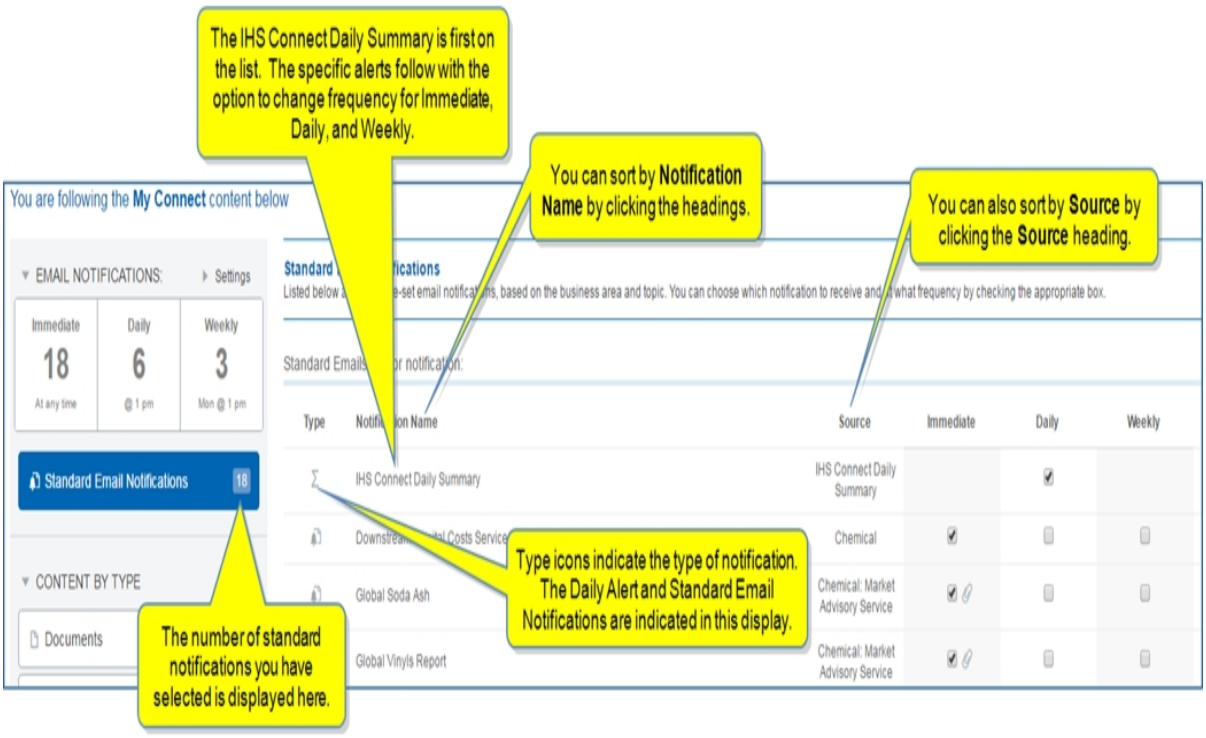


Weekly Email Notifications

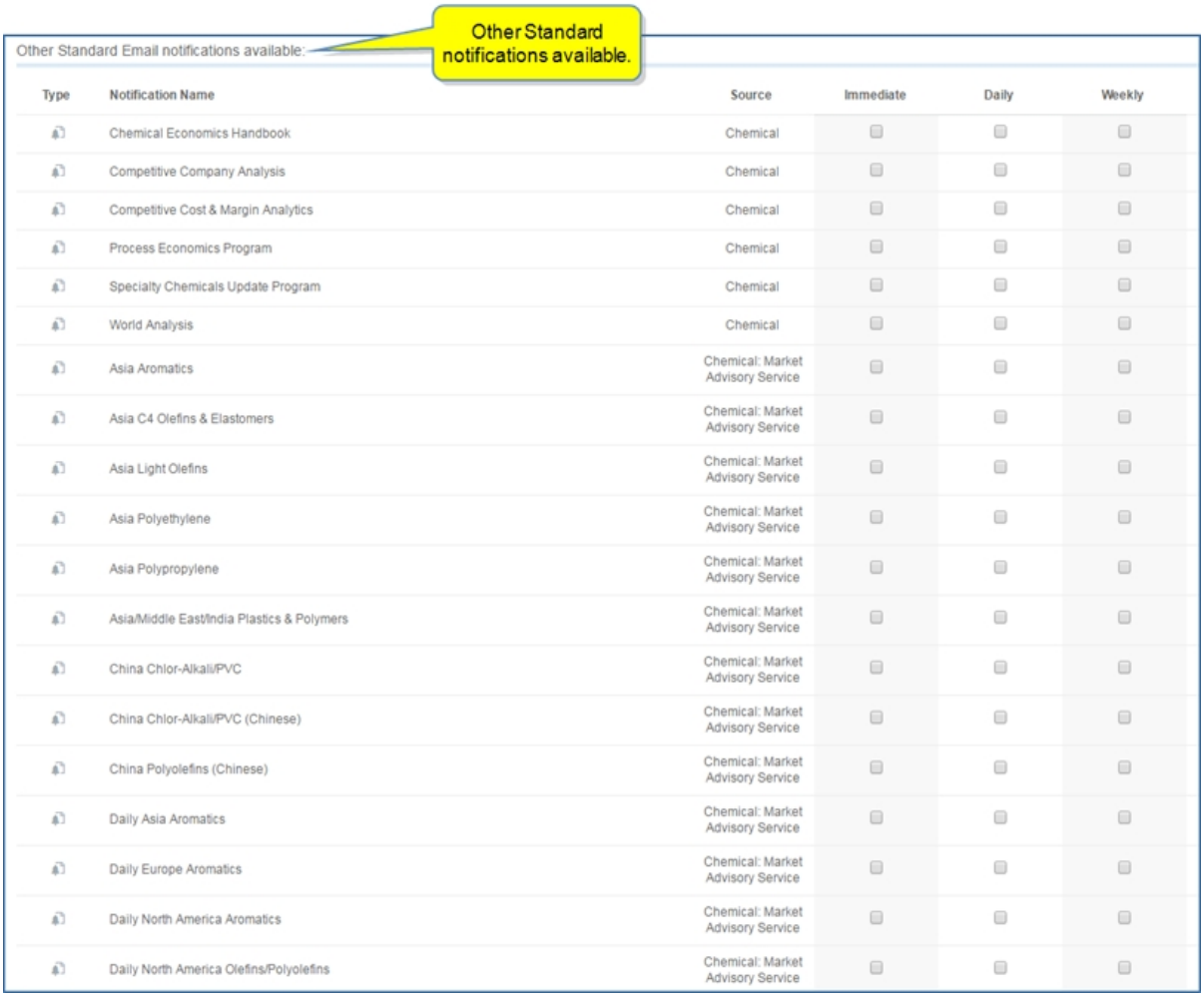
The Weekly Email Notifications are your custom selected weekly alerts.

Standard Email Notification

Standard Email Notifications are Connect pre-defined notifications you can turn on and off. The first section of the Standard Email Notifications page displays the Connect Daily Summary and the standard notifications you have selected to receive on an immediate, daily, or weekly basis.

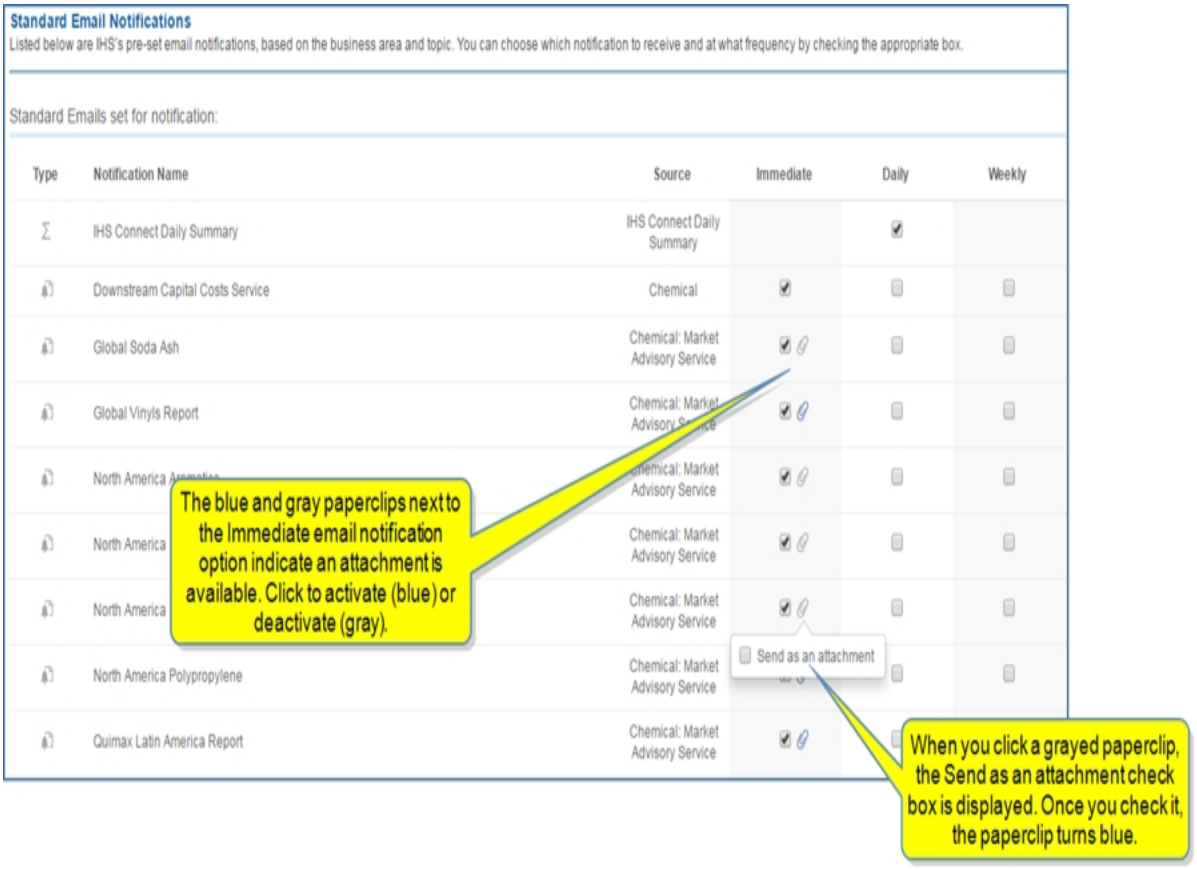


Following the standard notifications you have turned on, you'll find the list of remaining standard notifications available. If you turn on an item on this list, the item moves to the list of selected notifications. Any standard notifications you turn off move from the first list to this second list.

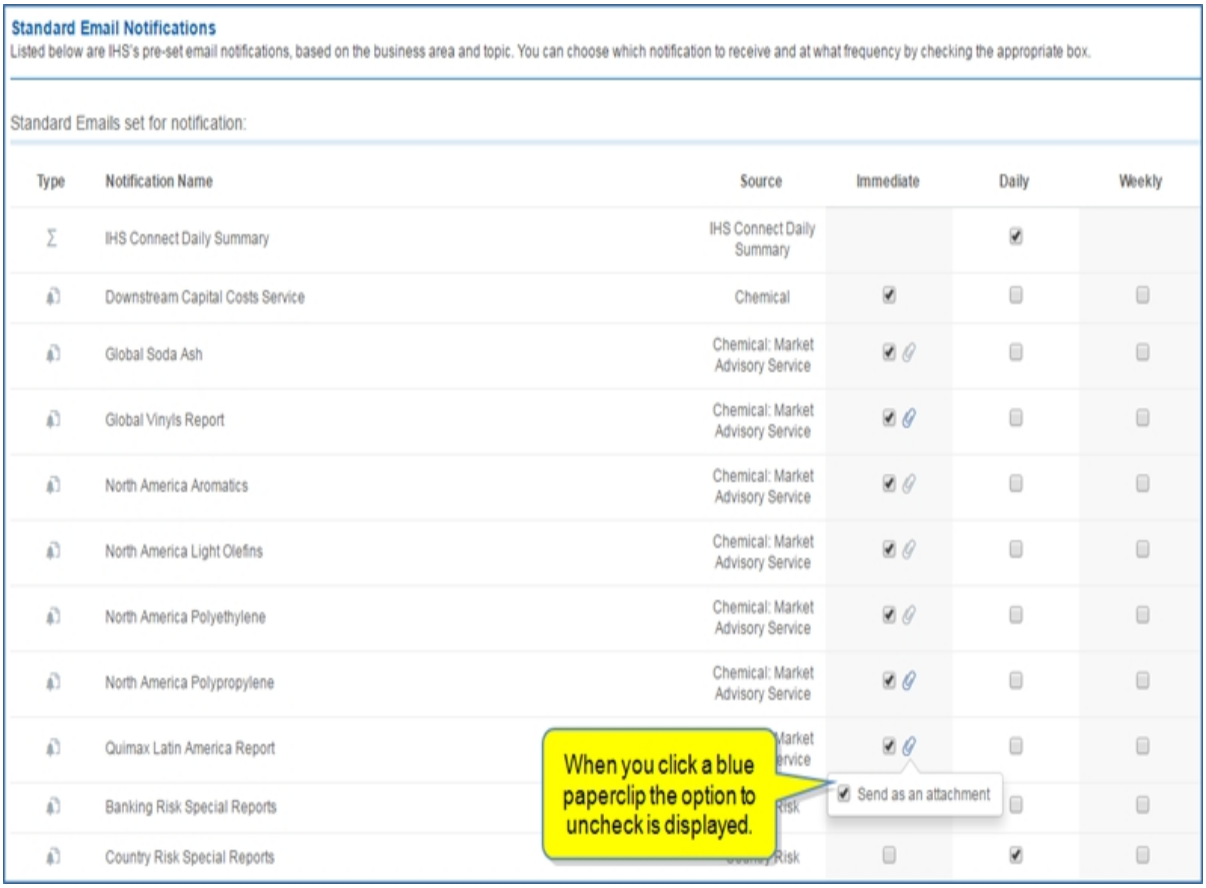


Type	Notification Name	Source	Immediate	Daily	Weekly
	Chemical Economics Handbook	Chemical			
	Competitive Company Analysis	Chemical			
	Competitive Cost & Margin Analytics	Chemical			
	Process Economics Program	Chemical			
	Specialty Chemicals Update Program	Chemical			
	World Analysis	Chemical			
	Asia Aromatics	Chemical: Market Advisory Service			
	Asia C4 Olefins & Elastomers	Chemical: Market Advisory Service			
	Asia Light Olefins	Chemical: Market Advisory Service			
	Asia Polyethylene	Chemical: Market Advisory Service			
	Asia Polypropylene	Chemical: Market Advisory Service			
	Asia/Middle East/India Plastics & Polymers	Chemical: Market Advisory Service			
	China Chlor-Alkali/PVC	Chemical: Market Advisory Service			
	China Chlor-Alkali/PVC (Chinese)	Chemical: Market Advisory Service			
	China Polyolefins (Chinese)	Chemical: Market Advisory Service			
	Daily Asia Aromatics	Chemical: Market Advisory Service			
	Daily Europe Aromatics	Chemical: Market Advisory Service			
	Daily North America Aromatics	Chemical: Market Advisory Service			
	Daily North America Olefins/Polyolefins	Chemical: Market Advisory Service			

The Chemical: Market Advisory Service and the Strategic Horizons Energy-Wide Perspectives source, which includes a Russian version, send email alerts with an attachment if you activate the attachment option. Click the gray paperclip next to the Immediate check box to display **Send as an attachment** with a check box provided. When the paperclip is blue, an attachment is sent. When the paperclip is gray, no attachment is included in the email alert.

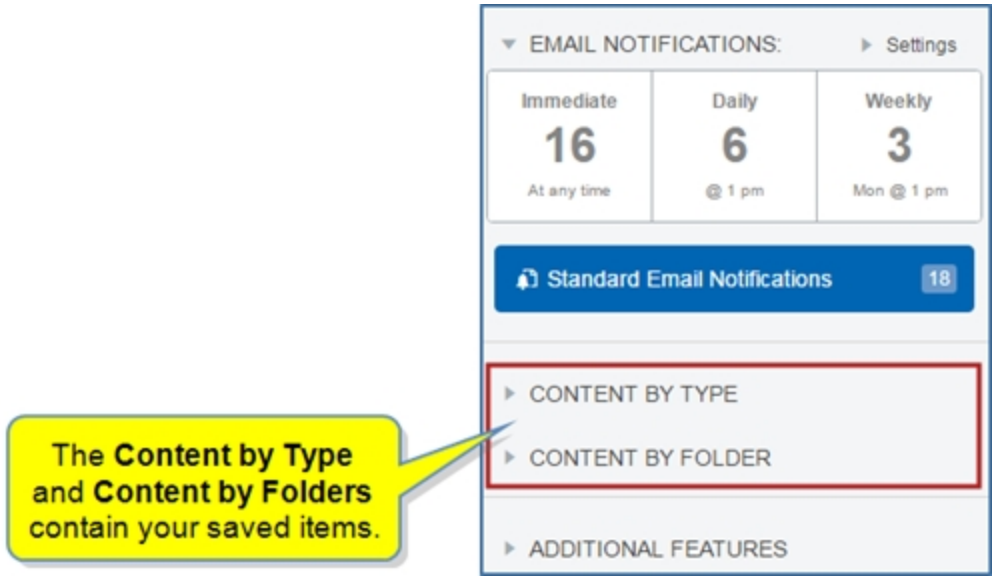


When you click a blue paperclip, the option to uncheck **Send as an attachment** is displayed.



Saved items

All of your saved items are contained in the **Content by Type** and **Content by Folder** categories. **Content by Type** sorts your saved material by type: Documents, Dashboards, Tool Queries, Searches, Images, Pages, and My Reports. **Content by Folders** organizes your saved material into topics that you have created.

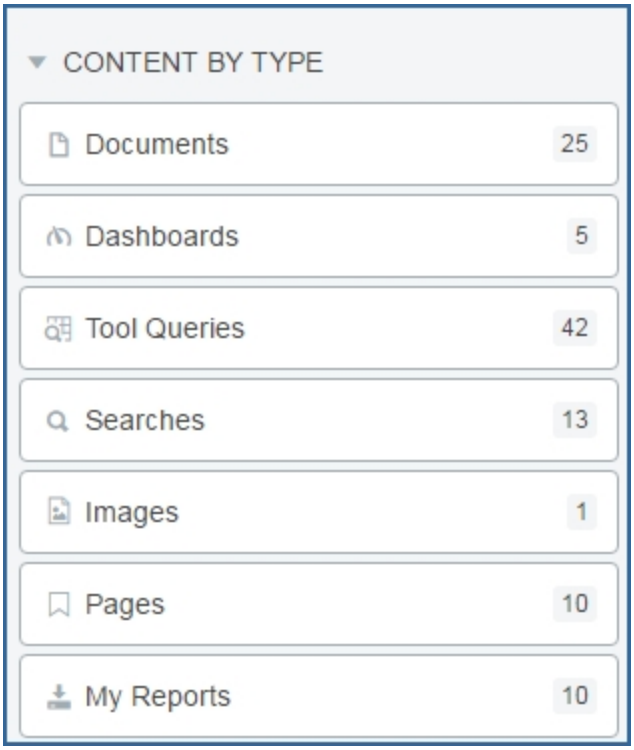


Content by Type

Expanding **Content by Type** displays the category types of saved material and the number of items in each category.

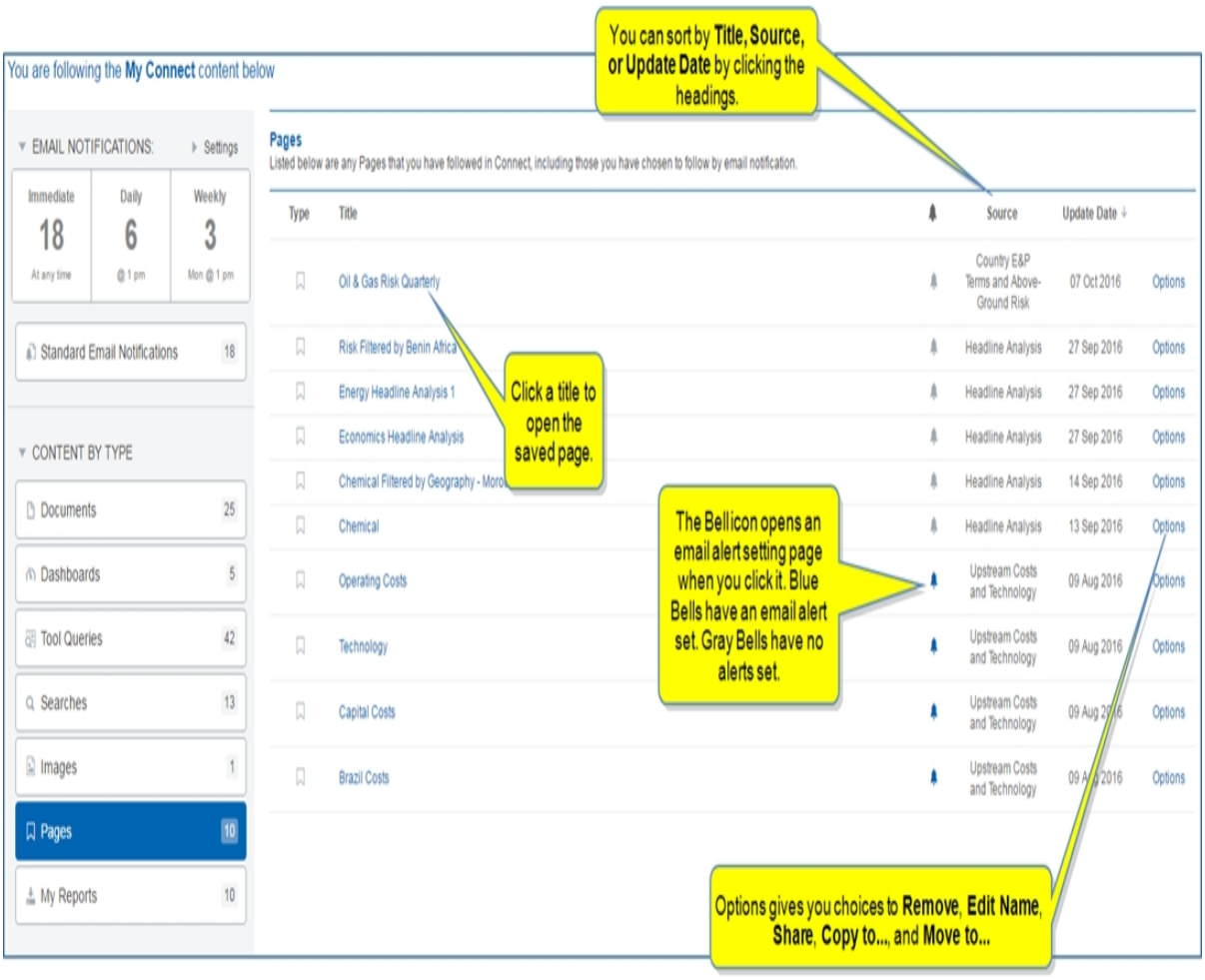
The category types are:

- Documents
- Dashboards
- Tool Queries
- Searches
- Images
- Pages
- My Reports

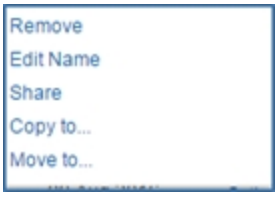


If we select **Pages**, all of the **Follow This** items saved from Chemical, Economics, Energy, and Risk capabilities pages are listed with the source in the right pane.

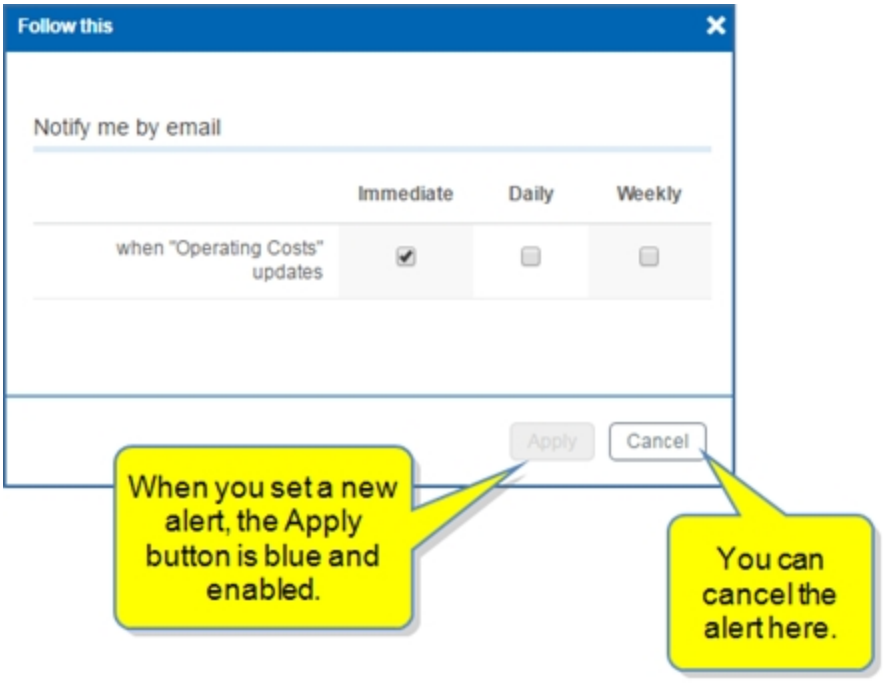
You can sort by **Title**, **Source**, and **Update Date** by clicking the headings. Click a title to open the page.



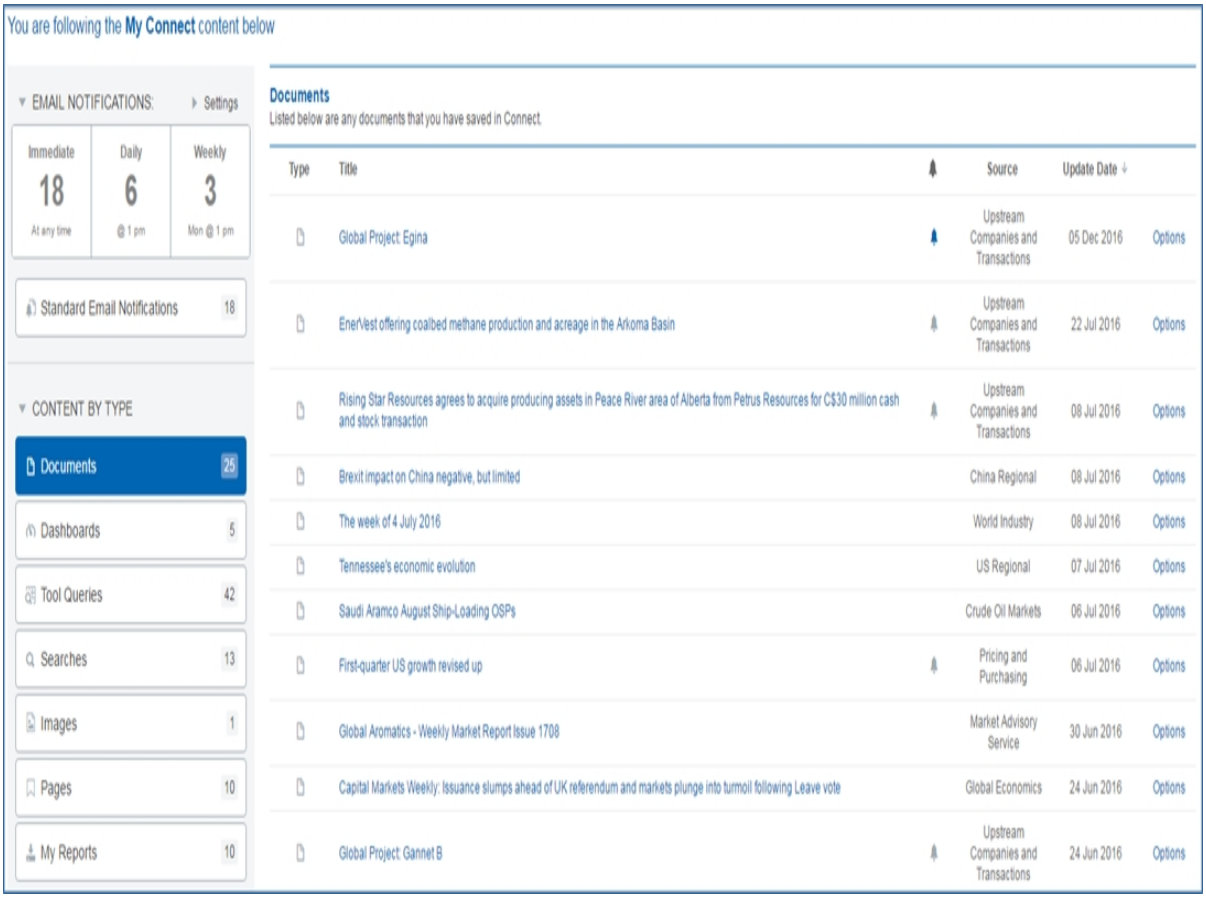
When you select an **Options** link, you open choices to **Remove**, **Edit Name**, **Share**, **Copy to...**, and **Move to...**.

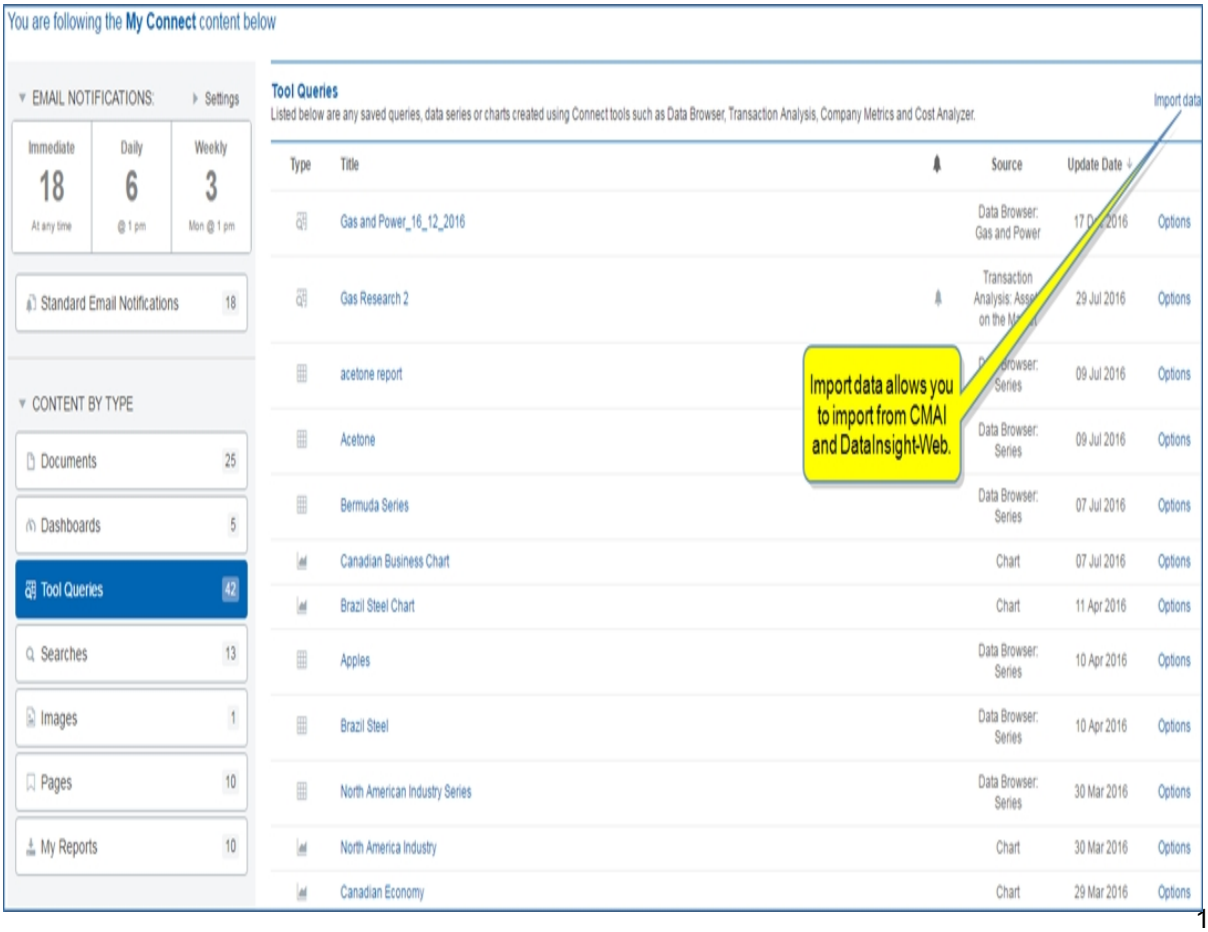


The **Bell** icon opens a ***Follow this*** dialog box that allows you to set an email alert. When the **Bell** icon is gray, no email alerts are set. When the **Bell** icon is blue, an email alert is set.



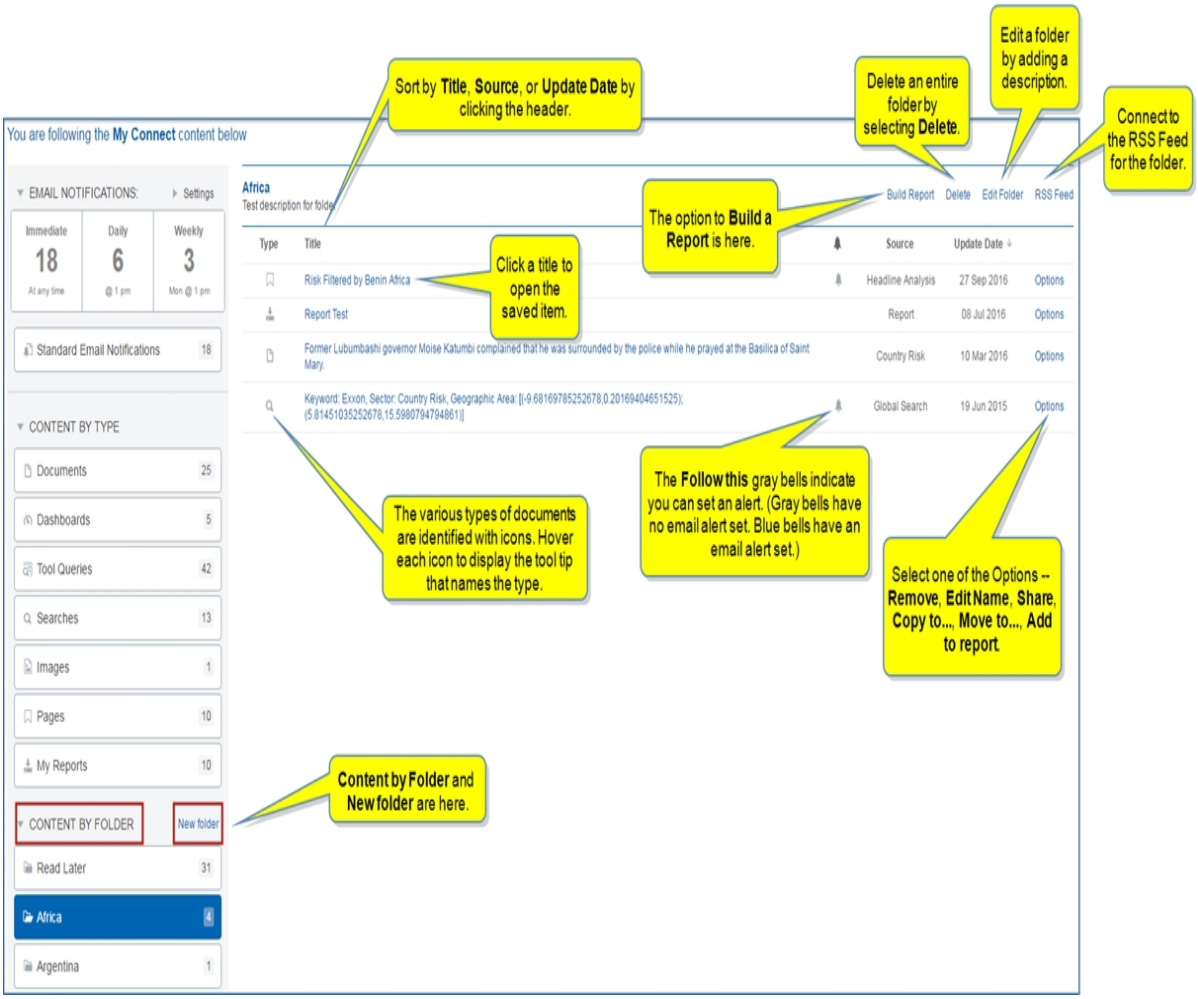
Two more examples of **Content by Type** include **Documents** and **Tool Queries**.


You are following the My Connect content below
EMAIL NOTIFICATIONS:
Settings
Immediate 18 At any time
Daily 6 @ 1 pm
Weekly 3 Mon @ 1 pm
Standard Email Notifications 18
CONTENT BY TYPE
Documents 25
Dashboards 5
Tool Queries 42
Searches 13
Images 1
Pages 10
My Reports 10
Documents
Listed below are any documents that you have saved in Connect.
Type
Title
Source
Update Date
Global Project: Egina
Upstream Companies and Transactions
05 Dec 2016
Options
EnerVest offering coalbed methane production and acreage in the Arkoma Basin
Upstream Companies and Transactions
22 Jul 2016
Options
Rising Star Resources agrees to acquire producing assets in Peace River area of Alberta from Petrus Resources for C$30 million cash and stock transaction
Upstream Companies and Transactions
08 Jul 2016
Options
Brexit impact on China negative, but limited
China Regional
08 Jul 2016
Options
The week of 4 July 2016
World Industry
08 Jul 2016
Options
Tennessee's economic evolution
US Regional
07 Jul 2016
Options
Saudi Aramco August Ship-Loading OSPs
Crude Oil Markets
06 Jul 2016
Options
First-quarter US growth revised up
Pricing and Purchasing
06 Jul 2016
Options
Global Aromatics - Weekly Market Report Issue 1708
Market Advisory Service
30 Jun 2016
Options
Capital Markets Weekly: Issuance slumps ahead of UK referendum and markets plunge into turmoil following Leave vote
Global Economics
24 Jun 2016
Options
Global Project: Gannet B
Upstream Companies and Transactions
24 Jun 2016
Options


You are following the My Connect content below
EMAIL NOTIFICATIONS:
Settings
Immediate 18 At any time
Daily 6 @ 1 pm
Weekly 3 Mon @ 1 pm
Standard Email Notifications 18
CONTENT BY TYPE
Documents 25
Dashboards 5
Tool Queries 42
Searches 13
Images 1
Pages 10
My Reports 10
Tool Queries
Listed below are any saved queries, data series or charts created using Connect tools such as Data Browser, Transaction Analysis, Company Metrics and Cost Analyzer.
Import data
Type
Title
Source
Update Date
Gas and Power_16_12_2016
Data Browser: Gas and Power
Options
Gas Research 2
Transaction Analysis:
29 Jul 2016
Options
acetone report
09 Jul 2016
Options
Acetone
Data Browser: Series
09 Jul 2016
Options
Bermuda Series
Data Browser: Series
07 Jul 2016
Options
Canadian Business Chart
Chart
07 Jul 2016
Options
Brazil Steel Chart
Chart
11 Apr 2016
Options
Apples
Data Browser: Series
10 Apr 2016
Options
Brazil Steel
Data Browser: Series
10 Apr 2016
Options
North American Industry Series
Data Browser: Series
30 Mar 2016
Options
North America Industry
Chart
30 Mar 2016
Options
Canadian Economy
Chart
29 Mar 2016
Options
Import data allows you to import from CMAI and DataInsight-Web.

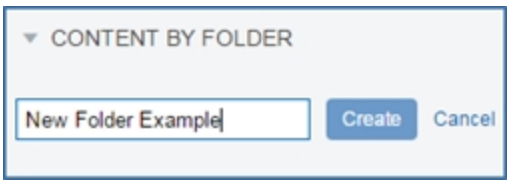
Content by Folders

You can organize the items you save into folders. The Read Later folder is always available. Create custom folders to organize saved content under topics by selecting **New folder**.



To create a new folder

1. Select **New folder**.
2. Enter the name of a new folder into the field.
3. Click **Create**.

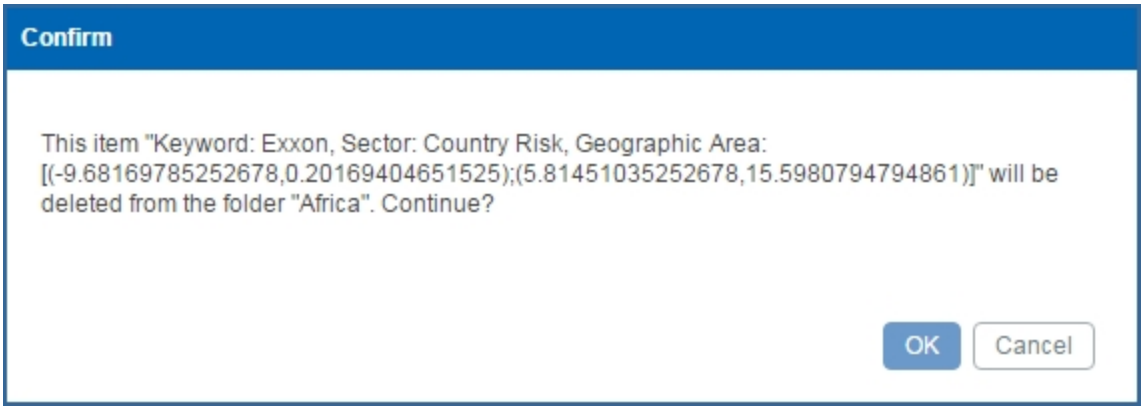


New Folder Example now appears in the folder list.

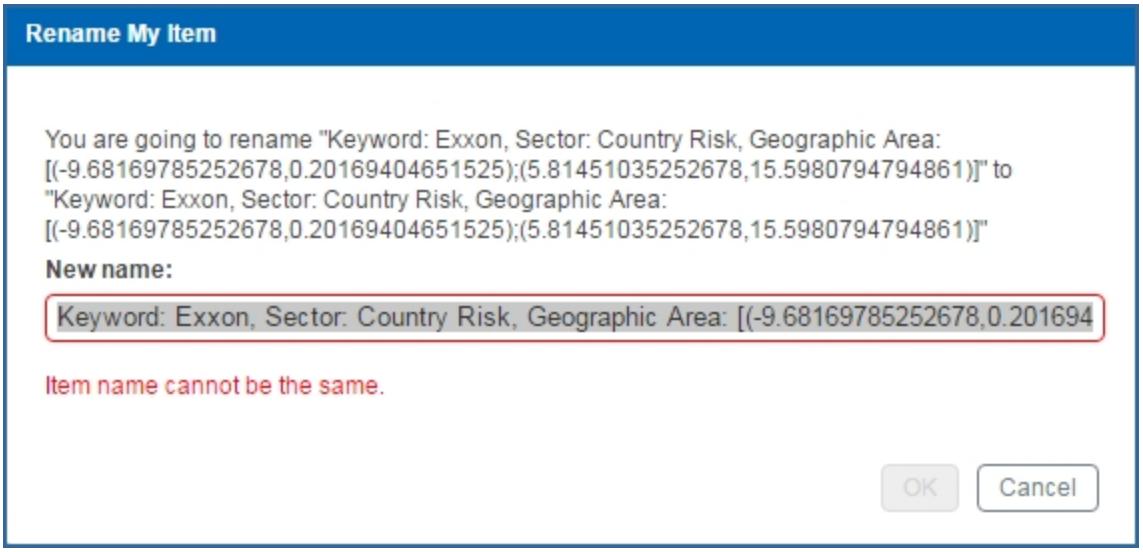
Note: You can use the **Move to...** feature when you select **Options** to move a document from one folder to another, but you cannot copy a document to another folder. To maintain consistency with email alerts, a given document can only be saved in one folder.

The following example lists the **Options** available for a Global Search Query.

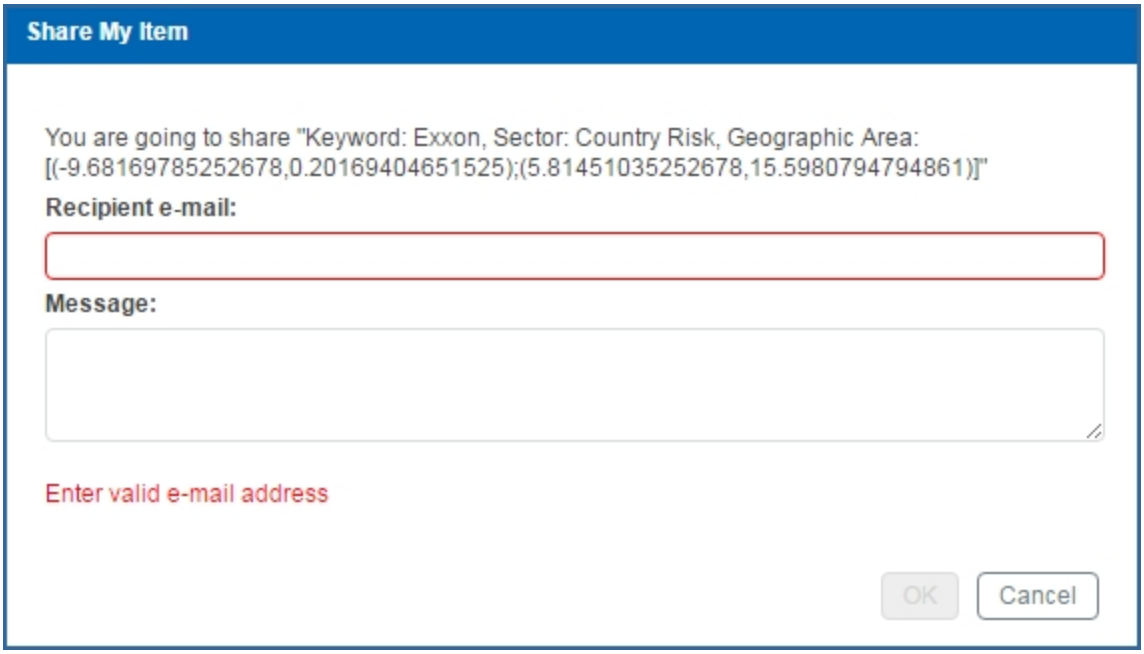
Remove deletes the folder.



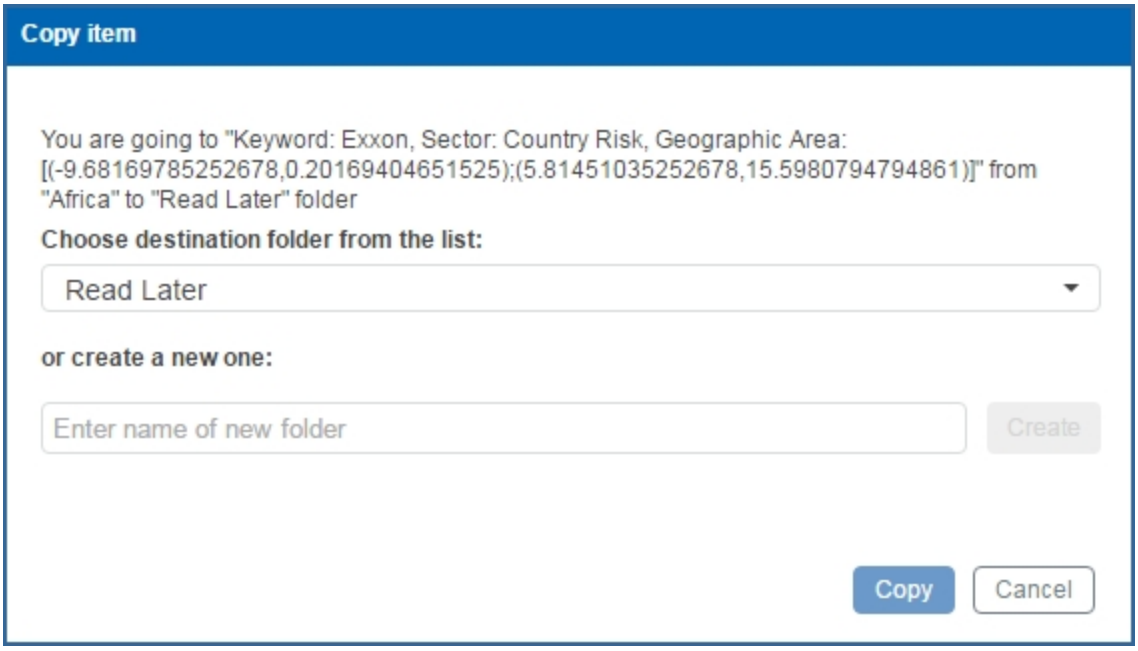
Edit Name opens the ***Rename My Item*** dialog box where you can enter a new name for the item.



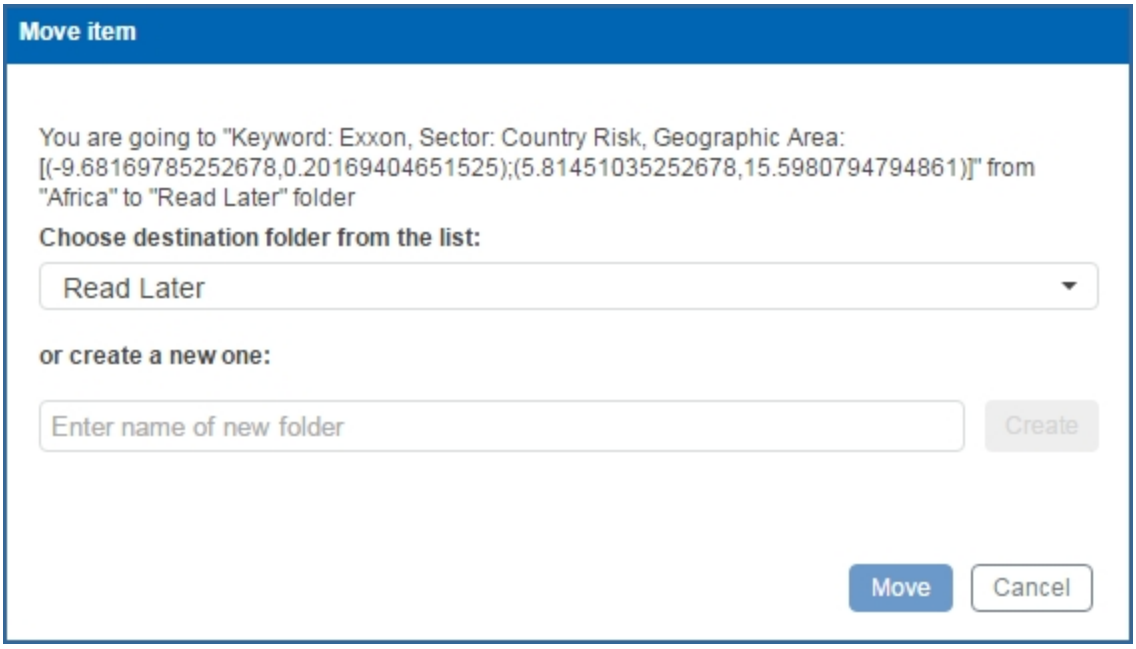
Share opens the ***Share My Item*** dialog box where you can enter an email recipient and message to share the item.



Copy to... opens the ***Copy item*** dialog box where you can select a different folder or create a new one for the item.



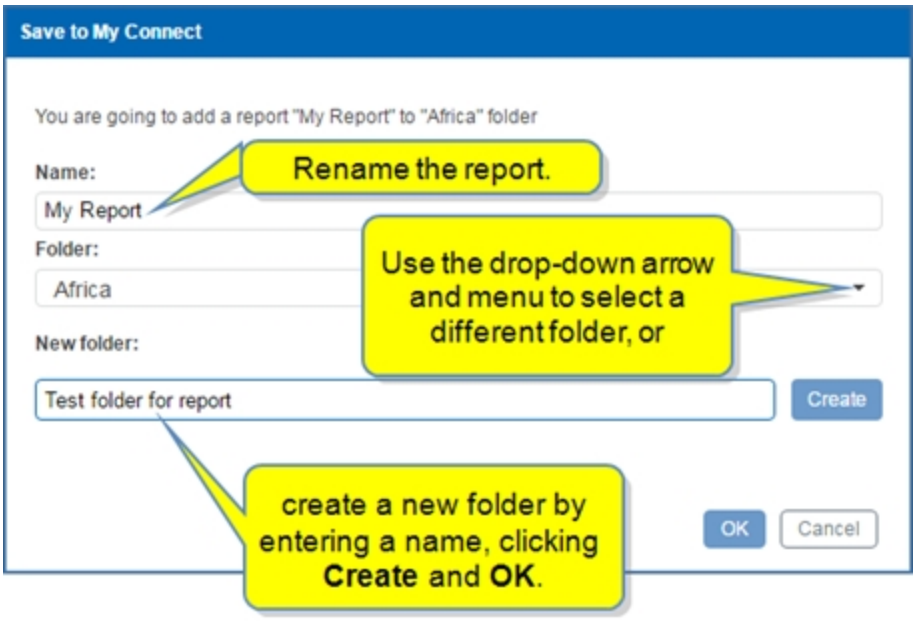
Move to... opens the ***Move item*** dialog box where you can move the item to a different folder or a new folder.



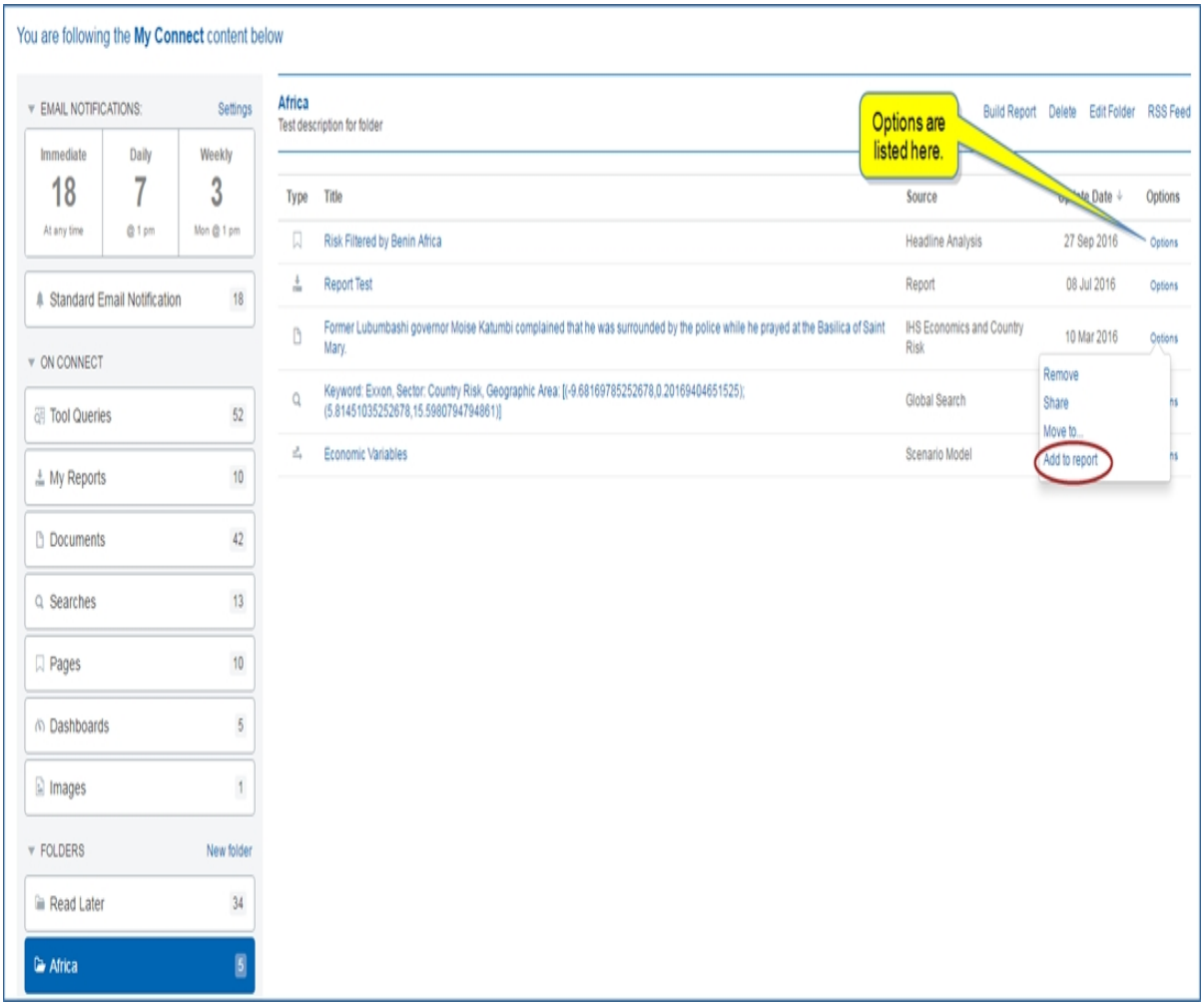
Follow This open the ***Follow this item*** dialog box where you can set a **Daily**, **Immediate**, or **Weekly** email alert.

• • •

Selecting **Build Report** opens a ***Save to My Connect*** dialog box informing you that, "You are going to add a report 'My Report' to 'Africa' folder." You can change the name of the report, use the drop-down menu to select another folder on My Connect, or create a new folder, and then click **Create**.

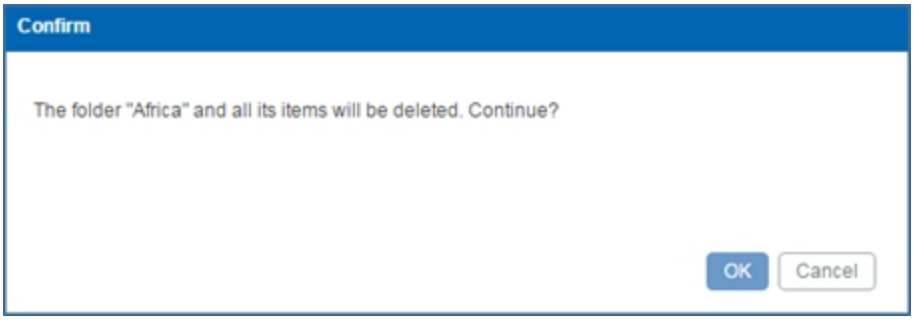


An **Add to report** feature is available on the **Options** list for items saved in folders allowing you to copy saved items to a report. Note that individual documents, but not folders, can be saved to a report.

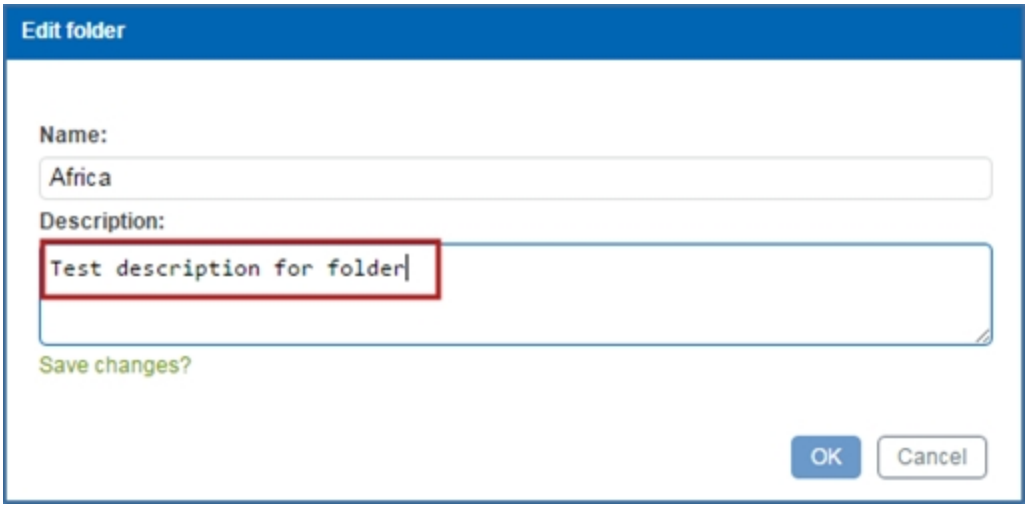


For more information about building a report, see Report Builder.

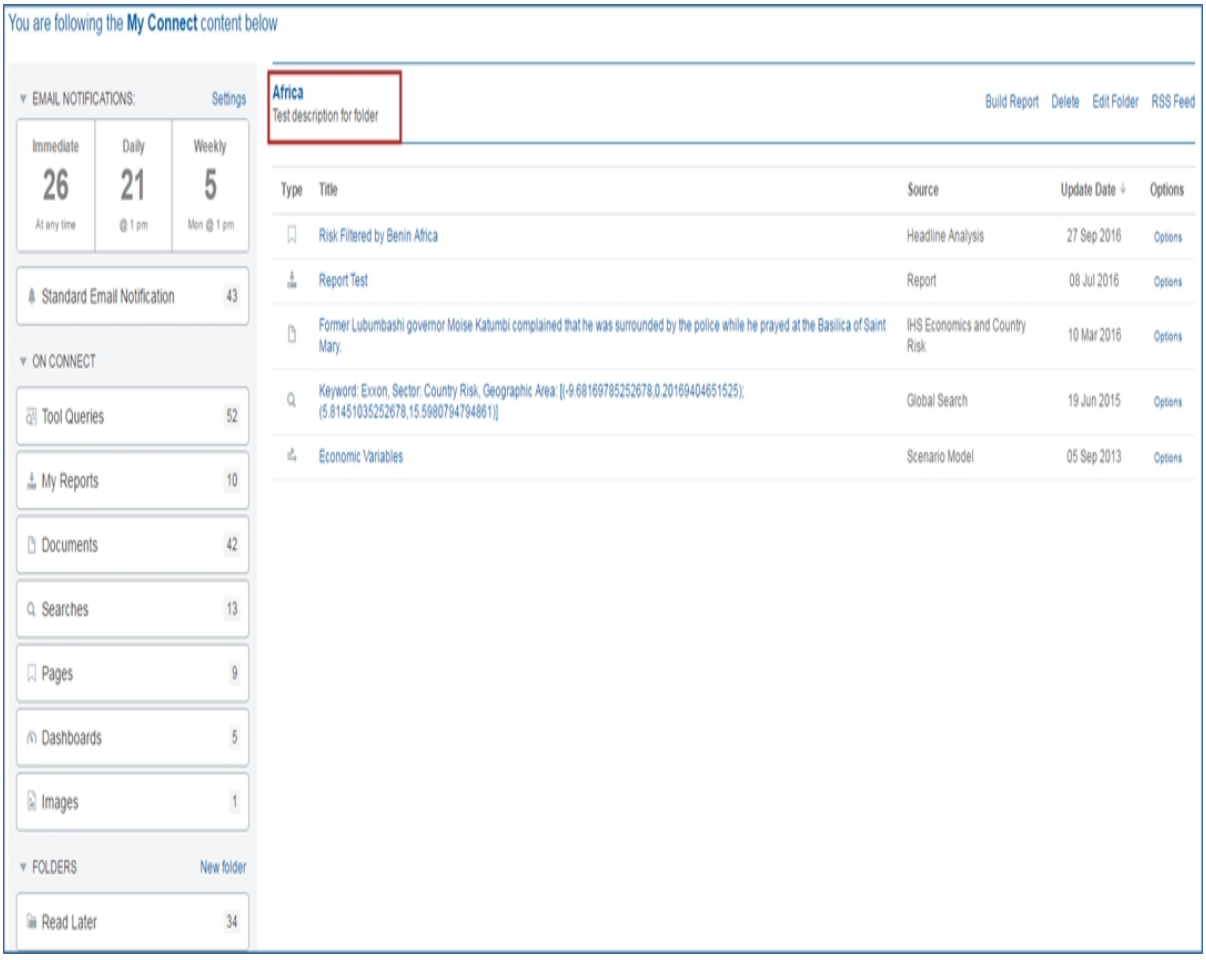
Selecting **Delete** opens a ***Confirm*** dialog box asking if you want to continue with the deletion of the folder and all its contents.



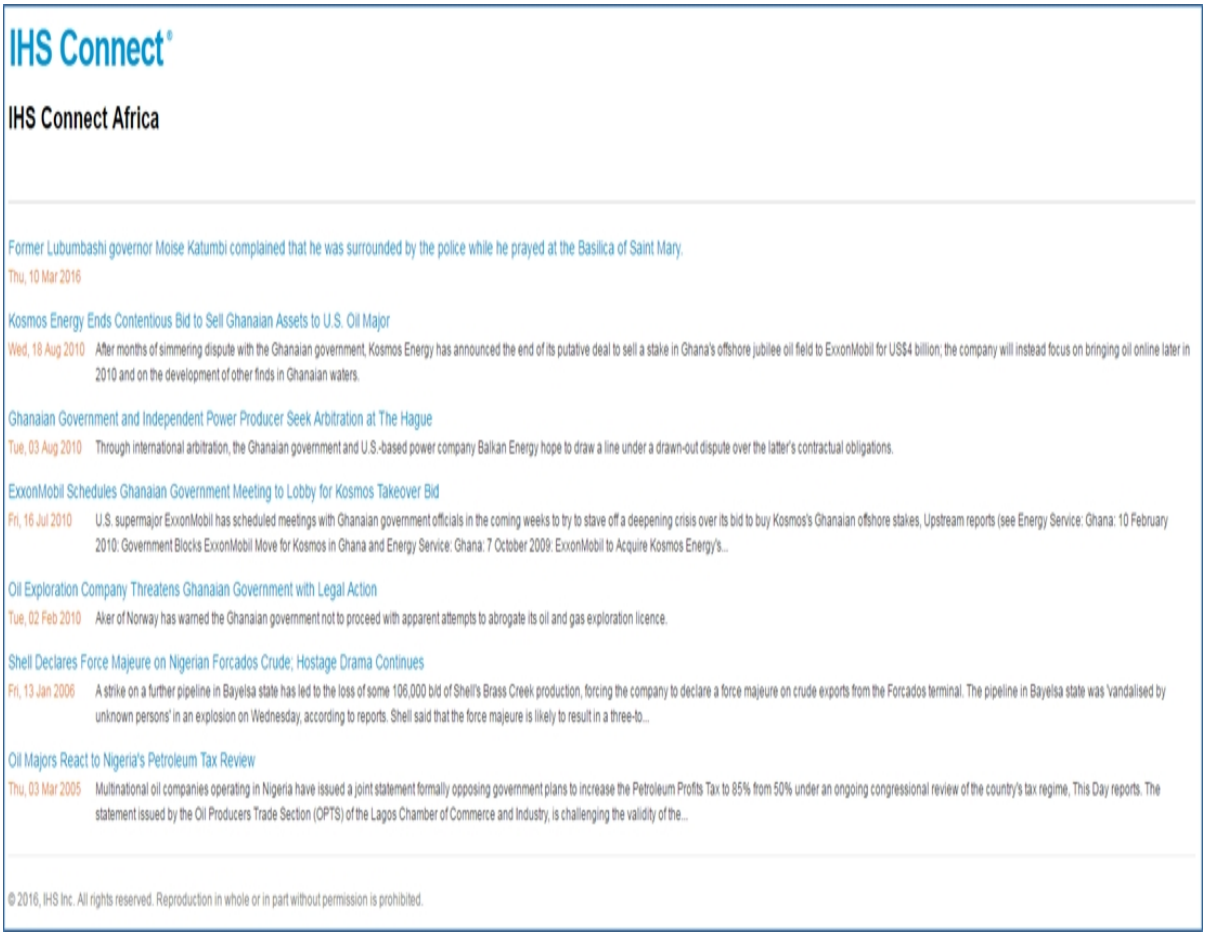
Selecting **Edit Folder** opens the ***Edit folder*** dialog box where you can enter a description for the folder.



Click **OK**. The description now appears under the folder title.



The RSS Feed link opens the folder content in RSS Feed format.



Breadcrumbs navigation

When you open a saved object (for example, a document), the name of the project folder is displayed in the upper left corner. The lettering is blue, indicating a link, and two arrows point to the left. Click to go back to the project folder to see all of the contents.

Update of saved content

When IHS Markit updates data series, the series you saved to a series folder or to a chart stored on My Connect are updated as well. Therefore, your series folders and saved charts always have the latest version of IHS Markit data series.

When IHS Markit updates a Country Intelligence country report or a World Markets Energy country profile, this is reflected on My Connect. Therefore, what you save to My Connect is always the latest available version.

When IHS Markit updates an Energy: CERA country profile, this is NOT reflected in My Connect. Therefore, the Energy: CERA country profiles you saved will not be updated.

Saved content and your subscription

When your subscription to a given service comes to an end and is not renewed, you will no longer have access to all the items from that service that are stored on My Connect.

Automatic saving

Any change you make to a scenario, series, query, or chart on My Connect is saved automatically. Therefore, a saved button does not appear for those items since they are automatically saved. The next time you open the folder for a scenario, series, query, or chart, your latest modifications are displayed.

Note: Regarding saved queries, when you open a saved query and make a modification to the filter selections (for example, change the selected concepts or the selected geographies), this change will be recorded ONLY if you click **View Series**. Similarly, when you open a saved transaction analysis or global projects search and **Refine Criteria**, this change will be recorded ONLY if you click **Update Search**.

Additional Features

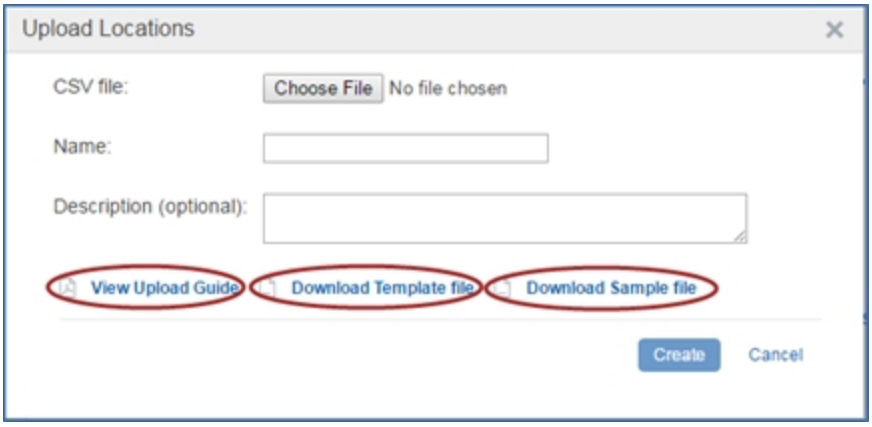
Additional Features include My Locations, My Regions, and My Series Upload.

My Locations

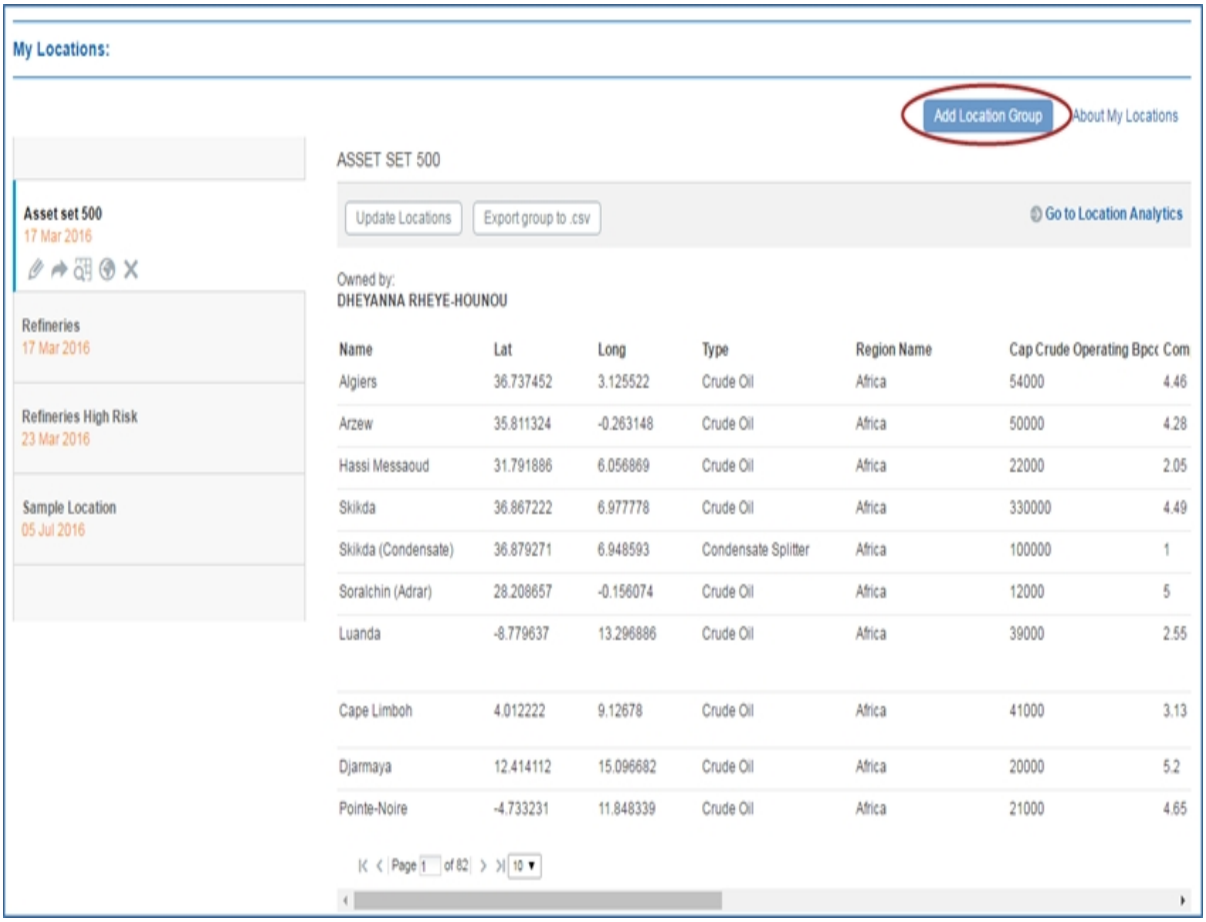
The My Locations feature in My Connect allows you to upload attributes about geological locations you want saved in Connect. You can then filter by location(s) to view an editable attribute table, share a location with a colleague, navigate to a map with location risks flagged and details displayed about ratings for civil unrest, terrorism, war, and intelligence events, or navigate to the Location Analytics tool. Within the Location Analytics tool, you can chart and manipulate data that can be saved and / or exported. The Location Analytics tool provides modules for Risk Exposure, Location Risk By Country, and Data Viewer. This allows you to view and manipulate data for a single location group or compare two location groups. You can review individual risks for civil unrest, terrorism, war, or a combination of these risks.

Once your location(s) are saved, they become available on the Search page under the Country Risk Sector, which allows you to filter search results by locations.

You also can upload location files on the Search page. My Connect / My Locations and Search allow you to upload up to four location files—also referred to as "location groups," each with a maximum of 10,000 locations and including up to 12 attributes for each location group. When you click the **Gear** icon under Geography with Country Risk and My Locations selected, The ***Upload Locations*** dialog box is displayed and contains links to **View Upload Guide**, **Download Template file**, and **Download Sample file**.



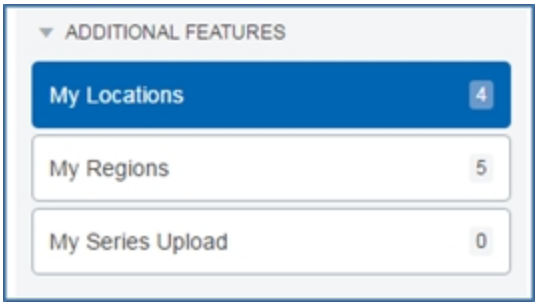
The ***Upload Locations*** dialog box is also available from My Locations on My Connect when you select **Add Location Group**.



Data is secure, uploaded through HTTPS mode and encrypted.

Accessing My Locations through My Connect

From the My Connect content page, select My Locations from the Additional Features category in the left pane.



My Connect opens with My Locations displayed. The names of your location files—up to four—are listed in the left pane. In the example below, we'll be using "Sample Location." This is a group location name that contains eight locations and their attributes—Name, Lat, Long, Type, Year, Capacity, Opened, Operator, War, Terrorism, Civil Unrest, Combined. The creation date appears under the name "Sample Location." The

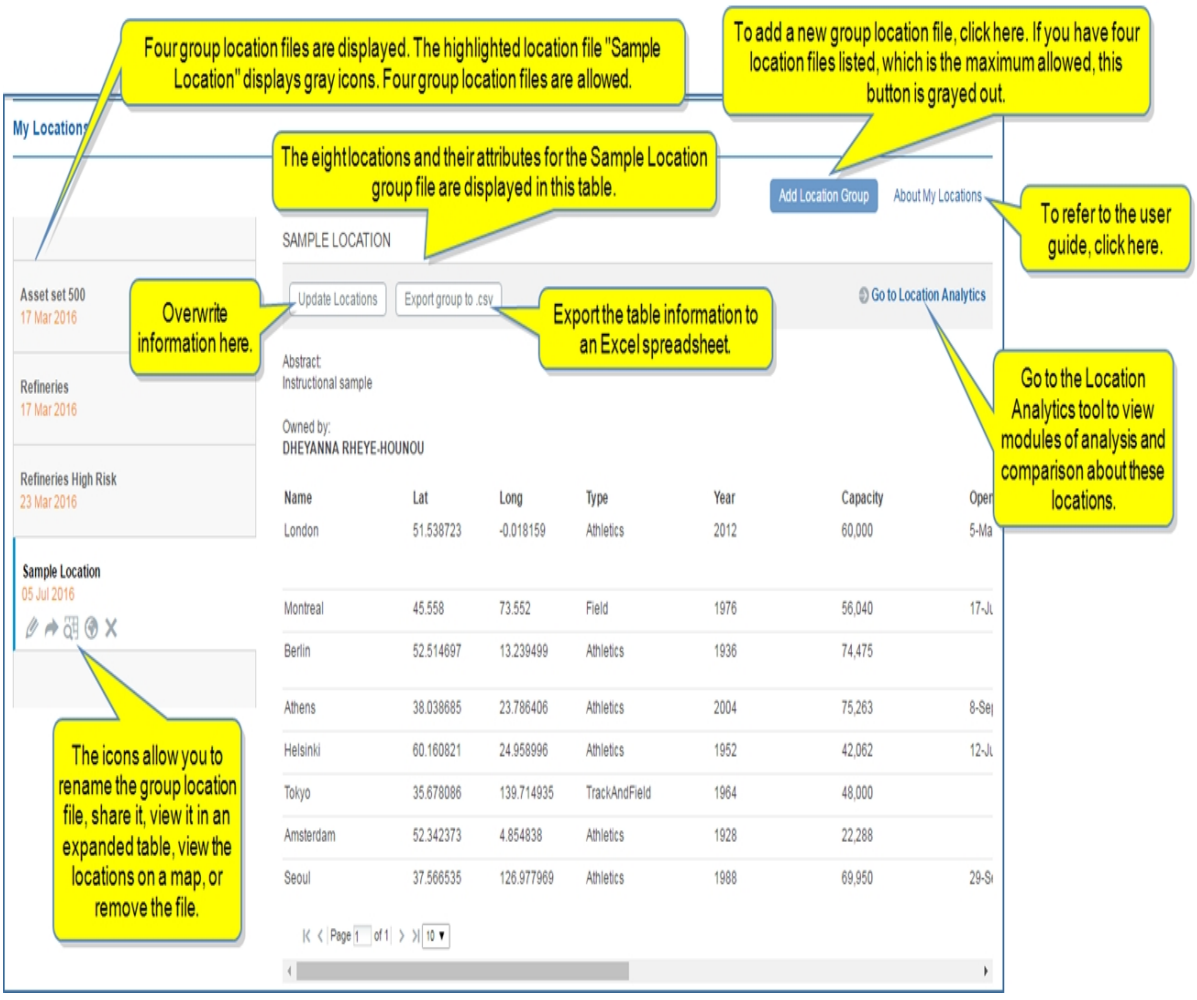
selected file also displays icons under the date with options to change the location group name, share the location group, view an expanded table, view the locations on a map, or remove the location group.

Note: You can update by overwriting the selected location file. Select **Update Location** and review the caution: "Caution: Uploading a new file will overwrite the location data in this Location group."

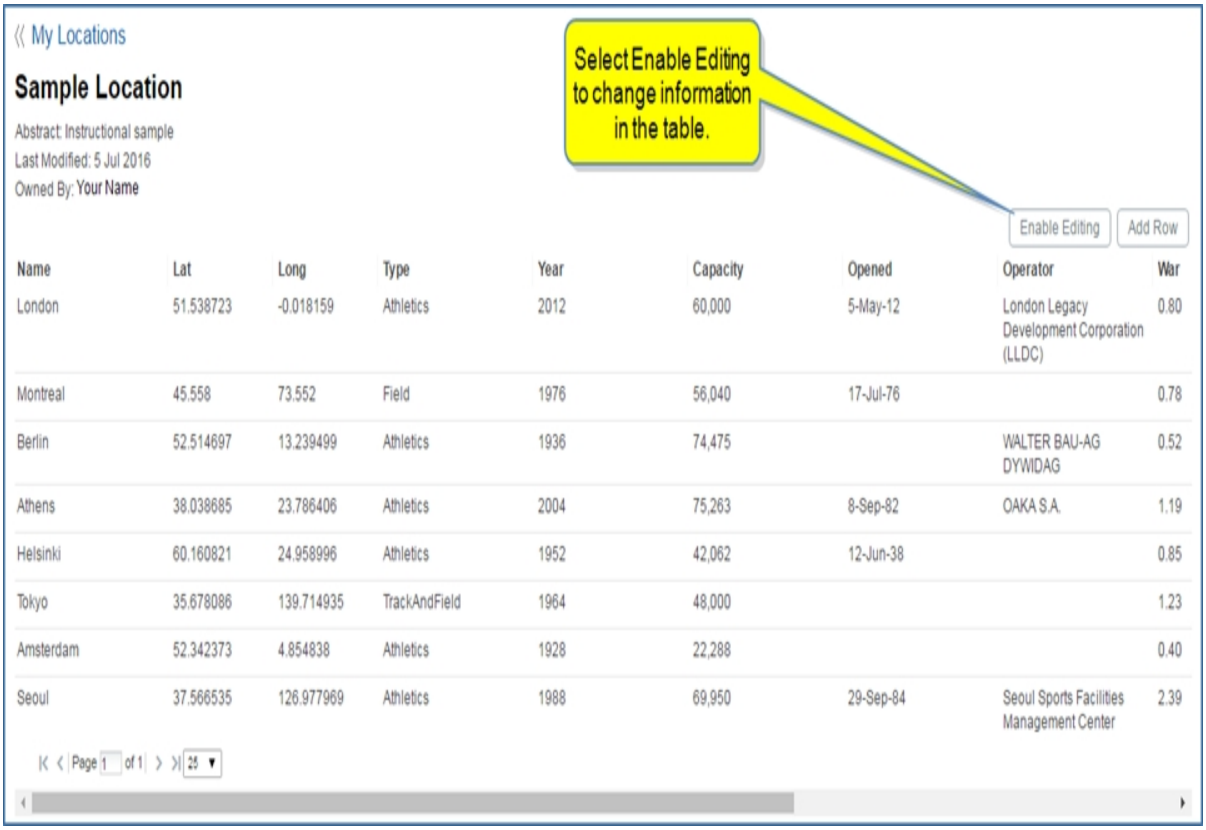
You can export the information in the table to an Excel spreadsheet .csv file, and you can move to the Location Analytics tool by selecting the Go to Location Analytics link. (You must be a subscriber to Location Analytics to use the tool.)

The functionality to upload a new location group is available when you select **Add Location Group**.

About My Locations takes you to the My Locations help guide.



When you select the expanded table icon , you are able to edit the table or add a location. Select **Enable Editing**.



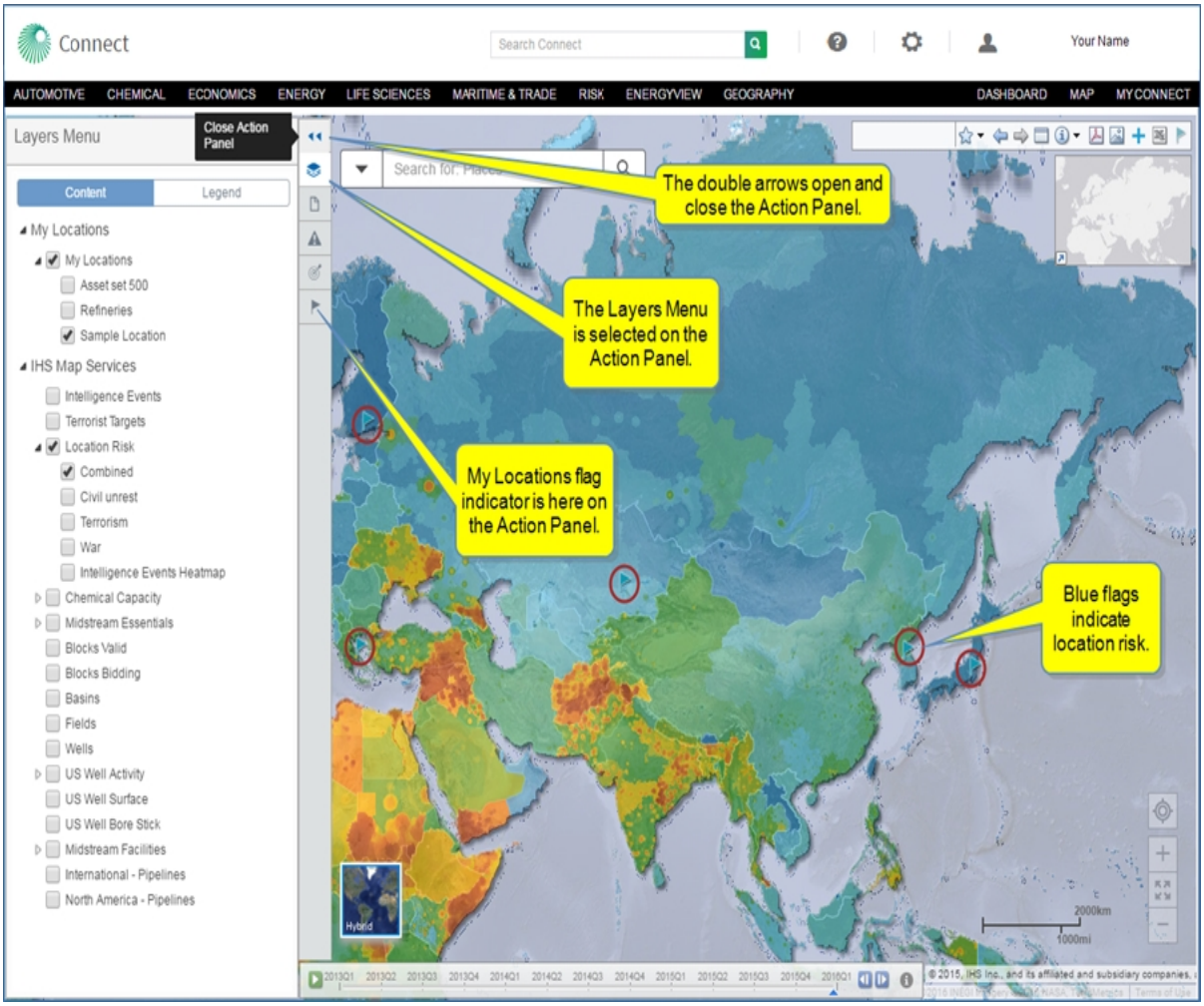
Edit buttons are displayed for each row. When you select an **Edit** button, the fields available for editing in the row appear as rectangles, and **Save** and **Cancel** buttons are available. When editing is complete, select **Disable Editing** to return to a static table.

When you select **Add Location**, a new row becomes available. You can enter the attributes for the new location and **Save**. A **Cancel** button is also available to delete the row.

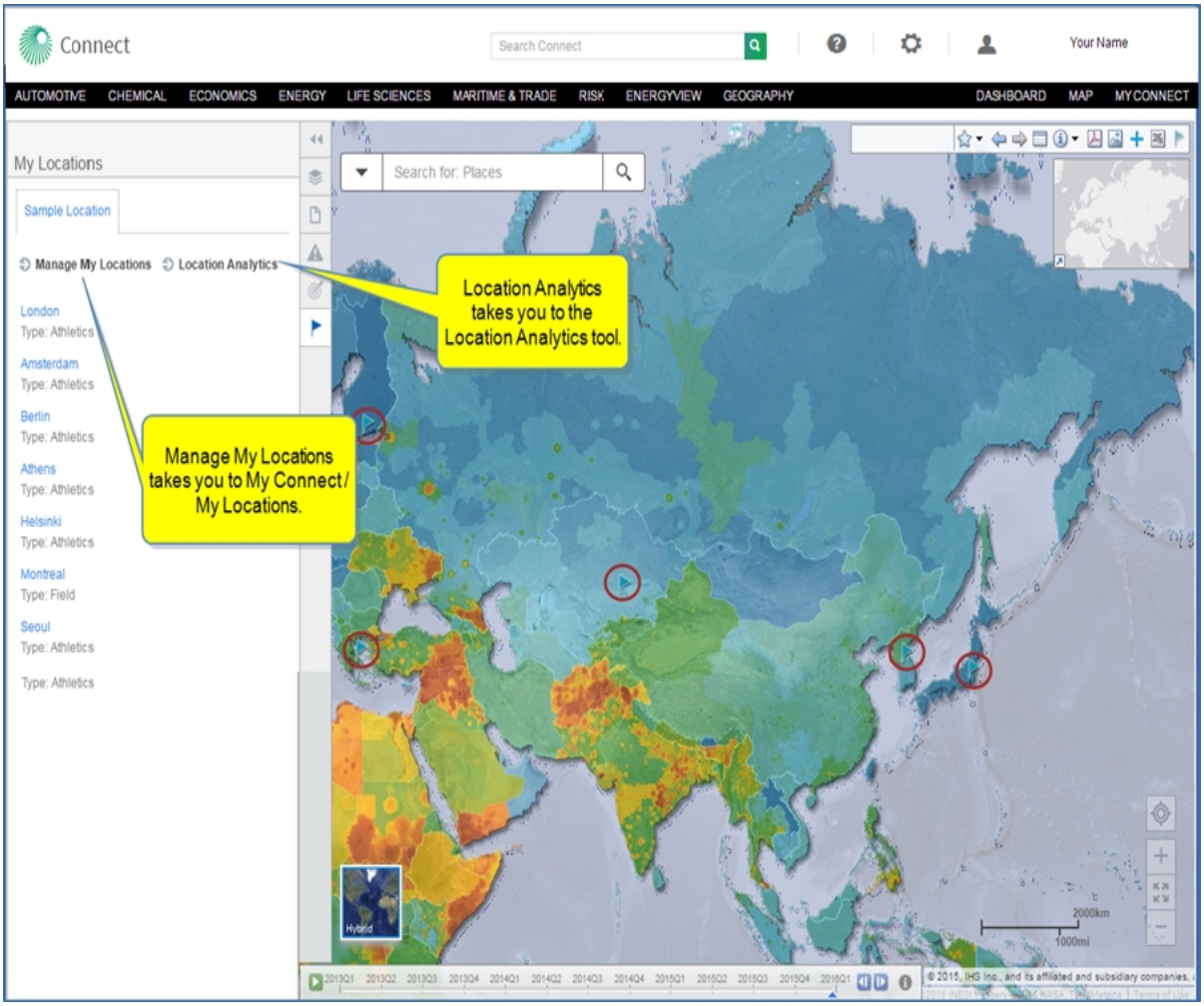
Once you have a location uploaded into Connect, you can view location risks on the Map that correspond with the geographic locations listed in your file. Menus for Layers, Research and Analysis, Intelligence Events, Terrorist Targets, and My Locations are displayed to the left of the Map in the Open Action Panel. Selecting **My Locations** > **Sample Location**, in this example, and **Location Risk** > **Combined**—Combined includes Civil unrest, Terrorism, War, and Intelligence Events Heatmap.

The Map below shows the Close Action Panel open with the Layers Menu selected. Three locations are listed—Asset set 500, Refineries, and Sample Location. "Sample Location" is selected, and "Location Risk Combined" is selected. Red circles on the Map identify blue flags that represent location risk information for the locations included in "Sample Location."

Note: The flags are different colors when you select more than one location so that you can distinguish on the map which location has a risk marked by a flag.

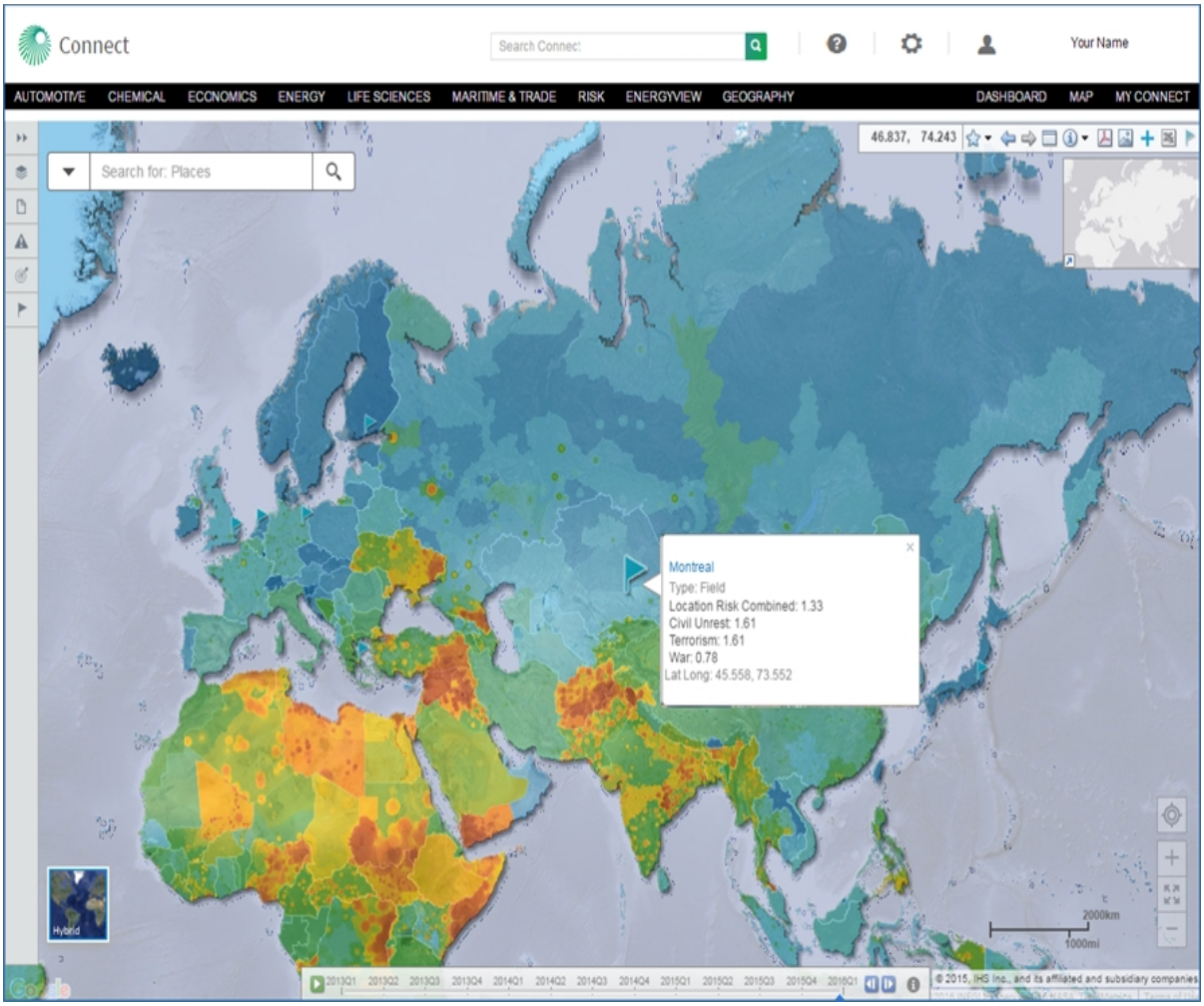


Before we look closer at the indicator flags on the map, let's open **My Locations** from the Action Panel. Here we can see the contents of "Sample Location"—Montreal, Athens, Helsinki, Seoul, and Tokyo. The blue flags on the Map correspond with these locations. (When you have selected other locations on the Layers Menu, they appear as selectable tabs on the My Locations menu, and all of the flags for these locations are displayed on the map.)

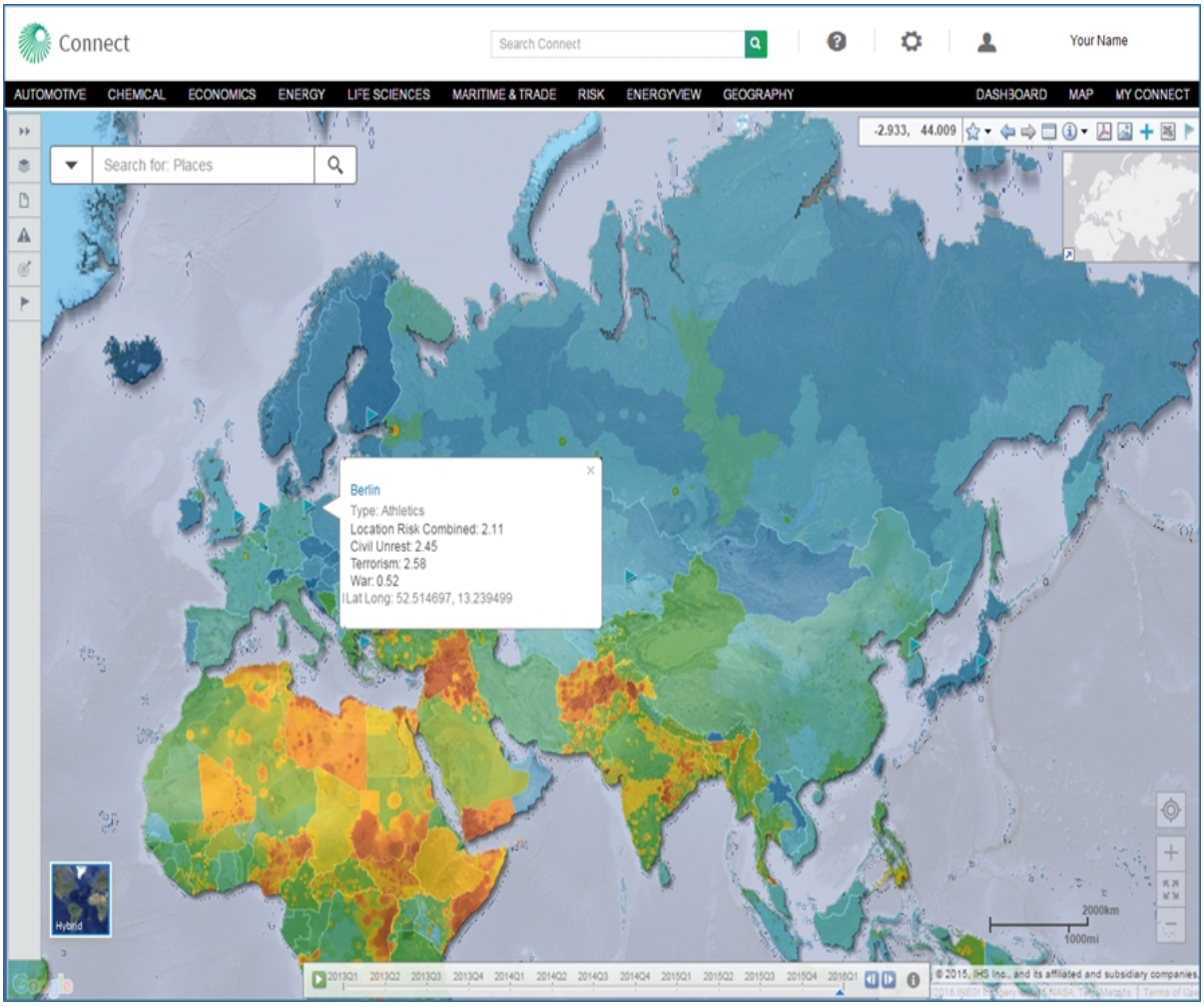


We'll close the Action Panel to see the entire map and click the blue flags, which give risk information about the locations listed in "Sample Location."

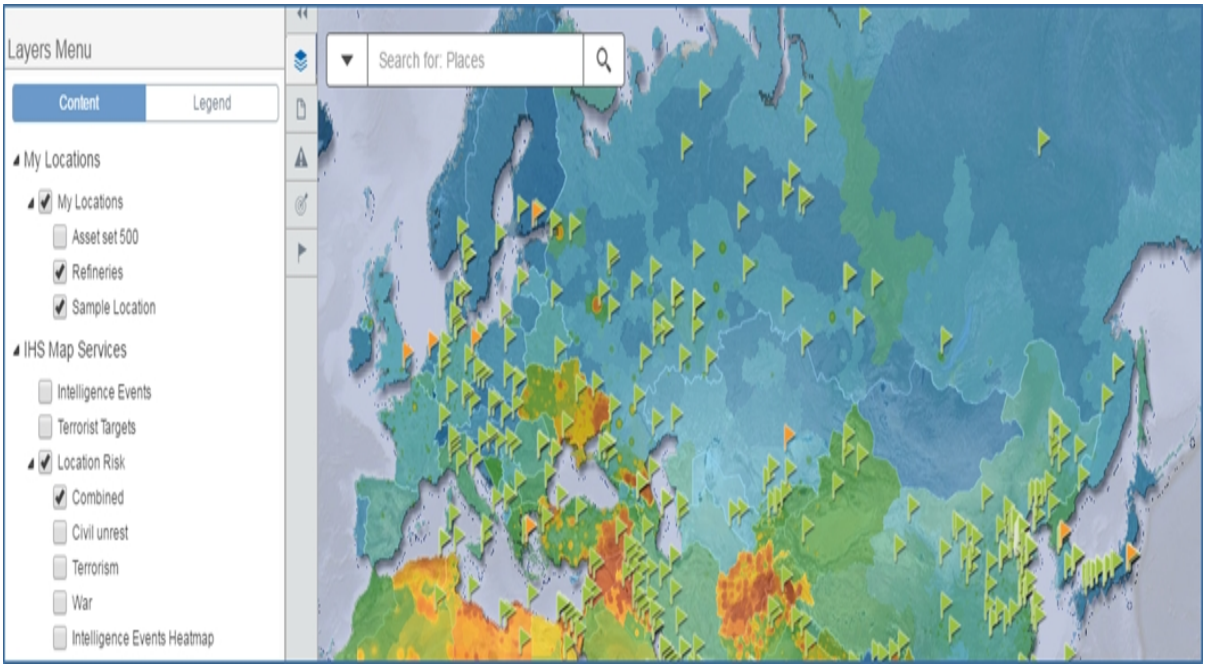
For Montreal, the Location Risk Combined is 1.33. Civil Unrest is 1.61, Terrorism is 1.61, War is 0.78. The Lat Long are also listed: 45.448, 73.552.

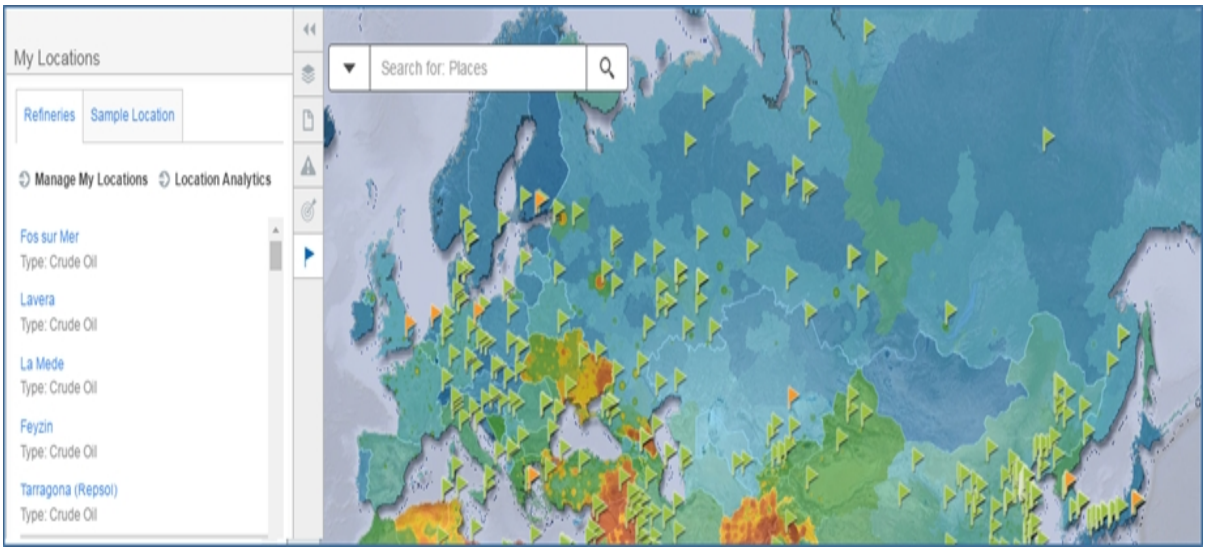


The following example shows the information for Berlin.



The following Layers Menu and My Locations menu show two locations selected—Refineries and Sample Location. The corresponding flag for those locations are green and orange.

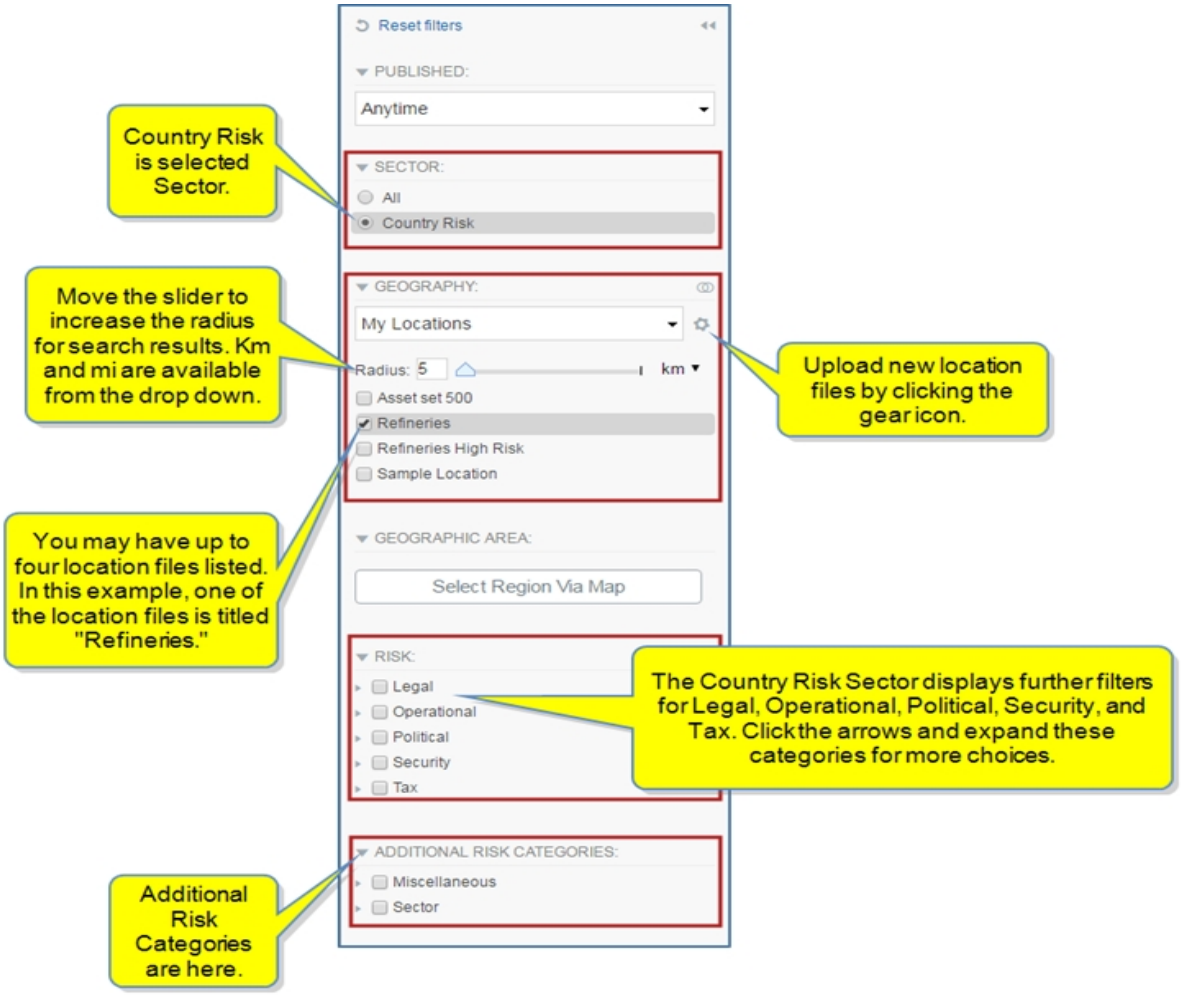




Accessing My Locations through Search

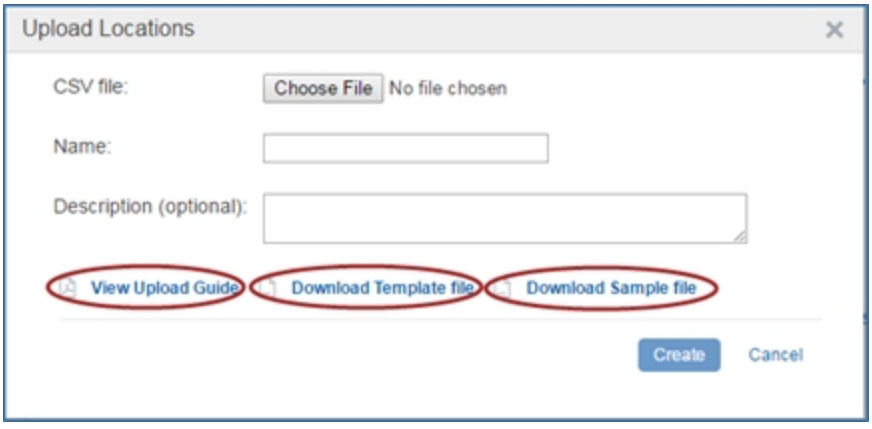
My Locations is available as a filter in the left panel of the Search page when you select the Country Risk Sector. Under Geography, you can filter with **IHS Regions**, **My Regions**, or **My Locations** from the drop-down list when you click the down arrow.

The ***Upload Locations*** dialog opens when you select the gear icon next to **My Locations**.

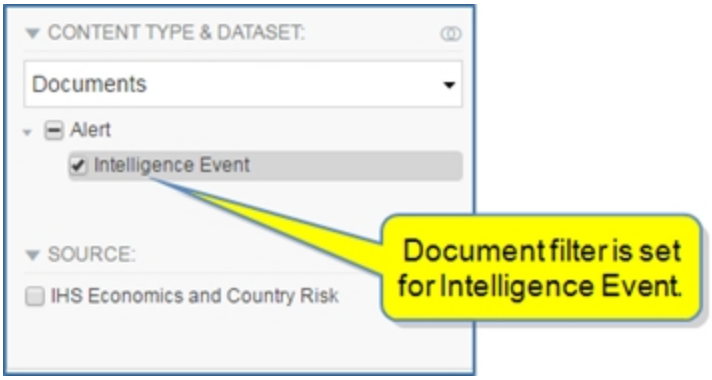


After selecting a location file, you can set the radius (km or miles) you want included as the margin around your location. The corresponding documents are displayed in the center of the page.

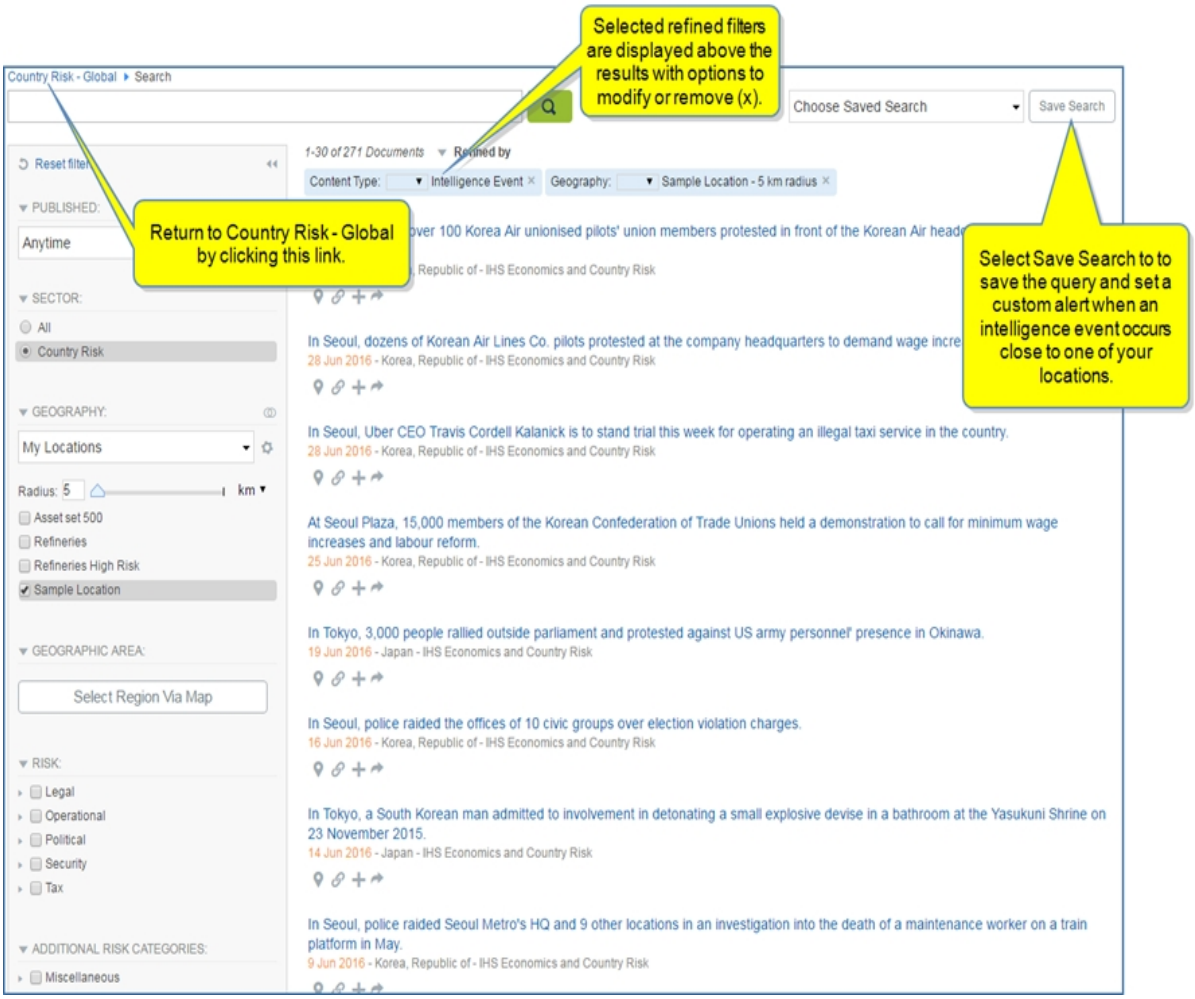
When you select the Gear icon , the ***Upload Locations*** dialog box is displayed with links to **View Upload Guide**, **Download Template file**, and **Download Sample file**.



The Content Type & Dataset is filtered for Intelligence Event.



In the following example, we have come from a Country Risk - Global page to Search by selecting the search icon in the Search IHS Connect field. Therefore, the Search page is filtered for the Country Risk Sector. The locations included with Sample Location are London, Montreal, Berlin, Athens, Heisinki, Tokyo, Amsterdam, and Seoul. (Refer to Sample Location in the table format on My Connect / My Locations to view the names and other attributes of each location in the Sample Location file.) Note the search results list documents about these locations.

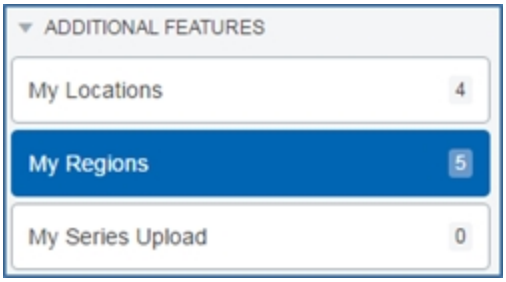


My Regions

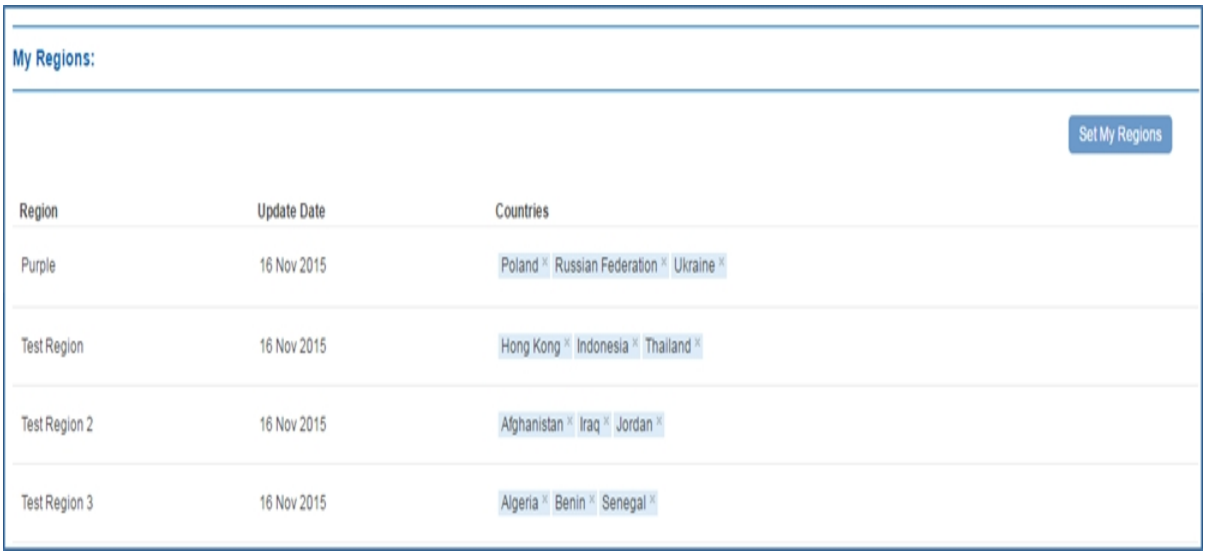
Content throughout IHS Connect is organized into the regions of Africa, Americas, Asia, Europe, and Oceania with each region including countries that you can research at the region and country level. When you are investigating country risk or other interests, you may want to create a region that includes countries you prefer to view in a region. The My Regions feature in IHS Connect allows you to create and name your own regions.

To create or edit your own region on My Connect

1. Select **Regions** from the My Connect drop down menu.

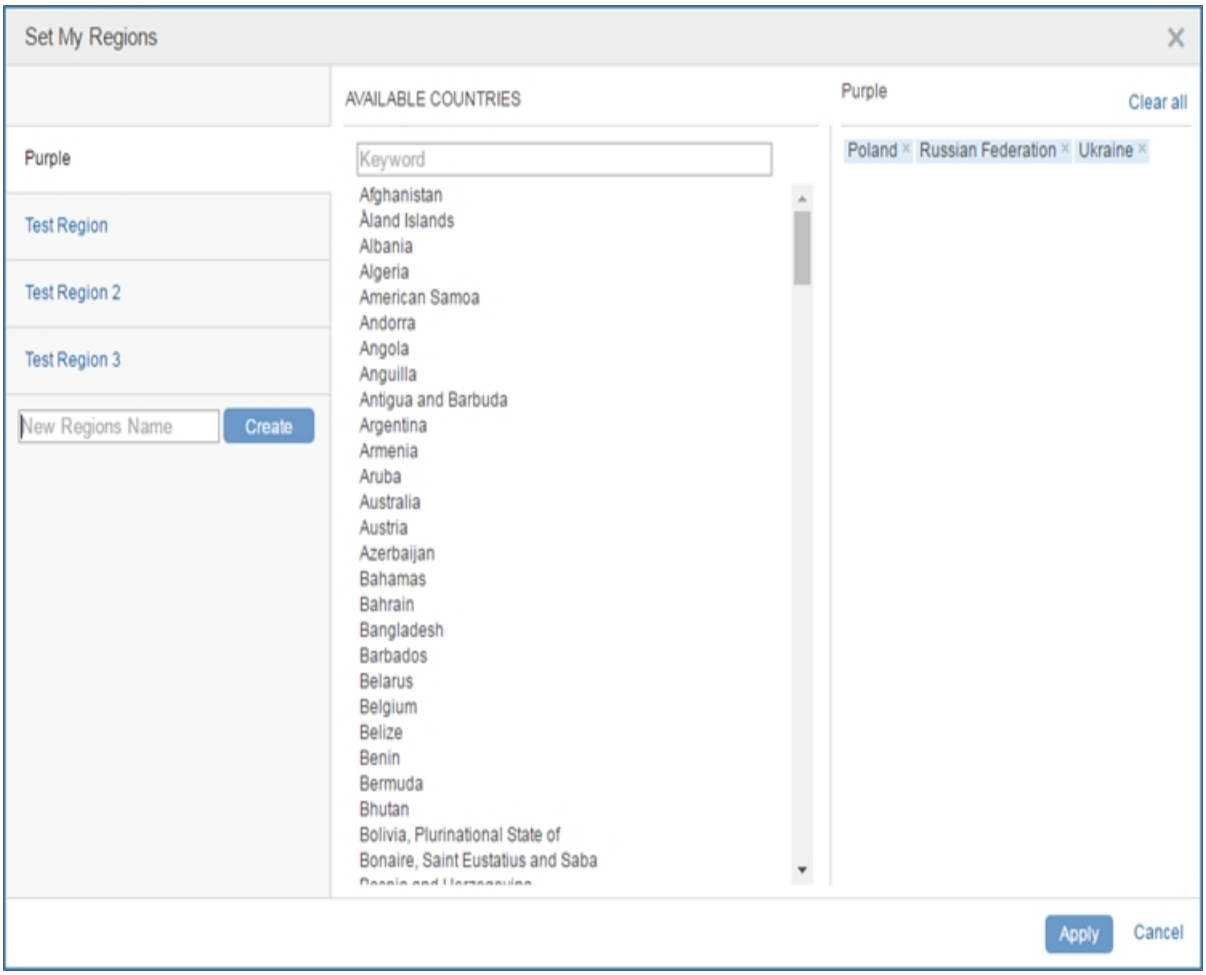


My Regions you previously created are displayed. You can delete any of the countries listed by clicking the x.



2. Choose Set My Regions.

The ***Set My Regions*** dialog box is displayed. In the following example, there are four customized regions. After you select a customized region on the list, you can delete any of the countries listed in the right pane by clicking the **x**, or you can remove all counties by clicking **Clear all**.

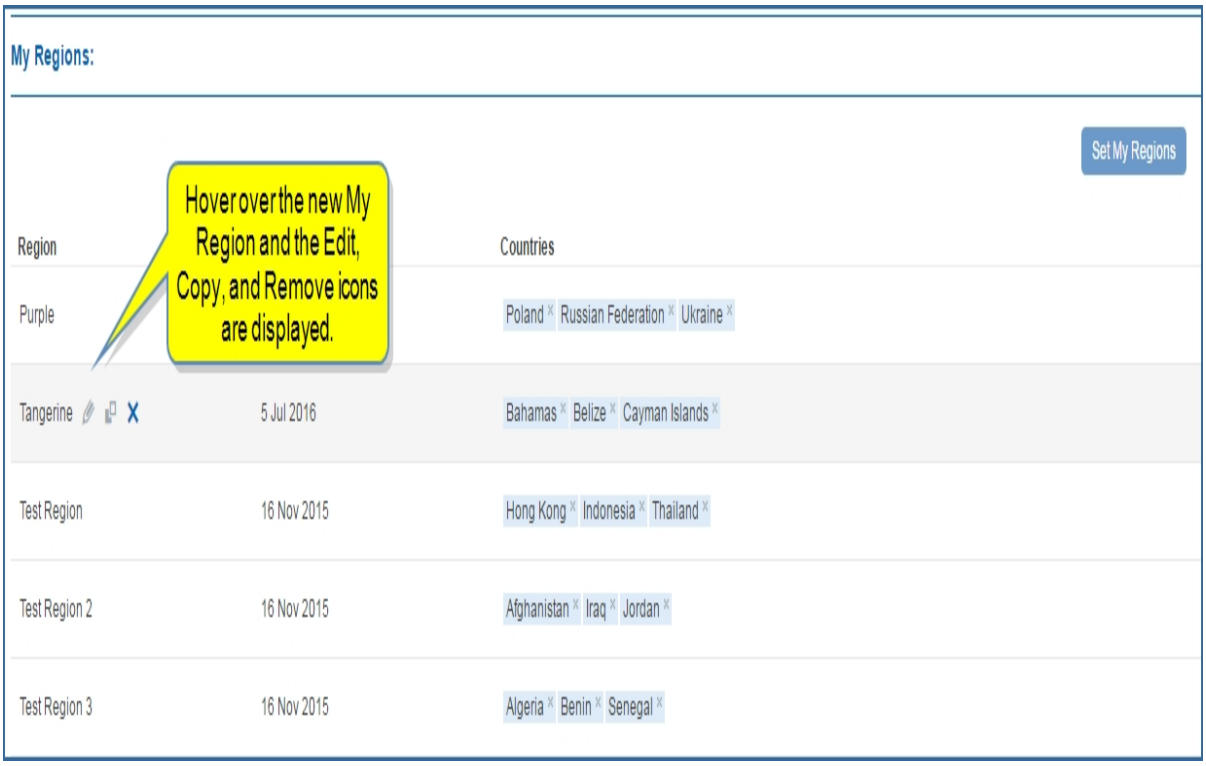


3. To create a new region, enter the name in the **New Regions Name** field, and then click **Create**. We'll enter "Tangerine."

4. Use the Keyword field under Available Countries to enter the name of a country or select countries from the list. We'll select "Bahamas," "Belize," and "Cayman Islands."

5. Click **Apply**.

   My Regions now displays the new entry.



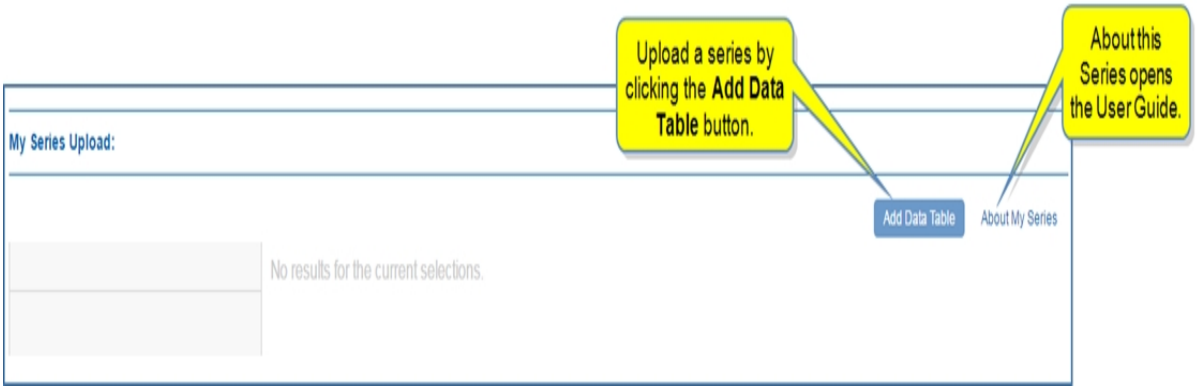
When you hover over **Tangerine**, the **Edit**, **Copy**, and **Remove** icons are displayed. Click **Edit** to open the Set My Regions dialog where you can select new or different countries for the selected region, or you can create a new region. Select **Copy** to add Tangerine1 as a copy of the My Region. Clicking the **X** removes the region.

• • •

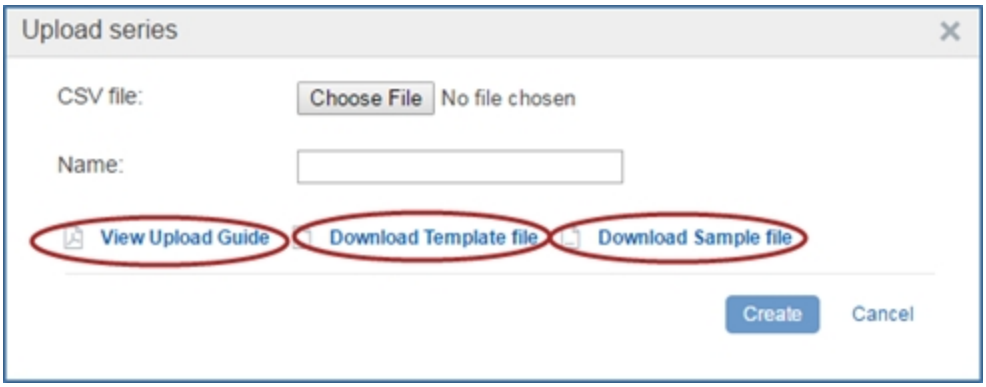
For more information about My Regions, see My Regions.

My Series Upload

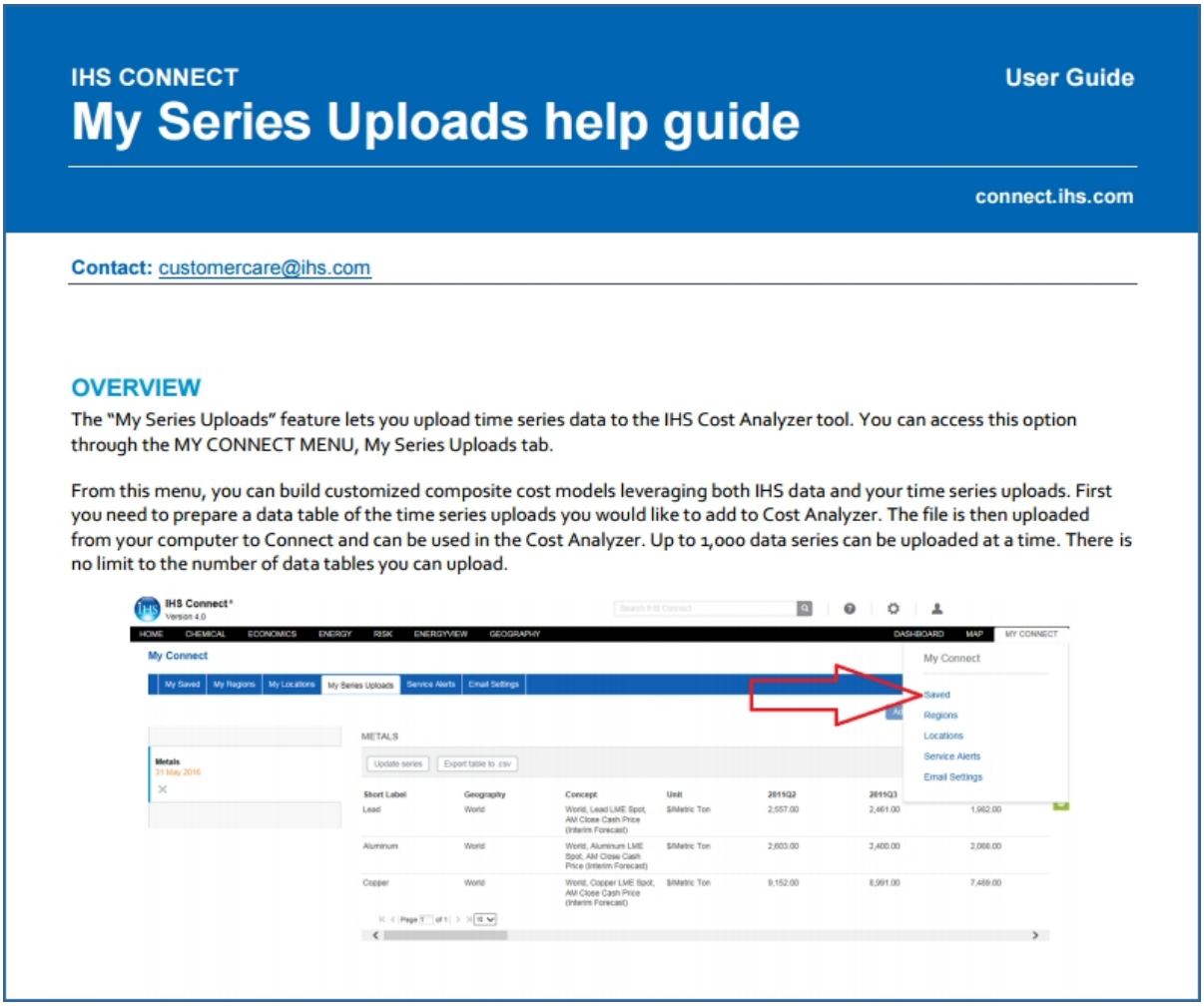
If you are entitled to the Cost Analyzer tool, **My Series Upload** allows you to upload your own custom data table.



The **Add Data Table** button opens the ***Upload series*** dialog box with links to help documentation for **View Upload Guide**, **Download Template file**, and **Download Sample file**.



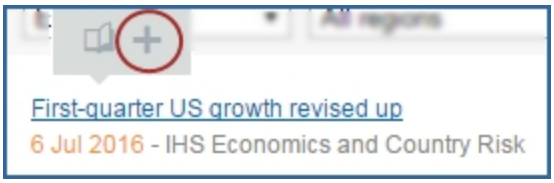
The **About My Series** link opens the IHS Connect My Series Uploads help guide.



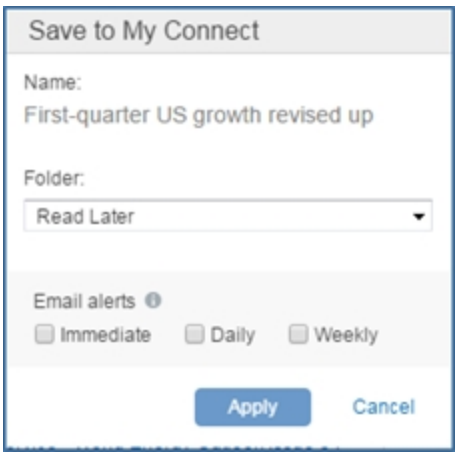
How to save research

My Connect is your personal repository of saved documents, charts, criteria, queries, series, and dashboards. This gives you the advantage of saving research for later review because what you send to My Connect /My Saved stays there until you delete it. As new content dynamically updates throughout Connect, the items you save on My Connect are automatically updated.

To save research articles, hover over the article title and click the **Save to My Connect** icon.

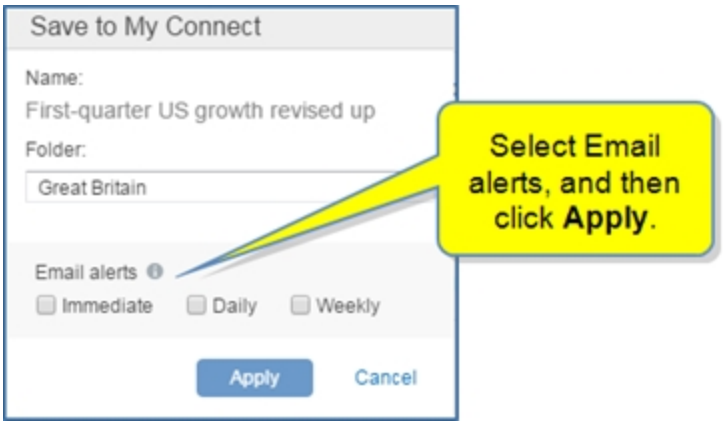


You have the option of saving the article to an existing project or to **Create** a new project. In this case, we'll create a new folder entitled "Economics," and then click the **Create** button.

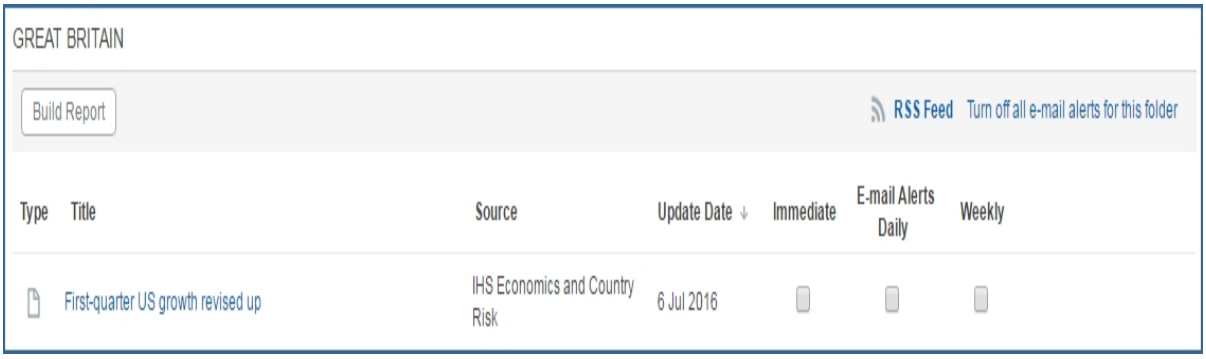


Use the drop-down arrow to select another folder or to create a new folder.

Once the correct folder is selected or created, select Email alerts, and then click **Apply**. (The Email alerts options is displayed for content eligible for service alerts.)



Your document is saved to My Connect in the Great Britain America folder.



Once you have collected research on My Connect, you can keep the information indefinitely for reference and review.

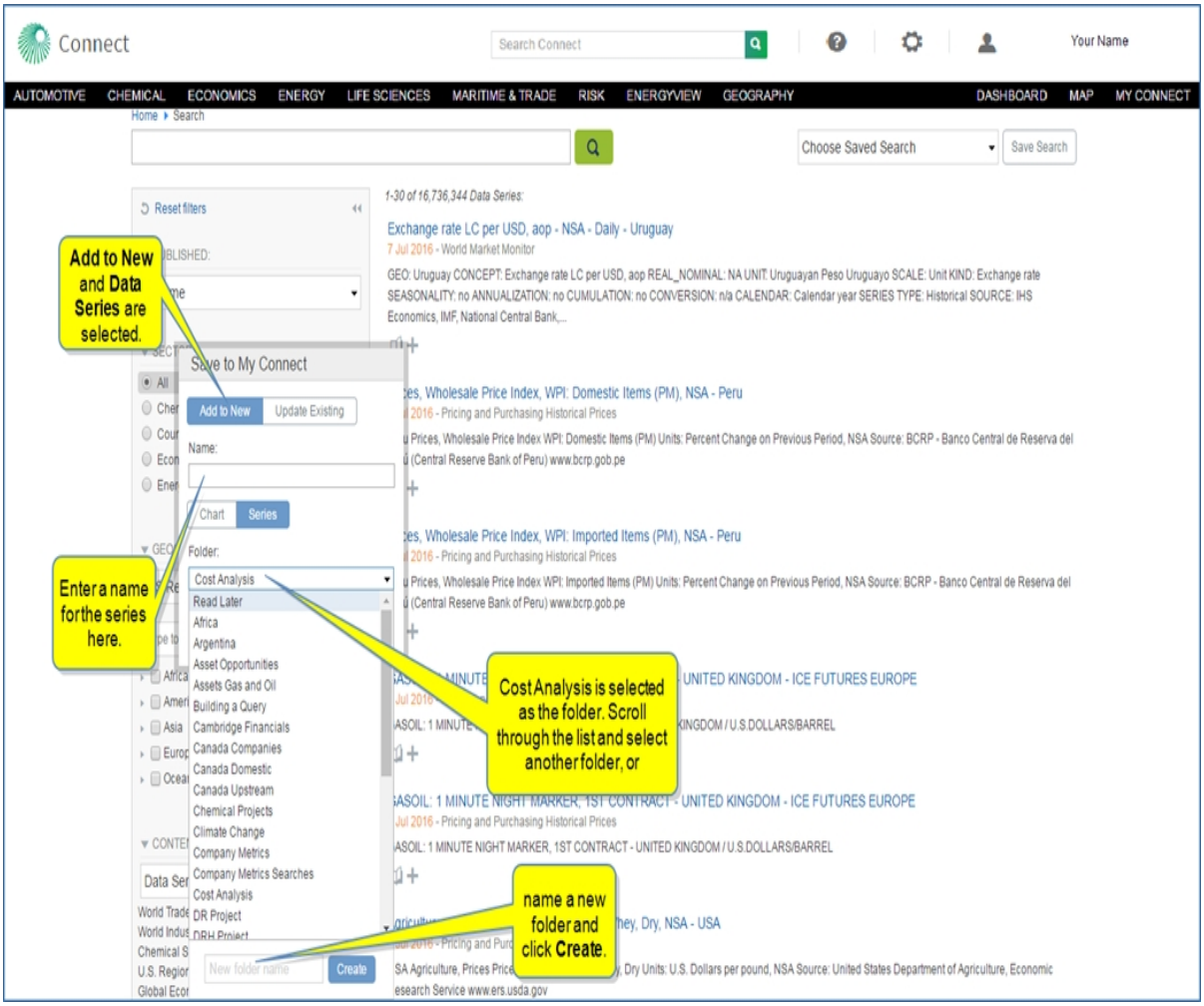
Saving a data series to My Connect

When you save a data series from one of the content pages in Connect or from the Search page, click the **Save to My Connect** icon , and the ***Save to My Connect*** dialog box is displayed. The dialog box gives you the option to add as a new chart or series with a new name, or to add to an existing chart or series.

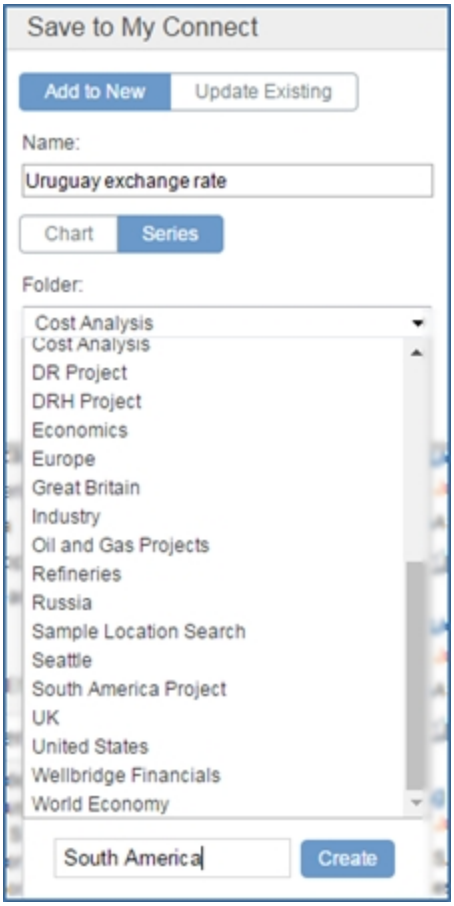
When you add a new chart or series to My Connect, the ***Save to My Connect*** dialog box displays a Name field, the choice of Chart or Series, and a drop-down list of your folders on My Connect. You can scroll through the folders and select the folder where you want to save the new chart or series. You can also create a new project folder in the New project name field below the folders, and then click **Create** to put a new chart or series in a new folder.

Saving a new series

In the following example, we've clicked the **Save to My Connect** icon for a Data Series on the list, and the ***Save to My Connect*** dialog box is displayed.



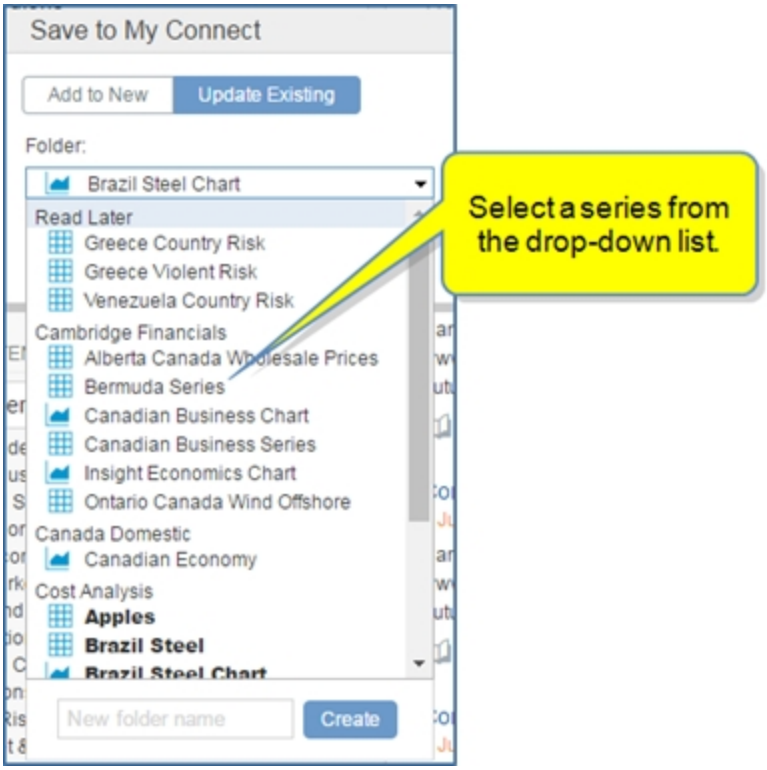
We'll name the series "Uruguay exchange rate" and create a new folder for "South America."



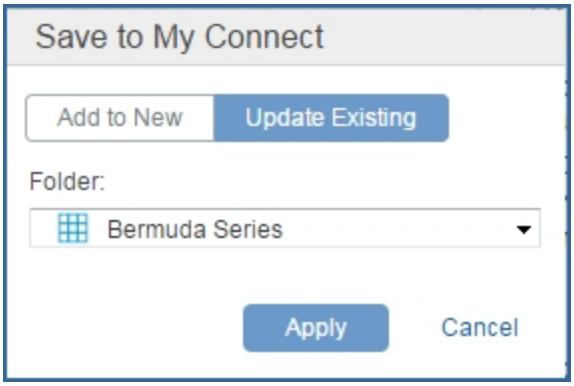
The Uruguay exchange rate series is now in the South America project folder on My Connect.

Adding to an existing series

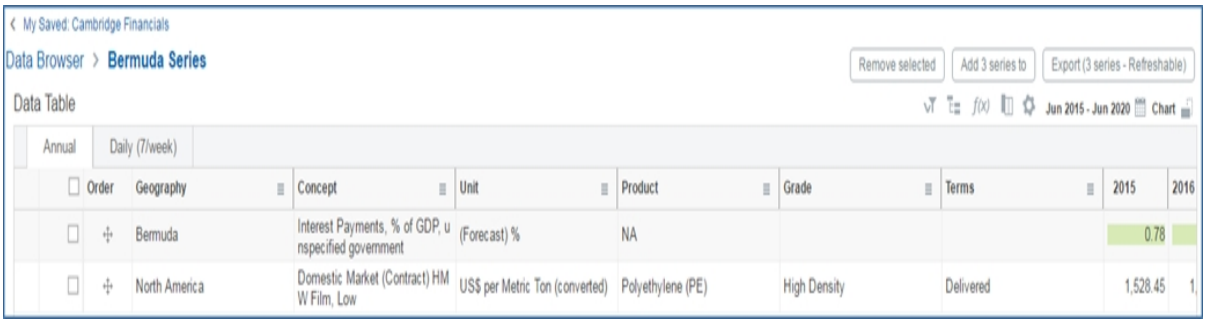
From the Search page, select another data series by clicking the **Save to My Connect** icon, and then choose **Update Existing**. Scroll through the list of folders and data series and select the saved series where you want to add the new series.



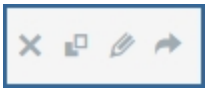
We'll add to the Cambridge: Bermuda Series, and then click **Apply**.



The second series has been added to My Saved: Cambridge Financial >> Series Bermuda Series.

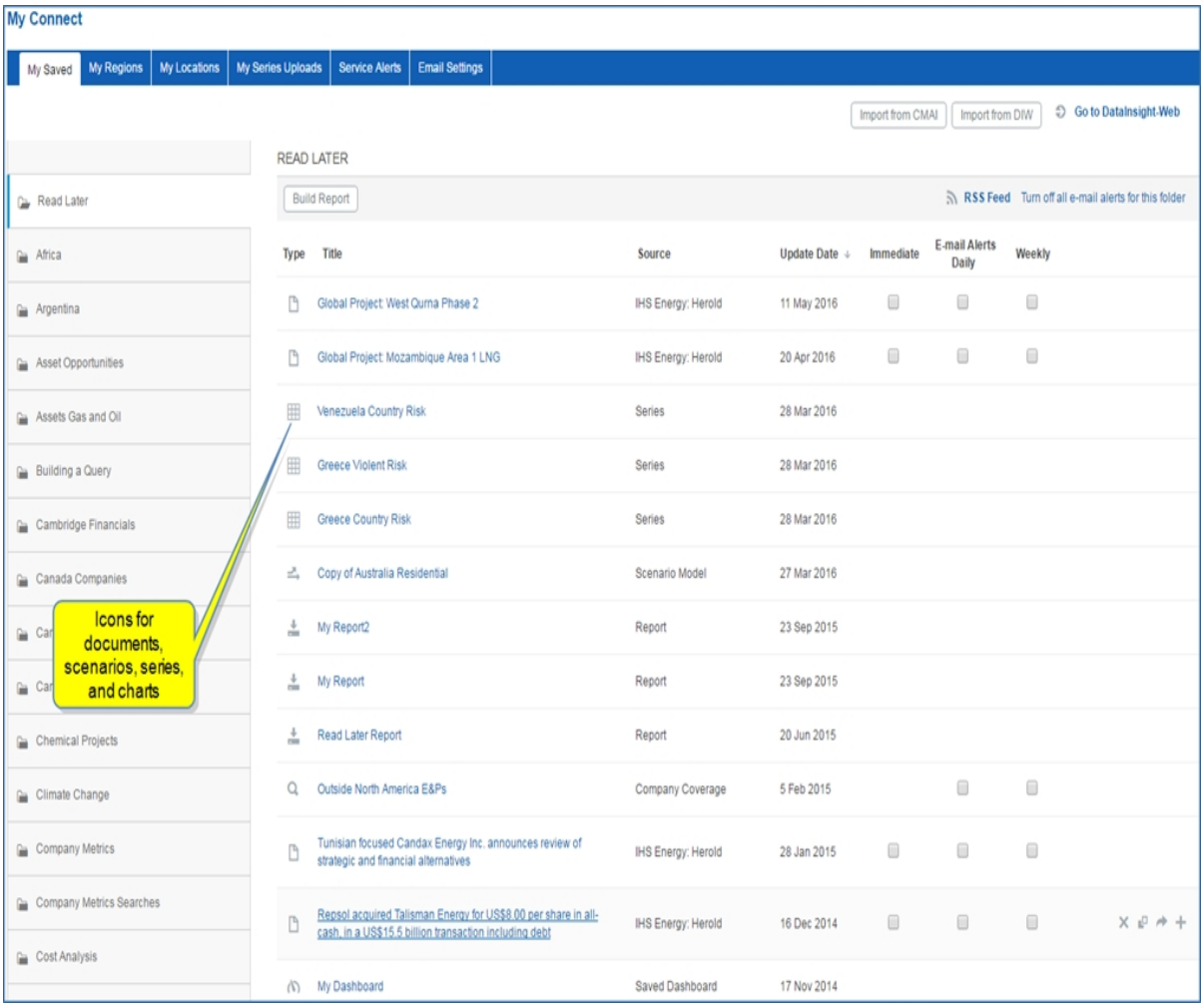


Sharing, renaming, copying, and deleting documents, scenarios, series, queries, dashboards, and criteria

As you work with charts, criteria, queries, and series on the My Connect page, each of these items may have one or more of the following icons available that allow you to **Remove**, **Copy to... Edit Name** or **Share** the item listed. 

When you hover the mouse of the chart, criteria, query, or series, the icons are displayed.

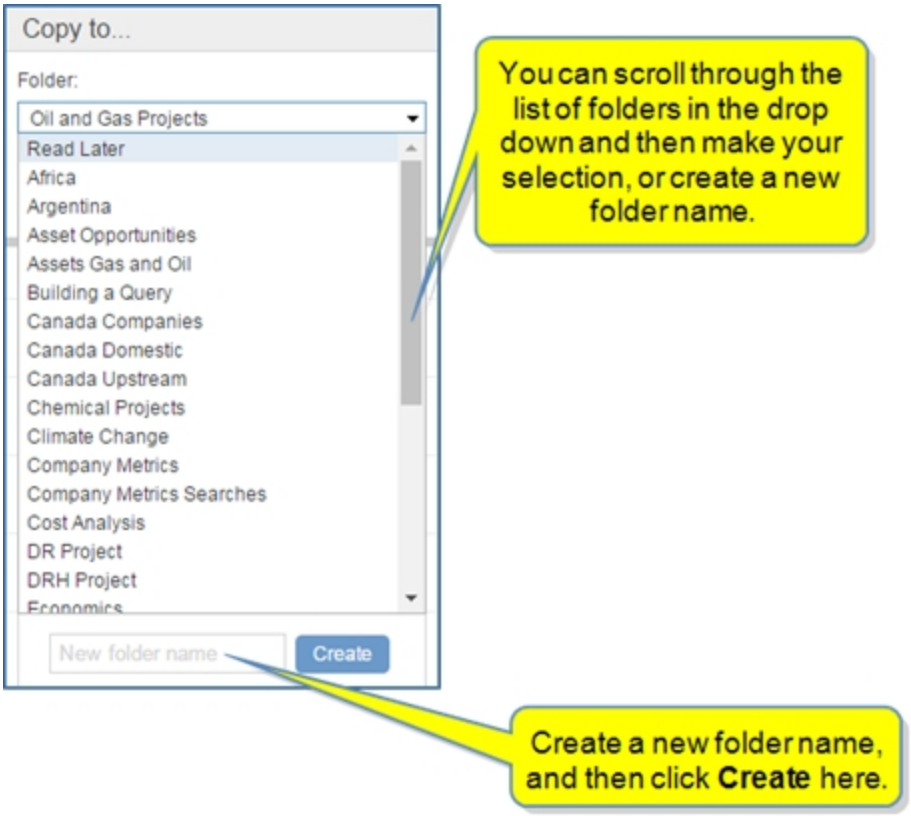
The following graphic shows how Documents, Scenarios, Series, and Charts are listed in these categories on My Connect in the Read Later folder.



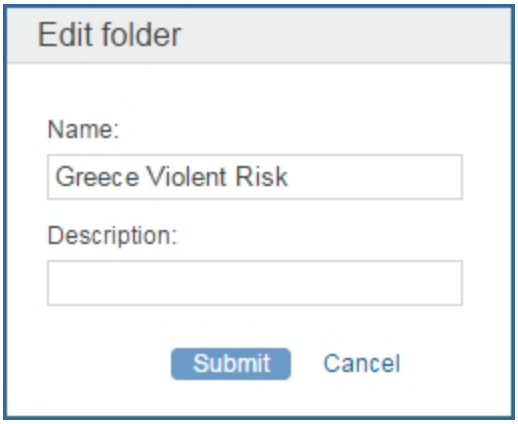
Clicking the **X**, deletes the item.

Clicking the **X** deletes the document, chart, scenario, series, etc., without asking you if you are sure you want to delete it.

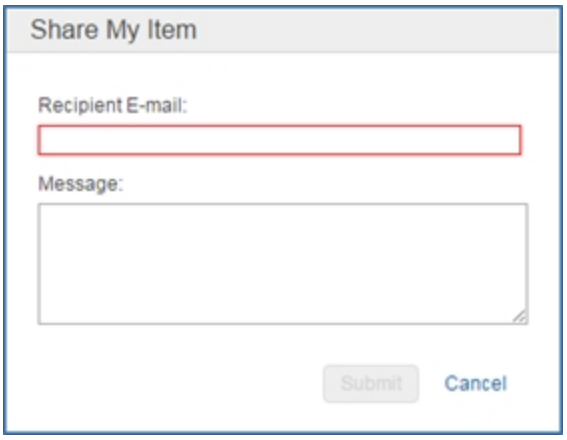
Clicking the **Copy to...** icon opens the **Copy to...** folder list with the option to create a new folder.



Clicking the edit name icon opens the ***Edit folder*** dialog box where you can change the name of document, chart, series, query, and so on. You can also give it a description, and then click **Submit**.

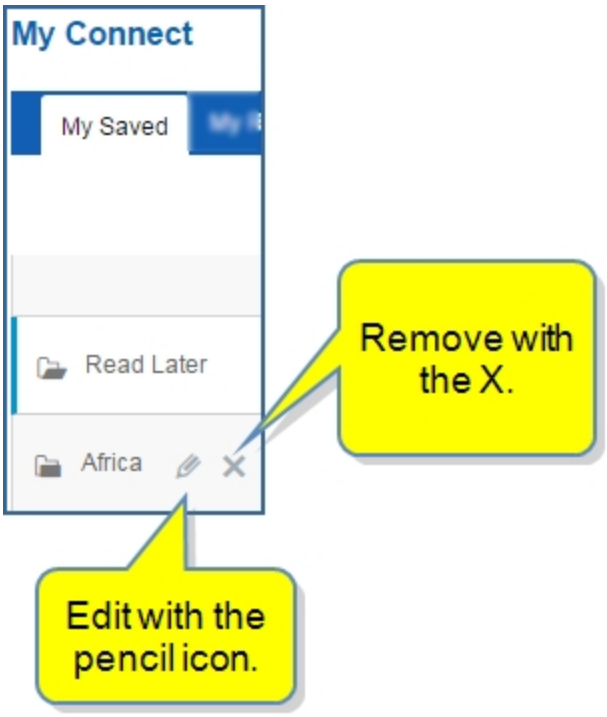


Clicking the share icon opens the ***Share My Item*** dialog. Enter the Recipient E-mail address, compose a message, and then click **Submit**.

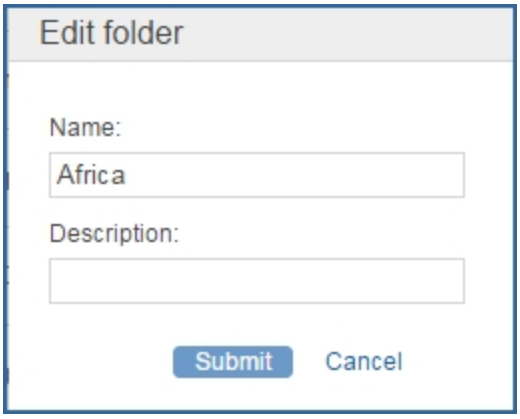


Editing folder names and descriptions or deleting folders

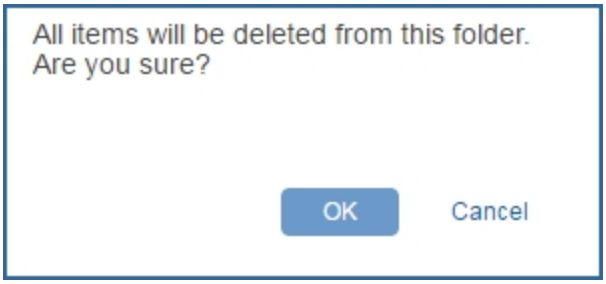
When you hover over a folder on My Connect, two icons are displayed that allow you to rename or change the description of a folder, or delete the folder.



Clicking the pencil icon opens the Edit folder where you can **Submit** a new name or description. If you change your mind in the process, click **Cancel**.



When you click the **X**, a box opens to ask you if you are sure. Click **OK** or **Cancel**.

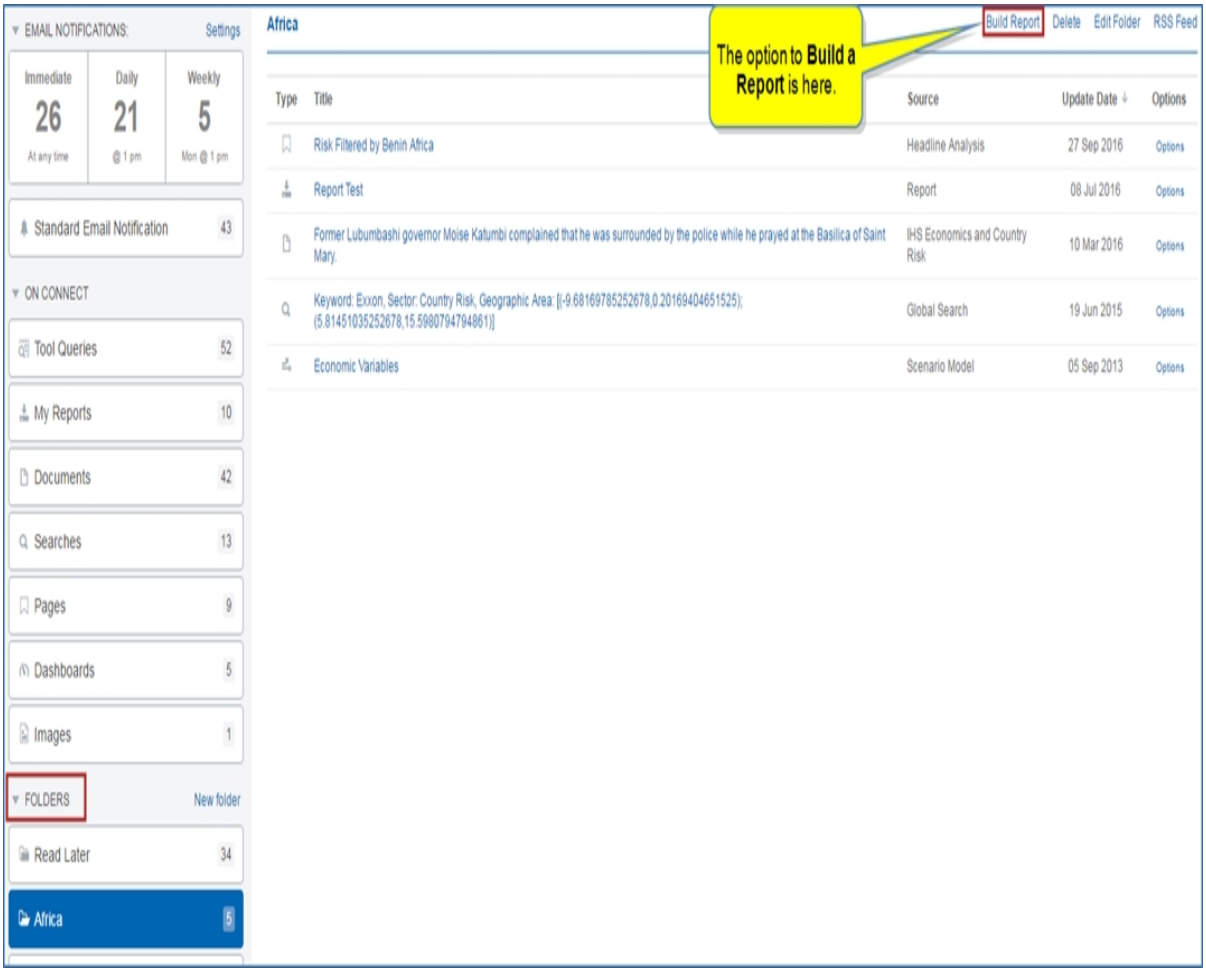


Report Builder

Report Builder is a custom tool available on My Connect. The **Build Report** link is displayed in folders. As you add content to a project folder, you may want to generate a PDF that contains all of the HTML content in one PDF. You can save the PDF to a folder of your choosing or export as a PDF.

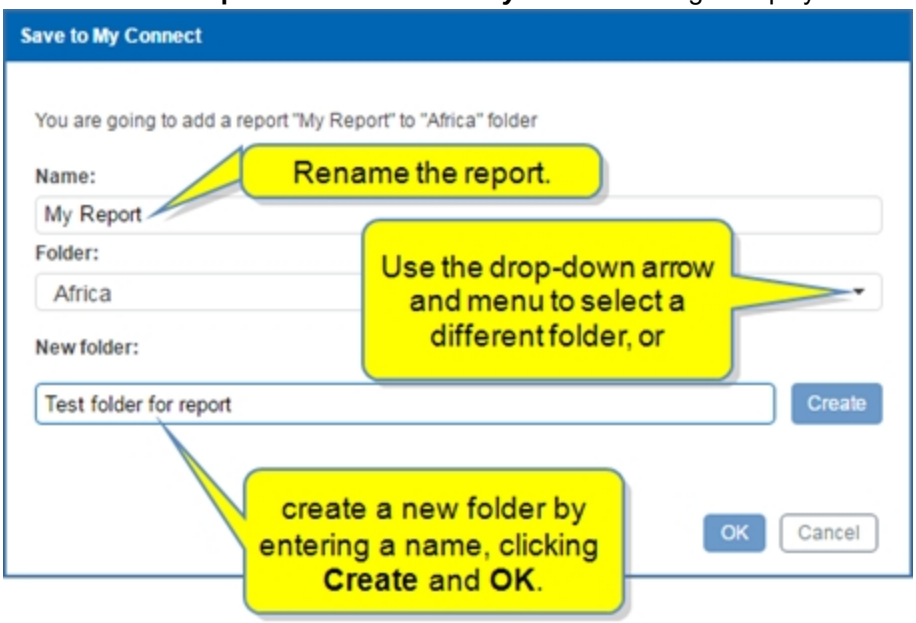
Download any Country Risk report into Word. Some other reports may only have a PDF download option.

Note: The PDF and Excel spreadsheet attachment available in the article view of research are not included in Report Builder. It is best to save print or save attachments while in the article view.

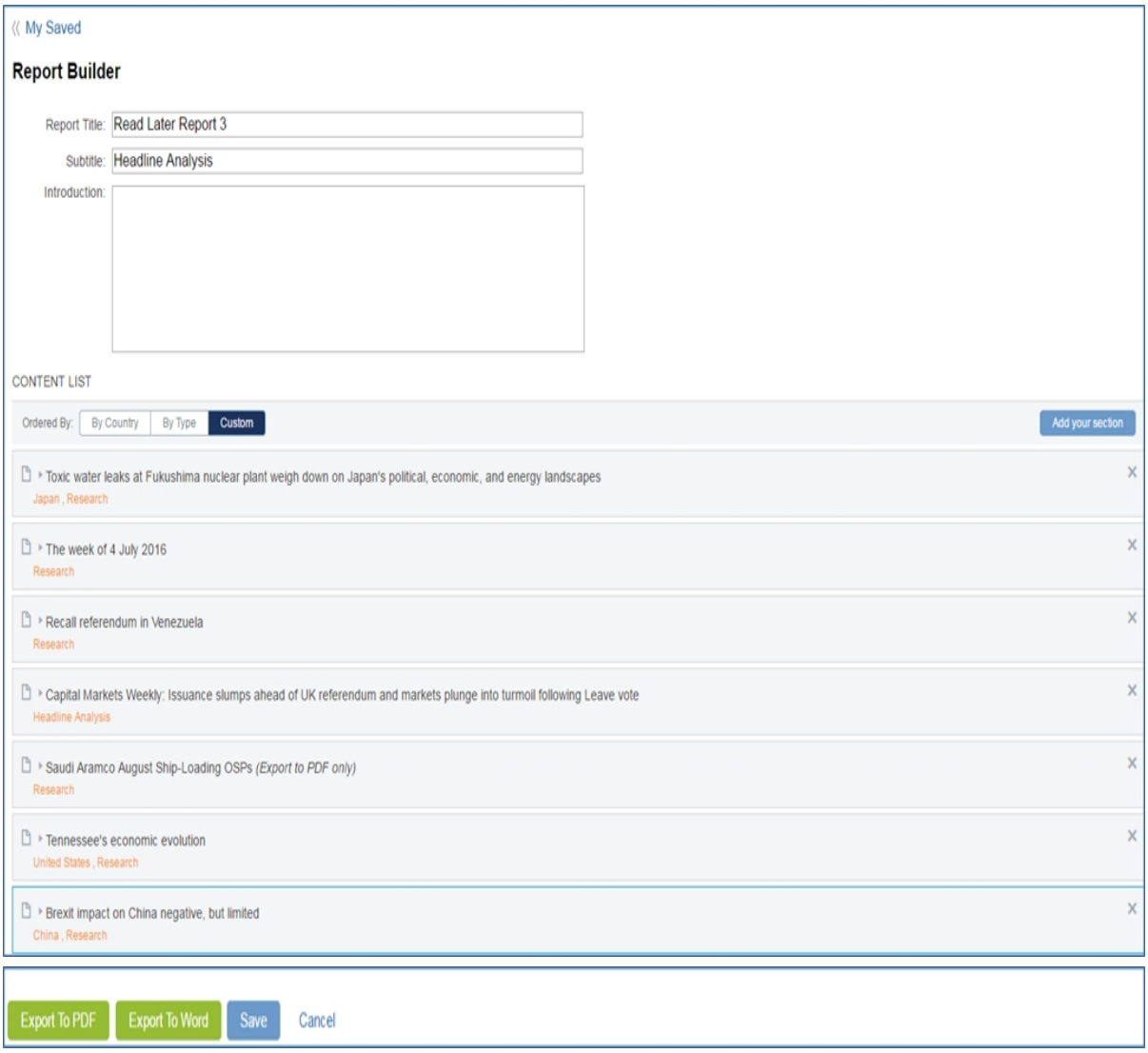


To create a custom report

1. Select the folder on My Connect that contains the items for the custom report you want to build.
2. Click the **Build Report** link. The ***Save to My Connect*** dialog is displayed.

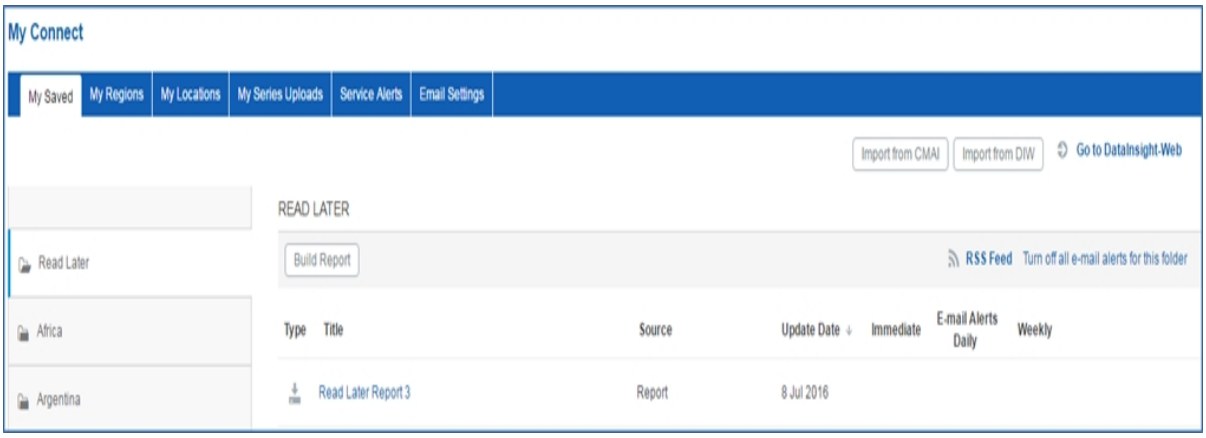


3. Enter a Name for the report.
4. Select an existing folder or create a new folder from the Folder drop-down list.
5. Click **Create**.
6. View the Content Unavailable for Report Builder, and then click **OK**. The Report Builder properties and content list page is displayed.



7. You can fill in a Subtitle and Introduction.
8. Select your preference for the list order of content: By **Type**, **By Country**, or **Custom**. (Custom is the default.)
9. Reorder the content by vertically dragging and dropping the research articles.
10. Select **Add your section** to enter comments, and then click **Apply**.
11. Select **Export to PDF** or **Save**. You can export some content to Word that is country risk related. Energy content cannot be exported to Word. You also have the option to **Cancel**.
    Because we saved the report in the Read Later folder, it is now listed in the folder with the report type

icon.



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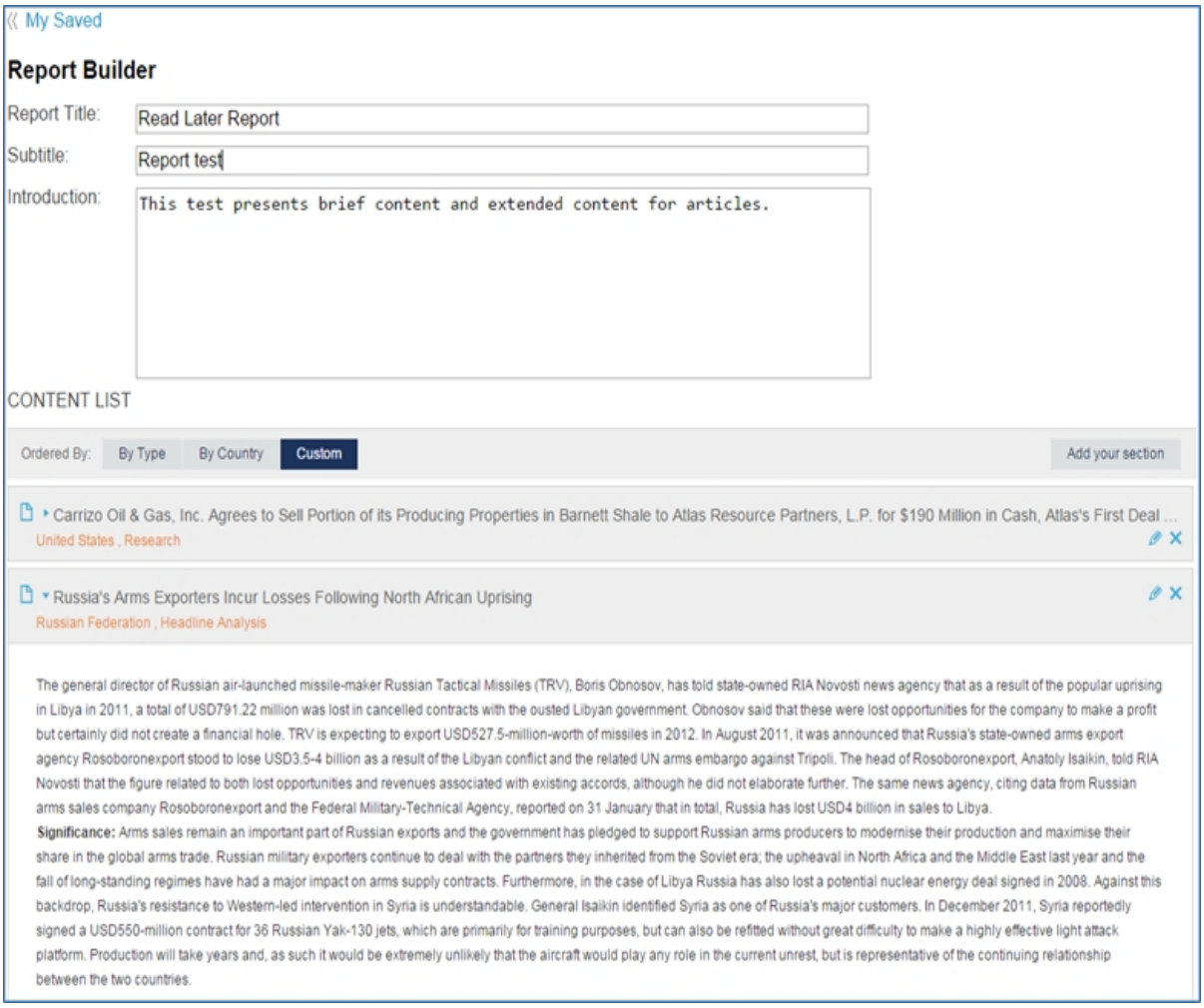
Examples of listed articles expanded

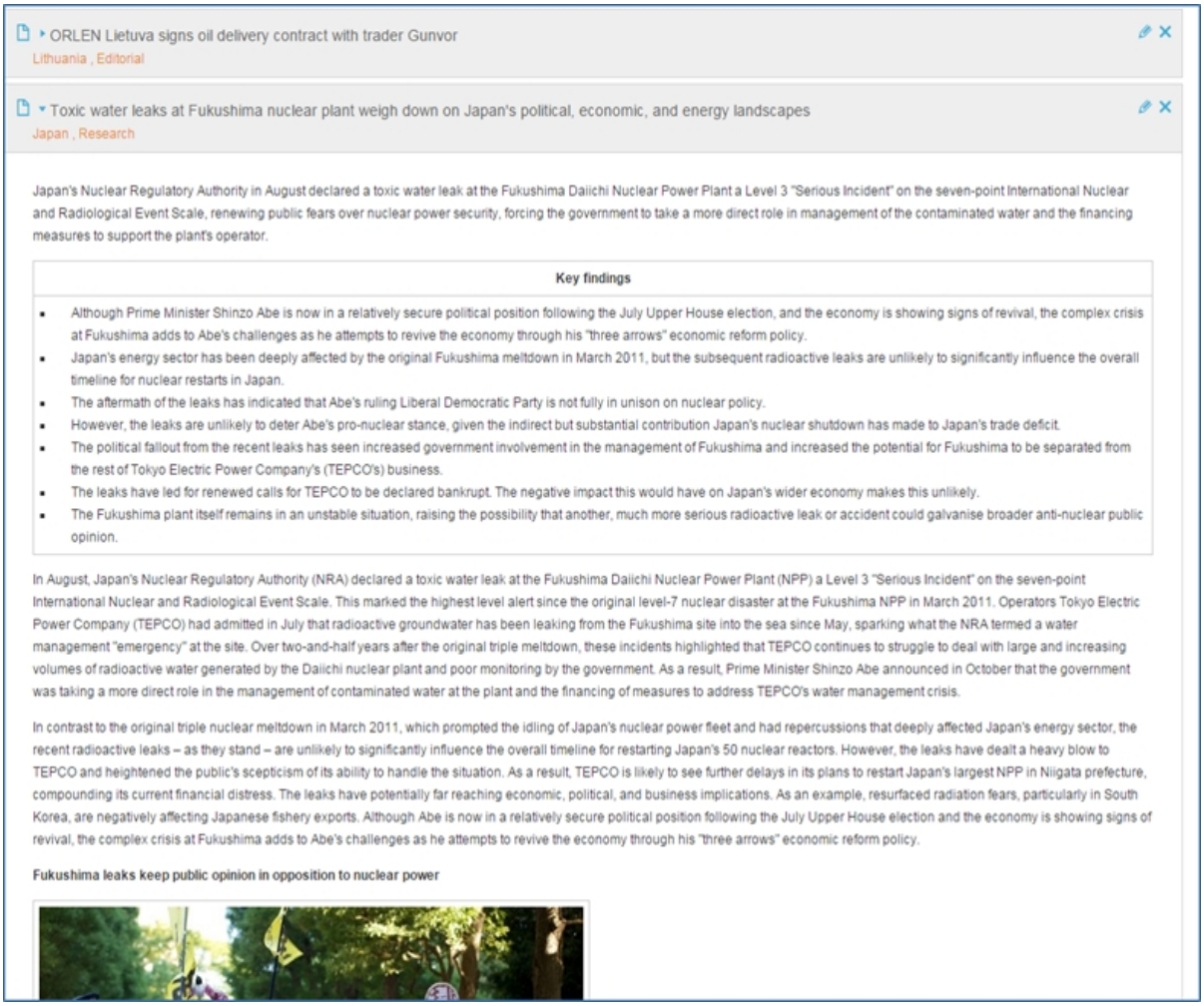
The following examples show brief and extended content captured in the report.

Example 1

Example 2



Example 3

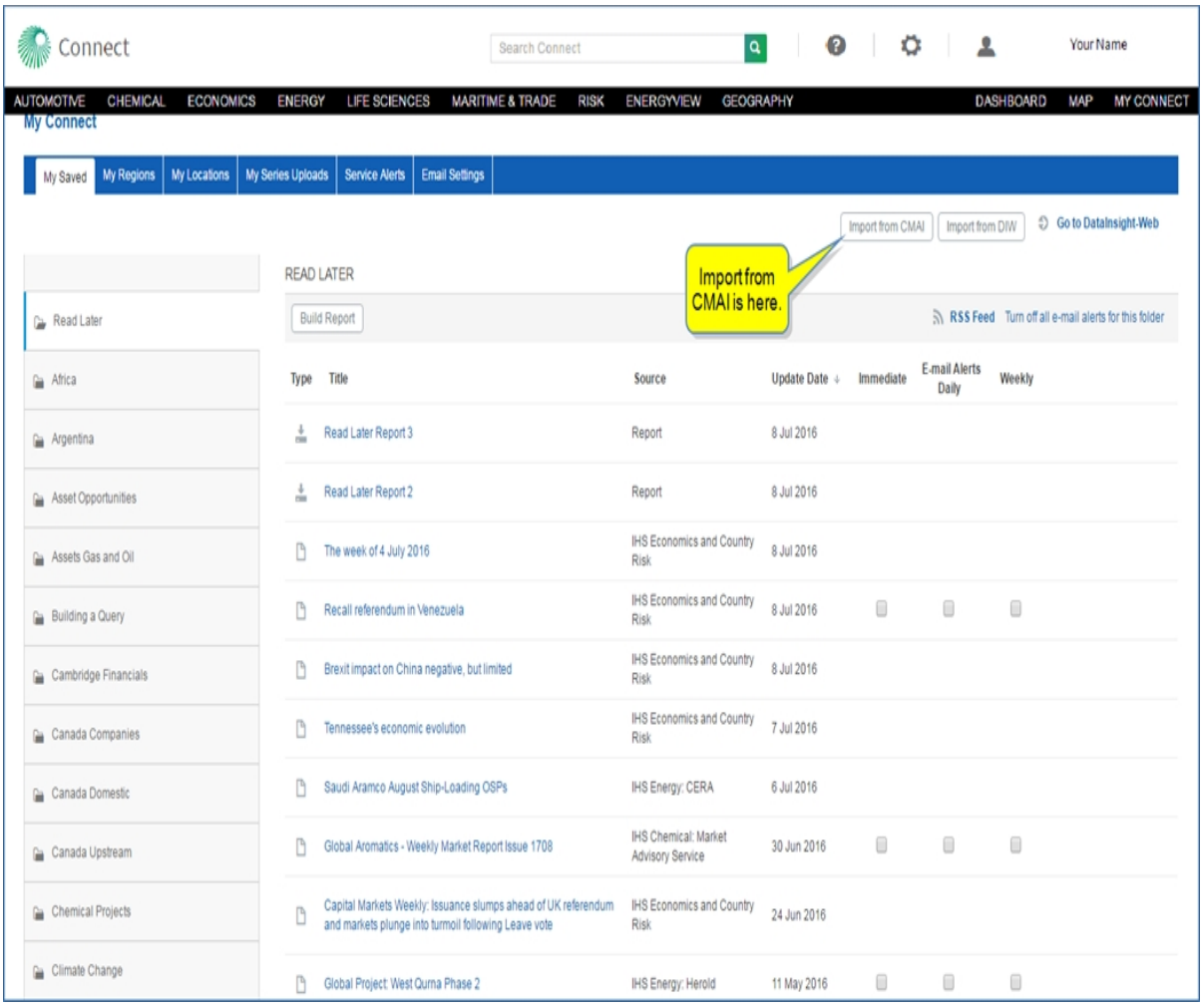


Importing from CMAI

If you have subscribed to Chemical Market Associates, Inc. in the past, you'll find enhanced search capabilities on Connect while providing full access to your saved material on CMAI.

To import saved workbooks from CMAI

1. Click **My Connect** on the Menu Bar on any page in Connect, and then select **Saved**.
2. Choose **Import from CMAI** at the top, right of the page. The My Saved page opens listing your existing projects on the left. In this example, the Read Later Project folder is selected, and its contents are listed to the right.



3. Select **Import from CMAI** at the top, right of the page.

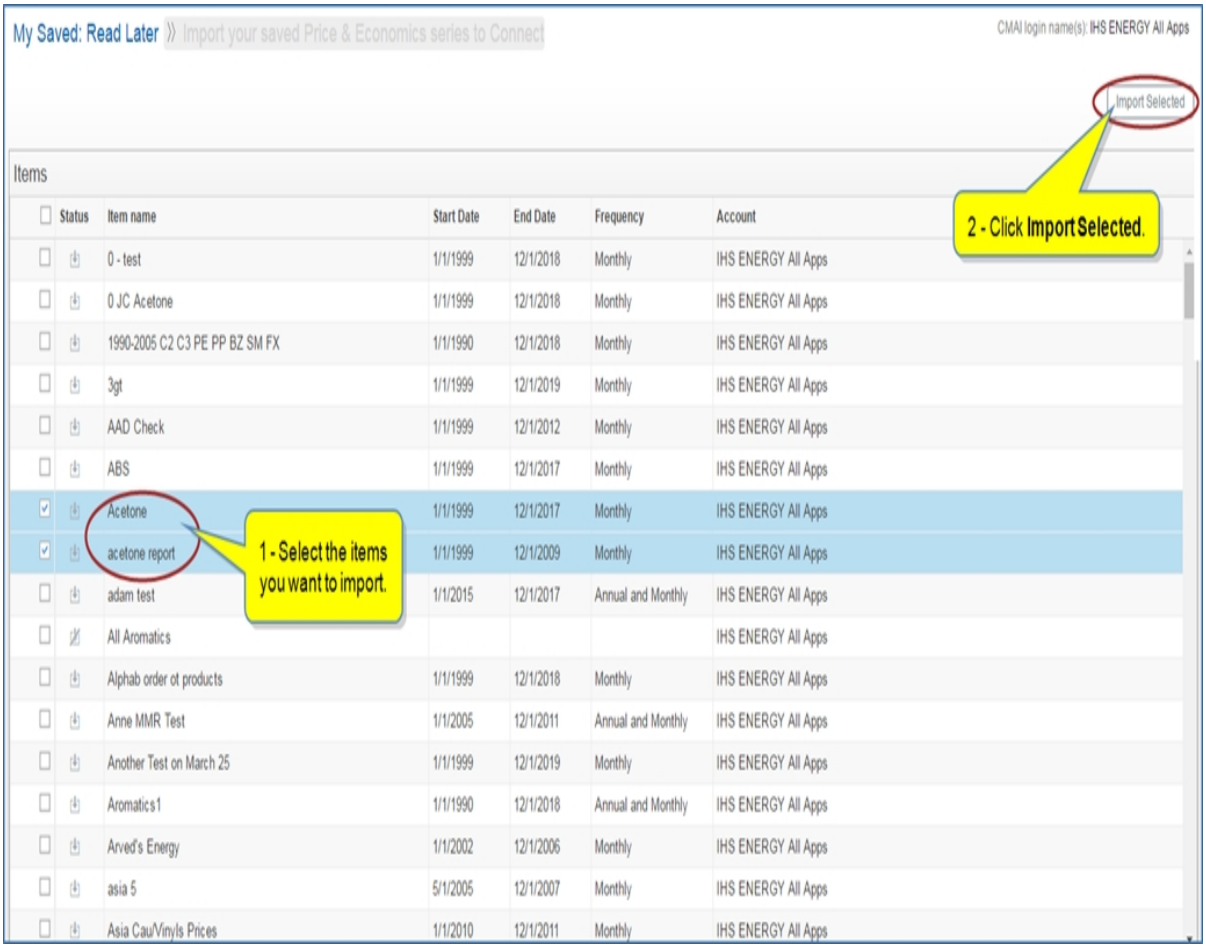
The Saved Price & Economics series is displayed.

4. Click the **Saved Price & Economics series** link.

Your custom Workbooks for this series in CMAI are listed. You can import selected workbooks or all workbooks to an existing folder or a new folder that you create under My Saved.

Note: Although the data for your Workbooks is available in Connect, you can import the custom series and Workbooks you have created in CMAI rather than recreate them in Connect.

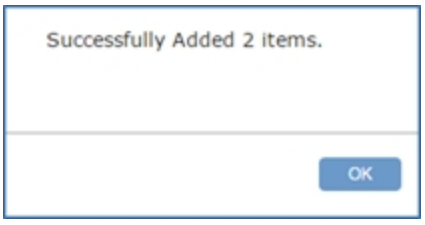
5. Select **Acetone** and **acetone report**, and then **Import Selected**.



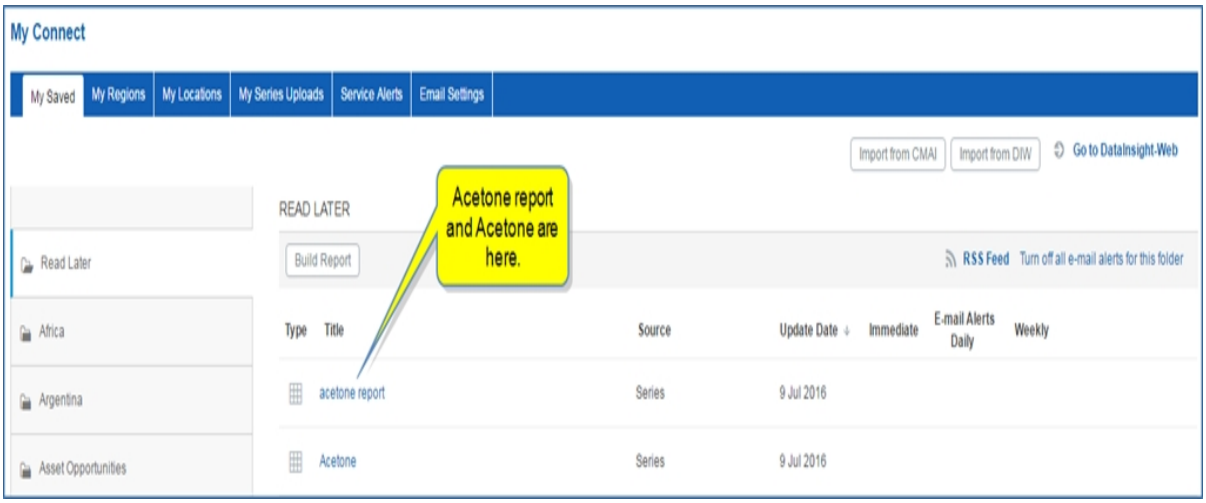
Status	Item name	Start Date	End Date	Frequency	Account
	0 - test	1/1/1999	12/1/2018	Monthly	IHS ENERGY All Apps
	0 JC Acetone	1/1/1999	12/1/2018	Monthly	IHS ENERGY All Apps
	1990-2005 C2 C3 PE PP BZ SM FX	1/1/1990	12/1/2018	Monthly	IHS ENERGY All Apps
	3gt	1/1/1999	12/1/2019	Monthly	IHS ENERGY All Apps
	AAD Check	1/1/1999	12/1/2012	Monthly	IHS ENERGY All Apps
	ABS	1/1/1999	12/1/2017	Monthly	IHS ENERGY All Apps
	Acetone	1/1/1999	12/1/2017	Monthly	IHS ENERGY All Apps
	acetone report	1/1/1999	12/1/2009	Monthly	IHS ENERGY All Apps
	adam test	1/1/2015	12/1/2017	Annual and Monthly	IHS ENERGY All Apps
	All Aromatics				IHS ENERGY All Apps
	Alphab order ot products	1/1/1999	12/1/2018	Monthly	IHS ENERGY All Apps
	Anne MMR Test	1/1/2005	12/1/2011	Annual and Monthly	IHS ENERGY All Apps
	Another Test on March 25	1/1/1999	12/1/2019	Monthly	IHS ENERGY All Apps
	Aromatics1	1/1/1990	12/1/2018	Annual and Monthly	IHS ENERGY All Apps
	Arved's Energy	1/1/2002	12/1/2006	Monthly	IHS ENERGY All Apps
	asia 5	5/1/2005	12/1/2007	Monthly	IHS ENERGY All Apps
	Asia Cau/Vinyls Prices	1/1/2010	12/1/2011	Monthly	IHS ENERGY All Apps

A ***Save*** dialog box is displayed. You can save **Acetone** and **acetone report** to a project on the drop-down list, or you can enter the name of a new project, and then click **Create**. In this example, we'll save to Read Later.

Connect gives an "Importing..." message, and then tells us we Successfully Added 1 and then 2 items.



Acetone is now listed in the Read Later project folder on My Saved.



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Importing Workbooks from DataInsight Web

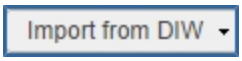
If you are a user of DataInsight-Web, you may have created Workbooks on that platform—for example, folders containing a custom set of data series. You have the ability to import them within Connect, thus taking advantage of Connect functionalities without losing your custom content.

Note: This import function does not apply to Smart Workbooks, only to regular workbooks. In addition, the series you import must belong to datasets available in Connect. Datasets available in Connect are listed in the Data Browser homepage (Choose a Dataset). See About Data Browser.

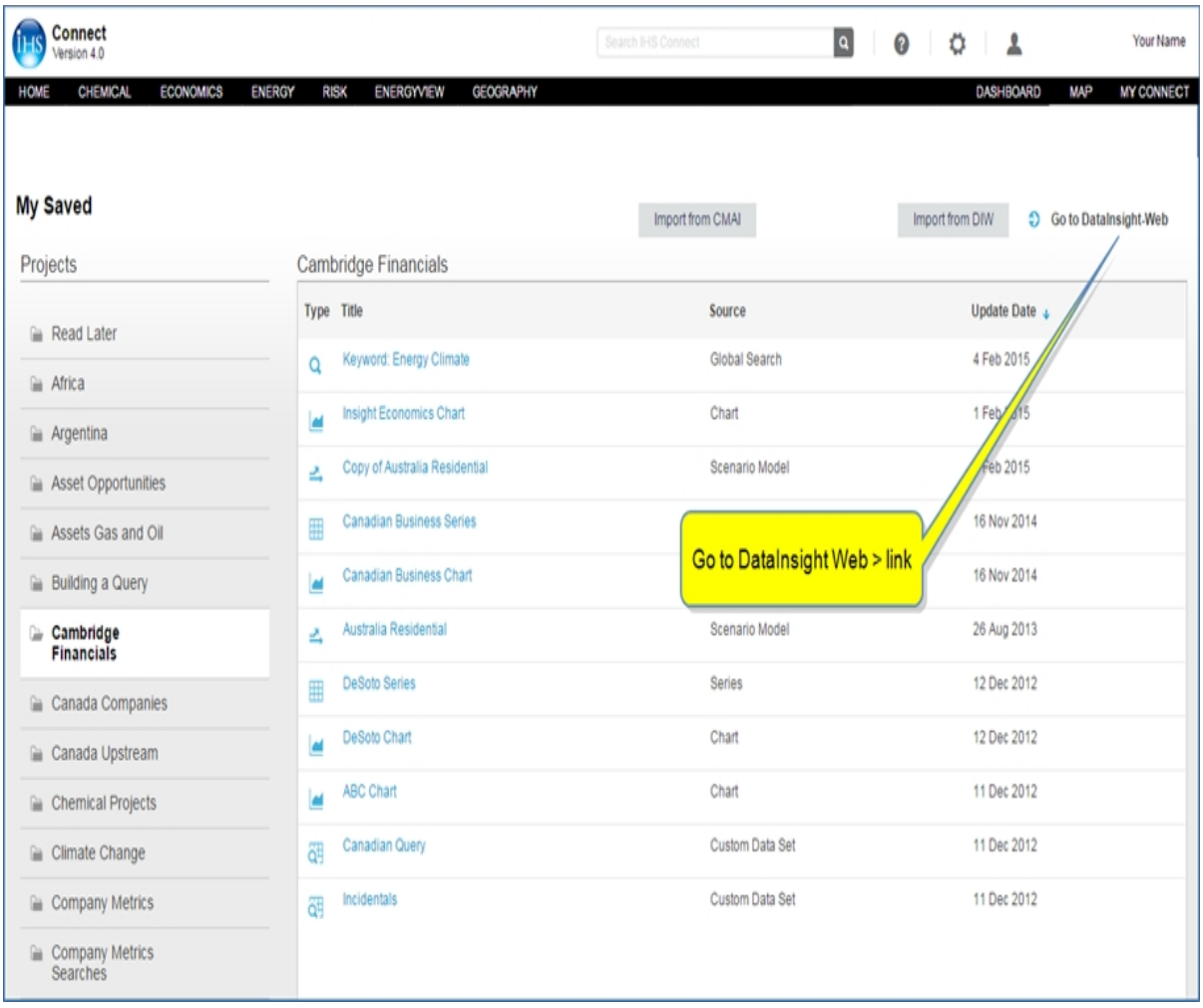
The following steps instruct you on how to import Workbooks from DataInsight Web.

To import a Workbook

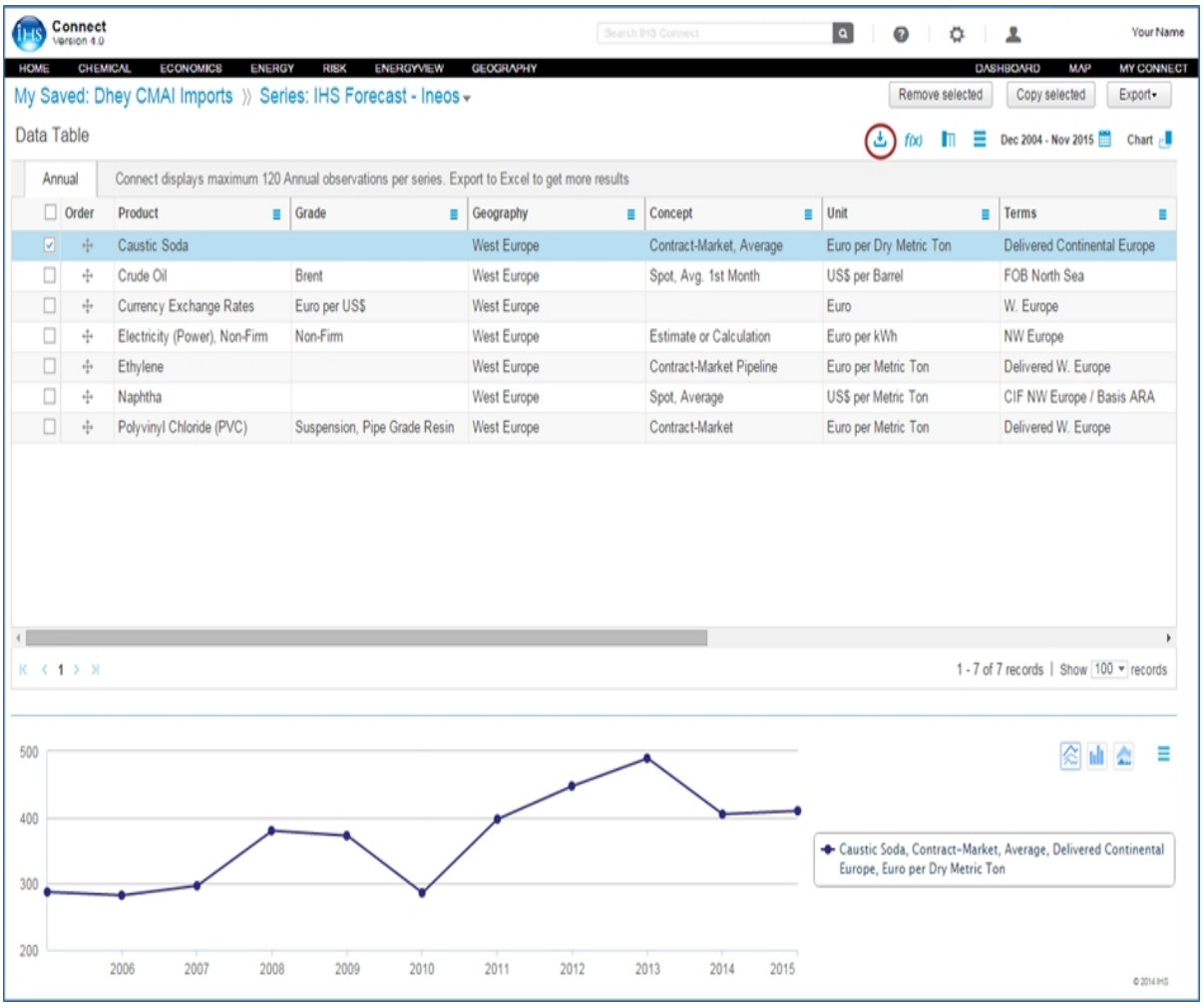
You can get to the Import Workbook function two ways:

1. Go to My Connect. Each project folder has an 

button displayed at the top right of the page.

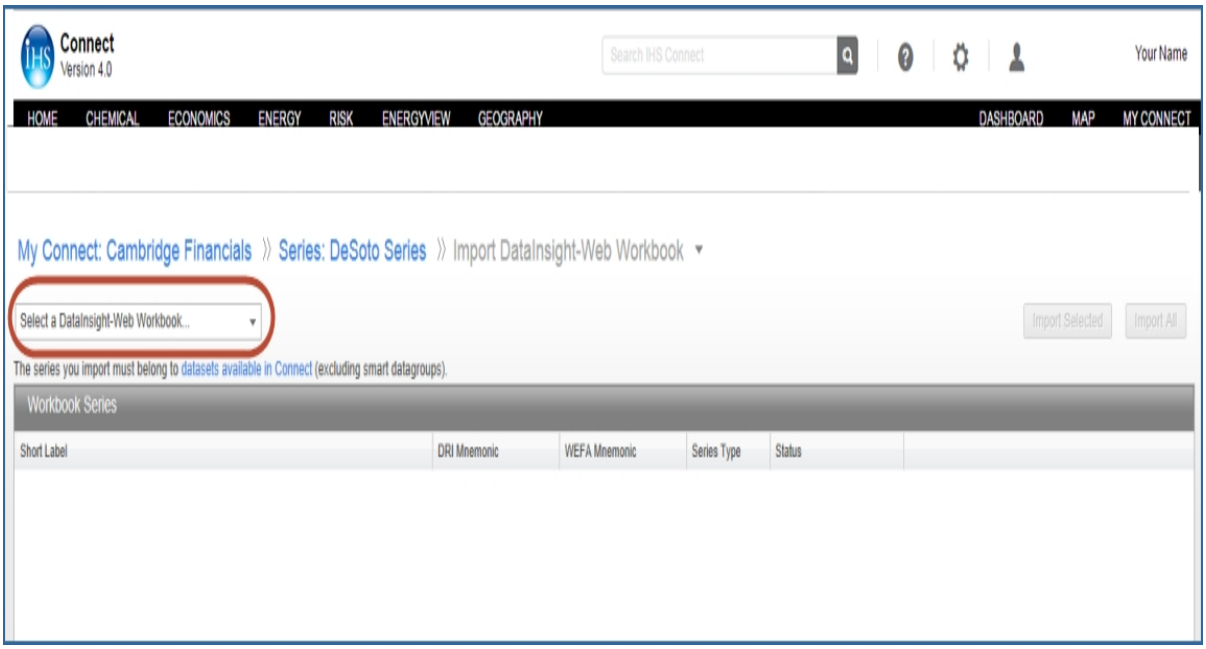


2. Or, open a series folder from a project on My Saved. Click the icon in the date grid header.



Once you click either of these Import Workbook buttons, you move to the Import interface.

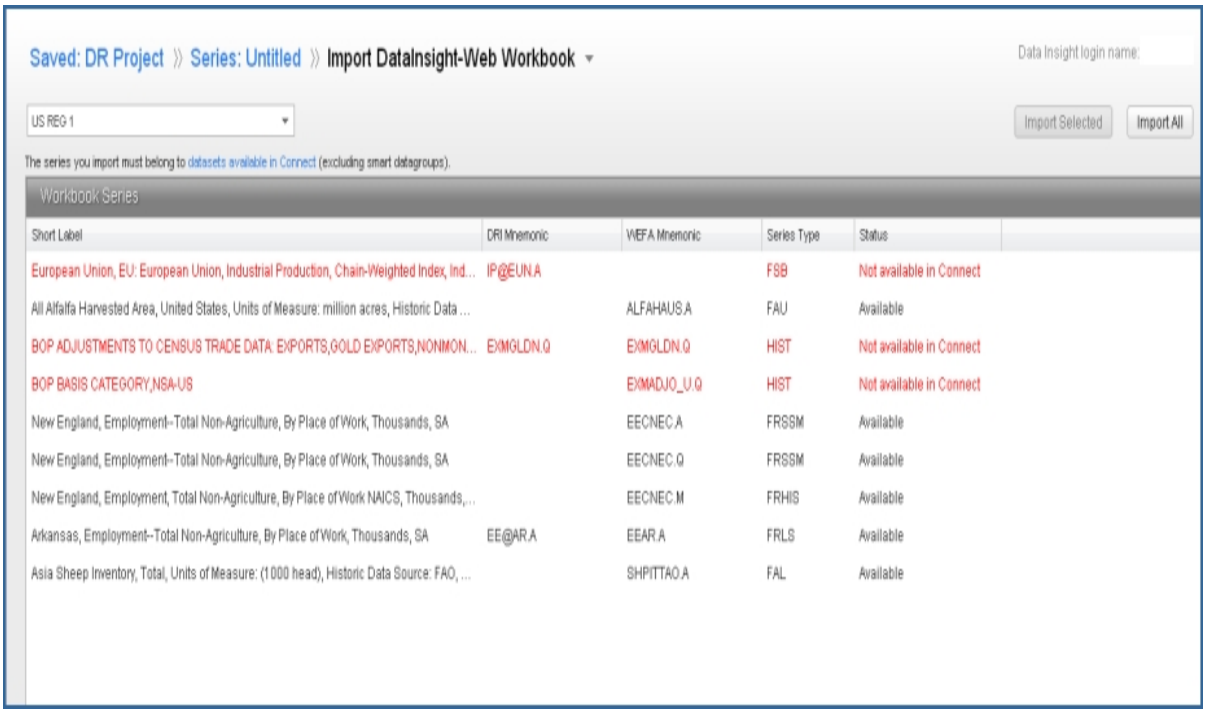
3. From the drop-down menu, select the workbook you want to import.



Once this is done, the list of series contained in the workbook is displayed in the central pane. For each series, the columns indicate the following information: Short label, DRI mnemonic, WEFA mnemonic, series type and Status. Status indicates whether you can import the series in Connect or not:

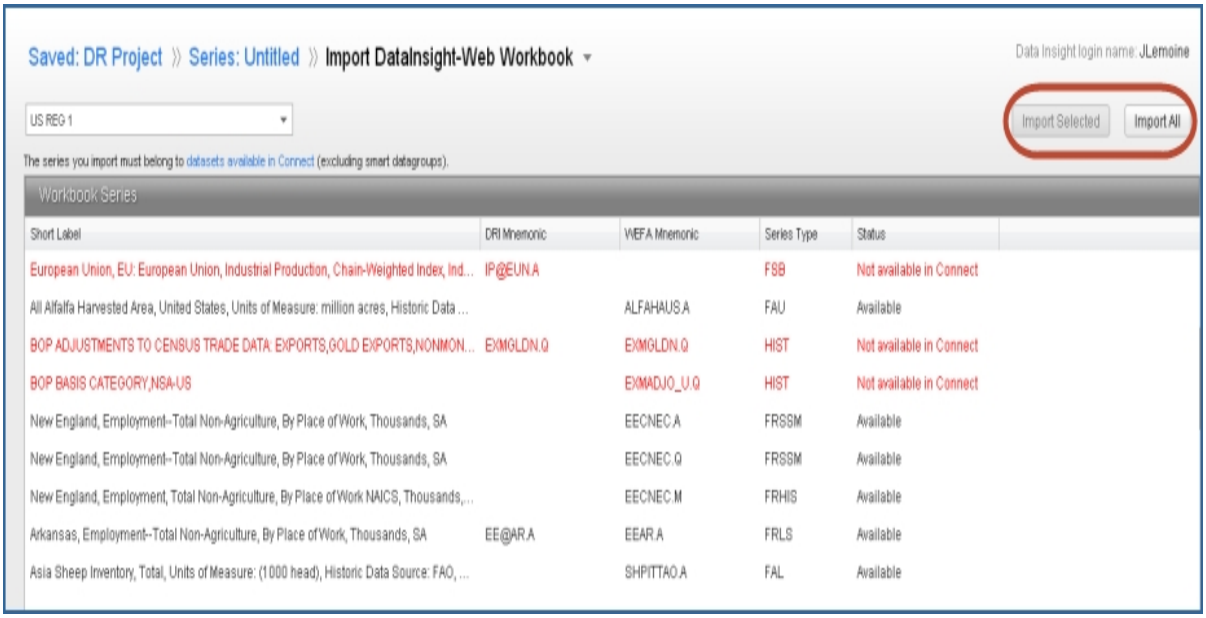
--If you can import a series, it appears black, and the Status is "Available."

--If you cannot import a series, it appears red, and the Status is "Not available in Connect." (This means that the dataset to which this series belongs is not available in Connect.)



4. You can either import all of the available series or select series within the list to import by clicking one of the buttons at the upper right of the page. The two buttons are **Import Selected** and **Import All**.

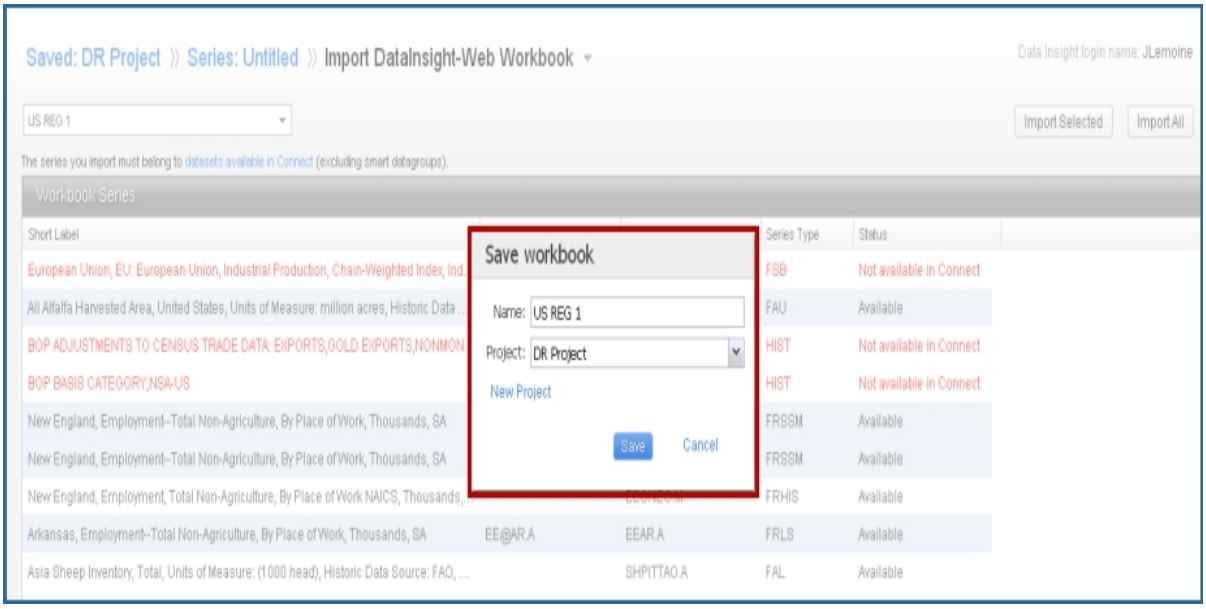
   To select individual series in the grid, click on each of them while keeping the CTRL button of your key-board pressed.



If you clicked the button from a project folder, a dialog box will open asking you to specify the name and

project folder under which you want to save these series. By default, Connect will keep the name of the DataInsight-Web workbook and select the project folder where you clicked the Import Workbook button. You can change this. You can also create a new project folder, by clicking **New Project**.

If you clicked the Import Workbook button within a series folder, you will not see this step.



Once the series are imported, they appear within the folder you designate.

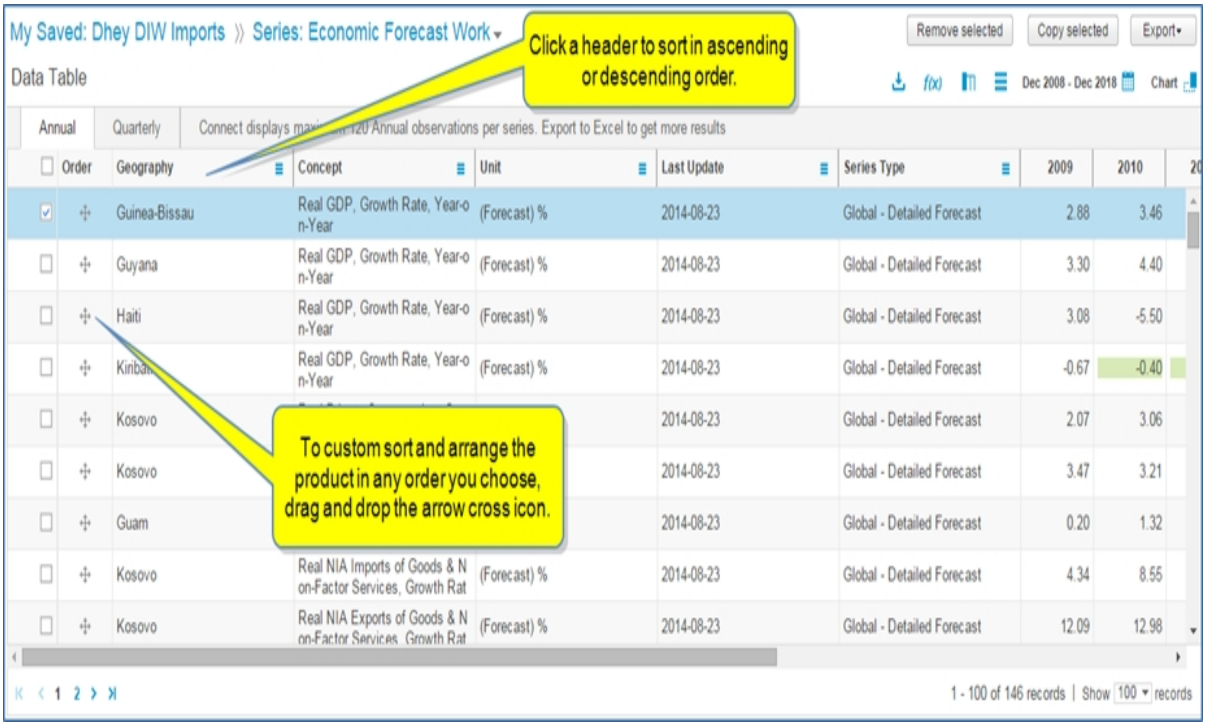
Working in the Data Table of the series

Please refer to the Data Browser topics for more information about working with the series: About Data Browser, Querying a dataset, Viewing Data Series in the Data Table and Preview Chart

Workbooks have additional functionality when imported to Connect.

Custom Order

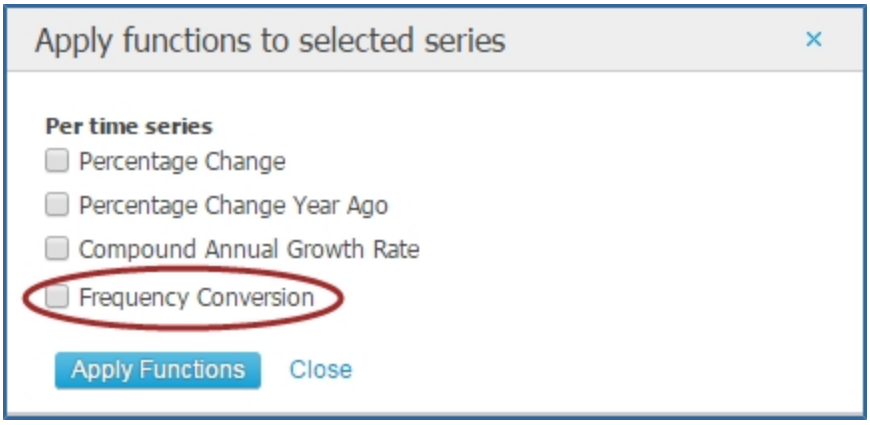
You can sort the data in a Data Table by clicking the header of a column, and you can, in addition, custom sort by dragging and dropping the arrow cross icon .



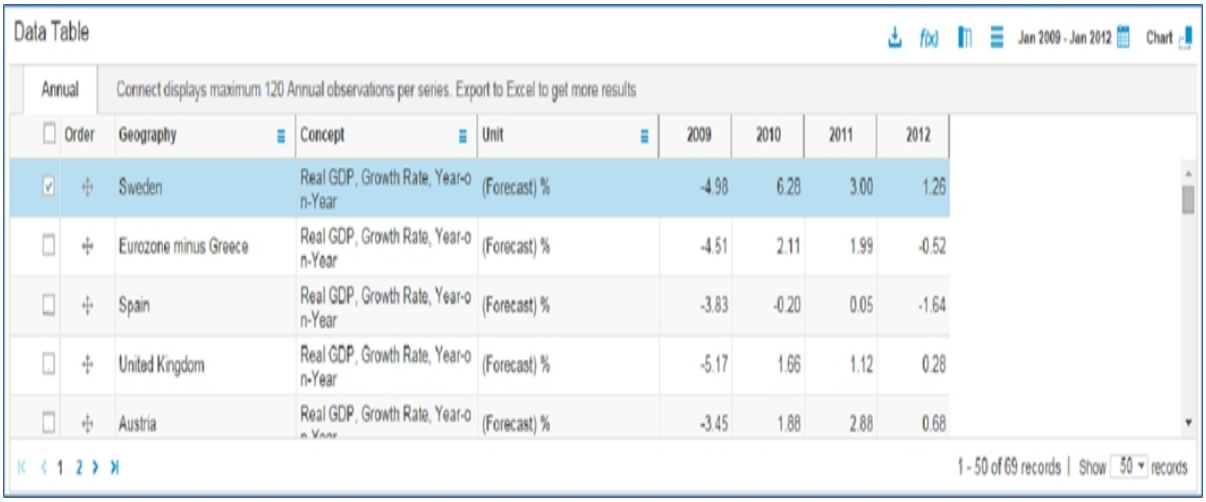
Clicking the **Order** header, returns the sort to your manual, custom order. This is helpful if you have made other changes that change the sort order, and you want to return to the custom order you created.

Functions

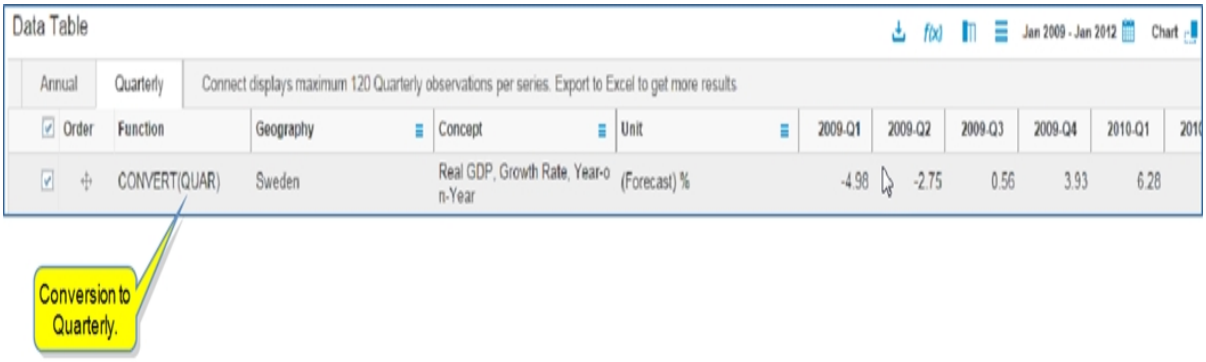
You can apply functions to selected series. The workbook series have a fourth function, which is Frequency Conversion.



The following example shows an Annual frequency.



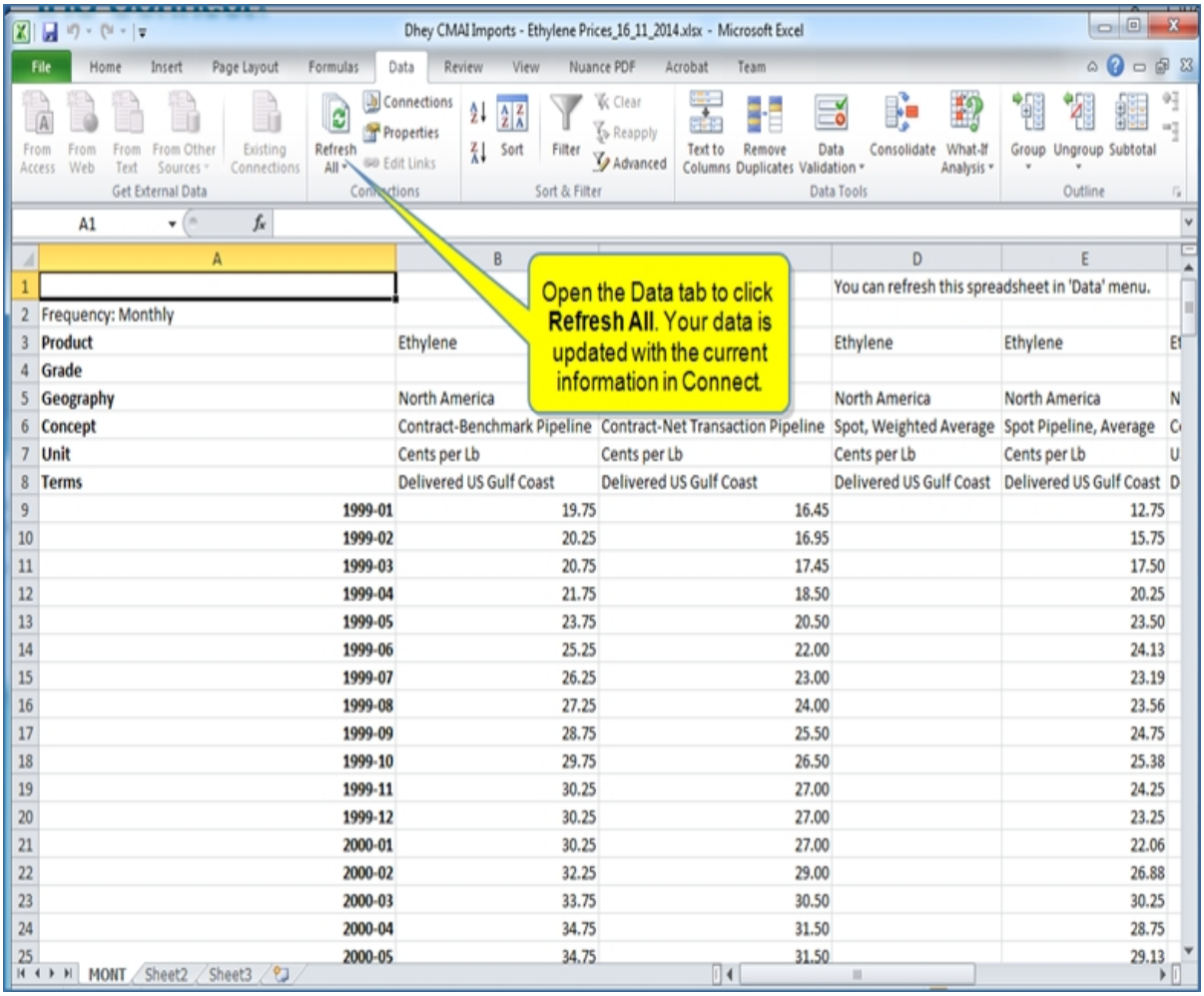
After applying the Frequency Conversion to create a Quarterly frequency, Connect displays the Quarterly frequency with a new Function column that shows there was a conversion to the Quarterly frequency.



Export all to Excel Refreshable

When you export all of the series to Excel, the data is refreshable in the future within the Excel spreadsheet—you get the latest update information at any time.

Go to the Data tab to click **Refresh All** to update with current information from Connect.


Dhey CMAI Imports - Ethylene Prices_16_11_2014.xlsx - Microsoft Excel
Open the Data tab to click Refresh All. Your data is updated with the current information in Connect.
You can refresh this spreadsheet in 'Data' menu.

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