



PEPS Oil & Gas Risk

Providing a global view of comparative investment risks in the upstream oil and gas sector

Analysis and monitoring of above-ground factors that affect the profitability of E&P capital investments and continuing operations.

As the risk module of the Petroleum Economics and Policy Solutions (PEPS) product, the Oil and Gas Risk Module provides executives in corporate strategy and risk management, business development and new ventures, and corporate security with forward-looking analysis on above-ground petroleum sector risks in hydrocarbon producing and frontier countries. OGRS analysis is built around our proprietary risk methodology, which evaluates 130 countries and territories against 21 factors to offer clients an objective and systematic way to compare risk between countries and at different stages of the investment cycle.

PEPS Oil & Gas Risk clients receive timely briefs and research notes on current events and developments influencing the above-ground upstream risk environment, as well as in-depth special reports and quarterly presentations. These features work together to create a comprehensive view enabling clients to understand, manage and mitigate risk in new country entry, project assessment, portfolio evaluation, and strategic planning.



Why IHS Market Energy Oil and Gas Risk Service?

- An oil & gas industry - focused approach to risk assessment across 130 producing and frontier territories.
- Created and produced by petroleum sector experts.
- Designed specifically for use in oil & gas industry workflows - from new business to strategy to portfolio and risk evaluation.

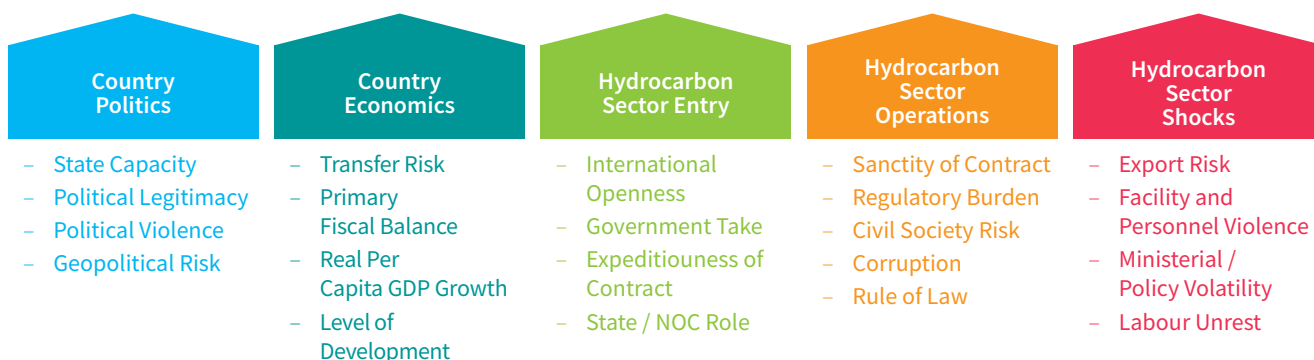
Clients Receive:

- Timely, essential expert analysis, incorporating IHS Energy data, forecasts and mapping tools.
- Insight into the dynamics shaping policy choices in producing countries and emerging exploration frontiers.
- Identification of future points of risk and the impact on upstream investment.
- Comparative risk benchmarking tool customizable to client interest.
- Access to a team of regional energy experts.

Risk Benchmarking and Commentaries to enable systematic screening, portfolio evaluation and assessments

- Provides comparative scores for 130 major oil and gas producing countries and frontier states across 21 risk factors with commentary, key drivers and assumptions.
- Draws on a rating methodology developed in collaboration with industry, including analysis of policy implementation, political and economic drivers, energy fundamentals, regulatory framework and susceptibility to hydrocarbon sector shocks.
- Captures metrics relating to existing investor success and experience in access, approvals, contract stability and government relations.
- Adjustable weightings enable clients to create a customised view to focus on relevant risks to support new country entry, project evaluation or portfolio assessment.

Petroleum Sector Risk Inputs

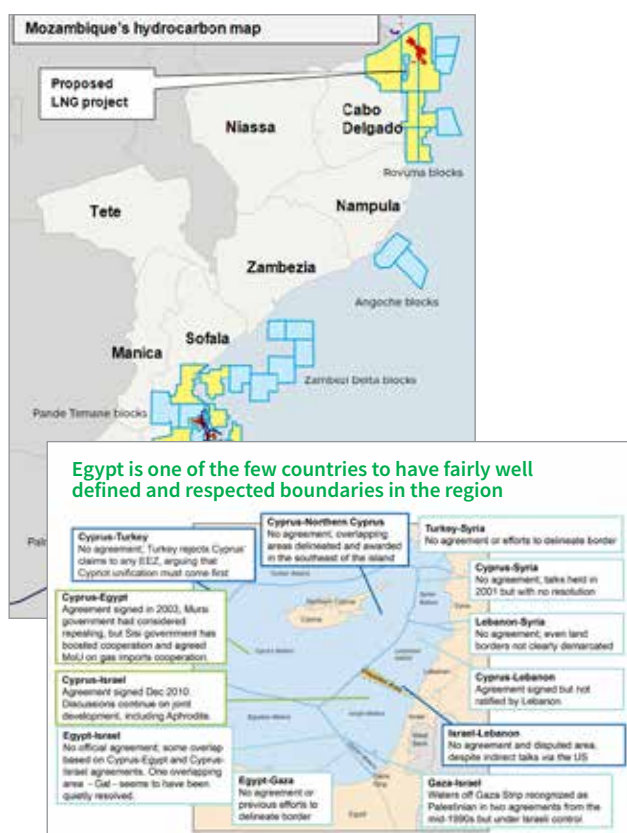


Research Notes and Briefs to assess future implications of critical developments

- Essential expert analysis, provided as events warrant and incorporating IHS Markit Energy data, forecasts and maps.
- Going beyond the conventional wisdom - an independent, structural view of factors driving state behaviour and impact on upstream investment and operating climate.

Special Reports & Quarterlies to identify trends that will shape the above-ground risk environment

- Detailed analysis of emerging trends affecting investors in hydrocarbon-producing and frontier states.
- Regular assessments of major changes in the upstream investment environment expected over the next 12-18 months. Recent topics have included: Impact of low oil prices on above ground risk; Evolution of boundary disputes affecting E&P; The influence of the competitor mix on countries' ability to weather low oil prices.



Country Profiles to provide insight on oil and gas policy drivers and the competitive environment

Detailing the energy sector priorities, institutions, hydrocarbon economics and competitor mix of the largest producing countries.

Government Policy and Decision-Making

- Provides an overall assessment of the state's strategic approach to the oil and gas sector and an evaluation of its ability to deliver key objectives.
- Includes a discussion of primary decision-making bodies and the role of the National Oil Company (NOC), where applicable.
- Identifies the primary preoccupations and challenges shaping government energy policy priorities.

Algeria Upstream Decision-Making Structure



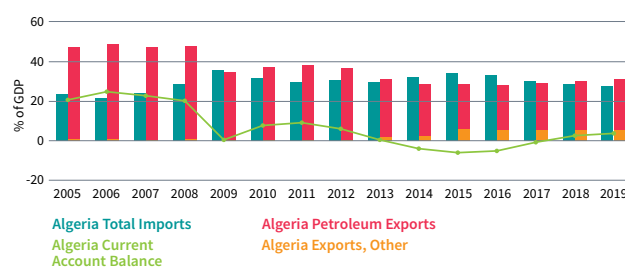
Source: IHS

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Energy Fundamentals

- Assesses the role of the oil and gas sector in the country's fiscal and trade balances, giving a window into the state's reliance on the sector and potential policy pressure points.
- Provides a snapshot of the near-term energy balance, the ability to cover domestic needs and outlook for exports.
- Evaluates the level of debt and availability of reserves with a view to the impact on energy company non-payment.

Algeria Petroleum Exports and Trade Balance

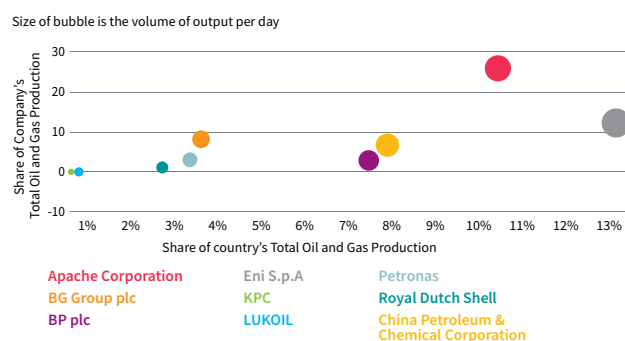


Source: IHS

Competitor Environment

- Provides an overview of companies involved in existing production and new production growth along with forecasts on the expected evolution over time.
- Offers visibility on country-company dynamics; the importance of a company to a country's long-term production prospects and vice versa.
- Details the country's reliance on foreign investors versus the domestic NOC, where applicable.

Egypt Competitor Dynamics



Source: IHS. Note: EGPC and EGAS are not included in this chart.

Total production calculation for "oil" and "oil and gas" does not include natural gas liquids.

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About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.