



EnergyView Service Sector (EVSS)

Connect™ User Guide

2020

Table of Contents

Connect Login

- [Product Overview](#)

IHS Connect

- [Connect Login Instructions](#)
- [My Connect \(Email alert options and saved research\)](#)
- [Customize Deliverables \(for Oil Markets pages\)](#)

Oil Markets

- [Crude Oil Markets](#)
- [Refining and Marketing](#)

Upstream

- [PEPS Oil & Gas Risk](#)
- [Plays & Basins](#)
- [Upstream Spend Report](#)

Global Gas and LNG

- [Global Gas](#)
- [LNG](#)

Global Power & Renewables

- [Global Power & Renewables](#)

Coal

- [Steam Coal](#)

Cross Energy

- [Energy and Climate Scenarios](#)
- [Strategic Horizons](#)
- [EnergyView Service Sector](#) (Compiles all available research (Upstream, Oil Markets, Gas, Power, etc.) in one area.)

[GPE Trial Hub](#) (Browse selected GPE research outside of your subscription.)

[Contact Us](#)

EnergyView Service Sector (EVSS) Services

Provides a suite of IHS Markit Energy Advisory Services to provide an extensive package of energy data, analysis and insight covering oil, natural gas and power sectors.

Crude Oil Markets

- Crude Oil Markets Fundamentals
- Asia/ME Crude Oil Markets
- Refining and Marketing Fundamentals

Global Gas

- Global Gas Markets (including North America, Europe, Latin America, China, South East Asia, Russia and the Caspian)
- LNG

Upstream

- Oil & Gas Risk
- Plays & Basins
- Upstream Spend Report

Global Power & Renewables

- Global Power (including North America, Europe, Latin America, China, South & East Asia, Russia and the Caspian)
- Global Renewables (including North America, Europe and Emerging renewable markets)

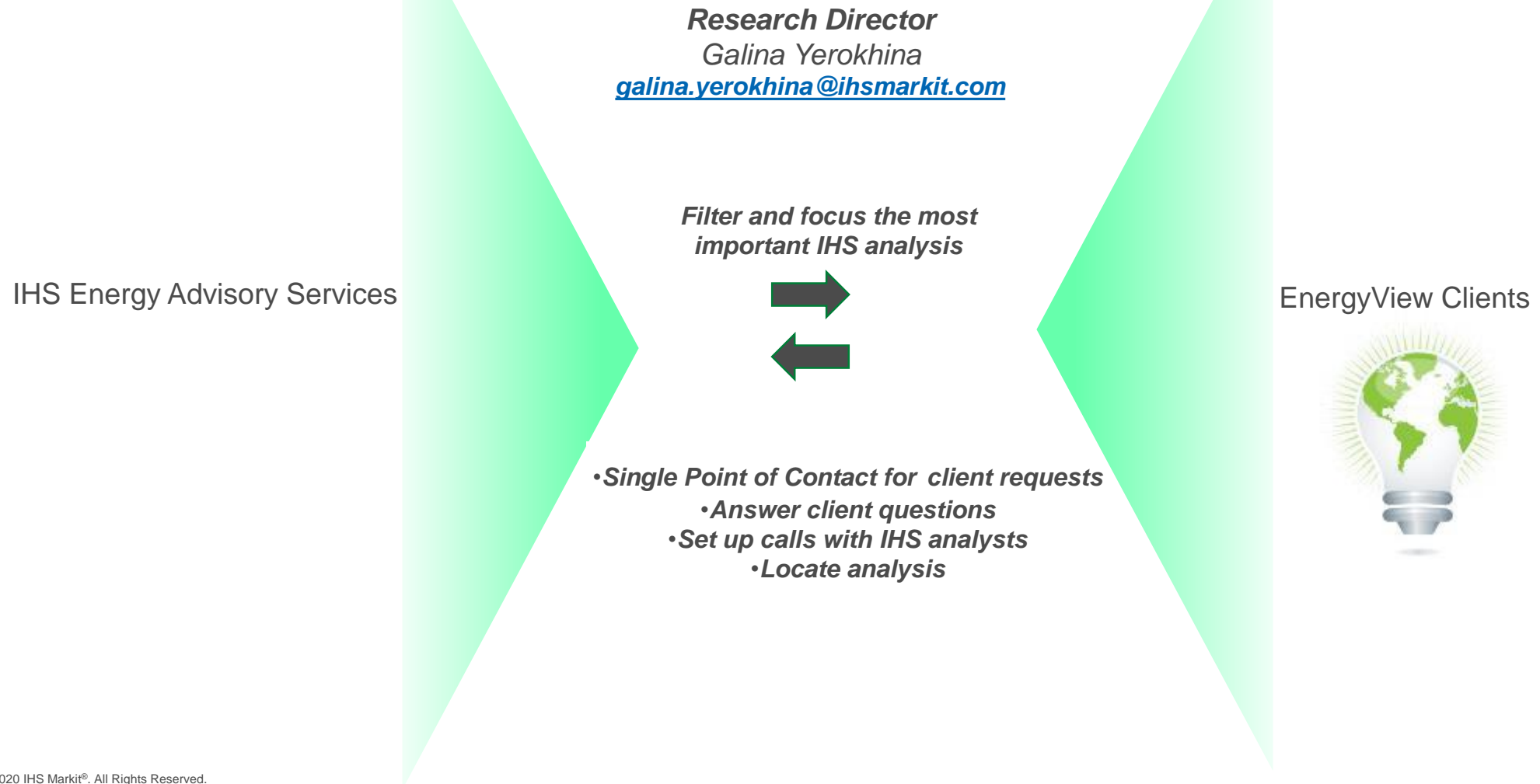
Coal

- Global Steam Coal

Cross Energy

- Climate and Energy Scenarios
- Strategic Horizons

EnergyView Service Sector: Your Dedicated Research Director

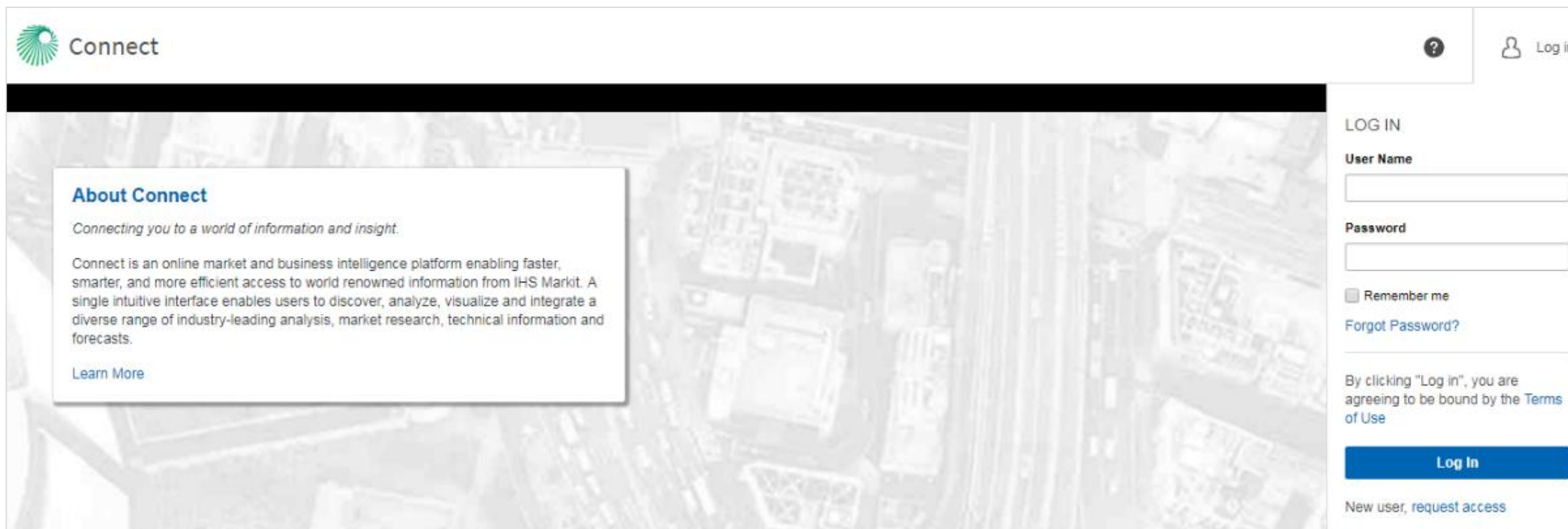


Connect Login Instructions

Connect Login Instructions

Go to connect.ihsmarkit.com and log in with your Username and Password.

Click on 'Forgot Password?' to reset your password.



The screenshot shows the IHS Markit Connect login interface. On the left, there is a 'Connect' logo and a large background image of a city street. A white box on the left contains the text 'About Connect' followed by a description of the platform and a 'Learn More' link. On the right, there is a 'LOG IN' section with input fields for 'User Name' and 'Password', a 'Remember me' checkbox, a 'Forgot Password?' link, and a blue 'Log In' button. Below the button is a link for 'New user, request access'.

Connect

About Connect

Connecting you to a world of information and insight.

Connect is an online market and business intelligence platform enabling faster, smarter, and more efficient access to world renowned information from IHS Markit. A single intuitive interface enables users to discover, analyze, visualize and integrate a diverse range of industry-leading analysis, market research, technical information and forecasts.

[Learn More](#)

LOG IN

User Name

Password

☐ Remember me

[Forgot Password?](#)

By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

[New user, request access](#)

Connect New User Registration

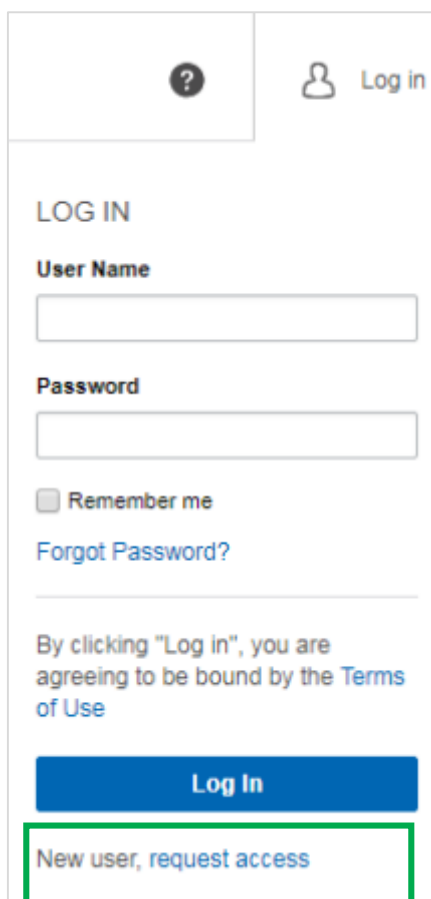
Go to connect.ihsmarkit.com and request access.



Follow 4 steps for Connect registration

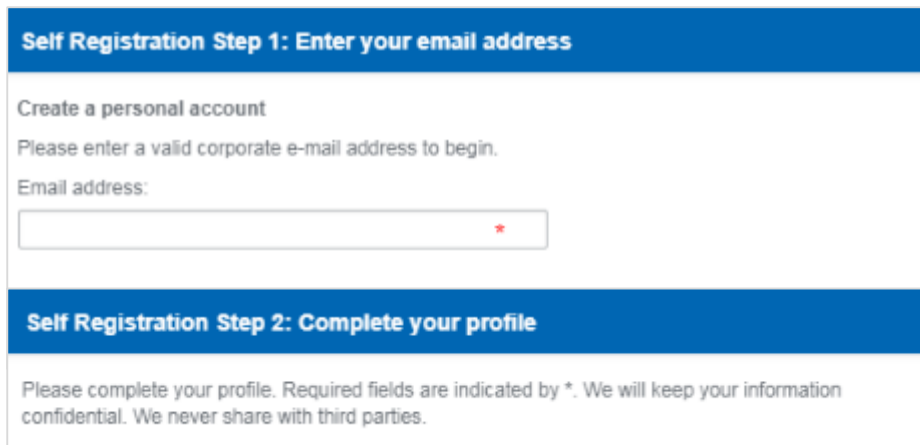
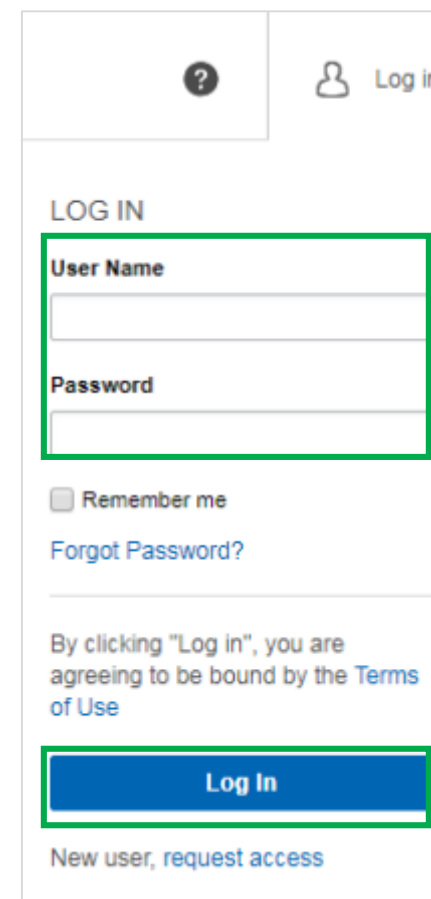


Go to connect.ihs.markit.com and login



1. Enter your corporate email address.
2. Complete your profile. (Enter Connect in the Product Used field)
3. Accept the terms of service.
4. Complete Your Registration

Once you are provided with access, you will receive an email confirmation from customercare@ihsmarkit.com with your login instructions.

My Connect

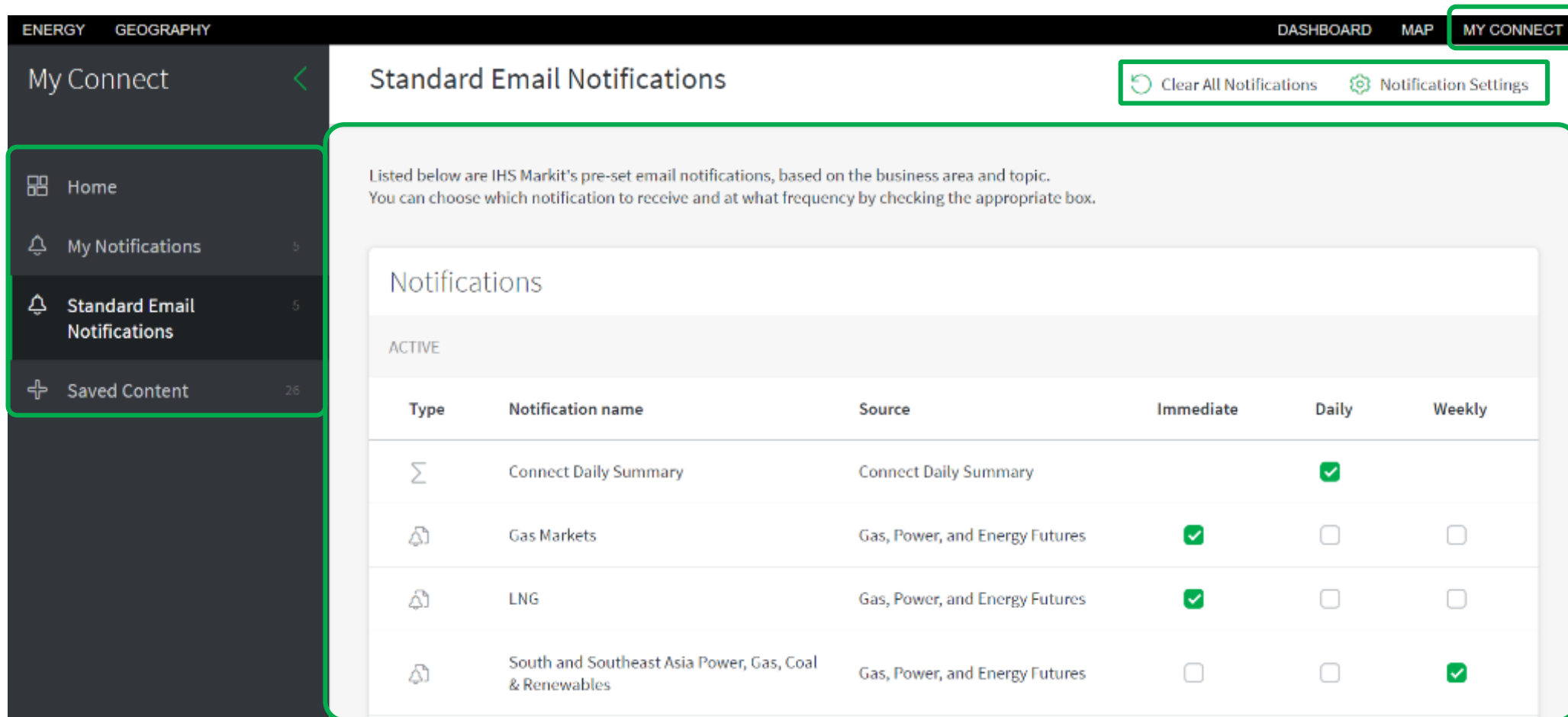
Click on **My Connect** in the black menu bar to manage **Email Notifications** and to retrieve **Saved Content**.

Home: View your selected notifications and latest saved content.

My Notifications: View your selected email notifications by frequency (Immediate, Daily, Weekly)

Standard Email Notifications: A listing of all available email notifications within your subscription.

Saved Content: Retrieve and edit your saved content by type and folder.



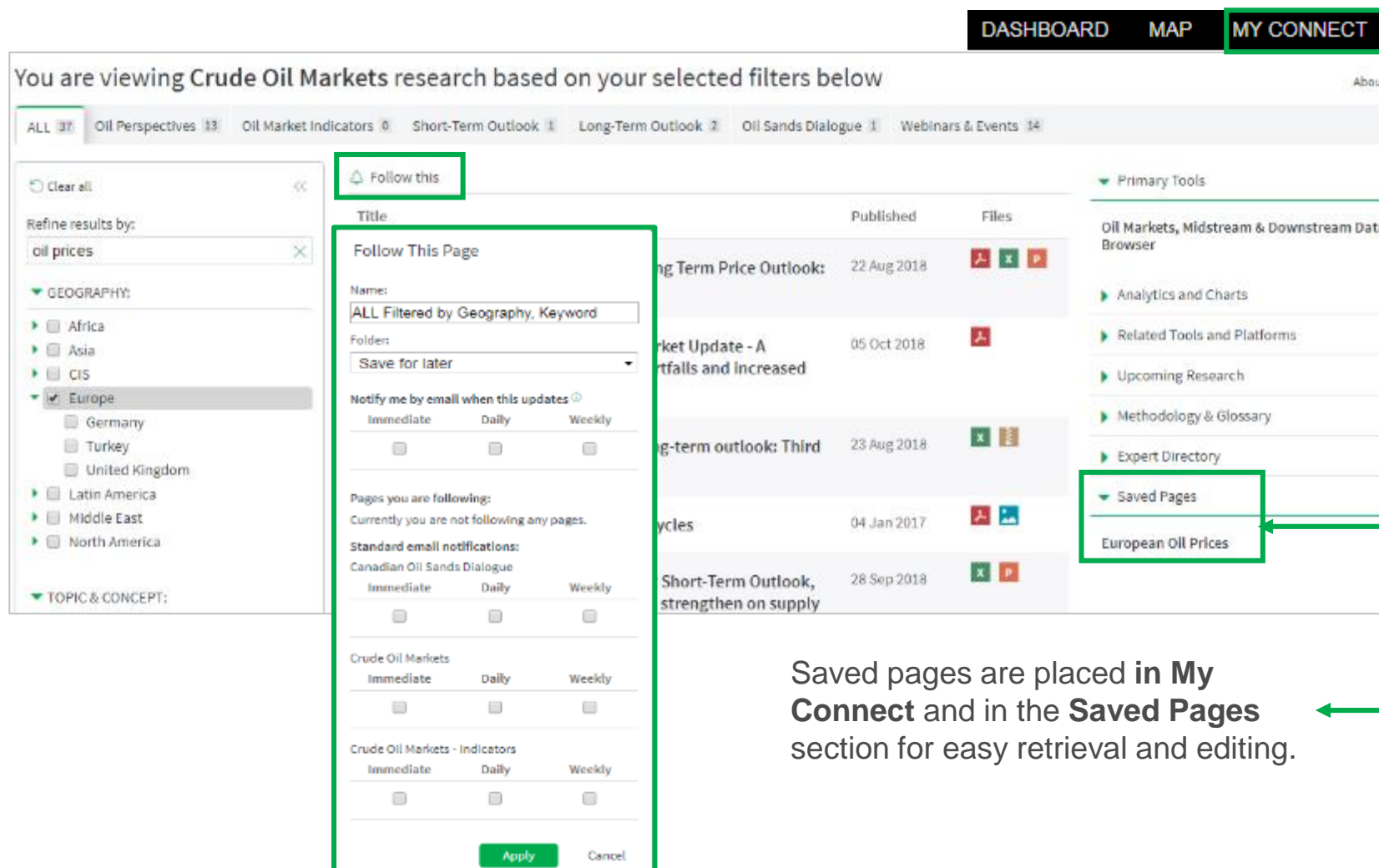
The screenshot shows the IHS Markit My Connect interface. The top navigation bar includes 'ENERGY', 'GEOGRAPHY', 'DASHBOARD', 'MAP', and 'MY CONNECT'. The left sidebar contains 'My Connect', 'Home', 'My Notifications', 'Standard Email Notifications', and 'Saved Content'. The main content area is titled 'Standard Email Notifications' and includes a 'Clear All Notifications' button and a 'Notification Settings' link. Below this, a table lists pre-set email notifications with columns for Type, Notification name, Source, and frequency options (Immediate, Daily, Weekly).

Type	Notification name	Source	Immediate	Daily	Weekly
Σ	Connect Daily Summary	Connect Daily Summary		<input checked="" type="checkbox"/>	
📁	Gas Markets	Gas, Power, and Energy Futures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
📁	LNG	Gas, Power, and Energy Futures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
📁	South and Southeast Asia Power, Gas, Coal & Renewables	Gas, Power, and Energy Futures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Customize Your Deliverables: Save and Follow a Research Page (for Oil Markets pages)

Save a research page into **My Connect** and apply an email alert to be notified when a document is updated on your page.

1. Apply filters or a key word search on a research page.
2. Click on **Follow this** above the results listing.
3. In the **Follow This Page** box that appears, **Name** your page and select the **Save for later** folder, or click into the dropdown to create your own folder.
4. Select your email alert frequency.
5. Click **Apply**.






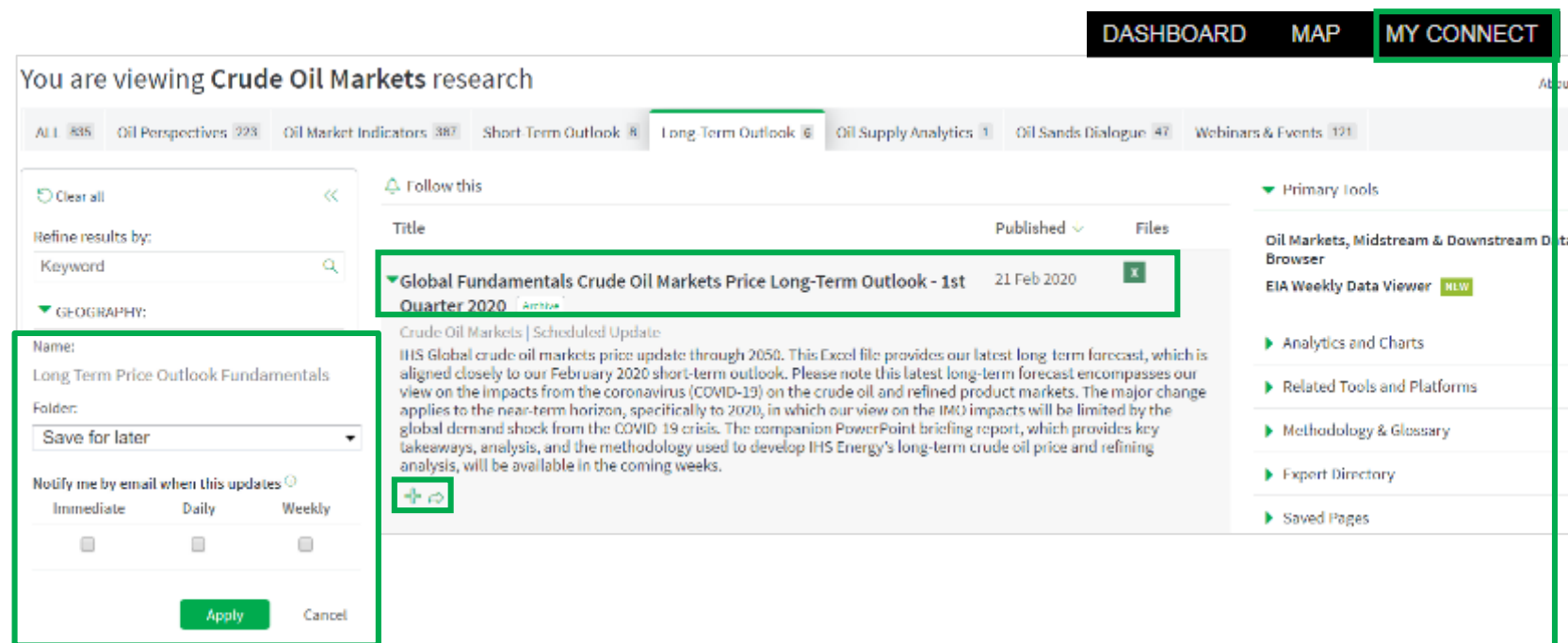
The screenshot shows the IHS Markit 'My Connect' interface. At the top, there are navigation tabs: DASHBOARD, MAP, and MY CONNECT. Below the tabs, a header reads 'You are viewing Crude Oil Markets research based on your selected filters below'. A filter bar shows 'ALL 37', 'Oil Perspectives 13', 'Oil Market Indicators 0', 'Short-Term Outlook 1', 'Long-Term Outlook 2', 'Oil Sands Dialogue 1', and 'Webinars & Events 14'. On the left, a sidebar allows refining results by 'oil prices' and filtering by Geography (Africa, Asia, CIS, Europe, Latin America, Middle East, North America) and Topic & Concept. A 'Follow this' button is highlighted above the results. A 'Follow This Page' dialog box is open, showing fields for Name (set to 'ALL Filtered by Geography, Keyword'), Folder (set to 'Save for later'), and email notification frequency (set to 'Immediate'). The dialog also shows a list of pages being followed, including 'Crude Oil Markets' and 'Crude Oil Markets - Indicators'. On the right, a 'Primary Tools' sidebar lists various tools, with 'Saved Pages' and 'European Oil Prices' highlighted. A green arrow points from the 'European Oil Prices' link to the text below.

Saved pages are placed in **My Connect** and in the **Saved Pages** section for easy retrieval and editing.

Customize Your Deliverables: Save and Follow Documents (for Oil Markets pages)

Save an individual document into **My Connect** and apply an email alert to be notified when that document is updated.

1. Hover over the title of the report and click on the green arrow. 
2. Click on the plus sign that appears at the bottom of the dropdown. 
3. In the **Follow This Publication** box that appears, select the **Save for later folder** or click into the dropdown to create your own folder.
4. Select your email alert preference and click **Apply**.
5. The **Archive** button next to the report title indicates that this is a recurring deliverable and an email alert can be set. Click into this button to group and view the historical reports. 



The screenshot shows the IHS Markit 'Crude Oil Markets' research page. The top navigation bar includes 'DASHBOARD', 'MAP', and 'MY CONNECT'. The 'MY CONNECT' tab is highlighted. Below the navigation bar, the page title is 'You are viewing Crude Oil Markets research'. A dropdown menu is open, showing various categories like 'ALL 835', 'Oil Perspectives 228', 'Oil Market Indicators 387', 'Short-Term Outlook 8', 'Long-Term Outlook 6', 'Oil Supply Analytics 3', 'Oil Sands Dialogue 47', and 'Webinars & Events 121'. The 'Long-Term Outlook 6' category is selected. Below the dropdown, a 'Follow this' section is visible. It contains a table with columns 'Title', 'Published', and 'Files'. The first row is 'Global Fundamentals Crude Oil Markets Price Long-Term Outlook - 1st Quarter 2020', published on '21 Feb 2020'. To the right of the title is a green arrow icon. Below the table, there is a 'Follow This Publication' box. It has a 'Name' field with the value 'Long Term Price Outlook Fundamentals', a 'Folder' dropdown menu with 'Save for later' selected, and a 'Notify me by email when this updates' section with radio buttons for 'Immediate', 'Daily', and 'Weekly'. The 'Immediate' radio button is selected. At the bottom of the box are 'Apply' and 'Cancel' buttons. To the right of the 'Follow This Publication' box, there is an 'Archive' button next to the report title. A green arrow points from the 'Archive' button to the 'MY CONNECT' tab in the top navigation bar.

The folders and saved documents are placed in the **My Connect** section in the top, black menu bar.

Crude Oil Markets

Insight into all aspects of the market, including prices, supply/demand, infrastructure & economics.

Crude Oil Markets - Crude Oil Markets Fundamentals

- **Annual Strategic Workbook (ASW)** – deliverables provide detailed analysis of global production of crude oil, segregated condensate, total liquids and OPEC capacity to 2040. Excel tables and PowerPoint slides provide detailed country-level forecasts of crude oil supply for major producers by year out to 2040. The data is further refined by: forecasts for upstream project start ups, tight oil production, based production, sanctioned and unsanctioned projects, yet to find production, etc. (updated annually)
- **Quarterly Long-Term Price Outlook** - Global crude benchmark price forecast analysis & dataset to 2040
- **Quarterly World Oil Watch** - In-depth written analysis of key issues impacting short-medium term crude markets
- **Monthly Short-Term Price Outlook**-2-year monthly price forecast analysis & dataset for global benchmarks
- **Monthly Market Briefing** - Written analysis expanding upon Monthly Short-Term Price Outlook
- **Monthly Market Analysis & Data** - Short-Term Liquids Supply Demand Balance, OPEC Production, Economic Outlook Data
- **IEA Oil Market Commentary** - Monthly update compares IHS Energy's supply/demand expectations against the IEA outlook; puts forecasts in context
- **Mid-Week Briefing & US DOE Statistics Dashboard** - Dashboard of weekly DOE oil market & refined product statistics supplemented with IHS Energy analysis
- **Weekend Briefing** - Highlights key crude market issues for next two weeks, with key views on price direction
- **Insights & Strategic Reports** - Periodic analysis of critical crude oil market developments
- **Access to experts & core research team worldwide**
- **Data visualization & browsing tool access** – global price, supply, trade & other datasets
- **Regular webcasts & online briefings**
- **Personal invitations to in-person events**

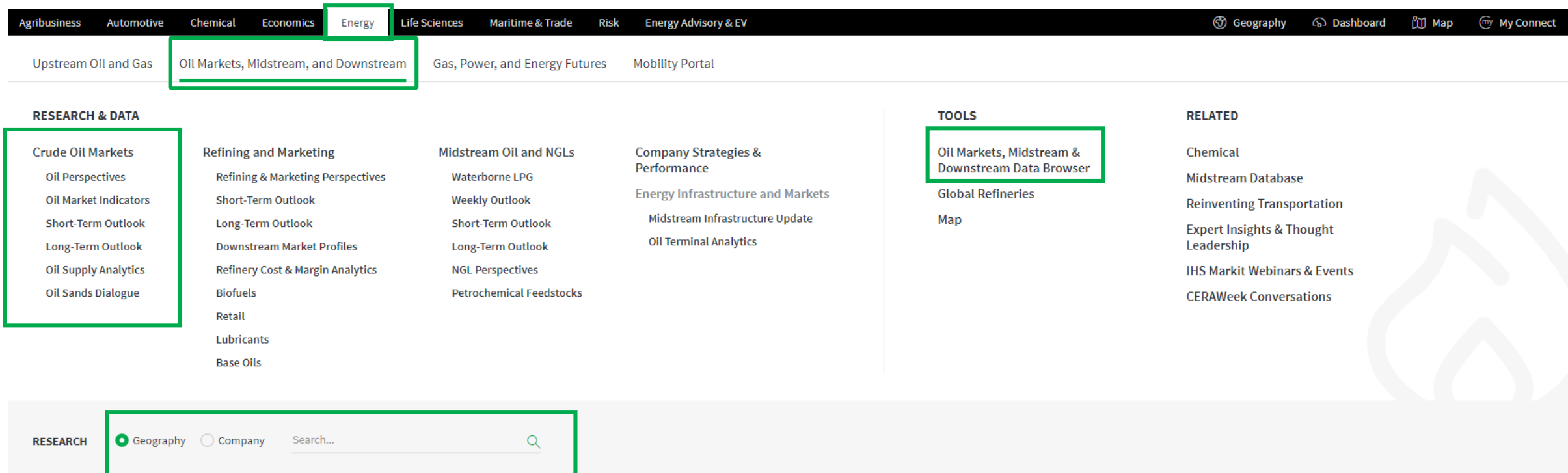
Crude Oil Markets -Asia/ME Crude Oil Markets

- **An exclusive combination of regularly updated oil market data** and forecasts on Asia and Middle Eastern crude oil markets.
- **Covers supply, production, short-term & long-term prices**, infrastructure & economics. Find produced streams data, production forecasts, trade by crude type and stream, as well as crude grade prices and market spreads at both regional and sub-regional level.
- **Asia & Middle East Long Term Crude Balance** - Crude production & trade by type & major stream to 2040.
- **Quarterly Asia & Middle East Long-Term Price Outlook** - Forecast analysis & datasets for crude prices to 2040.
- **Monthly Asia & Middle East Short-Term Outlook** - Two-year monthly price forecast analysis & dataset for Asia & Middle East.
- **Insights & Strategic Reports** - Periodic analysis of critical Asia & Middle East crude oil markets & midstream developments.
- **Access to analysts & core research team** both in-region and in other key locations.
- **Data visualization & browsing tool access – Global and Asia & Middle East price, supply, trade & other datasets.**
- **Regular webcasts & online briefings**
- **Personal invitations to in-person events** - Integrated Energy Research Briefings, Long Term Balance Briefings

Crude Oil Markets in Connect

In Connect, hover over the **Energy** menu > **Oil Markets, Midstream and Downstream** > Click on [Crude Oil Markets](#) topics.

Access the **Oil Markets, Midstream & Downstream Data Browser** tool under **Tools**.



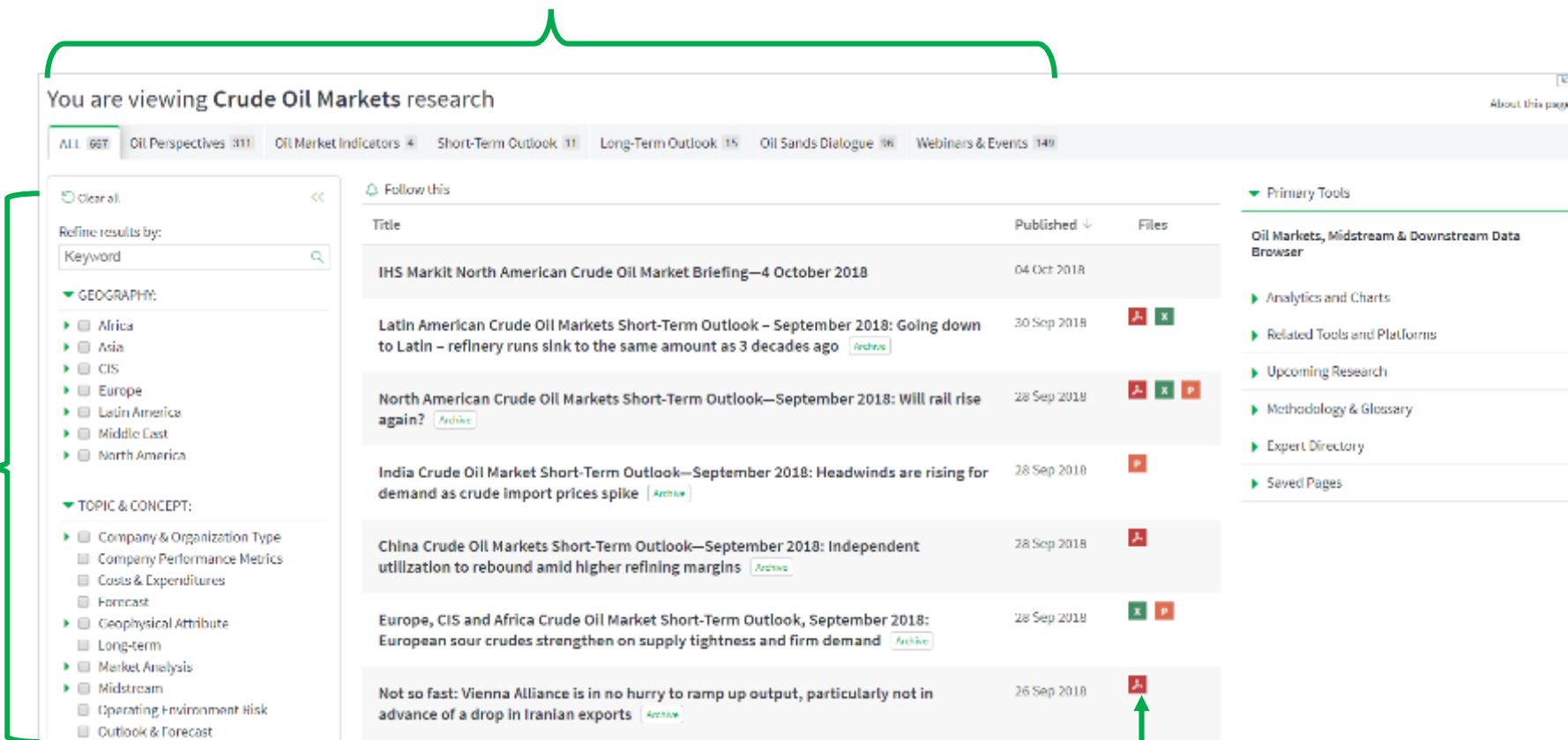
The screenshot displays the IHS Markit Connect interface. At the top, a navigation bar includes categories like Agribusiness, Automotive, Chemical, Economics, **Energy**, Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. Below this, a sub-navigation bar shows 'Upstream Oil and Gas', **Oil Markets, Midstream, and Downstream**, 'Gas, Power, and Energy Futures', and 'Mobility Portal'. The main content area is divided into three sections: 'RESEARCH & DATA', 'TOOLS', and 'RELATED'. In the 'RESEARCH & DATA' section, the 'Crude Oil Markets' category is highlighted, listing sub-topics like Oil Perspectives, Oil Market Indicators, Short-Term Outlook, Long-Term Outlook, Oil Supply Analytics, and Oil Sands Dialogue. The 'TOOLS' section highlights the 'Oil Markets, Midstream & Downstream Data Browser' tool. The 'RELATED' section lists various resources including Chemical, Midstream Database, Reinventing Transportation, Expert Insights & Thought Leadership, IHS Markit Webinars & Events, and CERAWEEK Conversations. At the bottom, a 'RESEARCH' section features a search bar with 'Geography' and 'Company' filters, and a search icon.

Browse research by **Geography** or **Company**.

Oil Markets Research Page

Research and Data are organized within **topical tabs** to instantly narrow down your search.

Keyword search and relevant filter options.



Relevant **Data tools, Charts, and other Resources..**

View and quickly access files.

Crude Oil Markets Topical Tabs on Research Page*

You are viewing **Crude Oil Markets** research

[ALL 255](#)
[Oil Perspectives 313](#)
[Oil Market Indicators 4](#)
[Short-Term Outlook 11](#)
[Long-Term Outlook 17](#)
[Oil Sands Dialogue 25](#)
[Webinars & Events 153](#)

Oil Perspectives	Oil Market Indicators	Short-Term Outlook	Long-Term Outlook	Oil Sands Dialogue	Webinars & Events
Periodic in-depth analysis pieces	US EIA Weekly Commentary Oil Market Briefing Commitment of Traders Report	Short-Term Outlooks (Global, Asia/Middle East, India, China) OPEC Oil Production Data World Oil Watch Saudi Aramco Ship-loading OSPs	Long-Term price outlooks (Global and Asia/Middle East) Crude Oil Markets Annual Strategic Workbooks (Global Fundamentals and Asia/Middle East) Crude Oil and Condensate Trade	Public Special Reports Western Canadian Insights Calgary Crude Quarterly Presentations.	Periodic event & webinar materials.

*This is an example of key research deliverables. More research is available on this page in Connect.

Oil Markets, Midstream & Downstream Data Browser

You are viewing **Crude Oil Markets** research

ALL 1694 Oil Perspectives 313 Oil Market Indicators 1 Short Term Outlook 11 Long Term Outlook 15 Oil Sands Dialogue 98 Webinars & Events 153

Clear all Refine results by: Keyword GEOGRAPHY: I follow this Title Published Files

Primary Tools

Oil Markets, Midstream & Downstream Data Browser

Selling off: Coping with stock market 24 Oct 2018

Query

Dataset: Oil Markets, Midstream & Downstream Search...

✓ Concept ✓ Geography ✓ Product ✓ Frequency Unit Total Filters Selected 44

Concept 44 Search ... Geography Search ... Product Search ... Frequency Search ...

SELECT ALL CLEAR ALL [←] Crude Oil Metrics

Filter options to customize your search.

Crude Oil

Crude Prices

Crude Trade

Condensate Trade

API Regional data

Sulfur Regional data

Crude Production

Crude Trade Subregions - North America

Annual

Quarterly

Monthly

Click here to run the search.

VIEW RESULTS

Click here to export data into static, refreshable file or CSV.

EXPORT...

Search results (9737)

ADD TO WORKBOOK: 0 SAVE AS... EXPORT...

Switch to Overview Show Preview Manage Table... Jan 2015 - Jan 2025

Annual Quarterly Monthly

Crude Oil Markets Analytics & Charts

You are viewing **Crude Oil Markets** research About this page

ALL 884 Oil Perspectives 313 Oil Market Indicators 4 Short-Term Outlook 11 Long-Term Outlook 15 Oil Sands Dialogue 88 Webinars & Events 153

Clear all <<

Refine results by:

Keyword

GEOGRAPHY:

- Africa
- Asia

Follow this

Title	Published	Files
Selling off: Coping with stock market jitters and more news from Saudi Arabia just ahead of full Iran sanctions Archive	24 Oct 2018	
US EIA Weekly Comment on Crude stocks	24 Oct 2018	

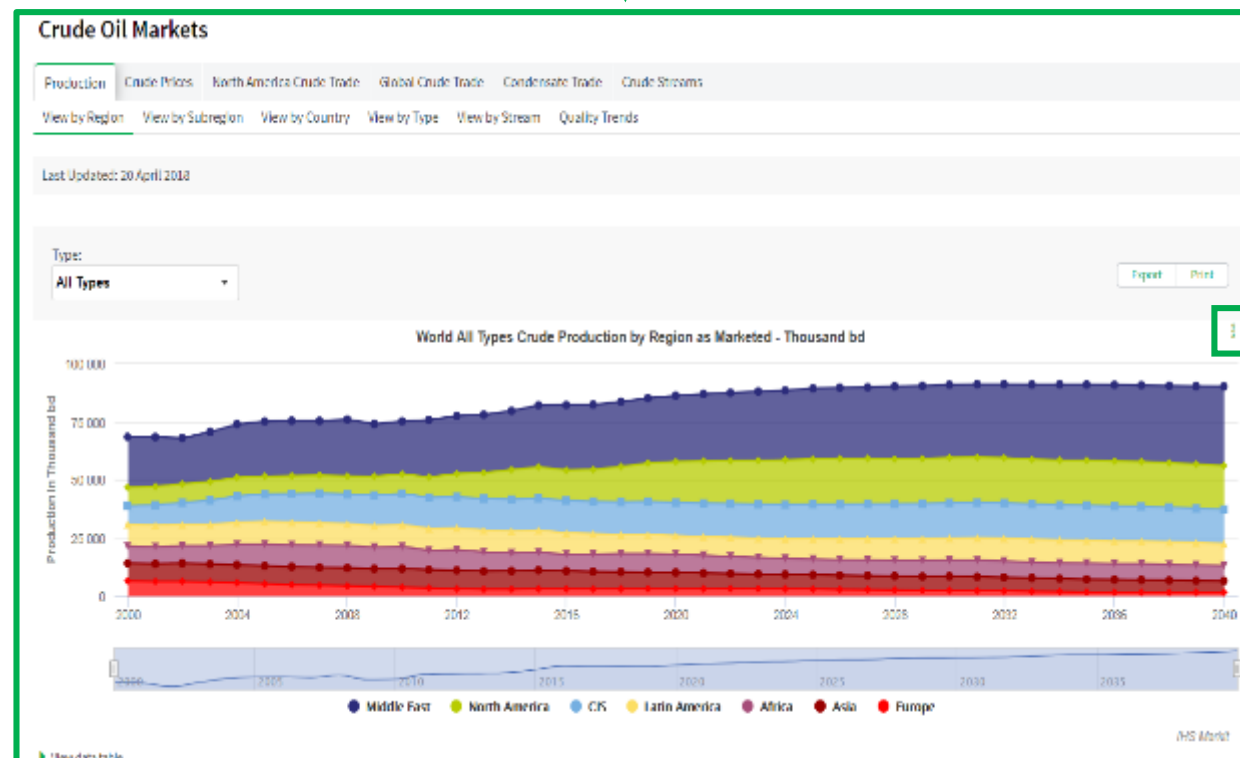
Primary Tools

Oil Markets, Midstream & Downstream Data Browser

Analytics and Charts

Crude Oil

In the **Analytics and Charts** section, click on **Crude Oil** to visualize, customize, and filter data by Production, prices, trade and Crude streams.



Click on the 3-dot menu to export to PDF, Excel or PPT.

Refining & Marketing

Insight into all aspects of the market, including prices, supply/demand, infrastructure & economics.

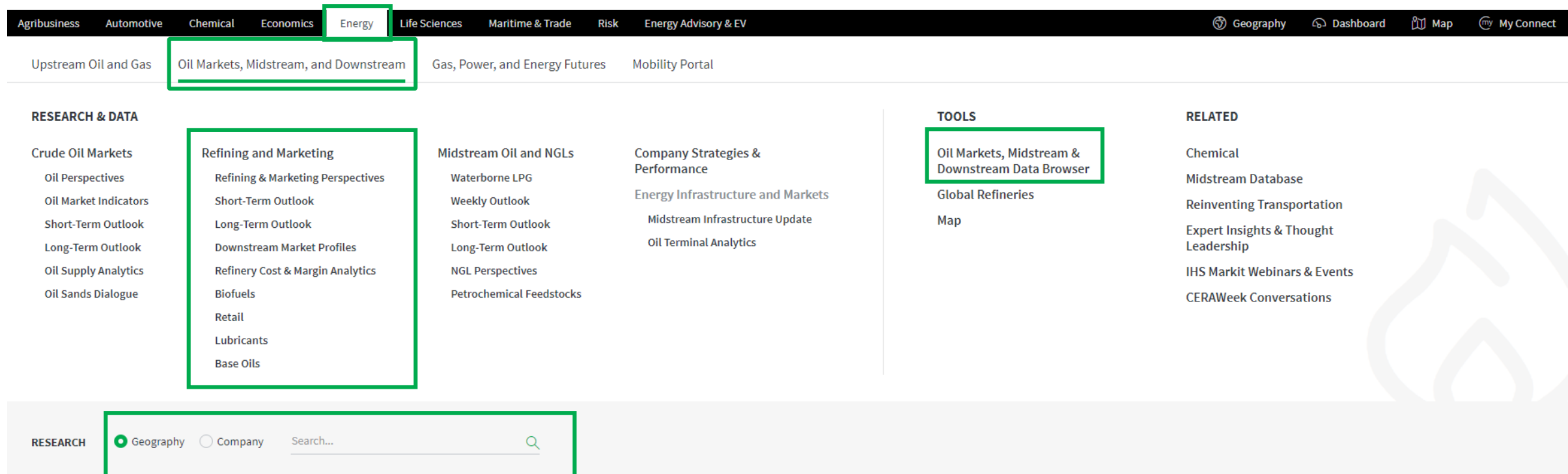
Refining & Marketing Fundamentals

Global Coverage by Region

- **Authoritative analysis on global refining**, refined product markets & retail prices & margins. Detailed data & insight on supply/ demand by product (naphtha, gasoline, diesel, jet fuel, fuel oil), operating utilization, projects/capacity rationalization, & prices/margins.
- **Refining and Products Market Annual Strategic Workbook** deliverables (presentation and database) provide detailed long-term outlooks (25 years) for crude oil refining & refined product supply, demand, trade and pricing- coverage includes global overview by region/country 2016-2040 on: project cost, refinery investment announcement and future requirements, installed base cost, refining capacity (existing and announced), refinery investment announcements and future requirements, existing & announced capacity, announced refinery Capex additions by year, refined product supply & demand, crude oil production by region – see link below to access data base and presentation (updated annually). Biofuels outlook is also covered (updated annually).
- **Quarterly Long-Term Price Outlook** -refining and marketing price update through 2040.
- **Monthly Short-Term Price Outlook** - 2-year monthly price forecast analysis & dataset global refined products, new Fundamentals Short-Term Outlook slide deck
- **Regular Refinery Status Reports** - Review of global refinery capacity, rationalization & planned closures
- **Monthly Gasoline/Diesel Demand, Prices /Margins** - Demand 40+ countries, retail prices/margins 55+ countries
- **Mid-Week Briefing & US DOE Statistics Dashboard** - Dashboard of weekly DOE oil market & refined product statistics supplemented with IHS Energy analysis
- **Insights & Strategic Reports** - Periodic analysis of critical global refined product markets
- **Access to experts & core research team worldwide**
- **Data visualization & browsing tool access – global supply/price/trade**
- **Personal invitations to in-person events- Energy Briefings, Annual Strategic Workbook Briefings**

Refining and Marketing in Connect

In Connect, hover over the **Energy** menu > **Oil Markets, Midstream and Downstream** > Click on [Refining and Marketing](#) topics. Access the **Oil Markets, Midstream & Downstream Data Browser** tool under **Tools**.



The screenshot displays the IHS Markit Connect website interface. The top navigation bar includes categories like Agribusiness, Automotive, Chemical, Economics, Energy, Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. The 'Energy' menu is highlighted, and its sub-menu 'Oil Markets, Midstream, and Downstream' is also highlighted. Below this, the 'RESEARCH & DATA' section is visible, with 'Refining and Marketing' highlighted. The 'TOOLS' section on the right shows 'Oil Markets, Midstream & Downstream Data Browser' highlighted. The 'RELATED' section lists various topics like Chemical, Midstream Database, and Reinventing Transportation. At the bottom, the 'RESEARCH' section shows filters for Geography and Company, with a search bar.

Agribusiness **Automotive** **Chemical** **Economics** **Energy** **Life Sciences** **Maritime & Trade** **Risk** **Energy Advisory & EV** **Geography** **Dashboard** **Map** **My Connect**

Upstream Oil and Gas **Oil Markets, Midstream, and Downstream** Gas, Power, and Energy Futures Mobility Portal

RESEARCH & DATA

Crude Oil Markets

- Oil Perspectives
- Oil Market Indicators
- Short-Term Outlook
- Long-Term Outlook
- Oil Supply Analytics
- Oil Sands Dialogue

Refining and Marketing

- Refining & Marketing Perspectives
- Short-Term Outlook
- Long-Term Outlook
- Downstream Market Profiles
- Refinery Cost & Margin Analytics
- Biofuels
- Retail
- Lubricants
- Base Oils

Midstream Oil and NGLs

- Waterborne LPG
- Weekly Outlook
- Short-Term Outlook
- Long-Term Outlook
- NGL Perspectives
- Petrochemical Feedstocks

Company Strategies & Performance

Energy Infrastructure and Markets

- Midstream Infrastructure Update
- Oil Terminal Analytics

TOOLS

Oil Markets, Midstream & Downstream Data Browser

Global Refineries

Map

RELATED

Chemical

Midstream Database

Reinventing Transportation

Expert Insights & Thought Leadership

IHS Markit Webinars & Events

CERAWeek Conversations

RESEARCH

☒ Geography ☐ Company Search...

Browse research by **Geography** or **Company**.

Refining and Marketing Research Page

Research and Data are organized within **topical tabs** to instantly narrow down your search.

You are viewing Refining and Marketing research About this page

Topical Tabs: All (289), Refining & Marketing Perspectives (165), Short-Term Outlook (10), Long-Term Outlook (4), Downstream Market Profiles (0), Refinery Cost & Margin Analytics (0), Retail (63), Lubricants (0), Webinars & Events (71)

Left Sidebar (Keyword search and relevant filter options):

- Clear all
- Refine results by: Keyword
- GEOGRAPHY:**
 - Africa
 - Asia
 - CIS
 - Europe
 - Latin America
 - Middle East
 - North America
- TOPIC & CONCEPT:**
 - Company & Organization Type
 - Costs & Expenditures
 - Deepwater
 - Downstream
 - Facilities & Operations

Follow this

Title	Published ↓	Files
US EIA Weekly Commentary: US crude, motor gasoline, and distillate stocks decline Archive	23 Oct 2019	
Weekly Refining Indicator Report - 21 October 2019 Archive	21 Oct 2019	
Global Retail Fuel Price and Margin Data Manager	16 Oct 2019	
IHS Markit Webinar: The Gulf Coast spot market: Understanding the hub of US refining	15 Oct 2019	
'IMO 2020' - The Global Bunker Fuel Sulfur Cap: 3rd Quarter 2019 Update	30 Sep 2019	
Global Fundamentals Refining and Marketing	30 Sep 2019	

Right Sidebar (Relevant Data tools, Charts, and other Resources..):

- Primary Tools**
 - Oil Markets, Midstream & Downstream Data Browser
 - EIA Weekly Data Viewer **NEW**
- Analytics and Charts**
- Refining and Products**
 - Fuel Retail
- Related Tools and Platforms**
- Methodology & Glossary**
- Research a Geography**
- Expert Directory**
- Saved Pages**

View and quickly access files.

Refining and Marketing Topical Tabs on Research Page*



Refining & Marketing Perspectives	Short-Term Outlook	Long-Term Outlook	Downstream Country Profiles	Retail	Webinars & Events
Periodic in-depth analysis pieces	Global Refinery Rationalization Update	Global Long-term price update	Downstream Country Profiles (Africa)	Global Fuel Demand & Price & Margin Data Managers	Periodic event & webinar materials
	US EIA Weekly Commentary	Refining & Marketing Annual Strategic Workbook (Fundamentals)		Periodic in-depth fuel retail analysis pieces	
	'IMO 2020': The Global Bunker Fuel Sulfur Cap Quarterly Update				

*This is an example of key research deliverables. More research is available on this page in Connect.

Oil Markets, Midstream & Downstream Data Browser

You are viewing **Crude Oil Markets** research

ALL 1694 Oil Perspectives 313 Oil Market Indicators 4 Short Term Outlook 11 Long Term Outlook 15 Oil Sands Dialogue 98 Webinars & Events 153

Clear all Refine results by: Keyword GEOGRAPHY: I follow this Title Published Files

Primary Tools

Oil Markets, Midstream & Downstream Data Browser

Selling off: Coping with stock market 24 Oct 2018

Query

Dataset: Oil Markets, Midstream & Downstream Search...

✓ Concept ✓ Geography ✓ Product ✓ Frequency Unit Total Filters Selected 44

Concept 44 Search ... Geography Search ... Product Search ... Frequency Search ...

SELECT ALL CLEAR ALL [←] Filter options to customize your search.

Crude Oil
Crude Prices
Crude Trade
Condensate Trade
API Regional data
Crude Trade Subregions - North America

Annual
Quarterly
Monthly

Refining and Products Metrics

Click here to run the search.

VIEW RESULTS

Search results (9737)

ADD TO WORKBOOK: 0 SAVE AS... EXPORT...

Switch to Overview Show Preview Manage Table... Jan 2015 - Jan 2025

Annual Quarterly Monthly

Click here to export data into static, refreshable file or CSV.

The **Data Browser** tool allows you to query for specific data, create charts, and download refreshable Excel files.

Global Gas and LNG

Critical insight on supply, demand and price trends across global markets.

Global Gas: North America

- **Natural Gas Monthly Briefing** - A report summarizing the short-term market drivers and trends, and accompanying data set with forecasts to 2040 for natural gas monthly pricing (Henry Hub and 29 key pricing points), storage, supply / demand balances, pipeline flows, and play-level unit cost, production, and drilling activity.
- **Regional Natural Gas Profiles** - Individual reports summarizing regional markets and accompanying data set with corresponding supply / demand balances.
- **US Natural Gas Weekly Storage Briefing** - Provides a short-term (two-week) outlook for US lower-48 storage injections and withdrawals outlook and discusses the impact on natural gas prices.
- **Eastern US and Canada Pipeline Expansion Database** - A listing of pipeline expansion projects that have been announced in the US Northeast, Midwest, and Southeast/US Gulf Coast regions and in eastern Canada. For each project, the database includes key details, such as estimated capital costs, project scope (e.g., additional pipeline and/or compression), and transportation capacity costs.
- **Natural Gas Watch** - A report summarizing the market outlook to 2025.
- **Natural Gas Long-term Outlook** - A report summarizing the market outlook to 2040.

Global Gas: Europe

- **European Gas Watch** - Annual, provides insight on the key business trends and critical issues affecting the European gas market to 2035, with focus on key long-term strategic implications
- **European Storage Watch** - Annual, analyzes storage utilization and outlook to 2035
- **European Gas Hub Tracker** - Semi-Annual, Analyzes traded volumes and liquidity at main trading points and provides insight into regulatory and other changes affecting liquidity. Market outlook to 2040.
- **Competitive Fuel Price Report** - Quarterly, assessing the trends that are influencing the current and future outlooks for gas, coal, oil and oil products. Alongside are price forecasts for gas including 10 traded markets and 10 import price indices
- **Retail Price Tracker** - Semi-Annual, provides summary of end-user prices in key markets
- **European Gas Supply and Demand Tracker** - Monthly, provides 5 year forecasts on market fundamentals and commentary on short-term to medium-term market drivers
- **European Storage Tracker** - Monthly, provides insight on storage levels by country
- **Market and Regional Briefings** - Quarterly, provide analysis for major markets and five year outlook for prices, supply/demand balance, capacity margins and plant retirements/additions
- **Workshops** - Semi-Annual, held in spring and fall with special deliverable produced for each workshop
- **Competitive Fuel Price Report** – Quarterly

Global Gas: Latin America

- **Natural gas market fundamentals report** - Report that analyzes project pipelines, market updates while breaking down trends underlying each market's midterm outlook, as well as regional trade and LNG imports.
- **Midterm outlooks** - Natural gas outlooks for production, import/export levels, and end user demand.
- **Natural gas price report** - Report with natural prices (historical and outlooks) outlining relevant inputs with key highlights and implications.
- **Strategic and insight reports** - Strategic research reports covering topics relevant for strategic decision-making processes
- **Natural gas country profiles** - Individual country profiles covering policy, economic trends, market fundamentals, market structure, regulatory framework in the natural gas sector
- **Webinars** - Interactive sessions with IHS Markit researchers on breaking events of importance to the market. It provides our vision and analysis regarding the implications to our stakeholders while providing a forum for questions.

Global Gas: China

- **Natural Gas Data Tables** - Monthly domestic gas production volumes, China's gas import/export volumes and values by country, annual provincial gas demand, pipeline length, and population connected to the gas grid, and five-year supply and demand outlooks.
- **Natural Gas Price Data Table** - Regulated citygate prices by province and retail prices by sector in key cities, monthly gas import price by port, and monthly wholesale LNG prices.
- **Natural Gas Quarterly Market Briefing** - Analysis of recent changes in the natural gas market fundamentals and policy development during the previous quarter, and assumptions behind five-year supply and demand outlooks.
- **National Gas Supply Outlook by Basin** - Supply volume and cost for conventional, coalbed methane, and shale gas by basin, coal-based synthetic natural gas by province, and pipeline and LNG imports through 2040.
- **Provincial Gas Demand Outlook by Sector** - Provincial level gas demand outlook by sector (industrial, feedstock, power generation, district heating, commercial, residential, transport, and others) through 2040.
- **Long-term Citygate Gas Price Outlooks** - Citygate gas price outlooks in key provinces through 2040.
- **Long-term Industrial Retail Gas Price Outlooks** - Regulated industrial retail gas price outlook in key provinces through 2040.
- **Small Land-based Liquefaction Watch** - Annual updates of capacity addition at the provincial level, trends in utilization rates and prices, and analysis on recent market developments and policies impacting small liquefaction business.
- **Regional Regasification Outlooks: North, Central, South** - Regional regasification outlook by terminal and LNG procurement strategies analysis by key players.

Global Gas: South and Southeast Asia

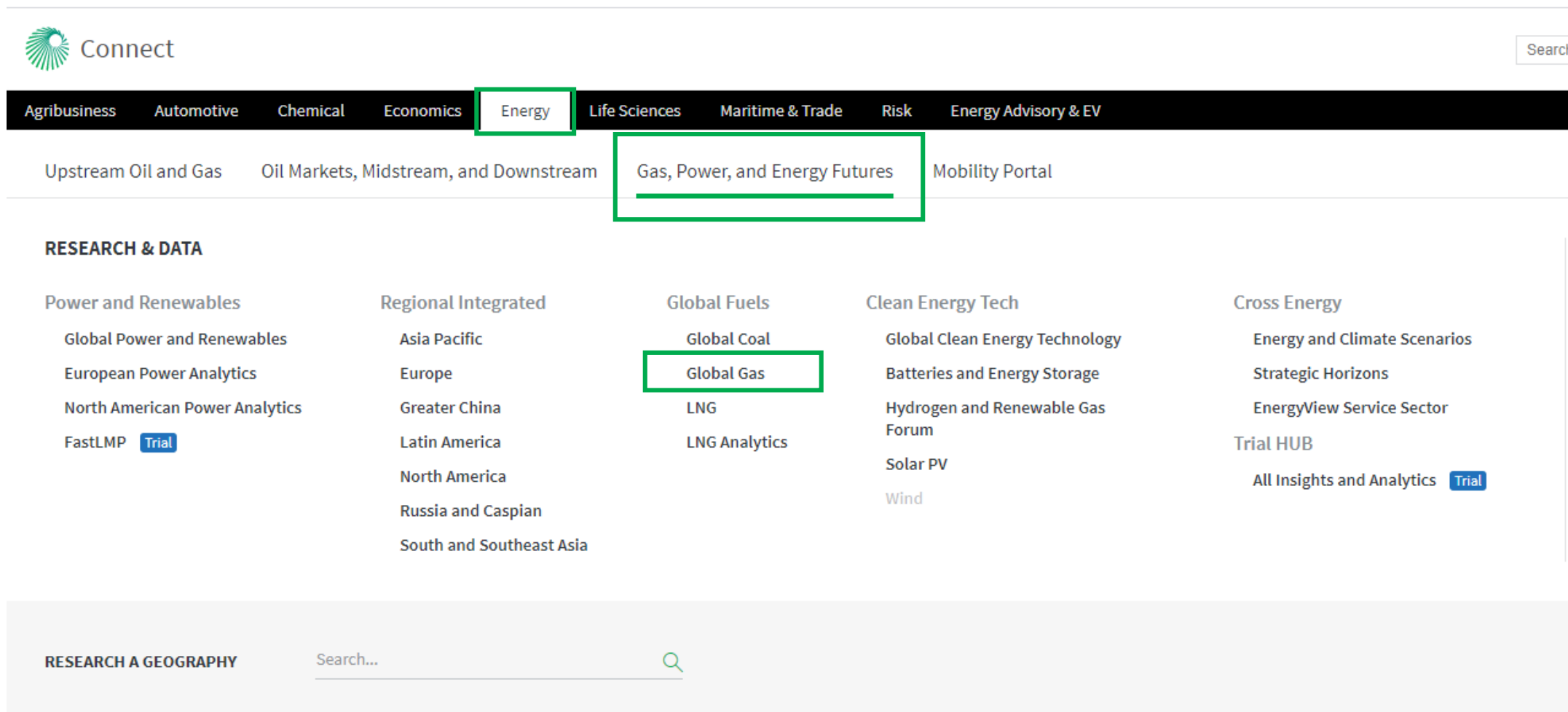
- **India Natural Gas Monthly Data Tables** - Data on historical monthly gas supply by source, production by player, LNG imports, demand by sector, gas-fired power capacity and generation by region, and gas pricing. Annual outlooks for LNG regasification capacity to 2020, and gas supply and demand to 2030.
- **India Natural Gas Quarterly Market Briefing** - The India Natural Gas Market Briefing Third Quarter 2016 provides a quarterly update of recent trends in gas supply, demand, and pricing as well as a review of recent policy and regulatory changes for the gas market.
- **India Regasification Outlook** - This report provides analysis on developments in LNG regasification by terminal and developer, including expected timelines for project start and key drivers/ risks of each project.
- **India Natural Gas Market Report and Data Tables** - This report provides detailed analysis of developments in India's natural gas sector and an outlook to 2030. Sections of the report include: Market overview and structure, Supply by source, Demand by sector, Infrastructure, Pricing, and Market outlook.
- **Pakistan Natural Gas Market Report and Data Tables** - The report covers the country's natural gas sector, including market structure, supply, demand, infrastructure, pricing, and outlooks.
- **Bangladesh Natural Gas Market Report and Data Tables** - The report covers the country's natural gas sector, including market structure, supply, demand, infrastructure, pricing, and outlooks.
- **Webinars** - Interactive presentation with IHS Markit experts providing analysis on recent market events, policy changes, and implications

Global Gas: Russian and Caspian

- **Country Attractiveness Index (Russia and Caspian only)** - Annual, rankings based on policy environment, resource, permitting, market maturity, price competition and country risk.
- **Regional Half-Year Updates** - Semi-Annual, a dashboard for Russia and Caspian region, tracking key metrics including policy and development trends.
- **Russia Watch** - Semi-Annual, features medium-term outlook for drivers of oil, gas, power and investment issues in Russia.
- **Caspian Watch** - Annual, features medium-term outlook for drivers of oil, gas, power and investment issues in the Caspian region.
- **Eurasia Oil Export Outlook report** - Semi-Annual, report consists of an excel model containing historical data and outlooks to 2030 based on different scenarios.
- **Eurasian Gas Export Outlook Report** - Semi-Annual, details gas production, consumption and exports from the Eurasian region with Outlooks to 2035.
- **Strategic Reports** - Periodic, provide insight on issues impacting the Russian and Caspian energy markets.
- **On Points and Market Briefs** - Periodic, Executive briefings analyzing recent market developments.
- **Summits** - Semi-Annual, focused on Eurasian oil and gas transportation issues.

Global Gas in Connect

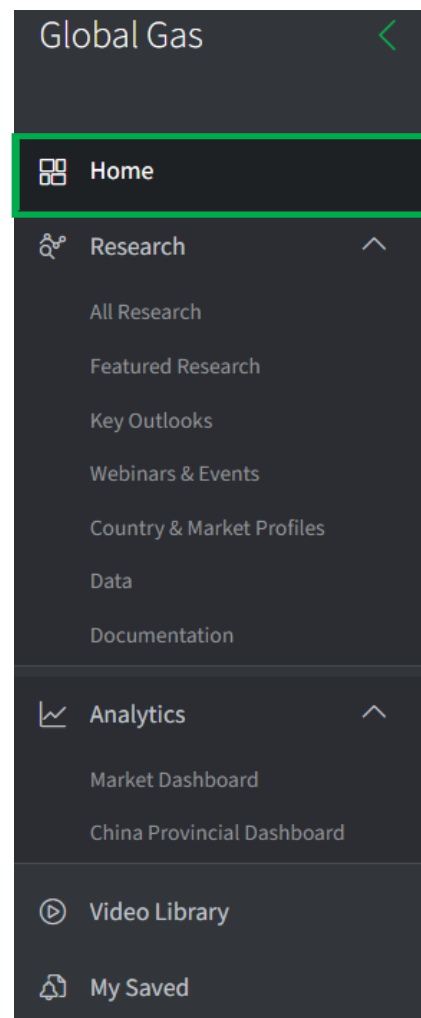
In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [Global Gas](#).



The screenshot shows the IHS Markit Connect website interface. At the top, the 'Connect' logo is on the left and a search bar is on the right. Below the logo is a horizontal navigation bar with the following categories: Agribusiness, Automotive, Chemical, Economics, **Energy**, Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. The 'Energy' category is highlighted with a green box. Below this bar, there are four sub-categories: Upstream Oil and Gas, Oil Markets, Midstream, and Downstream, **Gas, Power, and Energy Futures**, and Mobility Portal. The 'Gas, Power, and Energy Futures' category is highlighted with a green box. Below these categories is a section titled 'RESEARCH & DATA'. This section is divided into five columns: Power and Renewables, Regional Integrated, Global Fuels, Clean Energy Tech, and Cross Energy. Under 'Global Fuels', the 'Global Gas' link is highlighted with a green box. At the bottom of the page, there is a search bar with the text 'RESEARCH A GEOGRAPHY' and a magnifying glass icon.

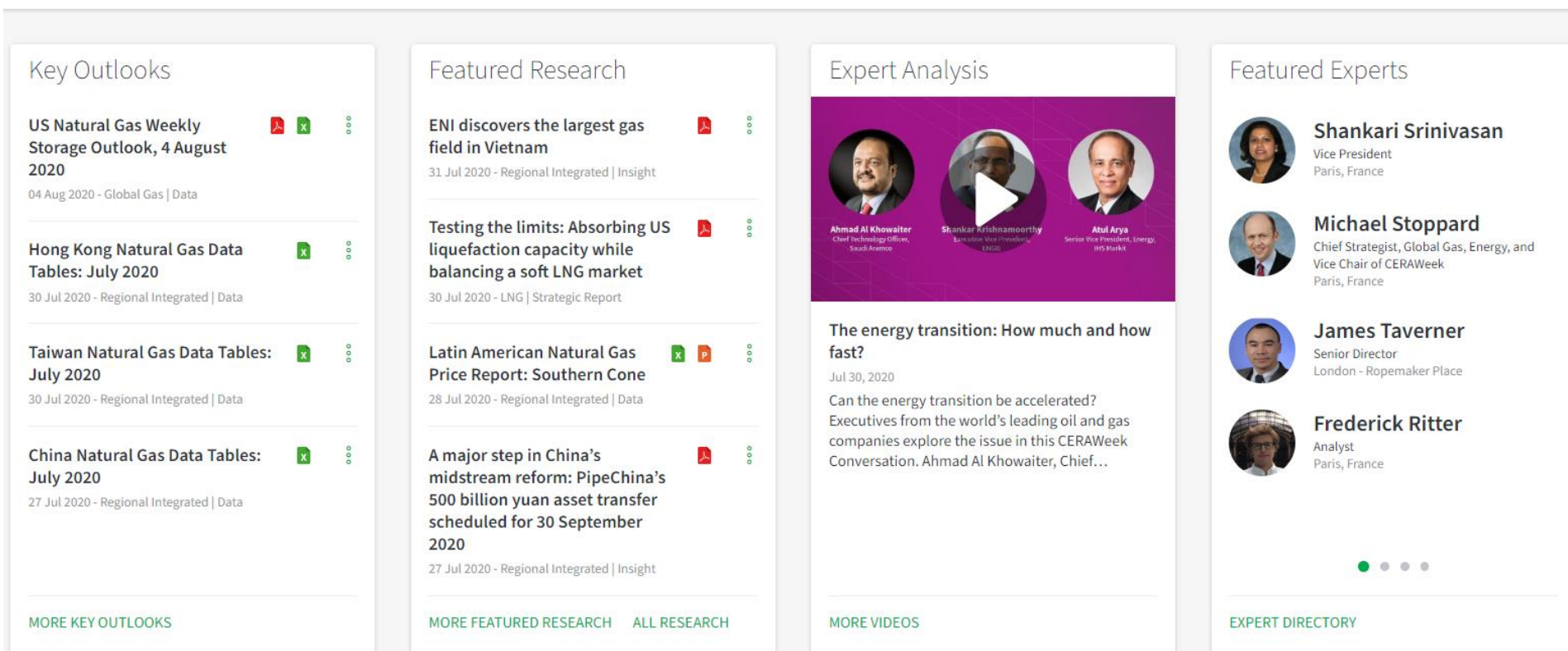
Gas Markets Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.



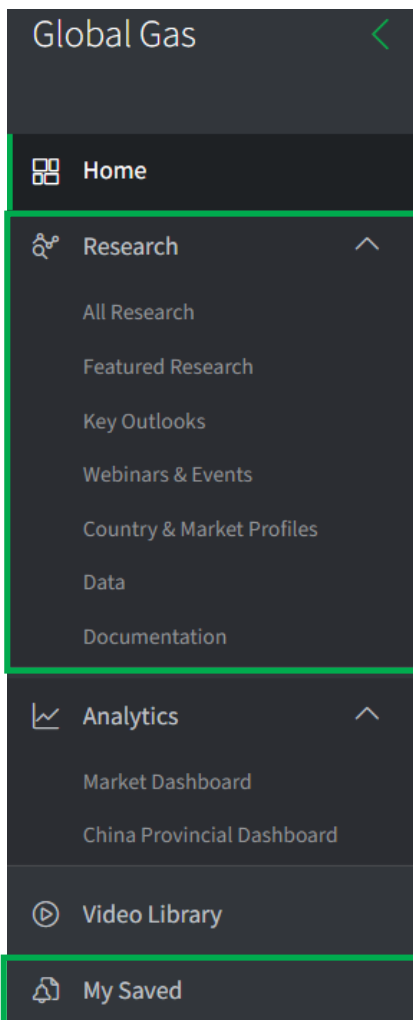
The **Home** page displays various widgets for **Key Outlooks**, **Featured Research**, **Expert Analysis**, **Featured Experts**, **key data visualization**, and more.

Home

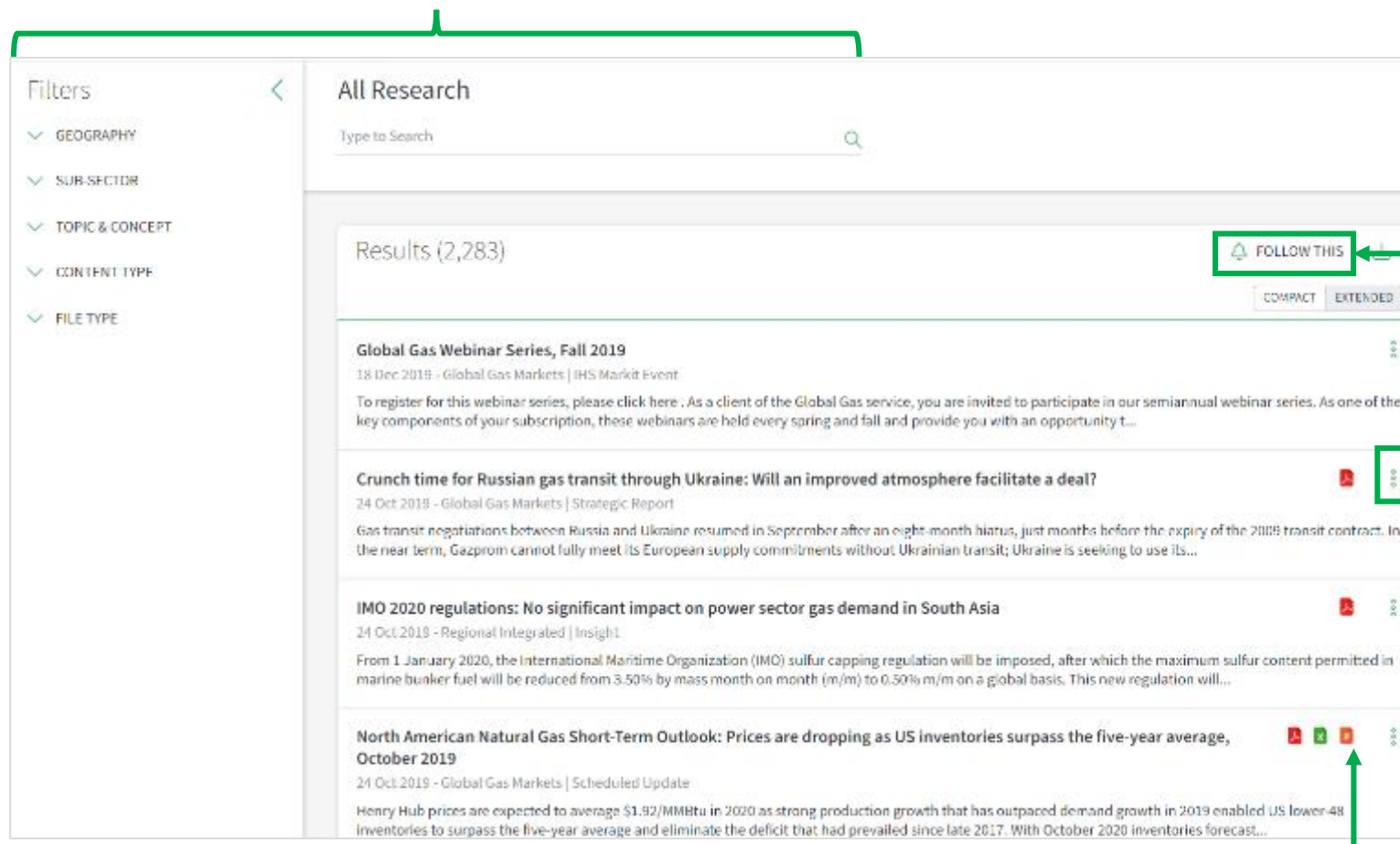


Global Gas Markets Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **Global Gas** research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

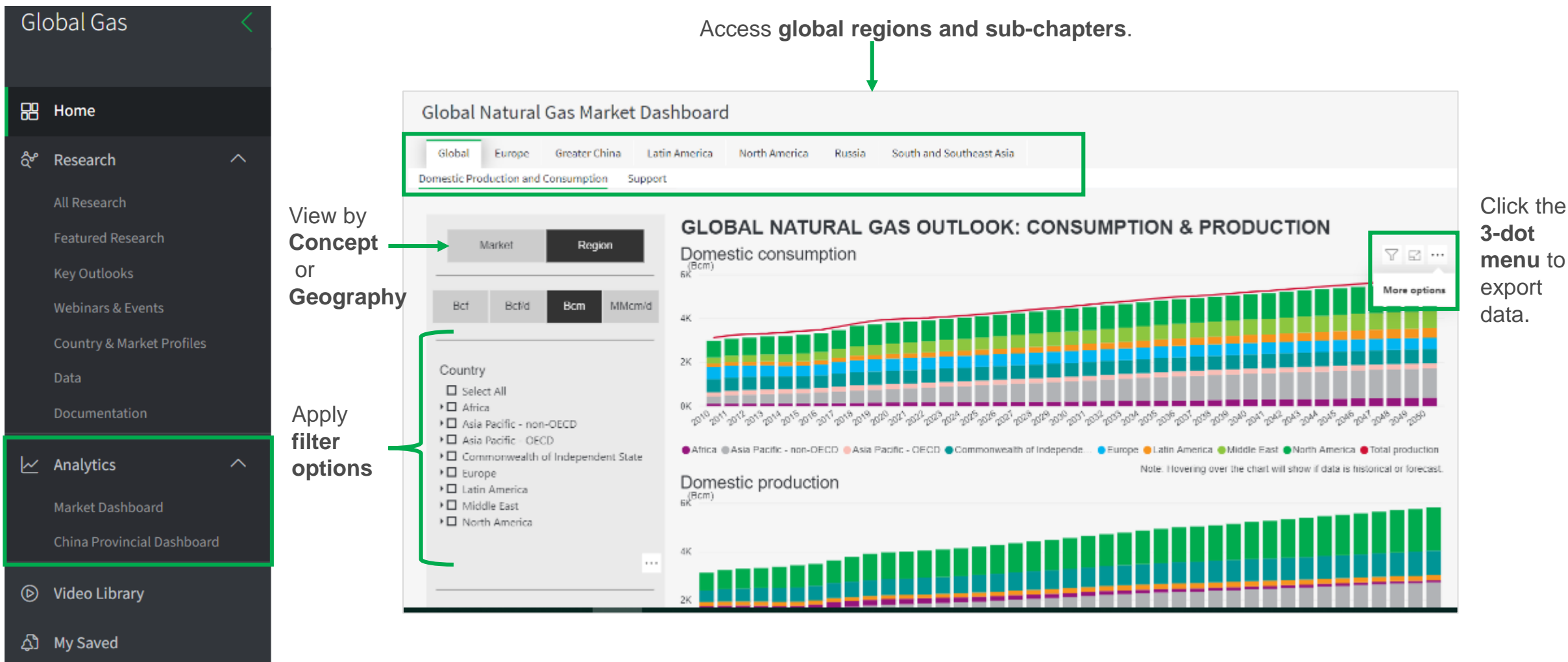
Save an individual document, and **share** with colleagues.

Saved content appears in **My Saved** (in the left hand rail).

View and access **files** quickly.

Global Gas Markets Analytics

Use the left-hand rail to click on **Analytics** topics to customize and visualize related data.



LNG

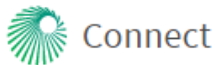
- **Monthly Market Briefing** - Comprehensive and integrated analysis of key drivers for supply, demand, trade and pricing; near-term (24 months) forecast of global balances, includes **Short-Term Tracker** graphs and data.
- **LNG Demand, Shipping and Liquefaction Outlooks** - Insights into key drivers of forecasts.
- **Topical Analysis** - Floating LNG, LNG in Transportation, Floating Regasification, etc.
- **Scenarios** - Detailed demand and liquefaction capacity forecasts to 2040 for the three IHS global energy scenarios, updated annually.
- **Long-Term Tracker** - Quarterly look at the last three months of market events impact on long-term balances.
- **Liquefaction** - Highly granular liquefaction project profiles (110+) updated 2-4x year; quarterly liquefaction outlook focusing on key contracting and engineering milestones.
- **Regasification** - Annual country regasification outlooks (20+) analyzing drivers of regasification investment; biannual floating regasification outlook; utilization analysis by terminal/country.
- **Markets** - Detailed country profiles (31) updated 3-4x year with supporting data updated monthly; quarterly outlook with market-by-market appraisal of supply/demand drivers; annual LNG supply/demand gap by country.
- **Trade** - Quarterly regional analysis (Global, Americas, Europe, Asia Pacific/Middle East) plus an annual report on global trade; historical bilateral trade data.
- **Company Strategies** - Company profiles (20) analyzing LNG value chain portfolios updated annually.
- **Strategy Assessments** - Reviews corporate, regional, and operational strategies of 50 companies and examines investment activity along the value chain and in different regions.
- **Data Sheets** - Provides company data on operations throughout the value chain, structured and formatted for easy use.
- **Highlights** - Reports the most important recent events and decisions in each company's gas business.

LNG Continued

- **Monitors-** Analysis of companies' positioning in key sectors of global gas markets. Regularly updated reports cover investments in North American shale gas and proposed long-haul gas pipelines.
- **Strategic Memos-** Address key gas trends and how they influence companies.
- **Midstream gas project data and maps-** Weekly updated data sheets and maps of liquefaction, regasification, and gas-to-liquids (GTL) projects. Includes portfolio data and benchmarking.
- **LNG Import and Export Volumes-** Monthly import and re-export volumes by importing country/terminal, exporting country.
- **Voyage-Specific Commercial Data-** Featuring spot shipment identification, buyer/seller, charter information, pricing.
- **Activity Alerts-** Port-specific notifications as new shipments are identified, alerts of marketplace activity.
- **Expert Analysis-** Time-sensitive identification of emerging trends in the data and commercial intelligence.
- **LNG Production Tracker-** Monthly LNG production by country vs. nameplate capacity, monitor liquefaction plant status.

LNG in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [LNG](#).




AgribusinessAutomotiveChemicalEconomics**Energy**Life SciencesMaritime & TradeRiskEnergy Advisory & EV

Upstream Oil and GasOil Markets, Midstream, and Downstream**Gas, Power, and Energy Futures**Mobility Portal

RESEARCH & DATA

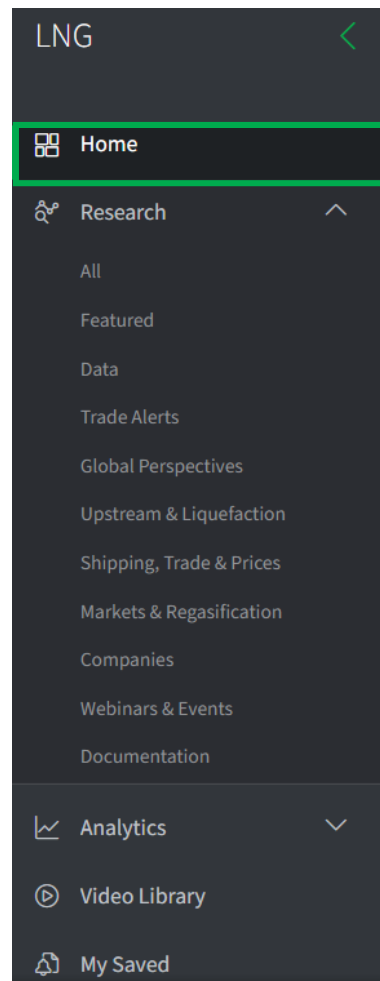
Power and Renewables Global Power and Renewables European Power Analytics North American Power Analytics FastLMP Trial	Regional Integrated Asia Pacific Europe Greater China Latin America North America Russia and Caspian South and Southeast Asia	Global Fuels Global Coal Global Gas LNG LNG Analytics	Clean Energy Tech Global Clean Energy Technology Batteries and Energy Storage Hydrogen and Renewable Gas Forum Solar PV Wind	Cross Energy Energy and Climate Scenarios Strategic Horizons EnergyView Service Sector Trial HUB All Insights and Analytics Trial
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RESEARCH A GEOGRAPHY

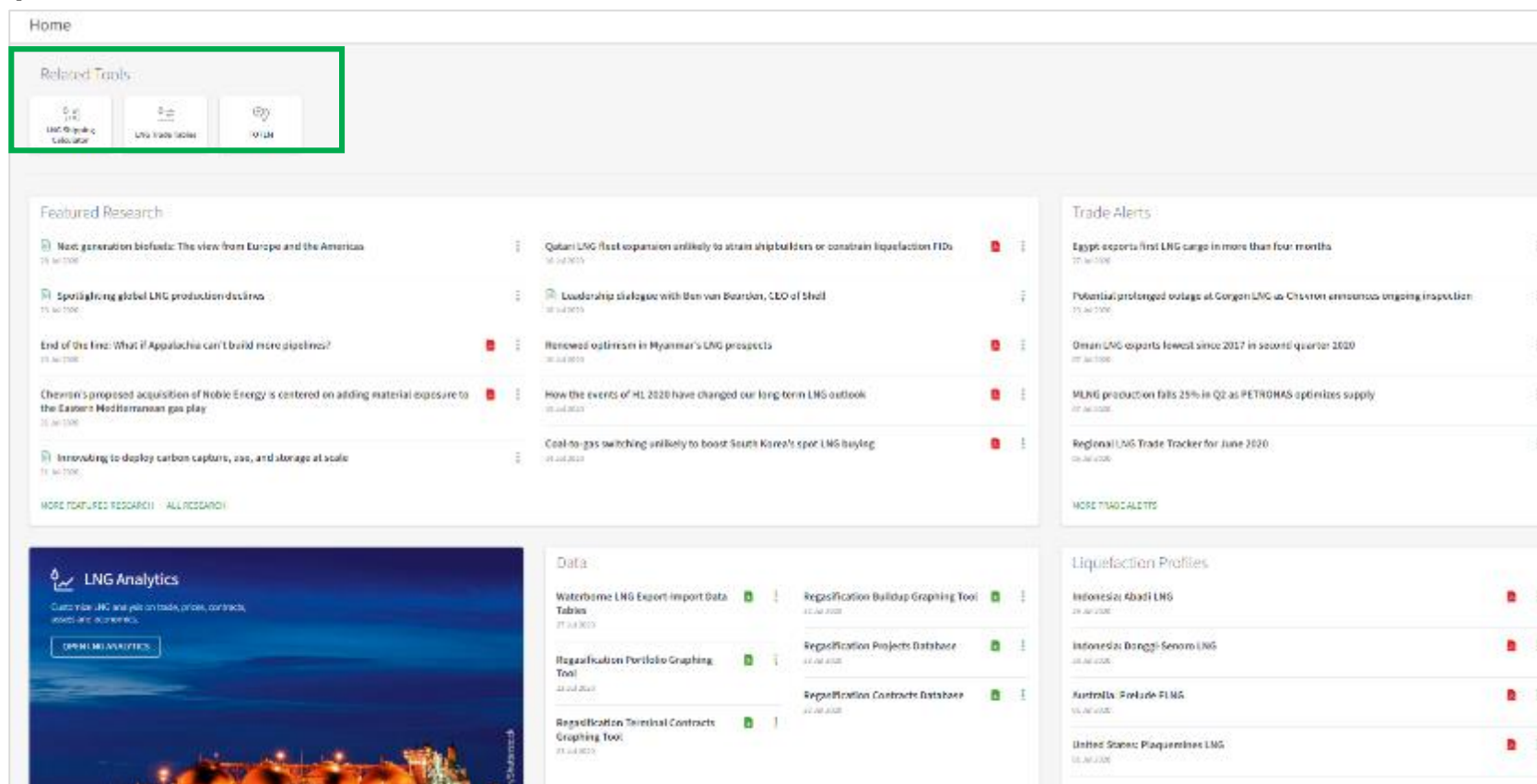


LNG Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Related Tools**.

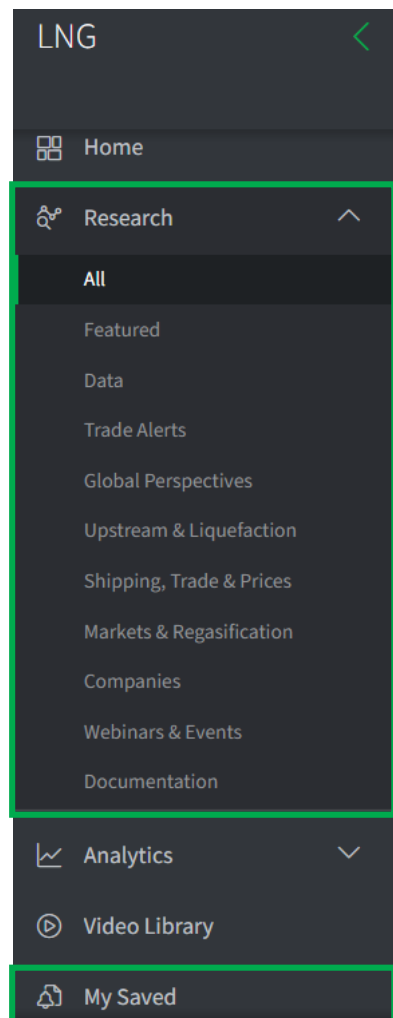


The **Home** page displays **Related Tools** and various widgets for **Featured Research**, **Trade Alerts**, **Data & Maps**, and **more**.

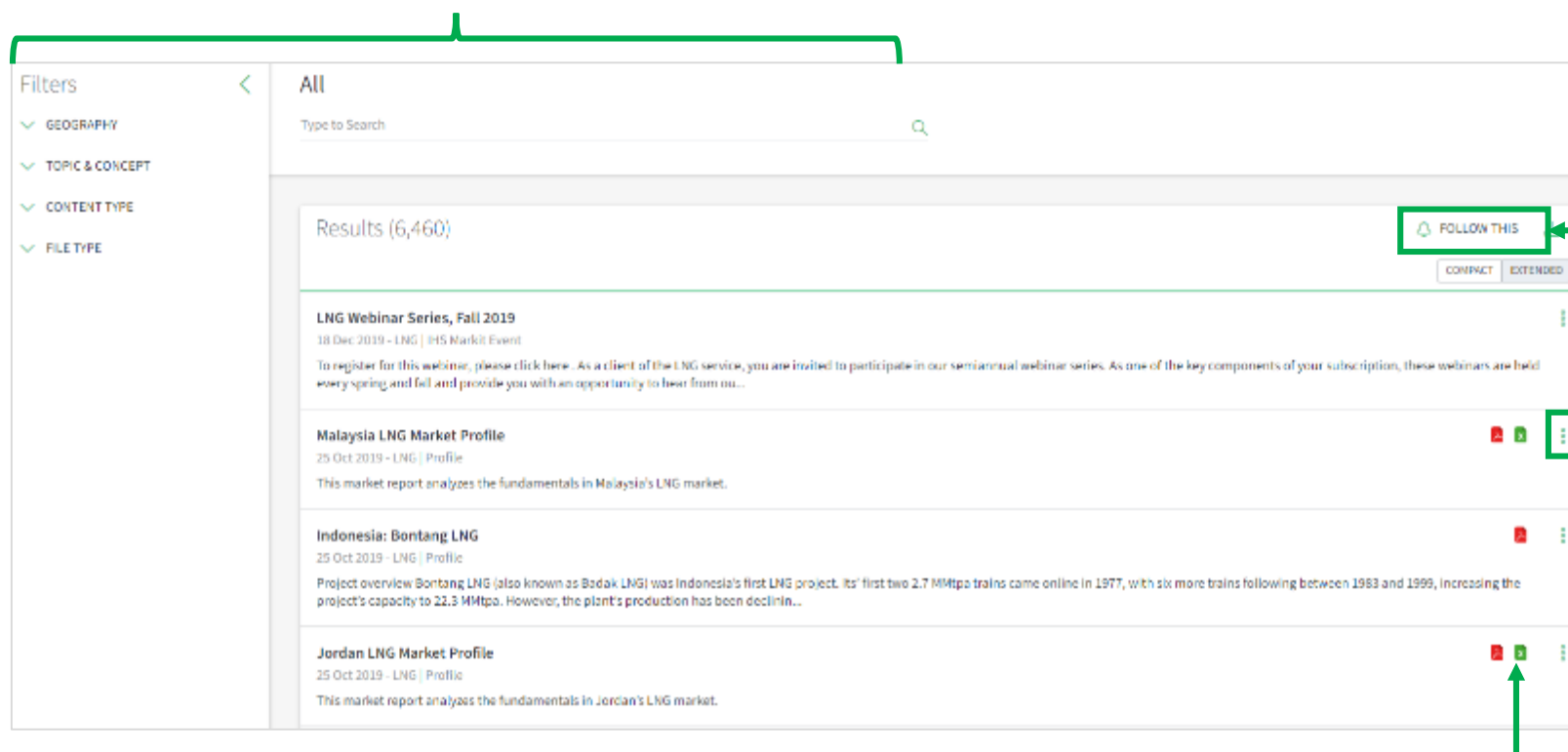


LNG Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **LNG** research by topic.



Apply **filter options** or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

Save an individual document, and **share** with colleagues.

Saved content appears in **My Saved** (in the left hand rail).

View and access **files** quickly.

LNG Research Pages

Use the left-hand rail to click on **Analytics** to access **Maps**, **LNG Production Tracker** and **Regional LNG Trade Tracker**

LNG

Home

Research

Analytics

Liquefaction Map

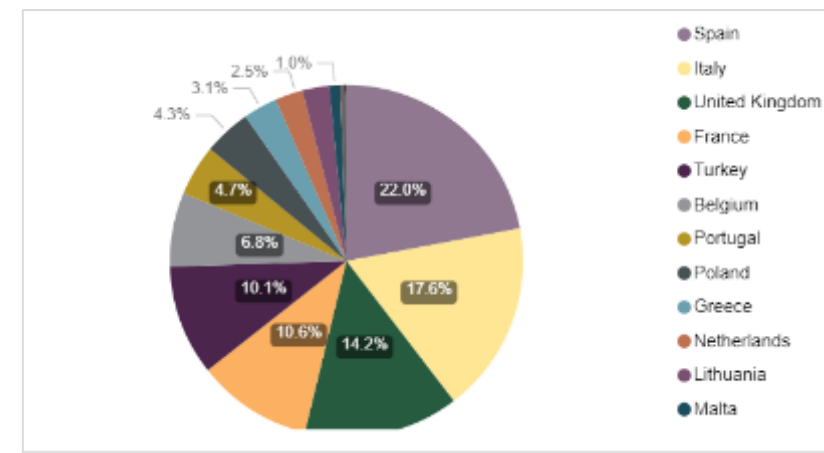
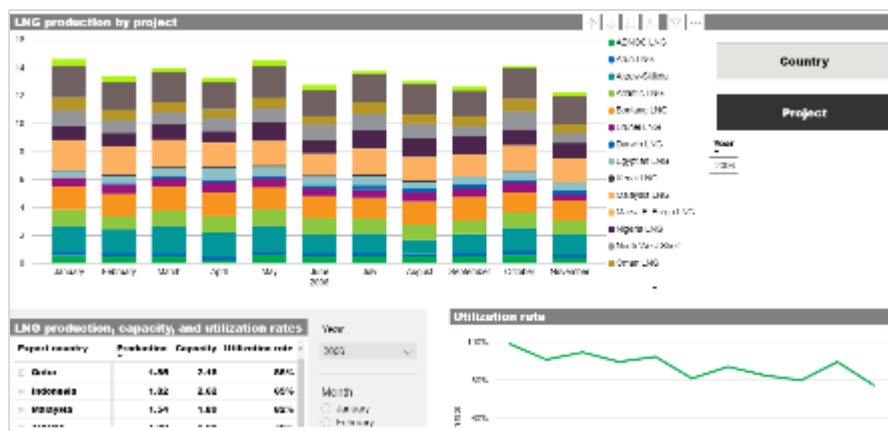
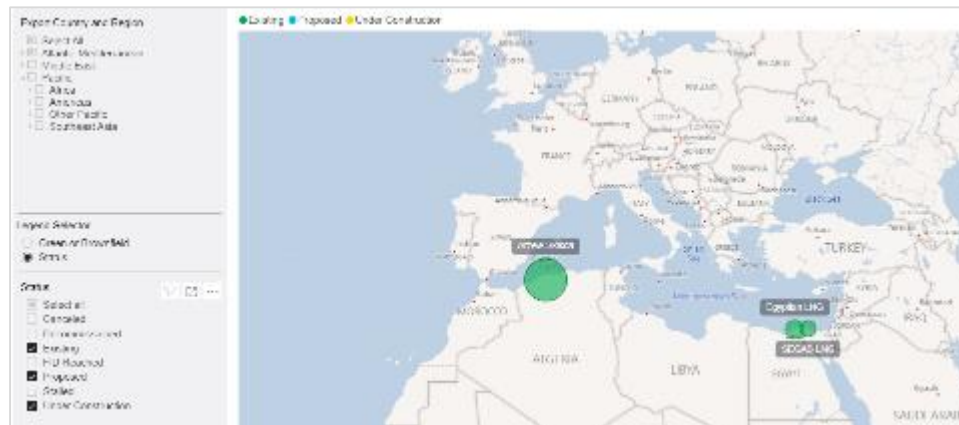
Regasification Map

LNG Production Tracker

Regional LNG Trade Tracker

Video Library

My Saved



PEPS Oil & Gas Risk

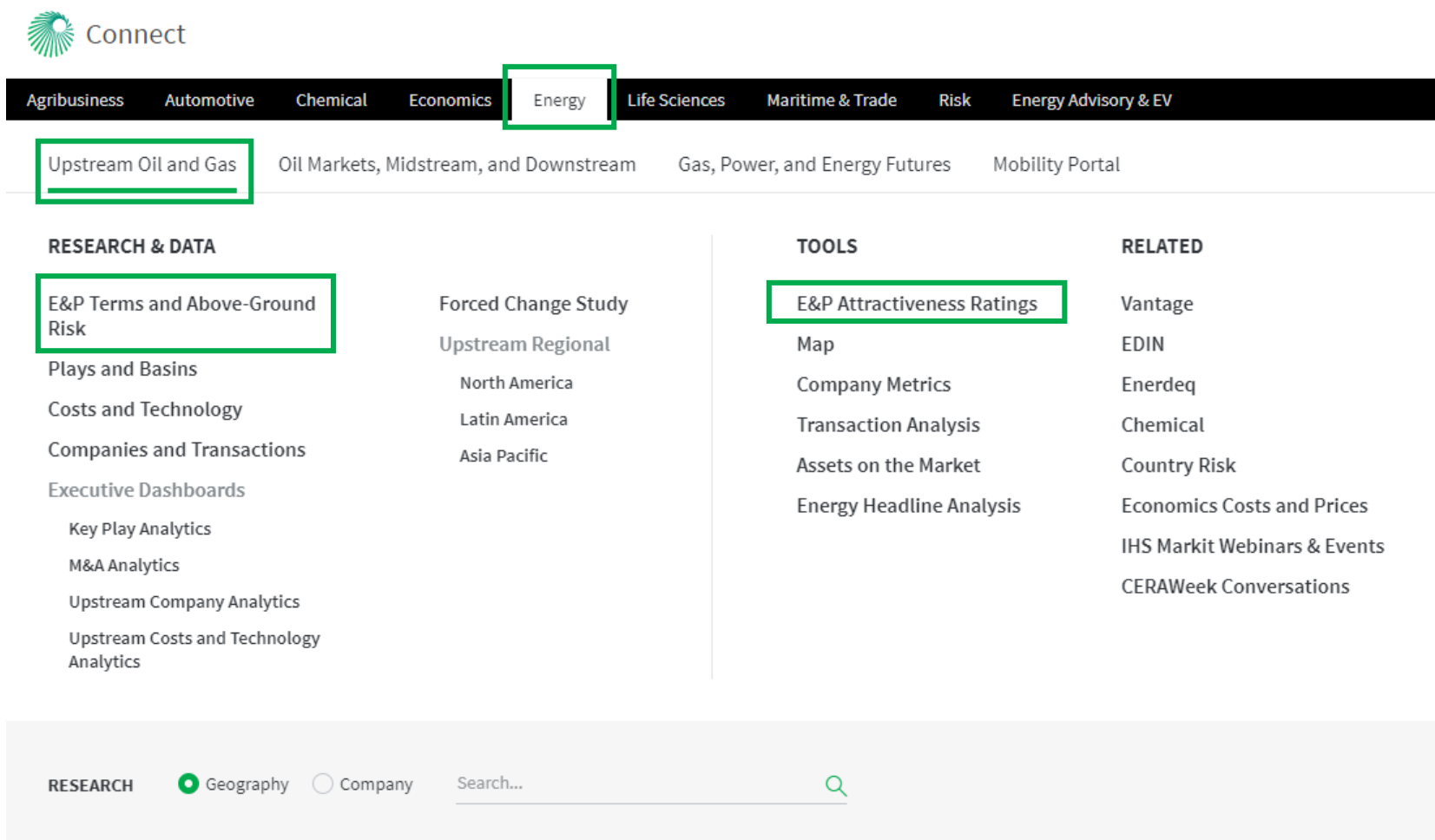
Country-level screening for E&P investment opportunities, and for monitoring and evaluating existing upstream portfolio assets.

Oil & Gas Risk Deliverables

- **Research Notes and Briefs:** Ongoing monitoring and timely analysis of changes to energy policy, investor relations and operational risks tied into OGRS risk factors. *Ad-hoc*
- **Special Reports and Quarterlies:** Detailed analysis of emerging trends affecting investors on a regional, thematic and country level. *Quarterly*
- **Country Profiles:** Analysis of government policy and decision making, energy fundamentals, and competitive environment in top hydrocarbon producing countries. *Ongoing basis*
- **Risk Commentaries:** Overview and analysis of the country-level drivers for each of the risk rating components. *Ongoing basis*
- **Webinars:** Delivered by the best IHS Markit energy thought leaders. *Ad-hoc at least 4 per year*

Access Oil and Gas Risk in Connect

In Connect, hover over the **Energy** menu > **Upstream Oil and Gas** > click on [E&P Terms and Above-Ground Risk](#).



The screenshot displays the IHS Markit Connect website interface. At the top, the 'Connect' logo is visible. Below it is a horizontal navigation bar with the following categories: Agribusiness, Automotive, Chemical, Economics, **Energy** (highlighted with a green box), Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. Under the 'Energy' category, there is a sub-menu with 'Upstream Oil and Gas' (highlighted with a green box), 'Oil Markets, Midstream, and Downstream', 'Gas, Power, and Energy Futures', and 'Mobility Portal'. The 'Upstream Oil and Gas' section is expanded, showing three columns of content:

- RESEARCH & DATA**
 - E&P Terms and Above-Ground Risk** (highlighted with a green box)
 - Plays and Basins
 - Costs and Technology
 - Companies and Transactions
 - Executive Dashboards
 - Key Play Analytics
 - M&A Analytics
 - Upstream Company Analytics
 - Upstream Costs and Technology Analytics
- Forced Change Study**
- Upstream Regional**
 - North America
 - Latin America
 - Asia Pacific

TOOLS

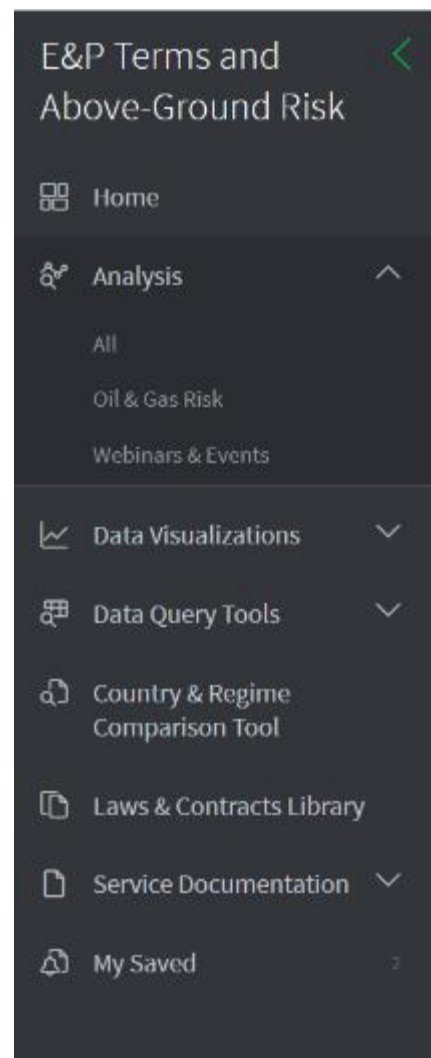
- E&P Attractiveness Ratings** (highlighted with a green box)
- Map
- Company Metrics
- Transaction Analysis
- Assets on the Market
- Energy Headline Analysis

RELATED

- Vantage
- EDIN
- Enerdeq
- Chemical
- Country Risk
- Economics Costs and Prices
- IHS Markit Webinars & Events
- CERAWEEK Conversations

At the bottom of the page, there is a search bar with the text 'RESEARCH' and two radio buttons: 'Geography' (selected) and 'Company'. To the right of the radio buttons is a search input field with the placeholder text 'Search...' and a magnifying glass icon.

Oil & Gas Risk Navigation in Connect



Home: Displays various widgets for **Key Developments, Featured Analysis, and data visualizations.**

Analysis: Browse all **Oil & Gas Risk Commentaries, Country Profiles, and Insights.**

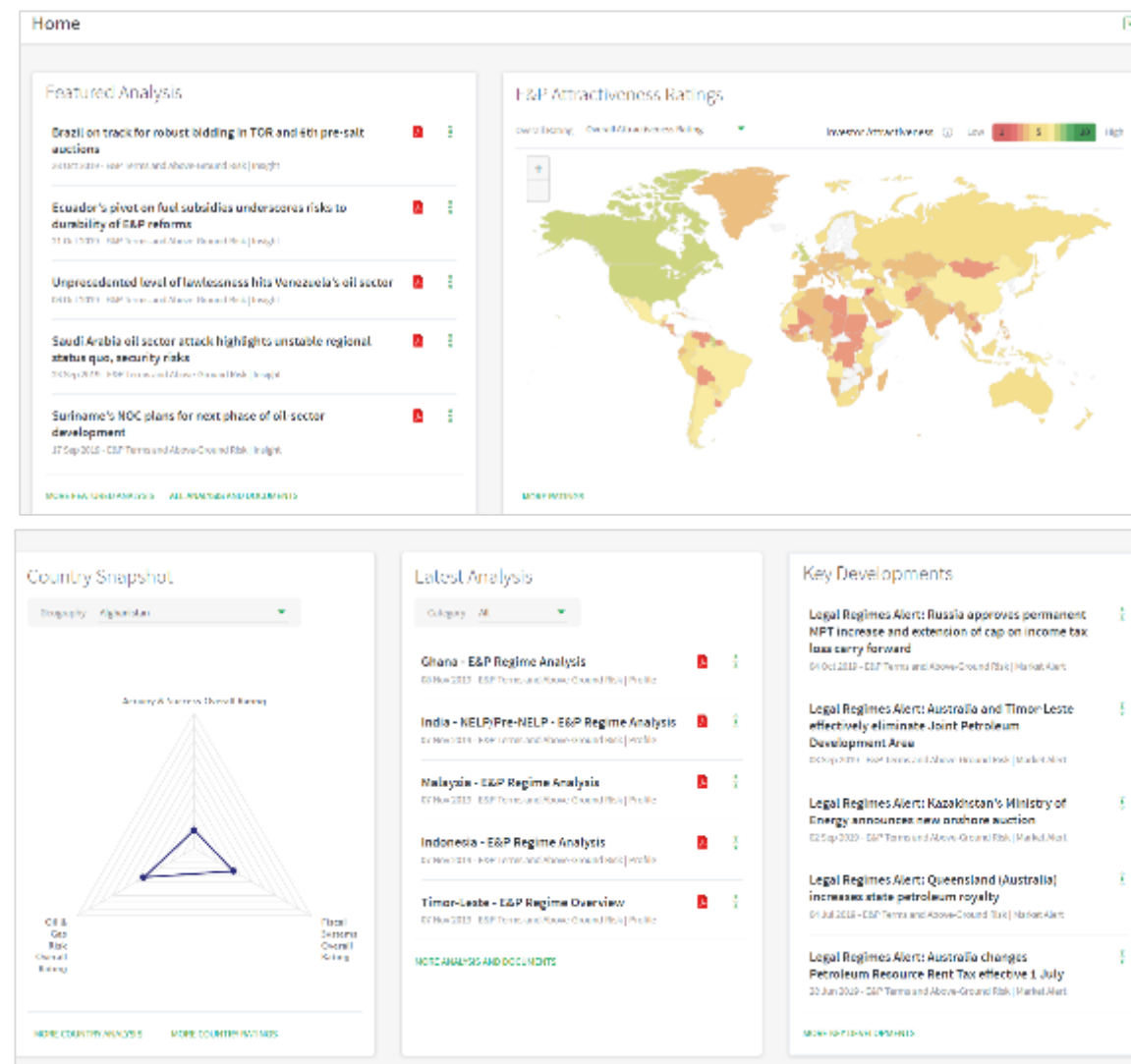
Data Visualizations: Customize, visualize, and export data in the **E&P Attractiveness Ratings** tool.

Data Query Tools: Run custom data queries across **E&P Attractiveness Ratings.**

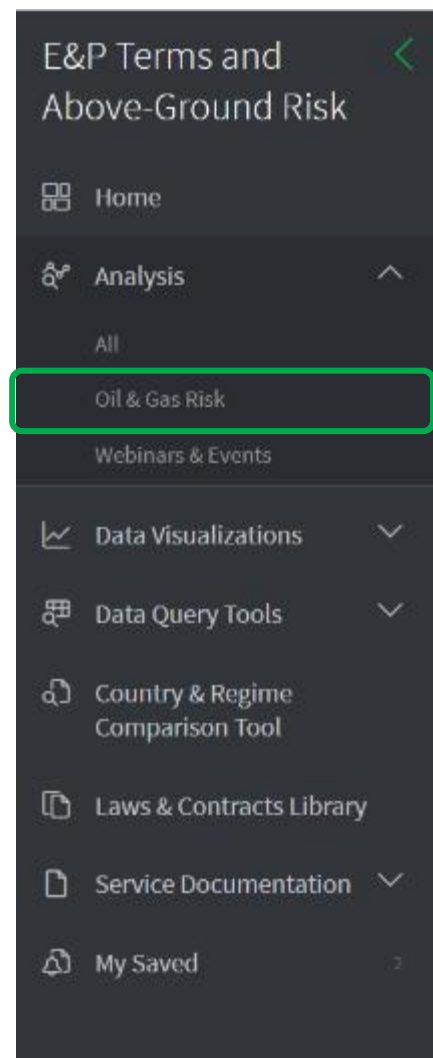
Country & Regime Comparison Tool: Quickly compare **Risk Commentaries**, and group and export multiple Commentary sections.

Service Documentation: Access **PEPS Methodology** documents.

My Saved: Access your saved tool queries and data visualizations.

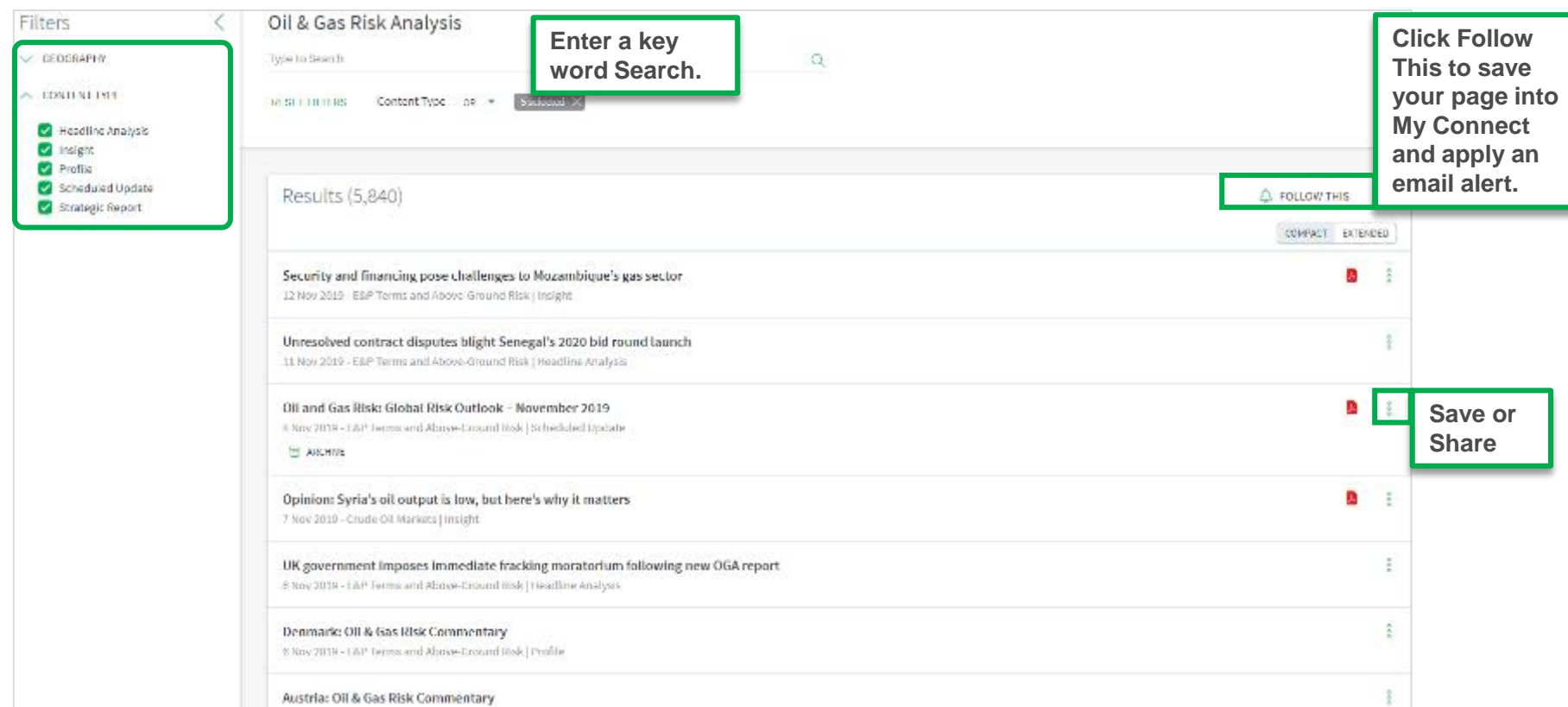


Oil & Gas Risk: Research Deliverables



Under the Analysis section, click on **Oil & Gas Risk** to access the **Oil & Gas Risk research deliverables**.
Apply filters:

- **Profile** for **Country Profiles** and **Risk Commentaries**.
- **Scheduled Update** for **Oil & Gas Risk Quarterlies**.
- **Insight** and **Strategic Report** for ad-hoc analysis of changes to energy policy, investor relations and operational risks tied into OGRS risk factors.



Filters

- ☒ GEOGRAPHY
- ☒ CONTENT TYPE
 - ☒ Headline Analysis
 - ☒ Insight
 - ☒ Profile
 - ☒ Scheduled Update
 - ☒ Strategic Report

Oil & Gas Risk Analysis

Type to Search

RESULTS Content Type OR Scheduled

Results (5,840)

Security and financing pose challenges to Mozambique's gas sector
 12 Nov 2019 - E&P Terms and Above-Ground Risk | Insight

Unresolved contract disputes blight Senegal's 2020 bid round launch
 11 Nov 2019 - E&P Terms and Above-Ground Risk | Headline Analysis

Oil and Gas Risk: Global Risk Outlook - November 2019
 8 Nov 2019 - E&P Terms and Above-Ground Risk | Scheduled Update

Opinion: Syria's oil output is low, but here's why it matters
 7 Nov 2019 - Crude Oil Markets | Insight

UK government imposes immediate fracking moratorium following new OGA report
 8 Nov 2019 - E&P Terms and Above-Ground Risk | Headline Analysis

Denmark: Oil & Gas Risk Commentary
 8 Nov 2019 - E&P Terms and Above-Ground Risk | Profile

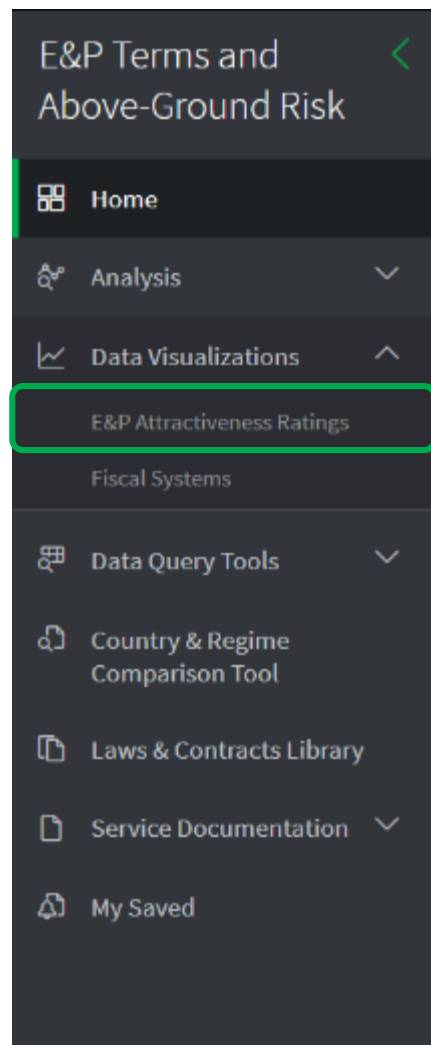
Austria: Oil & Gas Risk Commentary

Enter a key word Search.

Click Follow This to save your page into My Connect and apply an email alert.

Save or Share

E&P Attractiveness Ratings Tool: Common Components



In the **Data Visualization** section, select **E&P Attractiveness Ratings tool** to visualize, customize and export the **IHS Markit E&P Attractiveness Ratings** across multiple risk factors and categories using multiple benchmarking tools.

Select the **countries** to benchmark.

Toggle between **IHS Markit** and **Custom Weights**.

All Geographies

IHS Markit Default Weights

Map

Table

Cross-Plot

Stacked Bar

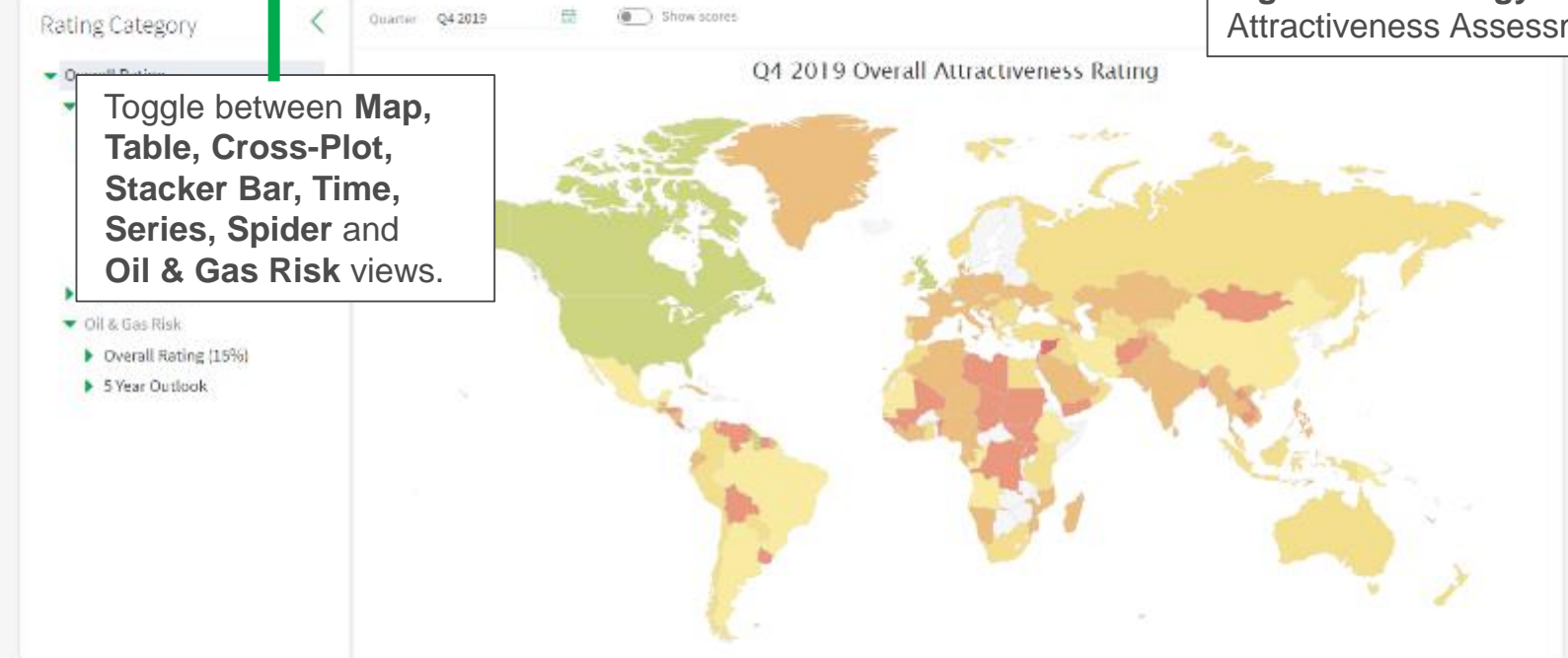
Time Series

Spider

Outlook (Oil & Gas Risk)

Toggle between **Map**, **Table**, **Cross-Plot**, **Stacker Bar**, **Time**, **Series**, **Spider** and **Oil & Gas Risk** views.

Refer to the featured **Traffic Light Methodology** for E&P Attractiveness Assessment.



E&P Attractiveness Ratings Tools: Weighting Scenario Selector

E&P Terms and Above-Ground Risk

- Home
- Analysis
- Data Visualizations
- E&P Attractiveness Ratings**
- Fiscal Systems
- Data Query Tools
- Country & Regime Comparison Tool
- Laws & Contracts Library
- Service Documentation
- My Saved

E&P Attractiveness Ratings Data Visualizations

All Geographies

Investor Attractiveness ⓘ Low

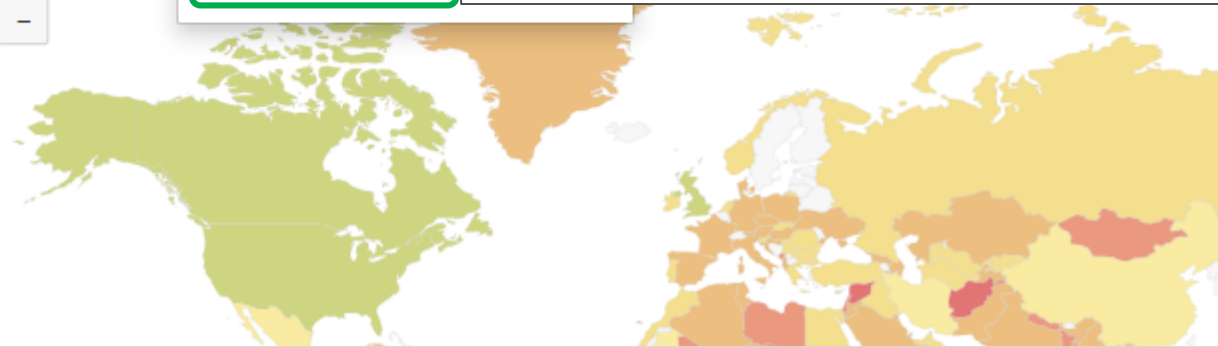
Map Table Cross-Plot Stacked Bar Time Series

Rating Category

- Overall Rating
 - Activity & Success
 - Overall Rating (50%)
 - Fiscal Systems
 - Overall Rating (35%)
 - Oil & Gas Risk
 - Overall Rating (15%)
 - 5 Year Outlook

Quarter Q4 2019

Overall Attractiveness Rating



Standard Weights

IHS Markit Default Weights

Alternative Weights

Above-Ground Focus

Custom Weights

NEW CUSTOM WEIGHTS

Default is the standard weighting scenario.

Quick click to a scenario that excludes Activity & Success.

Click here to **create a new weighting** scenario.

E&P Attractiveness Ratings Data Query Tool

In the **Data Query Tools** section, click on **E&P Attractiveness Ratings** to access a snapshot view of Oil & Gas Risk ratings.

Apply the available filters to customize your query by Geography, Ratings Issues and Weights. Click **Submit** to view results.

E&P Terms and Above-Ground Risk

Home

Analysis

Data Visualizations

Data Query Tools

E&P Attractiveness Ratings

Country & Regime Comparison Tool

Laws & Contracts Library

Service Documentation

My Saved 2

SAVE AS...

Click Save As to save into My Saved.

Geography:

All geographies

Ratings Issues:

All ratings issues

Weights Profiles:

IHS Markit Default Weights

RESET ALL

CANCEL

SUBMIT

EXPORT...

Filter and Export data.

Filter...

Country/Territory

Ratings Issue

Summary

E&P Attractiveness

Fiscal Systems Over

Oil & Gas Risk Over

E&P

From: Pick quarter

To: Pick quarter

All dates are in UTC

Country/Territory	Ratings Issue	E&P Attractiveness Overall	Fiscal Systems Overall	Oil & Gas Risk Overall
Kazakhstan	2019 4Q			
Canada	2019 4Q			

(OGR) Country & Regime Comparison Tool: Oil & Gas Risk Commentaries

E&P Terms and Above-Ground Risk
<

Home

Analysis
^

All

Legal Regimes

Fiscal Systems

Oil & Gas Risk

Webinars & Events

Data Visualizations
v

Data Query Tools
v

Country & Regime Comparison Tool

Laws & Contracts Library

Service Documentation
v

My Saved

Click on the **Country & Regime Comparison Tool** to quickly compare **Risk Commentaries** providing rationales behind the ratings for any of the 21 different risk factors for a given set of countries.

Select **Oil & Gas Risk Commentary** from the **Resource** drop-down box. Then select **Countries** and **Report Sections** of interest. Click **Submit** to view **Results**.

Select the checkboxes under Results to group and export.

Country & Regime Comparison Tool

Resource
Legal and Contractual Terms
Oil & Gas Risk Commentary
Country/Territory
Report Sections
Government

RESET ALL
CANCEL
SUBMIT

Results (89)

☐
☒
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☐

Country/Territory	Topic	Title	Summary Text	Published Date
Venezuela, Bolivarian Republic of	Hydrocarbon Sector Entry	Government Take	Government take for Venezuela is based on Indicative royalty tax terms under the 2006 Hydrocarbons Organic Law and the 2006 Model Contract and compares unfavourably to regional peers. In August 2018, Venezuela announced in its official gazette that PDVSA, its affiliates, and its joint-venture (JV) partners would be exempted from the Petroleum Corporate Income Tax – a 50% tax on Income derived from oil production activities. The exemption only applied from 1 January 2018 through 31 December 2018....	03 Oct 2019
Argentina	Hydrocarbon Sector Entry	Government Take	Government take for Argentina is based on the 2018 Royalty Tax Terms. This includes a standard royalty rate of 12% and a 35% tax on profits (effective combined rate of income tax and tax on repatriated profits). Congress approved a tax reform in December 2017 that will bring about a gradual reduction of the corporate income tax rate for companies that reinvest profits to 30% for 2018 and 2019 and 25% from 2020. The effective rate will remain at 35% for profits that are not reinvested in the coun....	03 Oct 2019
Ukraine	Hydrocarbon Sector Entry	Government Take	Government take for Ukraine is "high" (classified as between 65% and 85%, according to IHS Markit methodology), based on royalty tax terms according to the provisions of the 2010 tax code.	30 Sep 2019

Select checkboxes and Export data.

EXPORT...

Plays and Basins

Assessments of the current status, resource development inventory, and growth prospects for world's leading growth plays.

Plays and Basins Deliverables

Plays and Basins North America: provides critical judgment and authoritative perspectives with the most comprehensive forward-looking analysis of oil and gas exploration and development in onshore unconventional plays in North America.

- Quarterly supply forecasts (reports and accompanying xls files with underlying data) including comprehensive views and scenario analysis of operator strategy, investor expectations, global commodity markets, midstream and service sector capacity, and play trend analysis
- Semi-annual updates to North America unconventional play workbooks (reports and accompanying xls files with underlying data)
- Ad hoc coverage of legacy and emerging plays
- Memos catered to clients with upstream interest or exposure including operator strategy and activity, recent mergers and acquisitions, aboveground issues, and leading-edge data analysis
- Key Play Analytics, online interactive visualization for analysis and evaluation of plays and operators critical elements in industry
- Access to analysts via webinars, events and onsite engagements

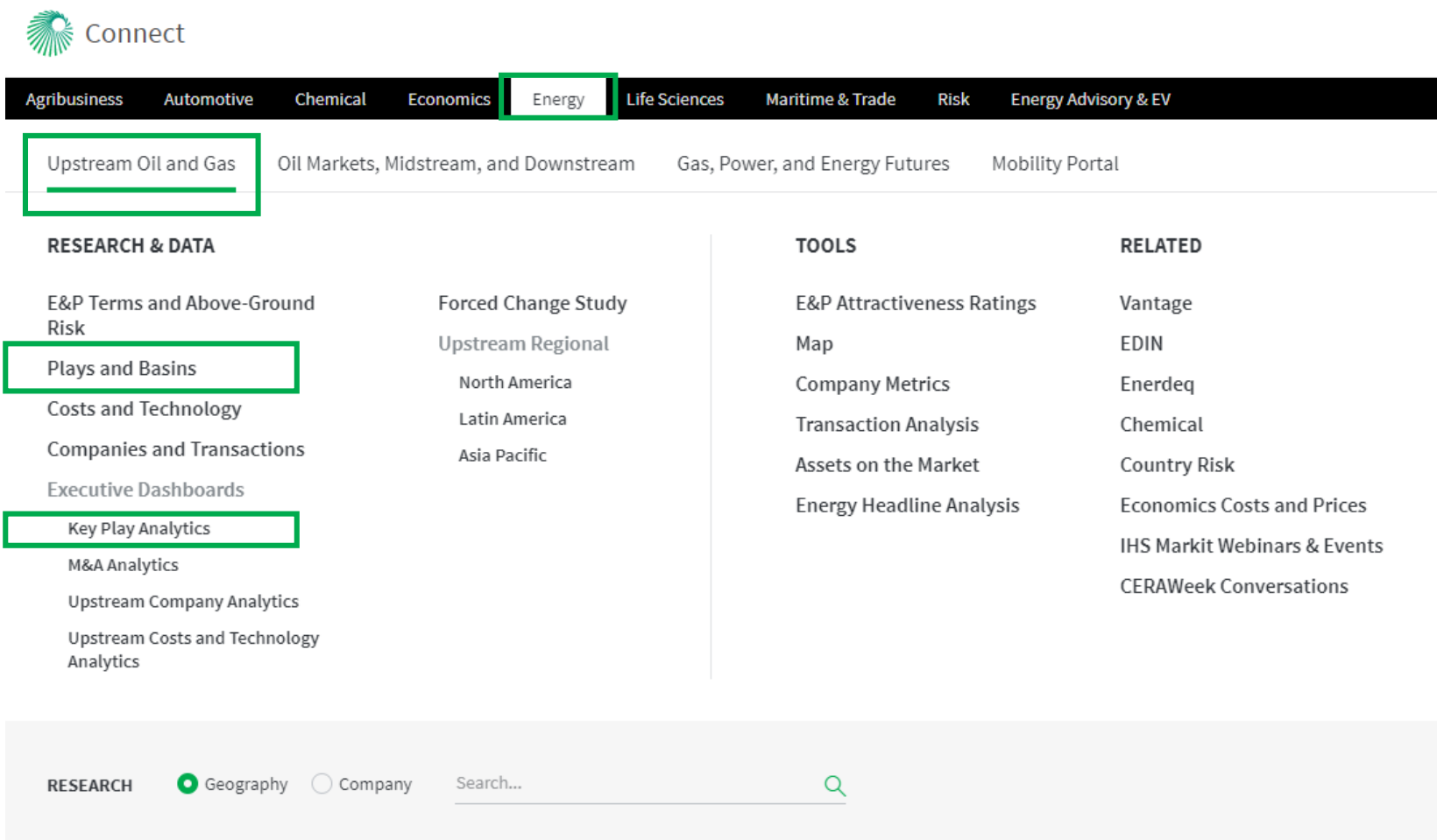
Basin Insights: leading source for commercial and strategic advisory into changes in the E&P Industry's perception of a play's or basin's commercial value; integrates competitive landscape analysis, resource potential and above ground risks. Identifying changes in the industry's perception of the commercial value of a play or basin.

- **Basin Reports:** Provides advisory that is forward looking, analytical evaluation of the commercial and strategic implication of E&P activity that alters a basin's future investment and development trajectory. **Two to three (2-3) per month.**
- **E&P Trends & Analysis:** ongoing independent commentary with strategic and commercial analysis of basin competitiveness and attractiveness that considers both below-and-above-ground perspectives. Competitive assessments rank a given basin versus other basins, with particular focus on future investment opportunities and strategic portfolio fit. **Dictated by events and selected basins (several times per quarter).**
- Webinars / Workshops with access to analysts

Plays and Basins in Connect

In Connect, hover over the **Energy** menu > **Plays and Basins** > Click on [Plays and Basins](#) topics.

Access **Key Play Analytics** data tool under **Executive Dashboards**.



The screenshot shows the IHS Markit Connect website interface. At the top, there is a navigation bar with the following categories: Agribusiness, Automotive, Chemical, Economics, **Energy** (highlighted with a green box), Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. Below the navigation bar, there is a sub-navigation bar with the following options: **Upstream Oil and Gas** (highlighted with a green box), Oil Markets, Midstream, and Downstream, Gas, Power, and Energy Futures, and Mobility Portal. Under the **Upstream Oil and Gas** section, there are three columns of content. The first column, titled **RESEARCH & DATA**, includes links to E&P Terms and Above-Ground Risk, **Plays and Basins** (highlighted with a green box), Costs and Technology, Companies and Transactions, Executive Dashboards, **Key Play Analytics** (highlighted with a green box), M&A Analytics, Upstream Company Analytics, and Upstream Costs and Technology Analytics. The second column, titled **FORCED CHANGE STUDY**, includes links to Upstream Regional, North America, Latin America, and Asia Pacific. The third column, titled **TOOLS**, includes links to E&P Attractiveness Ratings, Map, Company Metrics, Transaction Analysis, Assets on the Market, and Energy Headline Analysis. To the right of the **TOOLS** column, there is a **RELATED** section with links to Vantage, EDIN, Enerdeq, Chemical, Country Risk, Economics Costs and Prices, IHS Markit Webinars & Events, and CERAWEEK Conversations. At the bottom of the page, there is a footer with the text "RESEARCH" and two radio buttons labeled "Geography" (selected) and "Company". To the right of the radio buttons is a search bar with the text "Search..." and a magnifying glass icon.

Plays & Basins Page Navigation

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.

Commercial Plays & Basins <

Home

Commercial Plays & Basins Research ^

All

Play & Basin Profiles

E&P Trends & Analysis

Webinars & Events

Data Visualizations ^

Key Play Analytics

Video Library

Technical Data & Editorial v

My Saved

The **Home** page displays various widgets for **Featured Research**, **Expert Analysis**, **Featured Experts**, **Key data visualization**, and more.

Featured Research

Upstream Insight: US rig update 8 April 2020 - The reduction accelerates and reallocation begins

09 Apr 2020 - Plays and Basins | Insight

Basin Report: Assessing the stratigraphic, areal, and economic limits of the offshore, commercial plays in the Guyana Basin

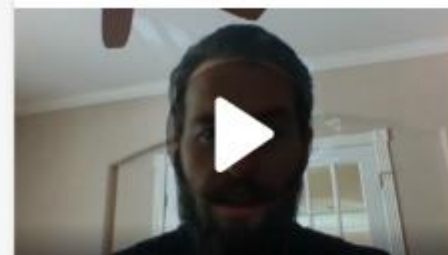
09 Apr 2020 - Plays and Basins | Profile

Basin Report: Tano Basin: Weak oil prices and a fractured competitive landscape may delay assessment of promising basin potential

07 Apr 2020 - Plays and Basins | Profile

[MORE FEATURED RESEARCH](#) [ALL RESEARCH](#)

Expert Analysis



North American activity update, 9 April: Tracking daily rig activity and reallocations

Apr 13, 2020

The North American upstream research by the Plays and Basins team at IHS Markit is tracking the oil market and North American onshore activities, where we provide...

[MORE VIDEOS](#)

Featured Experts



Reed Olmstead

Director
Houston, Texas



Jerry Kepes

Head, Plays and Basins, Upstream



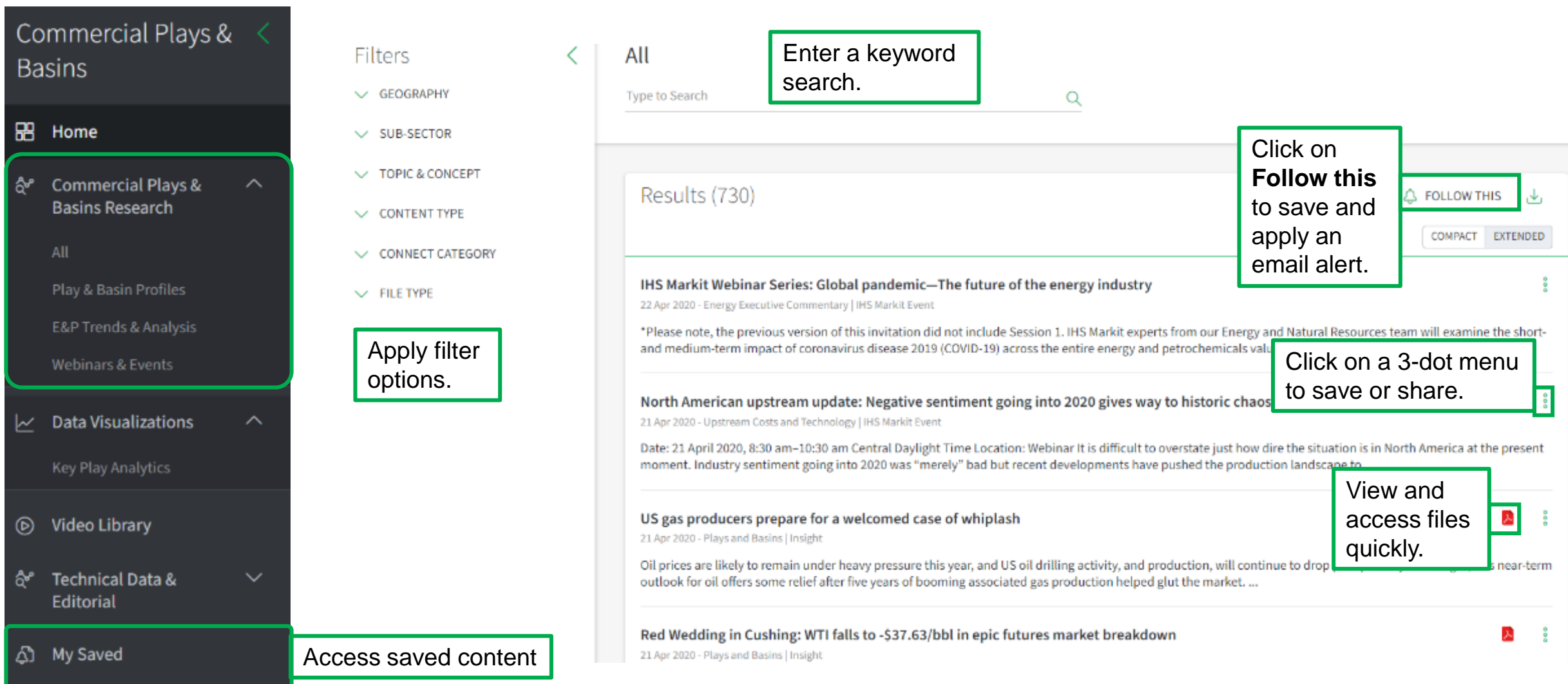
David McCaleb

Director

[EXPERT DIRECTORY](#)

Plays & Basins Research Page Navigation

Use the left-hand rail to click on **Research topics** to browse and narrow down research.



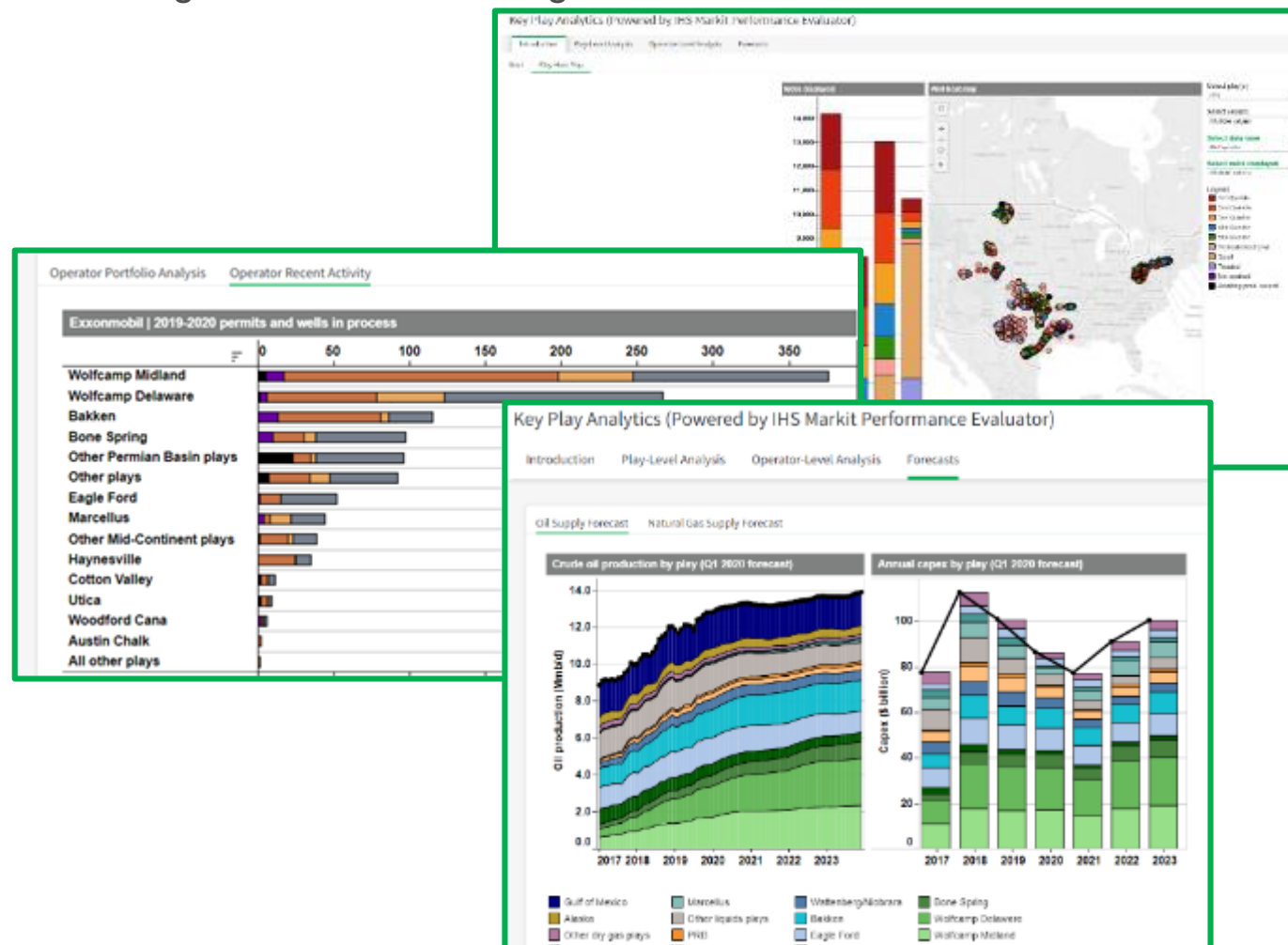
The screenshot displays the IHS Markit Plays & Basins Research interface. On the left is a dark sidebar with navigation options: Home, Commercial Plays & Basins Research (highlighted with a green box), All, Play & Basin Profiles, E&P Trends & Analysis, Webinars & Events, Data Visualizations, Video Library, Technical Data & Editorial, and My Saved (highlighted with a green box). A green box labeled "Access saved content" points to the "My Saved" option. The main content area features a "Filters" section with expandable categories: GEOGRAPHY, SUB-SECTOR, TOPIC & CONCEPT, CONTENT TYPE, CONNECT CATEGORY, and FILE TYPE. A green box labeled "Apply filter options." points to this section. Above the filters is a search bar with the placeholder "Type to Search" and a green box labeled "Enter a keyword search." pointing to it. The search results section shows "Results (730)" and lists several articles. A green box labeled "Click on Follow this to save and apply an email alert." points to the "FOLLOW THIS" button. Another green box labeled "Click on a 3-dot menu to save or share." points to the three-dot menu icon next to an article. A third green box labeled "View and access files quickly." points to a document icon next to an article. The article titles include "IHS Markit Webinar Series: Global pandemic—The future of the energy industry", "North American upstream update: Negative sentiment going into 2020 gives way to historic chaos", "US gas producers prepare for a welcomed case of whiplash", and "Red Wedding in Cushing: WTI falls to -\$37.63/bbl in epic futures market breakdown".

Plays & Basins: North America Key Play Analytics [Click here](#) for quick access.

Use the left-hand rail to access **North America Key Play Analytics** to customize and visualize related data. Click [here](#) for complete user guide and methodologies.

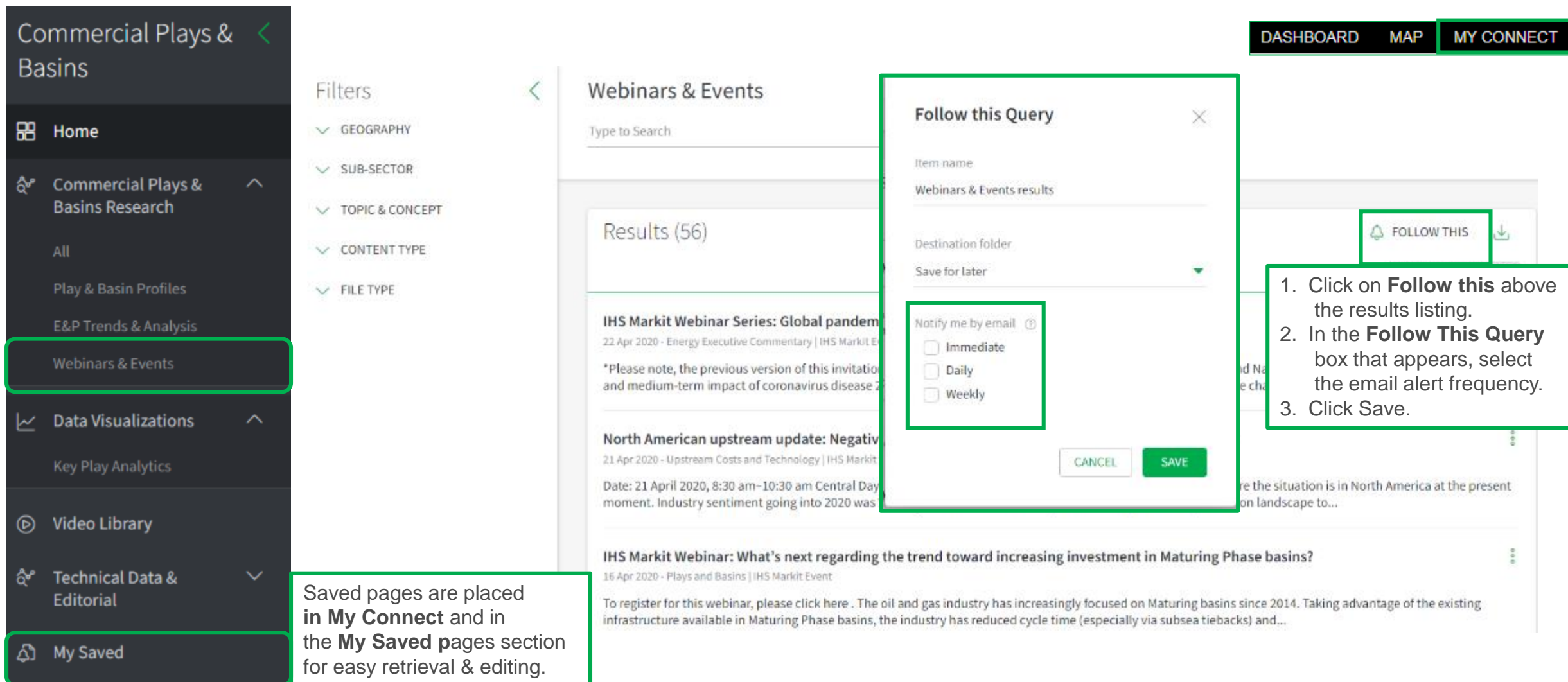
Key Play Analytics – an online interactive data visualization tool for analysis and evaluation of plays and operators.

- Leverages select aspects of IHS Markit's Performance Evaluator database
- Users quickly and easily create powerful visualizations of well performance data, acting as a complement to existing Play level reports available to plays and basins subscribers.



Follow Plays & Basins Bi-weekly Webinars

Save a research page into **My Connect** and apply an email alert to be notified when a document is updated on your page.



The screenshot shows the IHS Markit interface. On the left is a dark sidebar with navigation options: Home, Commercial Plays & Basins Research, All, Play & Basin Profiles, E&P Trends & Analysis, **Webinars & Events** (highlighted with a green box), Data Visualizations, Video Library, Technical Data & Editorial, and My Saved. The main content area is titled 'Webinars & Events' and includes a search bar, filters (Geography, Sub-sector, Topic & Concept, Content type, File type), and a list of results (56). The first result is 'IHS Markit Webinar Series: Global pandemic' with a date of 22 Apr 2020. A modal box titled 'Follow this Query' is open, showing the item name 'Webinars & Events results', a destination folder, and a 'Save for later' dropdown. Below these are email notification options: 'Notify me by email' with checkboxes for 'Immediate', 'Daily', and 'Weekly' (the 'Weekly' option is highlighted with a green box). At the bottom of the modal are 'CANCEL' and 'SAVE' buttons. In the top right corner, there are tabs for 'DASHBOARD', 'MAP', and 'MY CONNECT' (highlighted with a green box). A 'FOLLOW THIS' button with a download icon is also visible above the results list. A green box highlights the 'Webinars & Events' section in the sidebar and the 'Follow this Query' modal.

Follow this Query

Item name
Webinars & Events results

Destination folder

Save for later

Notify me by email

☐ Immediate
☐ Daily
☒ Weekly

CANCEL SAVE

1. Click on **Follow this** above the results listing.
2. In the **Follow This Query** box that appears, select the email alert frequency.
3. Click Save.

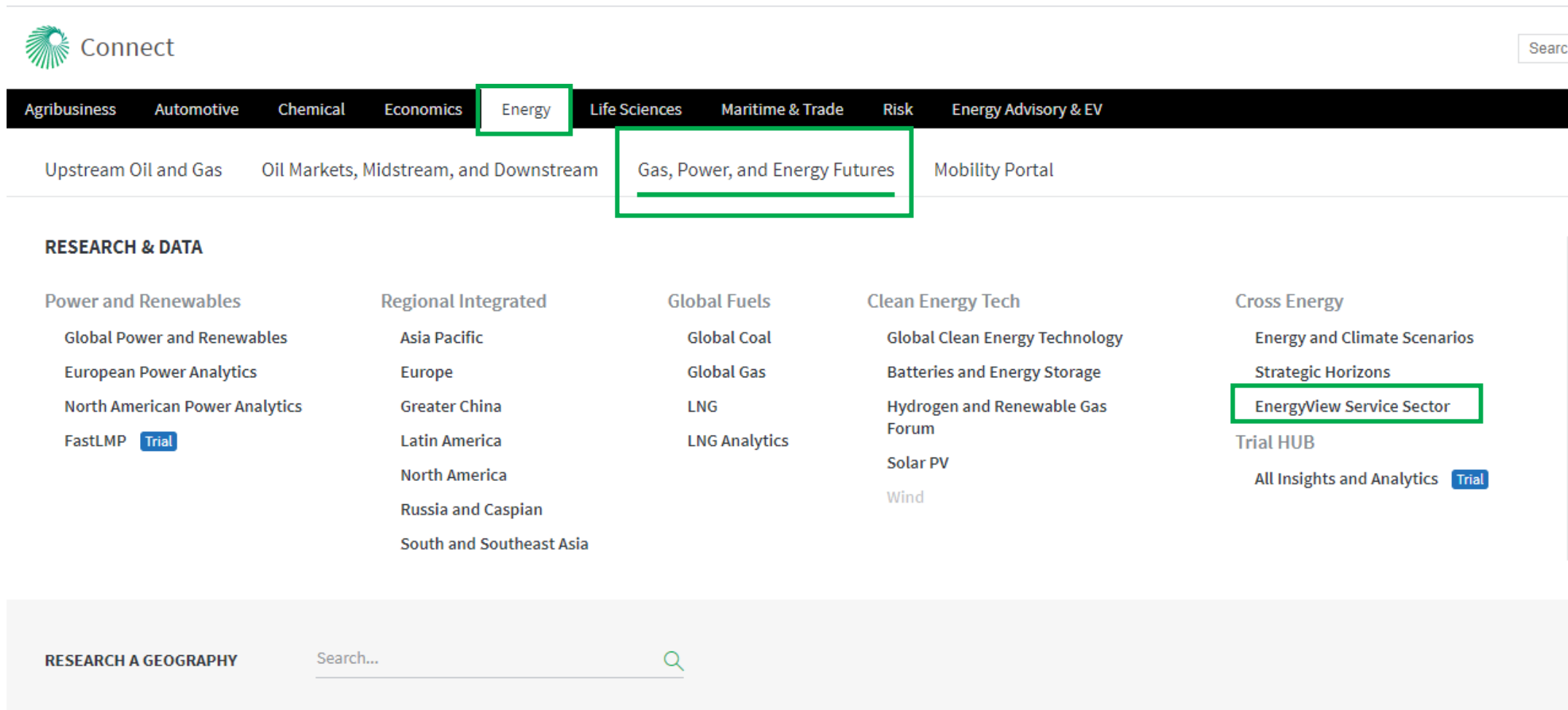
Saved pages are placed in **My Connect** and in the **My Saved** pages section for easy retrieval & editing.

Upstream Spend Report

Bottom-up analysis of upstream project activity and its forecast of nominal capital and operating spending.

EnergyView Service Sector in Connect

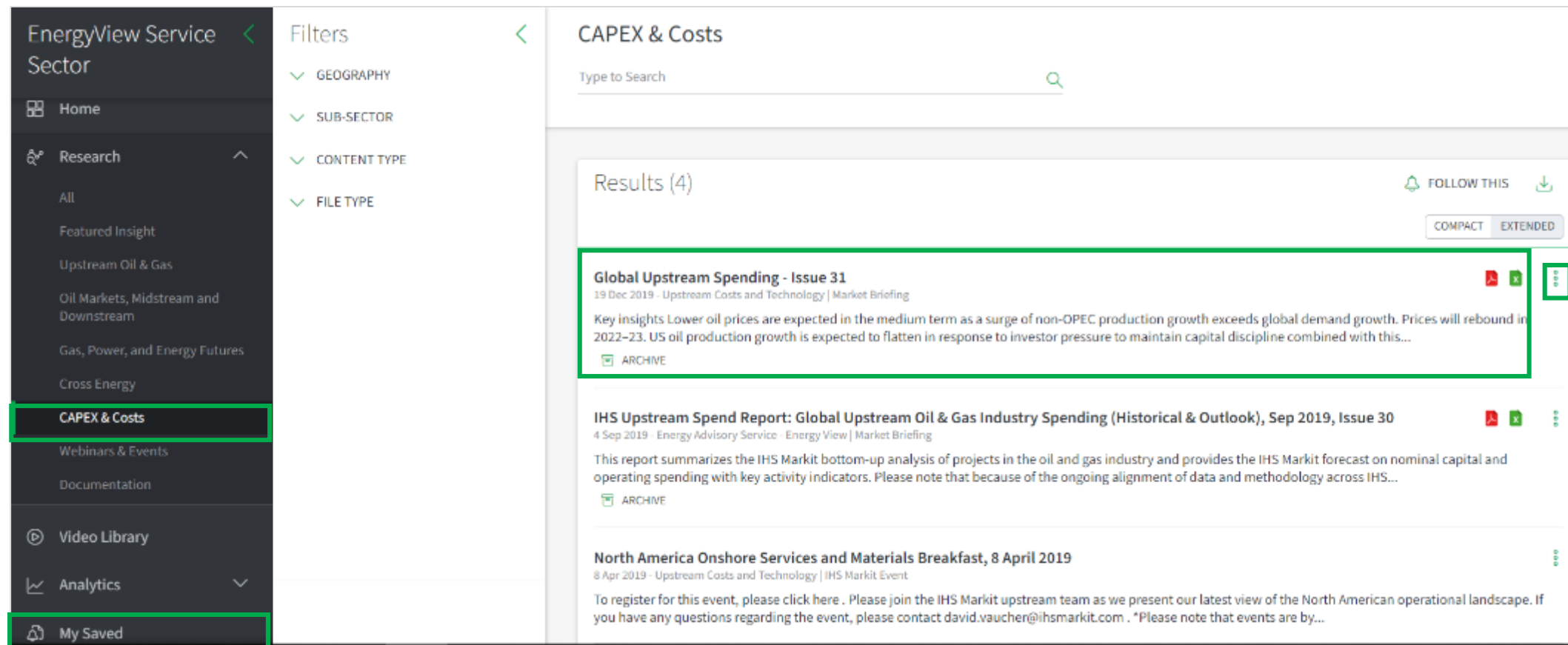
In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [EnergyView Service Sector](#) under the **Cross Energy** section.



The screenshot shows the IHS Markit Connect website interface. At the top, the 'Connect' logo is on the left and a search bar is on the right. Below the logo is a horizontal navigation bar with the following categories: Agribusiness, Automotive, Chemical, Economics, **Energy**, Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. The 'Energy' category is highlighted with a green box. Below this bar, there are four sub-categories: Upstream Oil and Gas, Oil Markets, Midstream, and Downstream, **Gas, Power, and Energy Futures** (highlighted with a green box), and Mobility Portal. Below these, the 'RESEARCH & DATA' section is displayed, organized into five columns: Power and Renewables, Regional Integrated, Global Fuels, Clean Energy Tech, and Cross Energy. Under the 'Cross Energy' column, the 'EnergyView Service Sector' is highlighted with a green box. At the bottom of the page, there is a 'RESEARCH A GEOGRAPHY' section with a search bar and a magnifying glass icon.

Upstream Spend Report

Click on the **CAPEX & Costs** in the left-hand navigator.



EnergyView Service Sector

Home

Research

All

Featured Insight

Upstream Oil & Gas

Oil Markets, Midstream and Downstream

Gas, Power, and Energy Futures

Cross Energy

CAPEX & Costs

Webinars & Events

Documentation

Video Library

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My Saved

Filters

GEOGRAPHY

SUB-SECTOR

CONTENT TYPE

FILE TYPE

CAPEX & Costs

Type to Search

Results (4)

FOLLOW THIS

COMPACT EXTENDED

Global Upstream Spending - Issue 31

19 Dec 2019 - Upstream Costs and Technology | Market Briefing

Key insights Lower oil prices are expected in the medium term as a surge of non-OPEC production growth exceeds global demand growth. Prices will rebound in 2022-23. US oil production growth is expected to flatten in response to investor pressure to maintain capital discipline combined with this...

ARCHIVE

IHS Upstream Spend Report: Global Upstream Oil & Gas Industry Spending (Historical & Outlook), Sep 2019, Issue 30

4 Sep 2019 - Energy Advisory Service - Energy View | Market Briefing

This report summarizes the IHS Markit bottom-up analysis of projects in the oil and gas industry and provides the IHS Markit forecast on nominal capital and operating spending with key activity indicators. Please note that because of the ongoing alignment of data and methodology across IHS...

ARCHIVE

North America Onshore Services and Materials Breakfast, 8 April 2019

8 Apr 2019 - Upstream Costs and Technology | IHS Markit Event

To register for this event, please click here . Please join the IHS Markit upstream team as we present our latest view of the North American operational landscape. If you have any questions regarding the event, please contact david.vaucher@ihsmarkit.com . *Please note that events are by...

Save an individual document and set an email alert.

Saved content appears in **My Saved** (in the left hand rail).

Global Power & Renewables

Features analysis and data on market fundamentals, the policy landscape, and changing consumer demands.

Global Power and Renewables: North America

Power:

- An updated outlook of wholesale power prices, spreads, and implied heat rates reflecting the latest fossil fuel price outlooks.
- Six reports (covering 21 power markets) and a single overview report, highlighting insights, trends, and assumptions that underpin the North American power market outlook to 2040.
- Primers on 21 North American power markets.
- Data sets detailing announced coal plant retirements, pollution control retrofit projects, and conventional power plant transactions.
- An outlook to 2025 for all the elements of power plant capital costs, including equipment, steel, E&P, electrical cabling, construction labor, and other construction and civil engineering costs.
- Report providing an overview of recent trends and a near-term update to cost trend forecast.

Renewables:

- Quarterly updates on renewable policy developments, offtake contracts, M&A transactions, and development activity; regional renewable energy certificates (REC) supply-demand balances and 10-year outlooks.
- State-level build projections through 2030 for wind, solar, biomass, geothermal, small hydro, and ocean energy markets.
- Technology cost and evolution outlooks for wind, utility, distributed solar PV, and battery storage technologies through 2030.
- A project-by-project breakdown of the top wind and solar asset owners and their recent activity.
- Analysis following key market activity in policy developments, contract announcements, M&A, and competitive activity throughout the renewable energy industry.
- Annual review of M&A activity and trends by technologies and owners.

Global Power and Renewables: Europe

Power:

- Report describing key drivers and long-term demand, supply, and price outlooks.
- GDP, power demand, installed capacity, annual capacity additions, annual generation by technology and country.
- Assumptions and analysis supporting short-term outlook for fuel and carbon, power prices, and spreads.
- Review of EU Emissions Trading System (EU ETS) price drivers—power market dynamics, emissions by sector, offset use, and carbon price outlook.
- Short-term outlook for base-load and peak wholesale power prices.
- Review of key policy developments at EU and national level, affecting supply/demand fundamentals.
- Electricity demand figures split by sector on a yearly, quarterly, and monthly basis.
- Country-specific retail price evolution and breakdown.
- Strategic Reports covering topics relevant for strategic decision-making processes.
- Country profiles covering policy and market fundamentals.

Renewables:

- Support levels for wind, solar, biomass, and other technologies, broken down by country and different scales of technology.
- Outlook to 2025 and background data for green certificate prices in Romania, Poland, Nordics, and the United Kingdom.
- Renewable policy updates, market activity (pipeline development of major players in wind, PV, and biomass).
- Outlook to 2040 for biomass, large and small hydro, pump storage, onshore and offshore wind, solar PV and CSP, geothermal, and ocean.
- M&A activity analysis and transactions database.
- Overview of top 20 renewable energy systems (RES) owners' portfolios (by country, technology) and top 15 owners of large hydro, wind, solar, and biomass.
- Comparative prices and current revenue levels of new-build renewable energy technologies.
- Overview of the solar PV development activity during the previous year; top 20 developers by type of player, project type, and location.
- Executive briefings analyzing recent market developments—industry, technology, and competitive trends.
- Analysis and forecasting of specific geographic, technology, value chain trends affecting renewable markets.

Global Power and Renewables: Latin America

- Report that analyzes capacity additions and changes in reserve margins while providing key power trends and drivers, technology shifts market updates, and a 10-year outlook for supply/demand balance.
- Power demand, installed capacity, annual capacity additions, annual generation by technology and country.
- Historical price report outlining relevant inputs with key highlights and implications; Mexico and Brazil power prices including long-term outlooks for selected industrial and average residential/commercial tariffs.
- Snapshot of the competitiveness of each generation technology in the Brazilian and Mexico powers market.

Global Power and Renewables: Greater China

- Electric power: Data tables; quarterly Market Briefings; wholesale and retail price data; outlooks for provincial demand by sector, supply by technology, and system reserve margins; regional cost of generation; transmission infrastructure outlook; retail tariff outlooks (wholesale and retail for select provinces); and Strategic Reports.
- Company analysis: Power utility profiles updated annually; strategic analysis; company profiles including large power generators, e.g., China Huadian Corporation and China Guodian Corporation.
- Provincial-level analysis: Provincial-level long-term outlooks for power, provincial power insight, and provincial profile.
- Policy and geopolitics: Carbon policy and carbon price outlooks; politics, policy, and regulatory strategic reports.
- Semiannual China services workshops: Half-day events conducted in a roundtable format, limited to 50 participants to maximize discussions and exchanges.

Global Power and Renewables: South and Southeast Asia

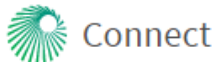
- In-depth analysis of energy market fundamentals and outlooks to 2040: India Power Market Profile, Bangladesh Power Market Profile, Pakistan Power Market Profile, Sri Lanka Energy Market Profile, Myanmar, Philippines, Vietnam, Indonesia, Singapore, Thailand and Malaysia.
- Reviews recent market trends and data, policy changes, and the ways these trends alter the energy landscape: India Power Quarterly.
- Monthly updates of data on power supply, demand, pricing, and infrastructure.
- Timely analysis of market trends and policy announcements, with implications for investors.
- In-depth analysis of power gas sector: Market structure and regulation, fuel supply and demand by sector, energy demand drivers and fuel competition, key market players, and private sector role.
- Historical data and forecasts for energy supply, demand, and infrastructure: Energy supply by fuel and key drivers, power generation, demand, capacity, proposed infrastructure projects, and IHS Markit outlook for development timeline.
- Key investment opportunities and risks by sector and power capacity requirements by fuel.
- Government policy—targets and implementation challenges: Review of key energy policy documents, government power plans, comparison of IHS Markit outlook with government targets, highlighting differences.
- Energy price formation, policy, and fuel price outlooks: Electricity tariffs and power supply costs, drivers and constraints to pricing reforms, and outlook on fuel prices.

Global Power and Renewables: Russian and Caspian Energy

- **Renewable Market Forecasts** (Russia and Caspian only) - Annual, provides country by country forecasts through 2030 of installed MW by country/region.
- **Quarterly Policy Tracker** - Quarterly, database of renewable policies updated quarterly with national targets, incentive levels, and key milestones.
- **Country Snapshots** - Periodic, succinct assessment of the major drivers and inhibitors to renewables build.
- **On Points and Market Briefs** - Periodic, Executive briefings analyzing recent market developments.
- **Russia Watch** - Semi-Annual, features medium-term outlook for drivers of oil, gas, power and investment issues in Russia.
- **Caspian Watch** - Annual, features medium-term outlook for drivers of oil, gas, power and investment issues in the Caspian region.
- **Strategic Reports** - Periodic, provide insight on issues impacting the Russian and Caspian energy markets.

Global Power and Renewables in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [Global Power and Renewables](#).



AgribusinessAutomotiveChemicalEconomics**Energy**Life SciencesMaritime & TradeRiskEnergy Advisory & EV

Upstream Oil and GasOil Markets, Midstream, and Downstream**Gas, Power, and Energy Futures**Mobility Portal

RESEARCH & DATA

Power and Renewables

Global Power and Renewables
European Power Analytics
North American Power Analytics
FastLMP Trial

Regional Integrated

Asia Pacific
Europe
Greater China
Latin America
North America
Russia and Caspian
South and Southeast Asia

Global Fuels

Global Coal
Global Gas
LNG
LNG Analytics

Clean Energy Tech


Global Clean Energy Technology
Batteries and Energy Storage
Hydrogen and Renewable Gas Forum
Solar PV
Wind

Cross Energy

Energy and Climate Scenarios
Strategic Horizons
EnergyView Service Sector

Trial HUB

All Insights and Analytics Trial

RESEARCH A GEOGRAPHY


Global Power and Renewables Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.

Global Power and Renewables

Home

Research

All Research

Featured Research

Key Outlooks

Webinars & Events

Market and Company Profiles

Data

Documentation

Analytics

Market Dashboard

China Provincial Dashboard

Brazil Tech Tracker

India Power and Renewables Tracker

Video Library

My Saved

The **Home** page displays various widgets for **Key Outlook**, **Featured Research**, **Expert Analysis**, **key data visualization**, and more.

Home

Key Outlooks

Japan Electric Power Data Tables: July 2020

10 Jul 2020 - Global Power and Renewables | Data

Southeast Asia Power and Renewables Market Briefing: Start of Southeast Asia's recovery from COVID-19

06 Jul 2020 - Regional Integrated | Market Briefing

South Korea Electric Power Data Tables: June 2020

30 Jun 2020 - Global Power and Renewables | Data

Japan Nuclear Status Tracker

19 Jun 2020 - Global Power and Renewables | Market Briefing

MORE KEY OUTLOOKS

Featured Research

Global geothermal energy

06 Aug 2020 - Global Clean Energy Technology | Strategic Report

North American microgrids: Market activity and drivers

03 Aug 2020 - Global Power and Renewables | Market Briefing

Global onshore wind regional overview

29 Jul 2020 - Global Power and Renewables | Market Briefing

India Power Price Tracker: Third quarter 2020

29 Jul 2020 - Regional Integrated | Market Briefing

MORE FEATURED RESEARCH ALL RESEARCH

Expert Analysis

Ralph Izzo

Cleanman and CEO, Public Service Enterprise Group (PSEG)

H.E. Mohamed Al Hammadi

CEO, Abu Dhabi Future Energy Cooperation (ADFC)

Atul Arya

Senior Vice President, Energy, IHS Markit

Innovating for carbon-free power

Aug 6, 2020

How will major power players respond to a future that demands greater energy but lower emissions? In this CERAWEEK Conversation, industry executives discuss the path to decarbonize the...

MORE VIDEOS

Featured Experts

Xizhou Zhou

Vice President
Beijing, China

Eduard Sala de Vedruna

Executive Director
Paris, France

Anna Shpitsberg

Director
Washington, DC

Francesco d'Avack

Senior Analyst
Paris, France

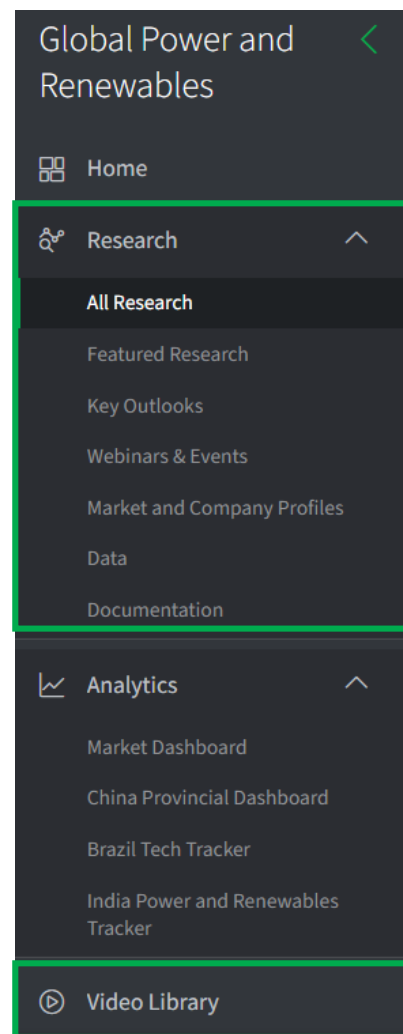
Andrei Utkin

Senior Analyst
Paris, France

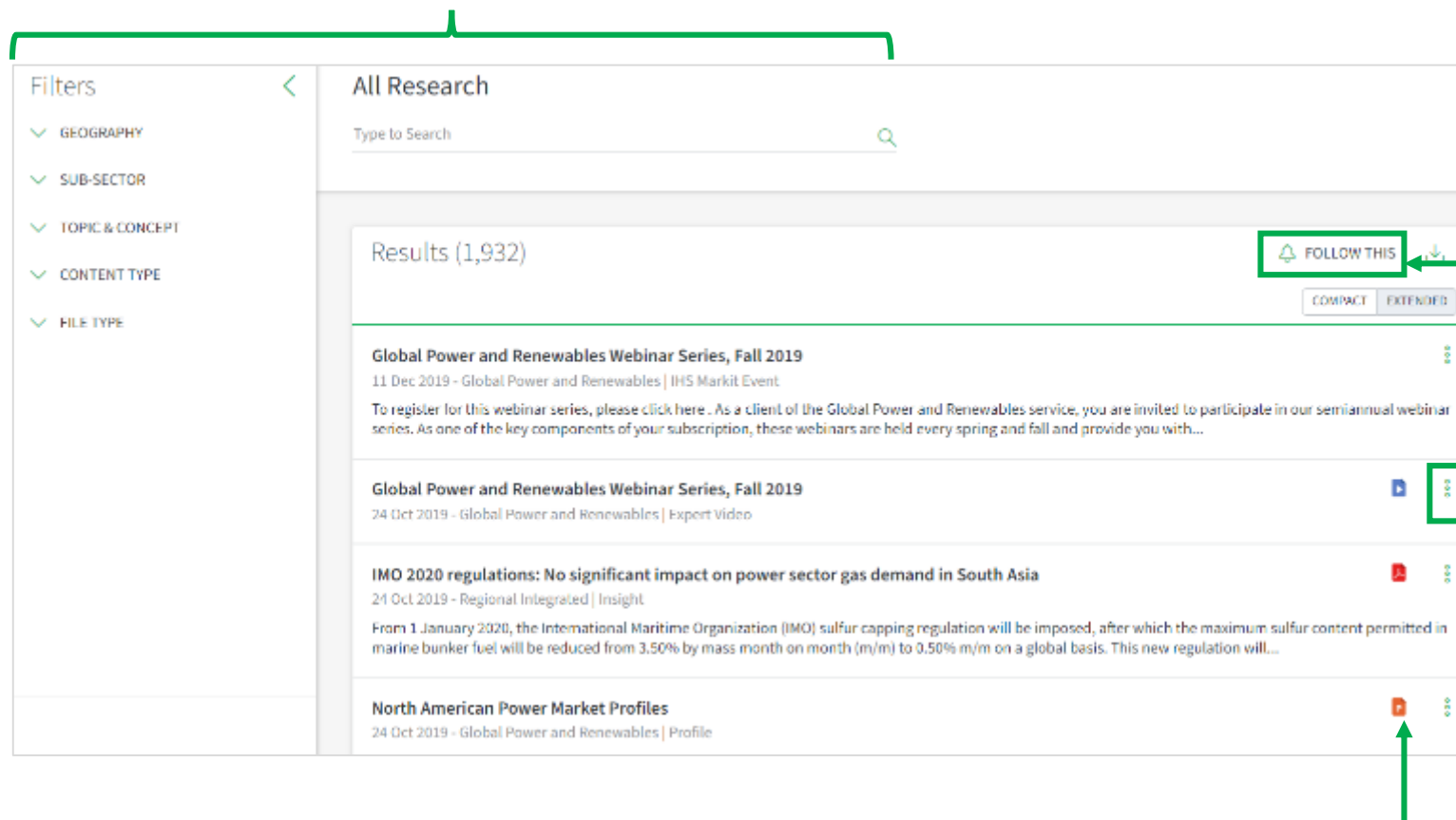
EXPERT DIRECTORY

Global Power and Renewables Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **Global Power and Renewables** research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

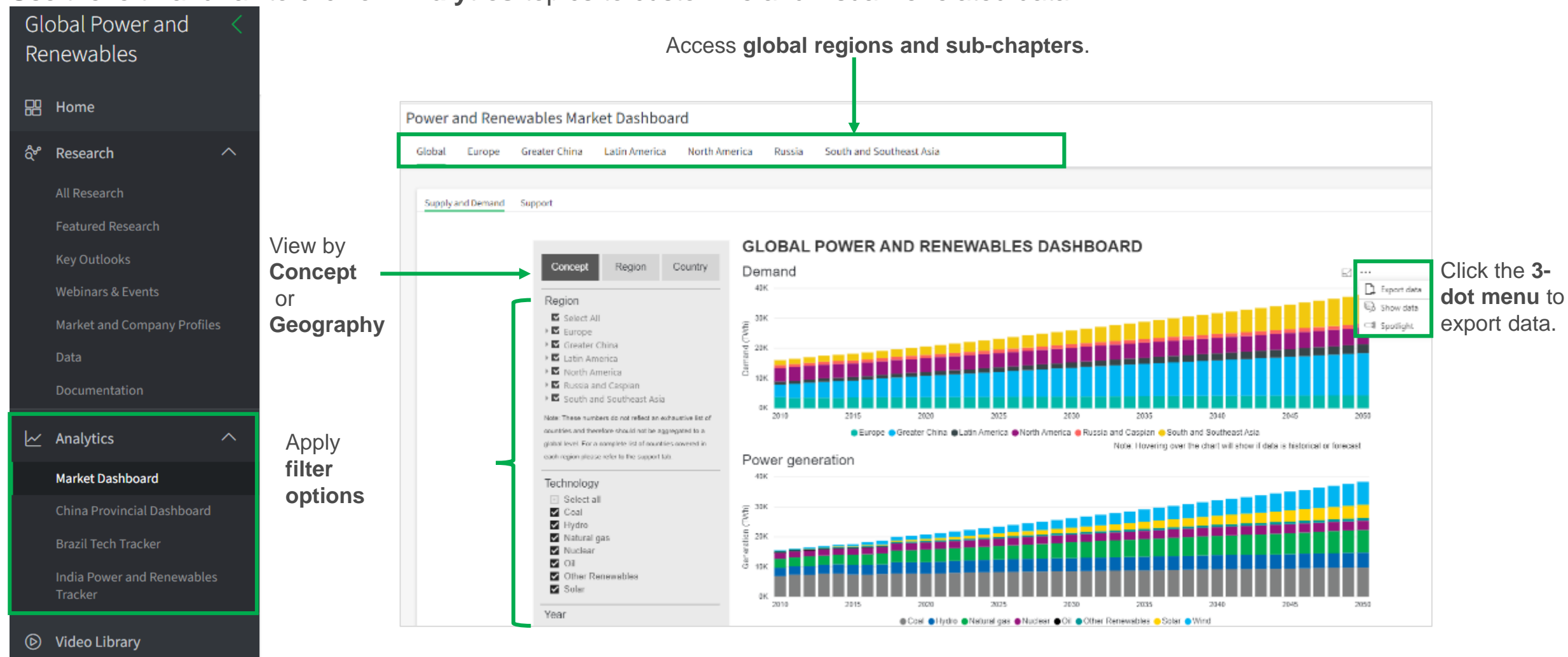
Save an individual document, and **share** with colleagues.

Saved content appears in **My Saved** (in the left hand rail).

View and access **files** quickly.

Global Power and Renewables Analytics

Use the left-hand rail to click on **Analytics** topics to customize and visualize related data.



Coal

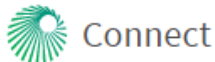
Provides international coal benchmark pricing and market data – from biweekly in-depth reports to real-time email alerts.

Global Steam Coal

- **Global Steam Coal Advisory Service** - Long-term (25yr) outlooks and strategic insight on the global steam coal market.
- **Fundamental analysis that includes** - Supply, demand, cost, price dynamics, as well as freight, carbon, spreads, and arbitrage opportunities.
- **Provides an in-depth understanding of competing fuels and price inflection points**, and independent analysis of the coal and subsidiary industries set within **IHS Global Scenarios and Macroeconomic framework**.
- **Monthly, quarterly, and annual reports** with a 25-year outlook for supply, demand, price, costs curves, freight.
- **Steam Coal Forecaster** – Quarterly review of Global Steam Coal trade.
- **18-24 month outlook for global steam coal trade and data.**
- **Country-by-country demand and supply analysis.**
- **Stockpiles (producers & consumers)**
- **Hydro and generation activity**, Rail and port developments
- **Detailed forecast of supply, demand and freights.**
- **Conclusions about steam coal price outlooks.**
- **Analysis of Atlantic & Pacific steam coal markets.**
- **Alerts of impending market shortages or surpluses, indicating price direction.**
- **Full access to our online data center.**
- **Full access to our coal research team.**
- **Invitations to executive member forums, webinars, and conference calls/events** to engage with our analysts and with peers / colleagues within our coal community.

Global Coal in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [Global Coal](#).




AgribusinessAutomotiveChemicalEconomics**Energy**Life SciencesMaritime & TradeRiskEnergy Advisory & EV

Upstream Oil and GasOil Markets, Midstream, and Downstream**Gas, Power, and Energy Futures**Mobility Portal

RESEARCH & DATA

Power and Renewables Global Power and Renewables European Power Analytics North American Power Analytics FastLMP Trial	Regional Integrated Asia Pacific Europe Greater China Latin America North America Russia and Caspian South and Southeast Asia	Global Fuels Global Coal Global Gas LNG LNG Analytics	Clean Energy Tech Global Clean Energy Technology Batteries and Energy Storage Hydrogen and Renewable Gas Forum Solar PV Wind	Cross Energy Energy and Climate Scenarios Strategic Horizons EnergyView Service Sector Trial HUB All Insights and Analytics Trial
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RESEARCH A GEOGRAPHY



Global Coal Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.

Global Coal
<

Home

Reports
^

All

Newswire Alerts

Featured Insight

Publications

Research & Analysis

Country & Market Profiles

Prices & Data

Webinars & Events

Documentation & Methodology

Video Library

Analytics

My Saved

The **Home** page displays various widgets for **News & Commentary**, **Featured Insight**, **Expert Analysis**, **key data visualization**, and more.

Global Coal

News & Commentary

Southeast Asia could be next target for US thermal exports
18 Oct 2019 - McCloskey Coal Report - Industry Intelligence
Southeast Asia could be the next hotspot for United States (US) thermal coal exports, helping to replace declining shipments to Europe. Asia, specifically Southeast Asia, was a hot topic at IHS Markit's North American Export Coal & Gas Summit in San Francisco. Attendees spotlighted Southeast...

Colombian thermal stockpiles surge on year amid weak global market
18 Oct 2019 - Newswire MCR
Combined thermal coal stockpiles in Colombia were 3.32 mt on 16 October, a more than seven-fold increase from 0.46 mt a year ago, as production remained strong despite a weak global market. The latest week's stockpiles remained flat from 3.33 mt on 25 September and down about 4% from 3.45 mt on...

Asian coal burn rises, but some shift away
18 Oct 2019 - McCloskey Coal Report
Coal-fired power generation has grown on many Asian power grids this year, although some shifts away from the major regional fuel source have emerged. While the giant economies of China and India continue to grow their power generation, albeit at a slower rate than recently, there has been a...

Australian vessel queues on the rise
18 Oct 2019 - Newswire MCR
Australian vessel queues were on the rise this week, but Hunter Valley miners expect shipments to be stable in the near term. In Queensland, there were few supply issues, with vessel queues unlikely to extend beyond normal levels in the short term. The number of vessels in the Dalrymple Bay Coal...

Coal to remain king in South Africa's new long-term energy policy
18 Oct 2019 - Newswire MCR
Steam coal's contribution to South Africa's energy mix will fall over the next decade, but the fossil fuel will remain by far the main source for Eskom's power stations, despite the rise of gas and renewables, said the minister for mineral resources and energy. Minister Gwede Mantashe on Friday...

Yancoal looks to Japanese recovery for Q4 boost
18 Oct 2019 - Newswire MCR
Chinese-backed Australian producer, Yancoal, is looking for a boost from Japan in the fourth quarter, anticipating a recovery in demand for high quality coal as several plants return from maintenance and disruptions arising from Typhoon Hagibis. "Demand recovery from the Japanese power sector...

Transnet expects to reopen rail line shut by train collision by Monday
18 Oct 2019 - Newswire MCR
South Africa's rail operator Transnet hopes within days to reopen a coal and freight export rail line between Thabazimbi and Richards Bay, which was shut earlier this week due to a deadly train collision. A Richards Bay-bound train with 100 loaded coal wagons collided with a stationary...

Mechel expands Asia coal portfolio with STX deal
17 Oct 2019 - Newswire MCR
Russian coking coal and metals producer Mechel has signed a one-year supply deal with Asian trading house STX Corporation. It has agreed to supply up to 1.20 mt of coking coal, thermal coal and PCI from its Southern Yakutia mine starting from January through to December 2020, according to a...

Indian industry offers mixed view on govt's National Coal Index plan
18 Oct 2019 - Newswire MCR
Indian companies have mixed views on a proposed National Coal Index that the government hopes will attract larger participation in the forthcoming auction of coal blocks for commercial mining. While those keen to take up commercial blocks believe such an index could offer global price parity...

Vietnam's imports slip to seven-month low
17 Oct 2019 - Newswire MCR
Vietnam's coal imports slipped in September, coming off from the record levels seen in prior months. The tonnage was down 38% on the month to 3.03 mt, from 4.85 mt in August, the country's latest customs data show. The drop appears to be the result of lower power production and higher domestic...

Featured Insight

India State Energy Profile: Karnataka
03 Oct 2019

Global Coal Imports and Exports by Quality, September 2019
25 Sep 2019

Japan Coal Profile
19 Sep 2019

Sri Lanka Energy Market Profile
13 Sep 2019

India Coal Market Briefing: Third quarter 2019
12 Sep 2019

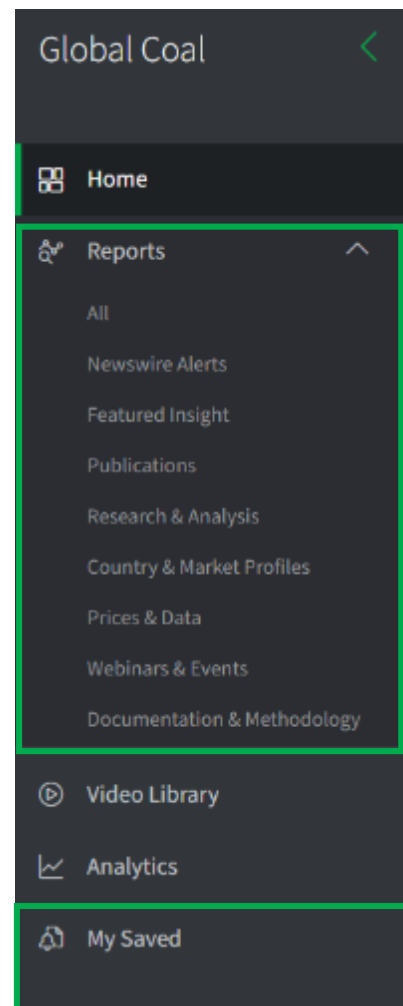
Malaysia Coal Profile
30 Aug 2019

India Coal Profile
30 Aug 2019

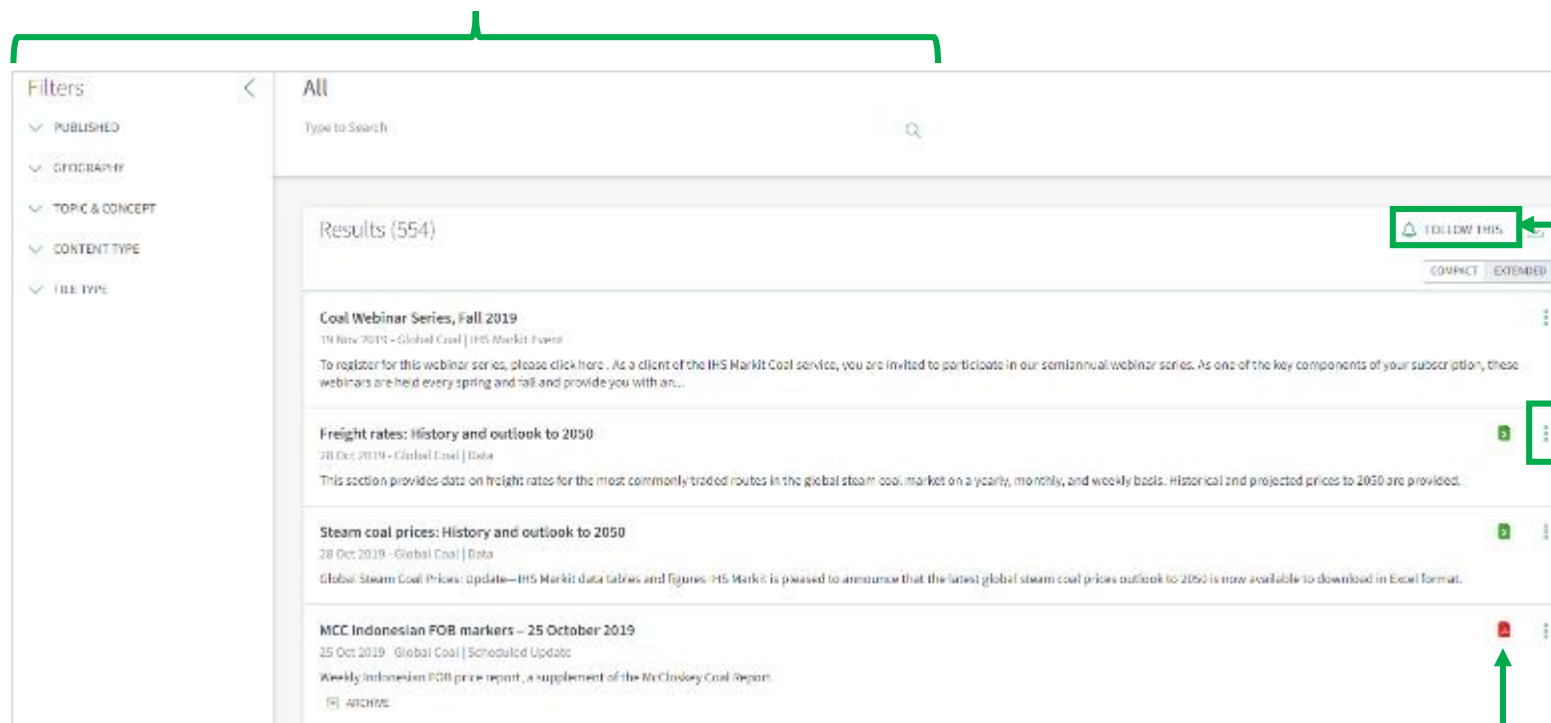
Coal-gas competition: Are today's cheap gas prices posing any real threat to coal-fired generation?
12 Aug 2019

Global Coal Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **Global Coal** research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

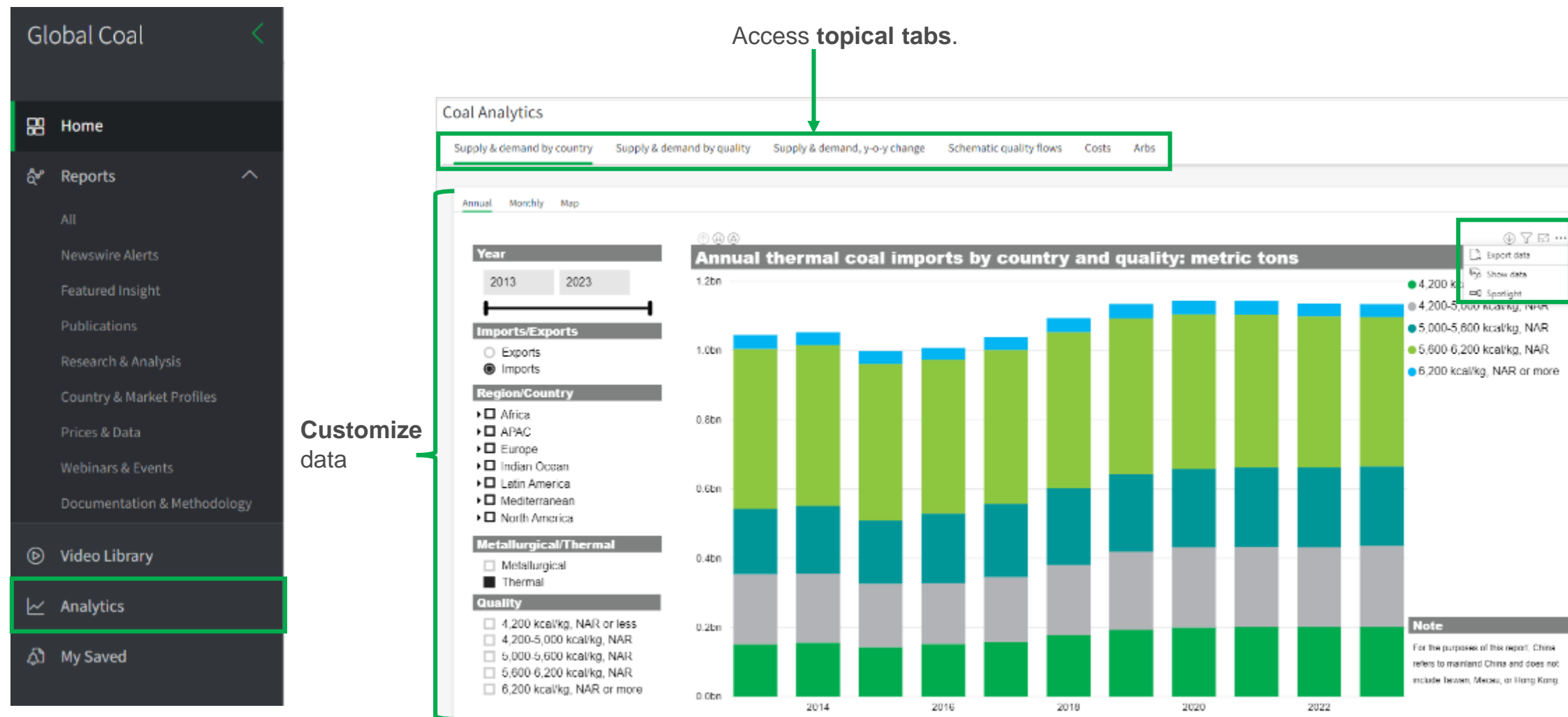
Save an individual document, and **share** with colleagues.

Saved content appears in **My Saved** (in the left hand rail).

View and access **files** quickly.

Global Coal Analytics

Use the left-hand rail to click on **Analytics** topics to customize and visualize related data.



Energy and Climate Scenarios

Climate policies, Energy Scenarios, Low emission pathways

Climate and Energy Scenarios combined provide ongoing analysis, insights and forecasts that will shape future investments

Climate policies, actions and metrics

- Country climate policies and targets, profiles and insights
- Company climate actions
- Technologies and costs
- Interaction of policies and energy scenarios
- Ongoing analysis, insights and briefings

Global energy scenarios to 2050

- Three integrated, plausible future pathways for primary energy use
- Growth of oil, gas, coal, renewables and other fuels
- Sector and key country demand outlooks
- Quarterly Signposts report and discussion

Low emissions pathways

- Two pathways to meet the Paris Climate targets
- Implications for primary energy fuels and markets
- Constructed with client input to future technologies, efficiencies, carbon capture and other mitigating factors

Climate Policy, Analysis, Databases:

- **Climate country profiles:** Includes the G20, Alberta, and California. The profiles provide detailed information on each country's approach to climate change and air quality, including emissions data, economy-wide and sector-specific climate change mitigation, adaptation policies and measures, and air quality standards.
- **Country benchmarks:** Climate and Air Quality Policy Dataset and Indexes for G20. Power Supply Transition Index released in Q1 2019, upstream oil and gas and transport policy assessments slated for 2019.
- **Emissions data and long-term projections:** Climate-focused dataset covering key emissions drivers and displacement factors in IHS Markit scenarios
- **Carbon pricing:** Global carbon market, carbon tax and company carbon prices and price forecasts for key cap-and-trade markets in Europe, North America, and Asia.
- **Company intelligence:** Inventory of energy company peer group-level indicators and targets, including emissions and emissions reduction measures, alignment with Task Force on Climate-related Financial Disclosure recommendations, use of scenarios and engagements with renewables for oil & gas and power companies.
- **NDC emissions outlooks:** Bottom-up analysis of the nationally determined contribution (NDC) to the Paris Climate Agreement that allows comparisons and assessment of the impact of the NDCs on global emissions in 2030 and measurement of the “ambition gap” in 2030.

Climate Policy, Analysis, Databases Continued:

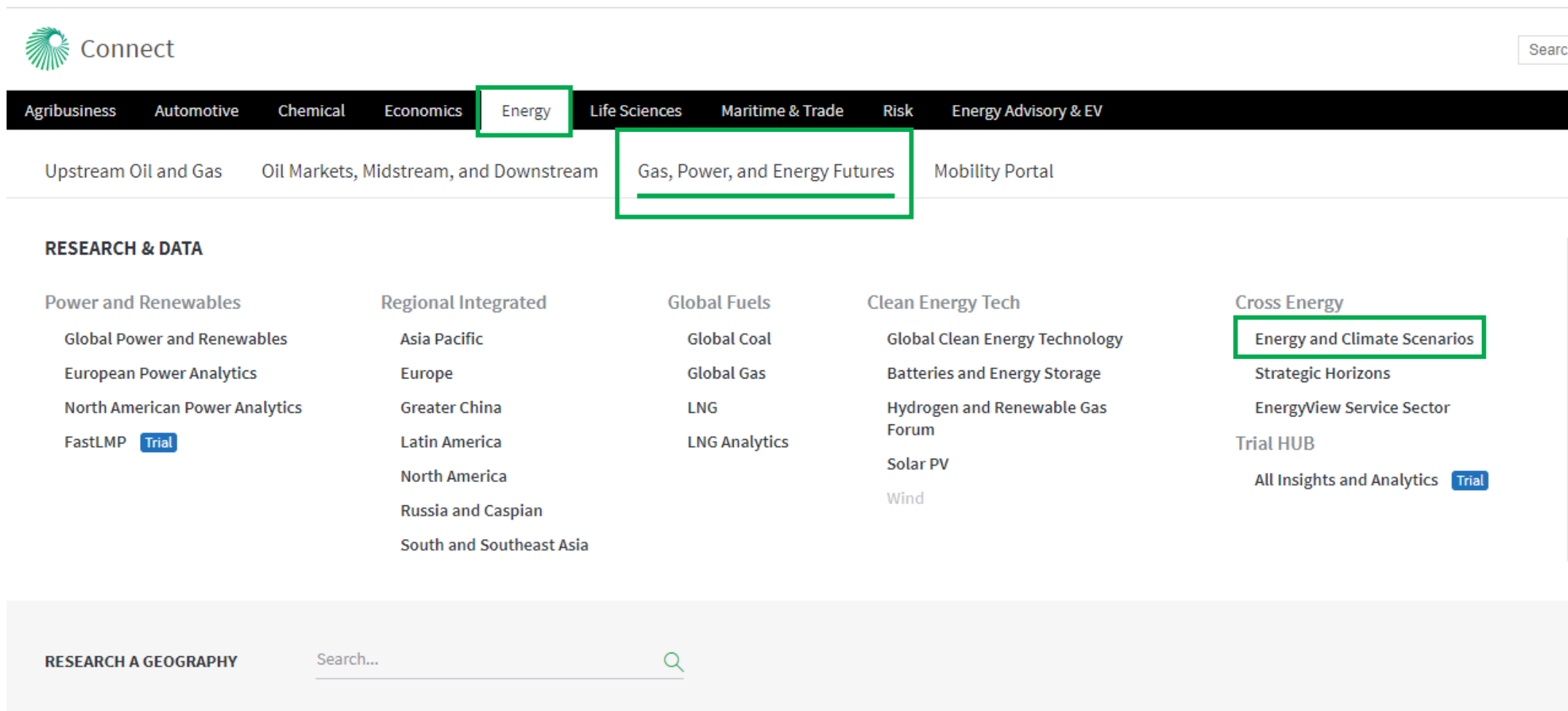
- **Carbon capture project and policy tracking:** Carbon Capture Use and Storage (CCUS) Projects and Policy dashboard, which provides data analytics for all existing and planned CCUS projects and policies worldwide.
- **Energy Transition Indicator monitoring:** IHS Markit tracks a set of energy transition indicators (ETIs) to represent the scale and pace at which the energy transition is advancing in the wake of the Paris Agreement. Data component complemented by regular insights.
- **Analysis:** Exclusive special reports on climate and carbon-related topics from Climate and Carbon analysts and subject matter experts from across IHS Markit.

Global Energy Scenarios and Low Emission Scenarios Deliverables

- **Energy scenario narrative reports** that describe three distinct energy futures to 2050 (refreshed once a year)
- **Annually updated datasets with outlooks to 2050**; includes detailed global, regional and major country-level outlooks that cover key metrics for economic growth; oil, gas, coal, nuclear, hydro, wind, solar, electric power; and CO₂ emissions.
- **Annually updated energy scenario summary PowerPoint reports** provide summaries of the updates made to the 2050 outlooks and of the key assumptions and storylines for oil, gas, coal and power under each scenario.
- **Annually updated outlooks for two IHS Markit low emissions cases**; includes detailed datasets showing the outlooks for two modeled “cases” designed to portray long-term energy demand outlooks of futures where current climate targets are reached by 2100. Also includes a short report highlighting the key assumptions behind each case.
- **Annually-updated PPT slide deck that compares our three global energy scenarios and our two low emissions case outlooks** with other long-term energy outlooks from across industry, governments and agencies such as the IEA.
- **Periodic energy scenarios Signposts reports** assess key near-term trends and events to provide an “early warning system” for potential changes in scenario path (updated three times per year).
- **Periodic Signpost-related research reports** briefly highlight specific indicators or trends affecting potential shifts in long-term energy paths.
- **Global Energy Scenarios Analytics Tool** is a visualization tool on IHS Markit Connect that provides online access to the data posted in the IHS Markit Global Scenarios datasets.

Energy and Climate Scenarios in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [Energy and Climate Scenarios](#).



The screenshot shows the IHS Markit Connect website interface. At the top, the 'Connect' logo is on the left and a search bar is on the right. Below the logo is a horizontal navigation bar with the following categories: Agribusiness, Automotive, Chemical, Economics, **Energy**, Life Sciences, Maritime & Trade, Risk, and Energy Advisory & EV. The 'Energy' category is highlighted with a green box. Below this bar, there are four sub-categories: Upstream Oil and Gas, Oil Markets, Midstream, and Downstream, **Gas, Power, and Energy Futures** (highlighted with a green box), and Mobility Portal. Below these, the 'RESEARCH & DATA' section is displayed, organized into five columns: Power and Renewables, Regional Integrated, Global Fuels, Clean Energy Tech, and Cross Energy. The 'Cross Energy' column contains the link 'Energy and Climate Scenarios', which is highlighted with a green box. Other links in this column include Strategic Horizons, EnergyView Service Sector, Trial HUB, and All Insights and Analytics (with a 'Trial' button). At the bottom, there is a 'RESEARCH A GEOGRAPHY' section with a search bar and a magnifying glass icon.

Energy and Climate Scenarios Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.

Energy and Climate Scenarios <

Home

Research

All

Energy Scenarios & Low Emission Outlooks

Data, Analytics & Indices

Strategic Insights & Profiles

Webinars & Events

Documentation

Energy and Climate Scenarios Analytics

Country Climate Analytics

Video Library

API

My Saved

The **Home** page displays various widgets for **Featured Research**, **Outlooks**, **Data & Analytics**, and more.

Energy and Climate Scenarios

Featured Research

IHS Markit Energy and Climate Scenarios company climate reference dataset—Select oil and gas companies

25 Oct 2019 - Climate and Carbon | Data

IHS Markit Madrid Energy Briefing, October 2019: Toward the energy transition: Projections, policies, and progress

15 Oct 2019 - Energy and Climate Scenarios | IHS Markit Event

IHS Markit Milan Energy Briefing, October 2019: Toward the energy transition: Projections, policies, and progress

02 Oct 2019 - Climate and Carbon | IHS Markit Event

More countries set net-zero emission targets: How could they get there?

30 Sep 2019 - Energy and Climate Scenarios | Insight

ALL RESEARCH

Energy Scenarios & Low Emission Outlooks

IHS Markit Global Scenarios 2019 update: Coal summary

08 Aug 2019 - Energy and Climate Scenarios | Scheduled Update

IHS Markit Global Scenarios 2019 update: Executive overview

02 Jul 2019 - Global Scenarios | Scheduled Update

IHS Markit Global Scenarios 2019 update: Oil summary

26 Jul 2019 - Global Scenarios | Scheduled Update

IHS Markit Global Scenarios 2019 update: Gas summary

26 Jul 2019 - Global Scenarios | Scheduled Update

MORE ENERGY SCENARIOS & LOW EMISSION OUTLOOKS

Climate Profiles & Indices

Oil and Gas Emissions Policy Index, August 2019

29 Aug 2019 - Energy and Climate Scenarios | Profile

Power Supply Transition Index, August 2019

20 Aug 2019 - Climate and Carbon | Profile

Climate and air quality policy database, July 2019 update

29 Jul 2019 - Climate and Carbon | Profile

Climate Profile: Canada

16 Jul 2019 - Climate and Carbon | Profile

MORE CLIMATE PROFILES & INDICES

Data & Analytics

IHS Markit Energy and Climate Scenarios company climate reference dataset—Select oil and gas companies

25 Oct 2019 - Climate and Carbon | Data

Paris Agreement targets and IHS Markit GHG emissions forecasts, August 2019

08 Aug 2019 - Energy and Climate Scenarios | Data

Carbon capture storage and utilization projects and policies dashboard: Summer 2019

03 Aug 2019 - Climate and Carbon | Data

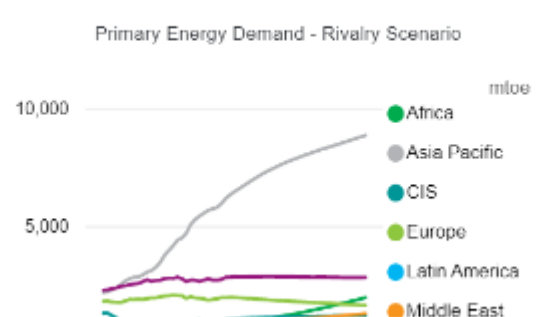
2019 update to the Rivalry energy data set

25 Jul 2019 - Global Scenarios | Data

MORE DATA & ANALYTICS

Global Scenarios Analytics

Primary Energy Demand - Rivalry Scenario



ACCESS GLOBAL SCENARIOS ANALYTICS

Strategic Insights

More countries set net-zero emission targets: How could they get there?

30 Sep 2019 - Energy and Climate Scenarios | Insight

The top 10 greenhouse gas emission growth markets are all emerging economies

20 Sep 2019 - Climate and Carbon | Insight

Carbon capture: Large projects and pilots finally turn net positive

05 Sep 2019 - Climate and Carbon | Insight

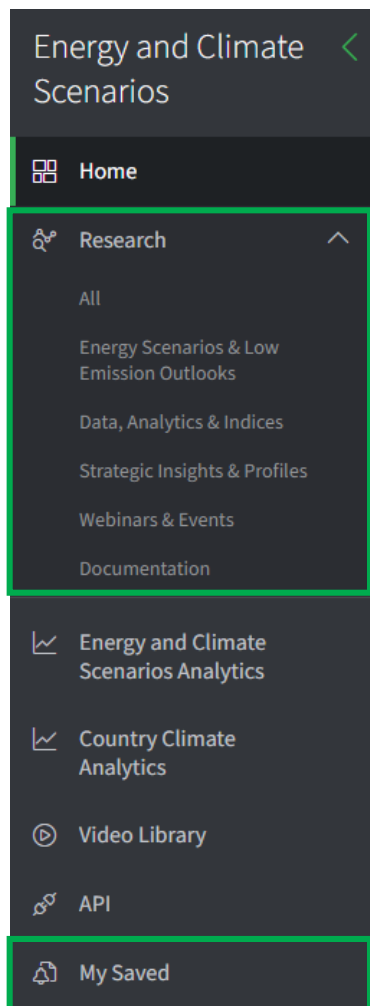
TCFD status update underscores strengths and weaknesses of current climate disclosure approach

20 Jun 2019 - Climate and Carbon | Insight

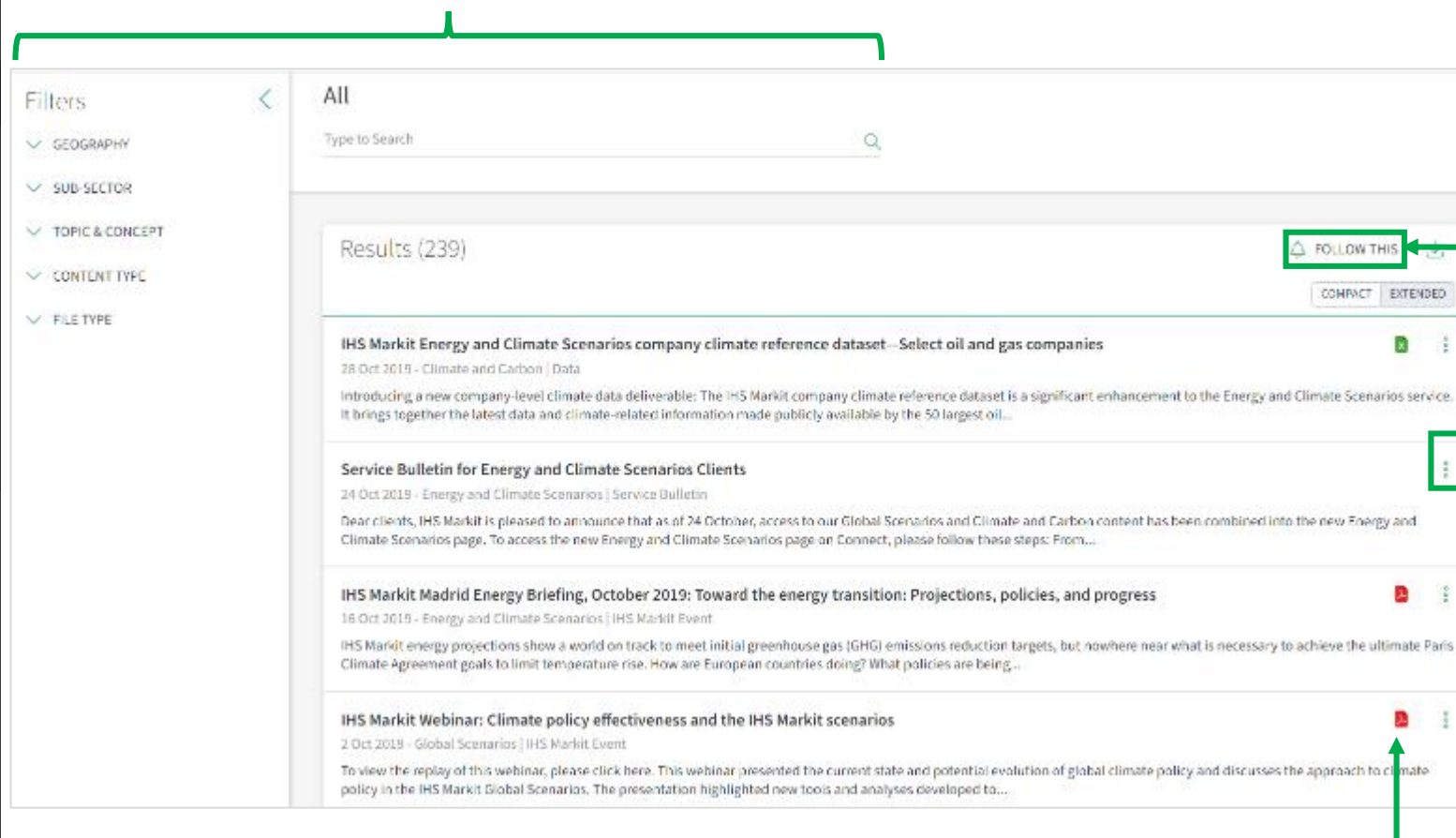
MORE STRATEGIC INSIGHTS

Energy and Climate Scenarios Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **Energy and Climate Scenarios** research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

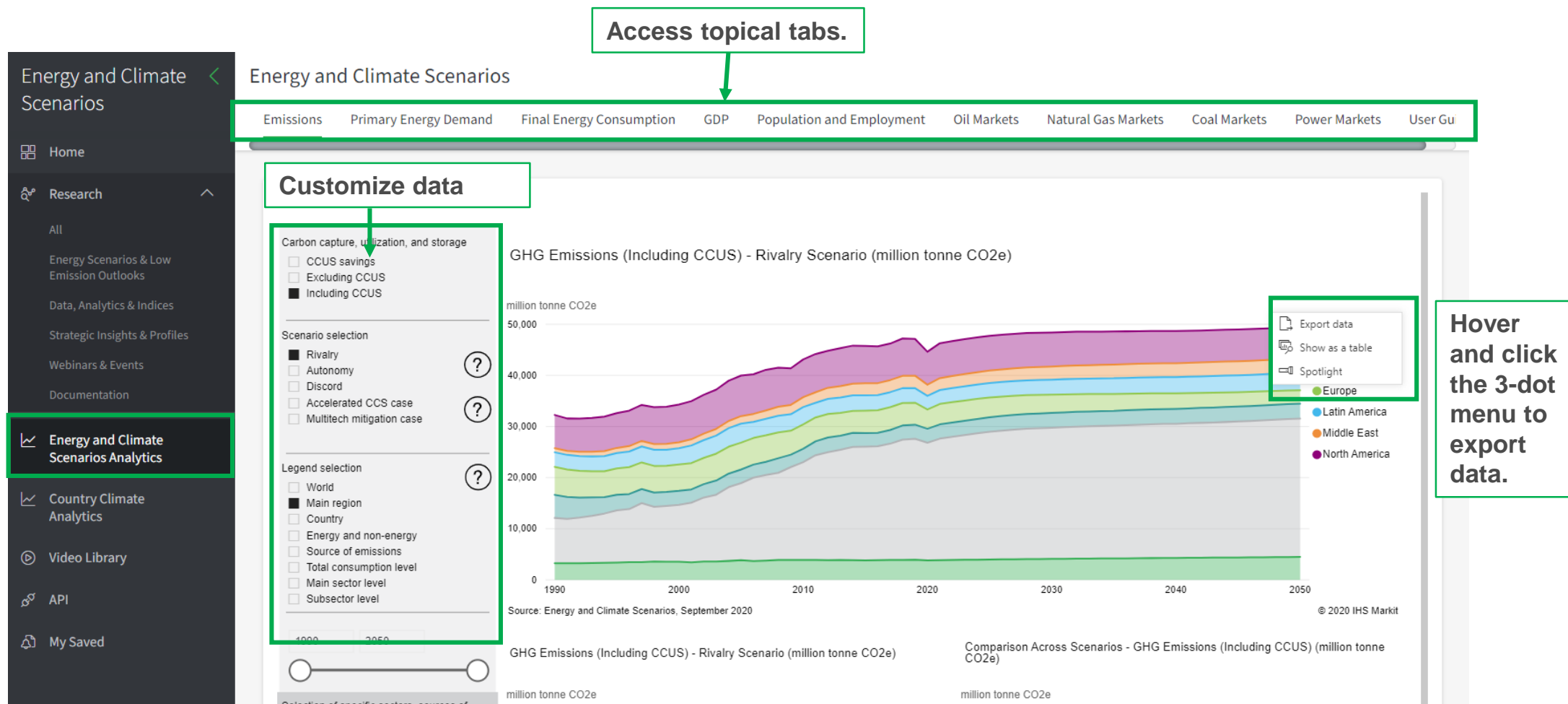
Save an individual document and **share** with colleagues.

Saved content appears in **My Saved** (in the left handrail).

View and access **files** quickly.

Energy and Climate Scenarios Analytics

Use the left-hand rail to click on **Energy and Climate Scenarios Analytics** topics to customize and visualize related data.



Climate Analytics

Use the left-hand rail to click on **Country Climate Analytics** topics to customize and visualize related data.



Strategic Horizons

Executive briefings on changing market and geopolitical conditions in the oil and gas industry to anticipate trends and position for competitive advantage.

Strategic Horizons

Written Executive Analysis & Briefings

Designed for senior energy executives and strategic thinkers, the service delivers 140-150 annual briefings covering key trends and forward-looking views of IHS Markit experts across the energy value chain.

The service synthesizes the detailed research from across IHS Markit Energy services into short, 2-4 page summaries including forecasts, analysis, charts and graphs. (underlying data remains with the original IHS subscription).

It covers oil markets, upstream oil and gas, LNG, downstream, renewables, global economics and geopolitics.

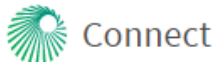
Briefings are delivered via email attachment in pdf format.

Quarterly webinars present industry trends in a presentation and discussion format.

In-person quarterly briefings are offered as an additional option.

Strategic Horizons in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > Click on [Strategic Horizons](#) topics.




AgribusinessAutomotiveChemicalEconomics**Energy**Life SciencesMaritime & TradeRiskEnergy Advisory & EV

Upstream Oil and GasOil Markets, Midstream, and Downstream**Gas, Power, and Energy Futures**Mobility Portal

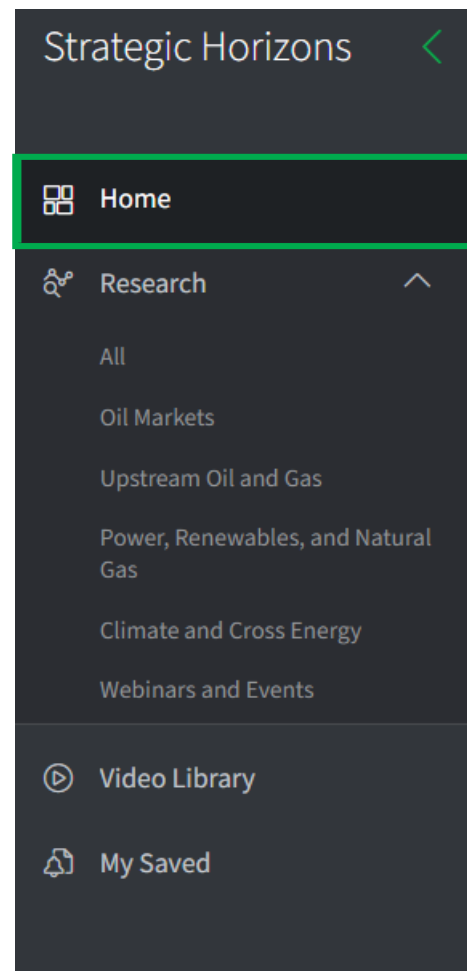
RESEARCH & DATA

Power and Renewables	Regional Integrated	Global Fuels	Clean Energy Tech	Cross Energy
Global Power and Renewables	Asia Pacific	Global Coal	Global Clean Energy Technology	Energy and Climate Scenarios
European Power Analytics	Europe	Global Gas	Batteries and Energy Storage	Strategic Horizons
North American Power Analytics	Greater China	LNG	Hydrogen and Renewable Gas Forum	EnergyView Service Sector
FastLMP Trial	Latin America	LNG Analytics	Solar PV	Trial HUB
	North America		Wind	All Insights and Analytics Trial
	Russia and Caspian			
	South and Southeast Asia			

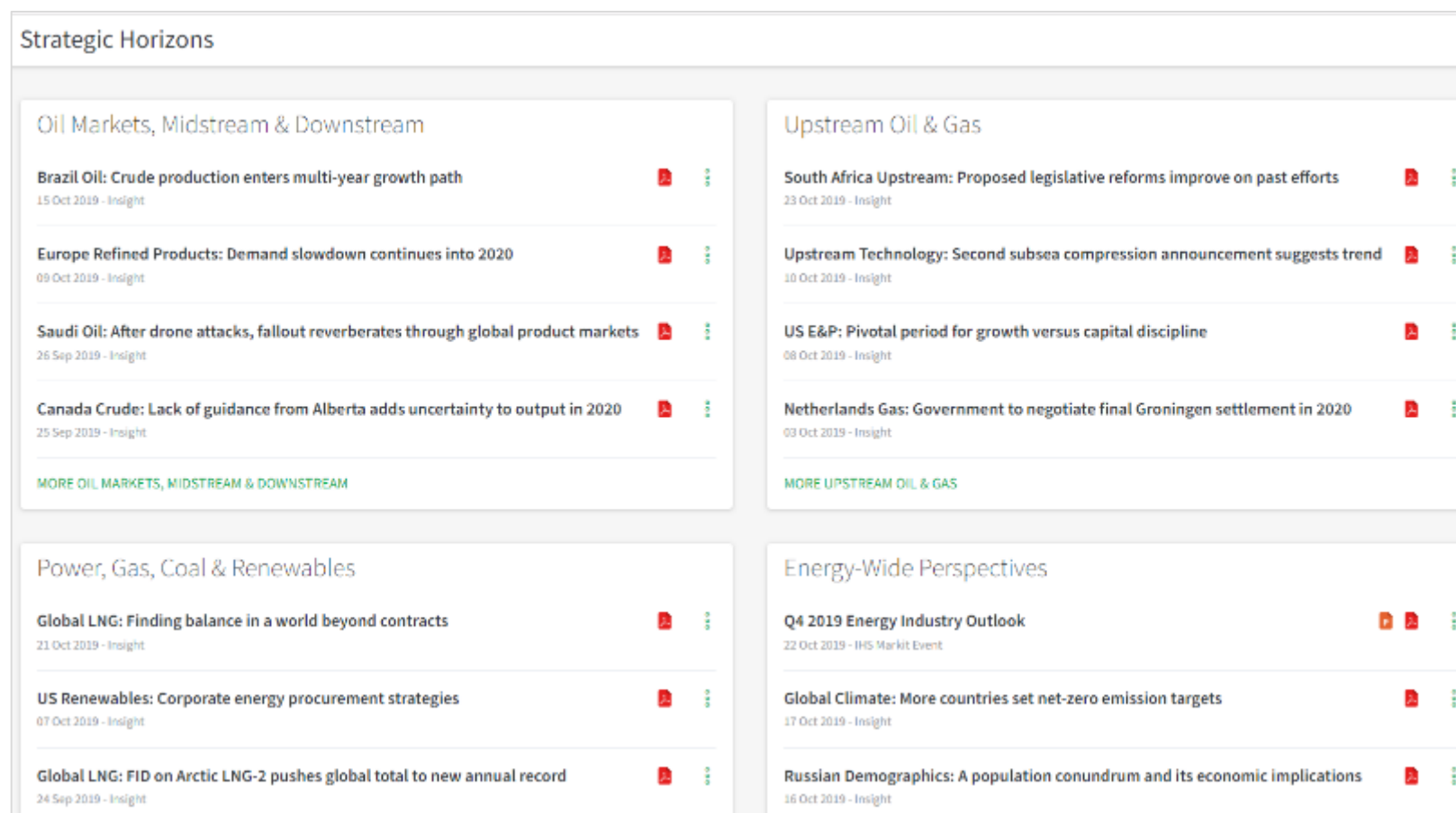
RESEARCH A GEOGRAPHY


Strategic Horizons Home Page

Use the left-hand rail to browse research and analysis under **Home** and **Research** and data visualization under **Analytics**.

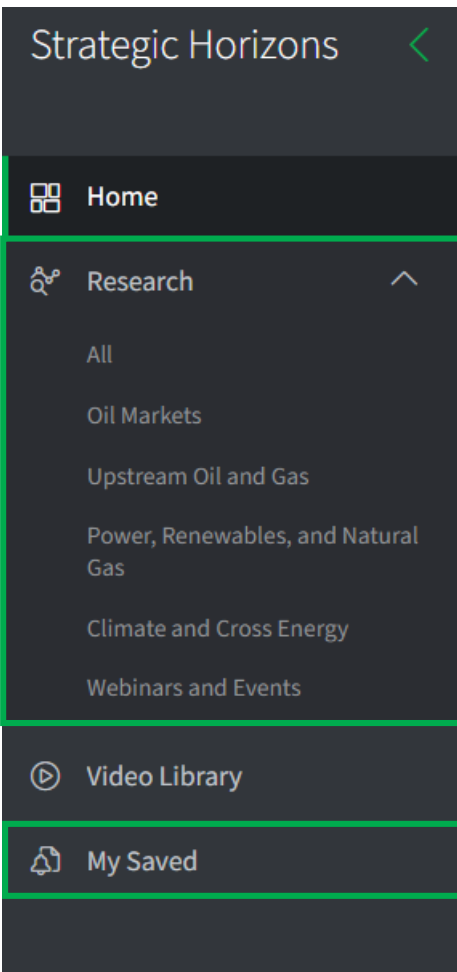


The **Home** page displays **Featured Research**, **Featured Experts**, and **Webinars & Events**.

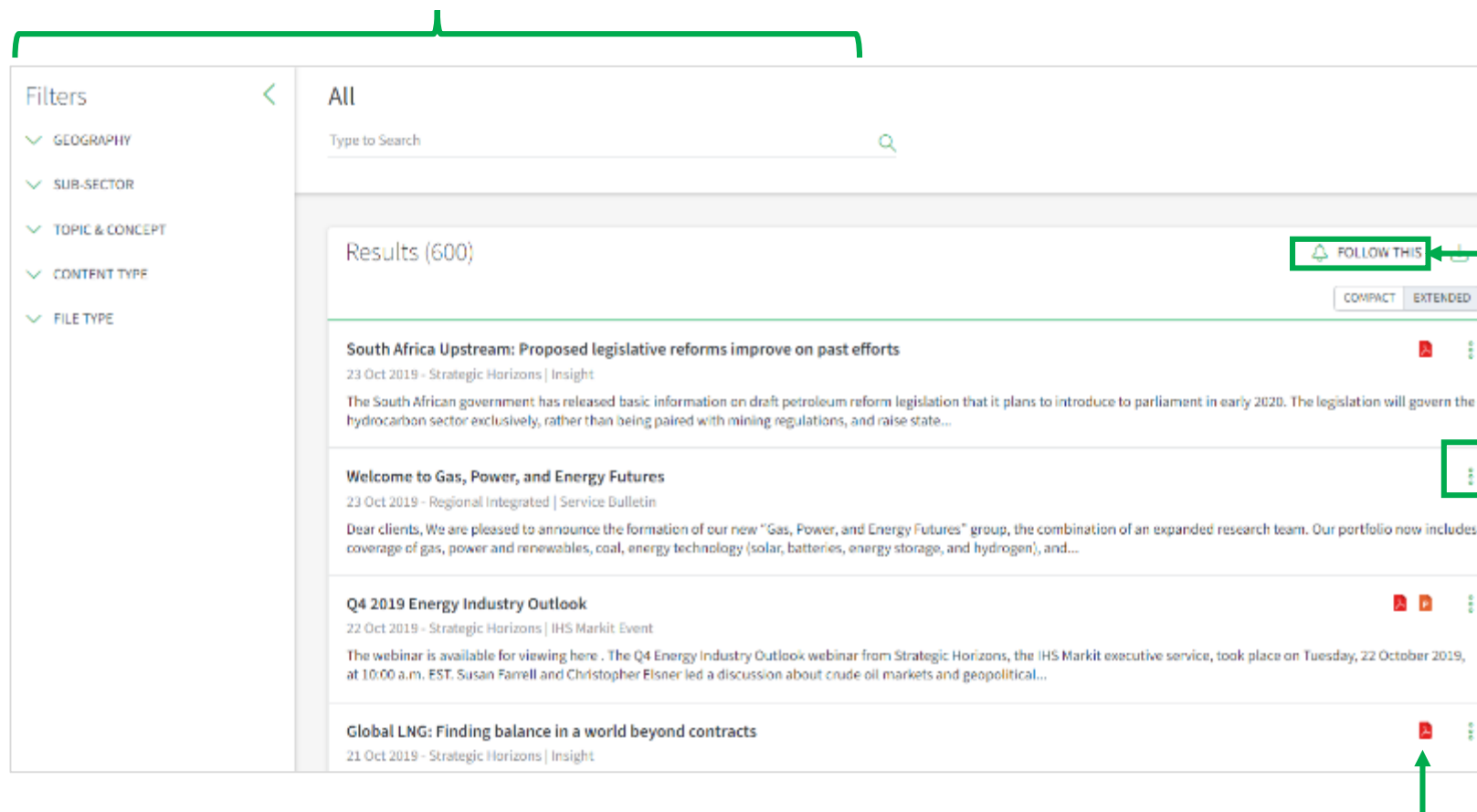


Strategic Horizons Research Pages

Use the left-hand rail to click on **Research topics** to browse and narrow down **Energy and Climate Scenarios** research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

Save an individual document, and **share** with colleagues.

Saved content appears in **My Saved** (in the left hand rail).

View and access **files** quickly.

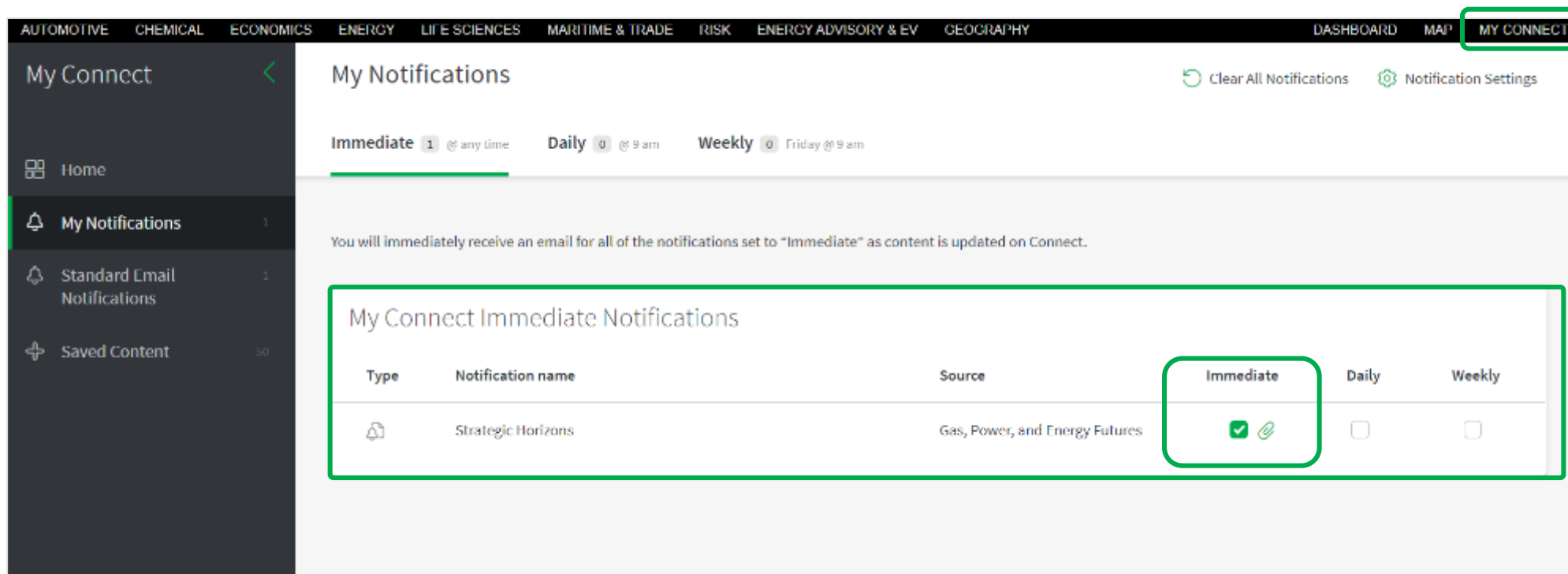
Strategic Horizons Email Alert with PDF Attachment

Click on [My Connect](#) in the black menu bar to set your email alert.



Locate **Strategic Horizons** in the **Standard Email Notifications** section.

Select the **Immediate** box and then the **paperclip icon** to send the memos as a PDF attachment directly to your inbox.

The **Daily** and **Weekly** options will send an aggregated alert each day/week. The pdf attachment option is not available.



The screenshot shows the 'My Connect' interface. The top navigation bar includes categories like AUTOMOTIVE, CHEMICAL, ECONOMICS, ENERGY, LIFE SCIENCES, MARITIME & TRADE, RISK, ENERGY ADVISORY & EV, and GEOGRAPHY. On the right, there are links for DASHBOARD, MAP, and MY CONNECT (highlighted with a green box). The left sidebar shows 'My Connect' with a back arrow, and a list of items: Home, My Notifications (highlighted with a green box), Standard Email Notifications, and Saved Content. The main content area is titled 'My Notifications' and includes links for 'Clear All Notifications' and 'Notification Settings'. Below this, there are tabs for 'Immediate' (1 @ any time), 'Daily' (0 @ 9 am), and 'Weekly' (0 Friday @ 9 am). A message states: 'You will immediately receive an email for all of the notifications set to "Immediate" as content is updated on Connect.' A section titled 'My Connect Immediate Notifications' contains a table with the following data:

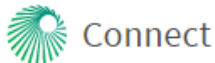
Type	Notification name	Source	Immediate	Daily	Weekly
	Strategic Horizons	Gas, Power, and Energy Futures	<input checked="" type="checkbox"/> 	<input type="checkbox"/>	<input type="checkbox"/>

EnergyView Service Sector

Compiles all available research (Upstream, Oil Markets, Gas, Power, etc.) in one area.

EnergyView Service Sector in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [EnergyView Service Sector](#) under the **Cross Energy** section.




Agribusiness
Automotive
Chemical
Economics
Energy
Life Sciences
Maritime & Trade
Risk
Energy Advisory & EV

Upstream Oil and Gas
Oil Markets, Midstream, and Downstream
Gas, Power, and Energy Futures
Mobility Portal

RESEARCH & DATA

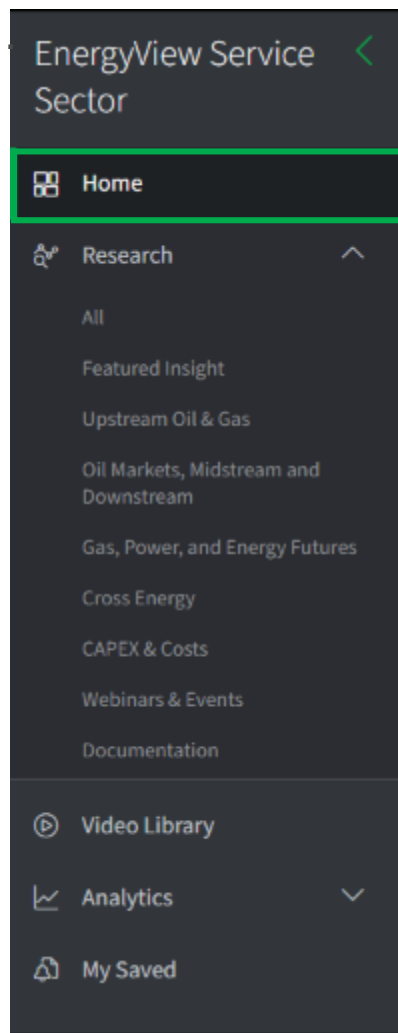
Power and Renewables	Regional Integrated	Global Fuels	Clean Energy Tech	Cross Energy
Global Power and Renewables	Asia Pacific	Global Coal	Global Clean Energy Technology	Energy and Climate Scenarios
European Power Analytics	Europe	Global Gas	Batteries and Energy Storage	Strategic Horizons
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FastLMP Trial	Latin America	LNG Analytics	Solar PV	Trial HUB
	North America		Wind	All Insights and Analytics Trial
	Russia and Caspian			
	South and Southeast Asia			

RESEARCH A GEOGRAPHY

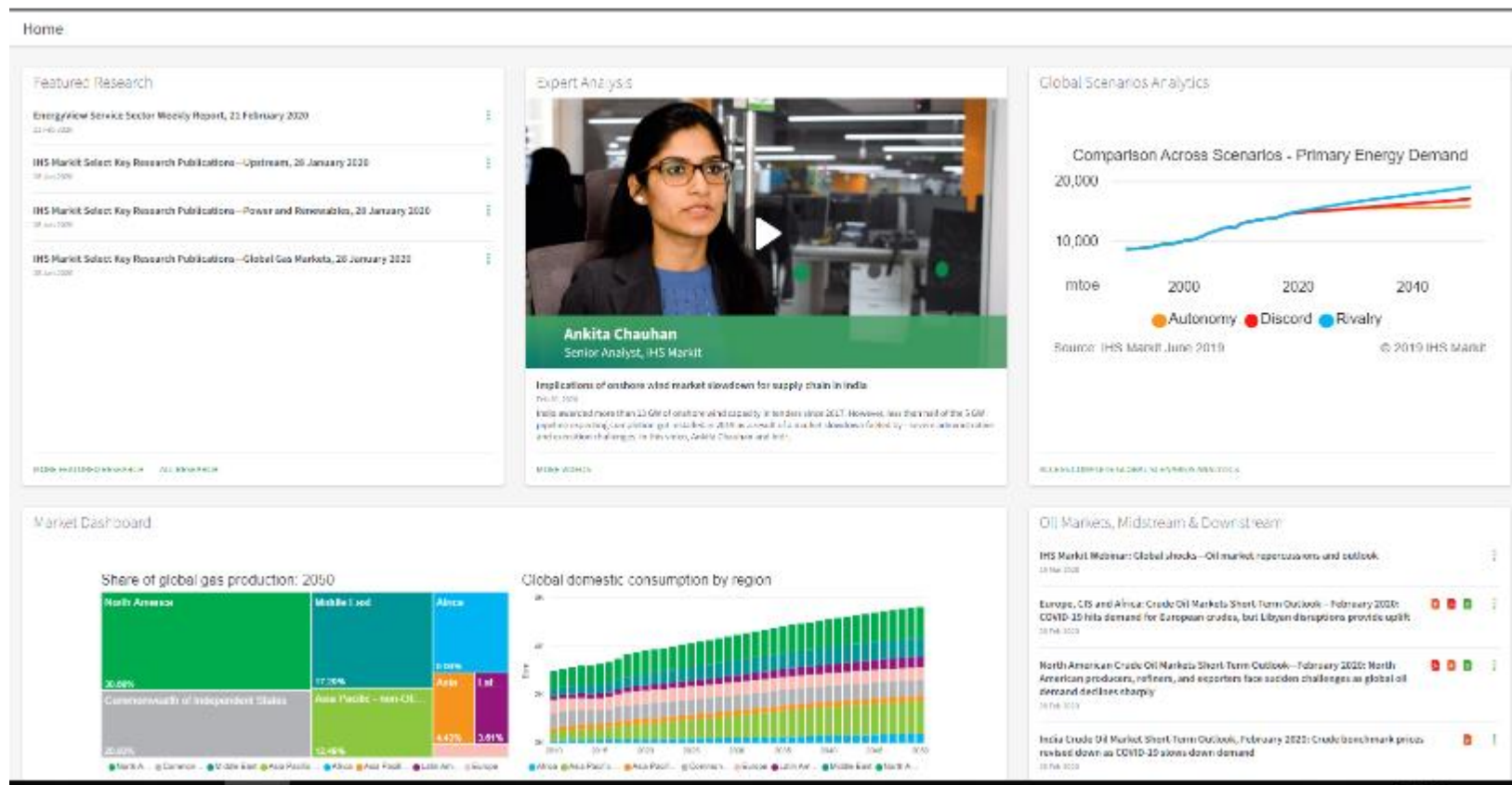


EnergyView Service Sector Research Page

Compiles all available research (Upstream, Oil Markets, Gas, Power, etc.) in one area.

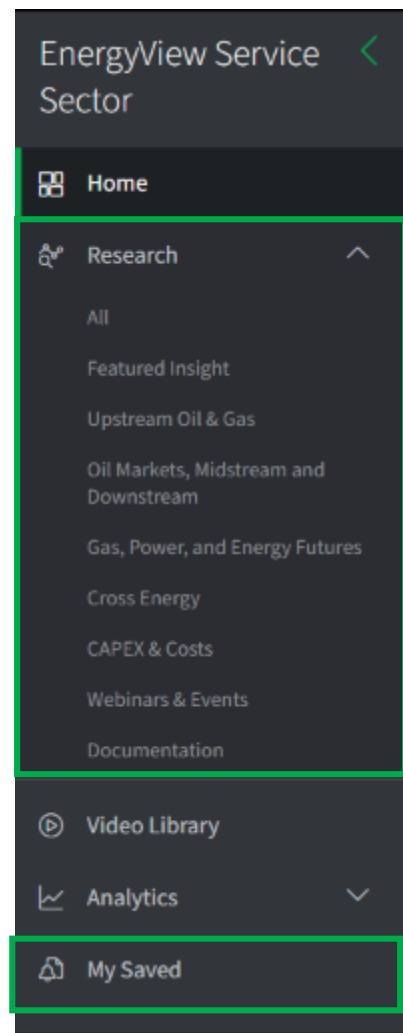


The **Home** page displays **Featured Research**, **Featured Experts**, and **Data Analytics** and more.

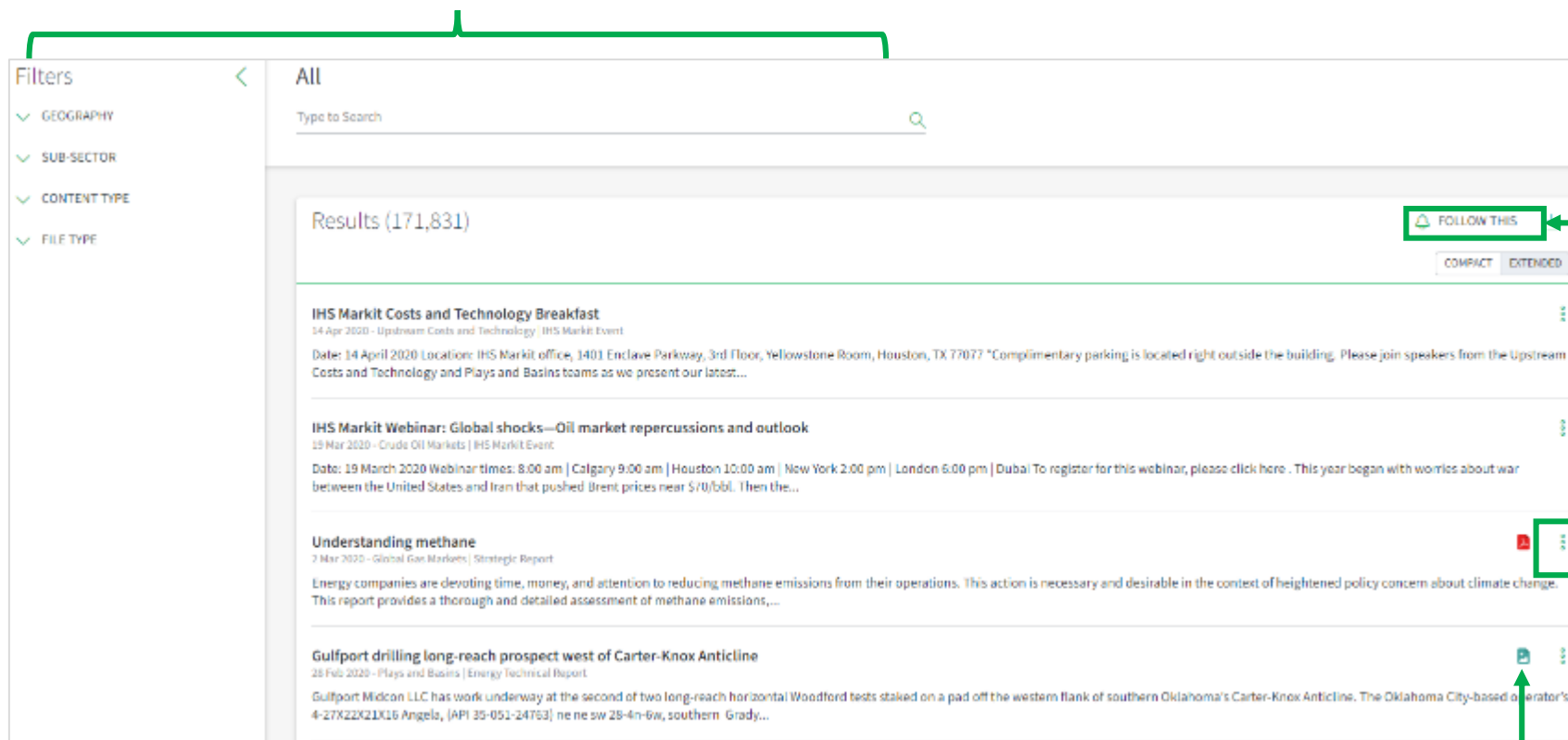


EnergyView Service Sector Research Page

Use the left-hand rail to select **Research topics** to browse and narrow down research.



Use green arrows to apply **filter options** and/or type a **keyword search**.



Apply filters or a search, then select **Follow This** to save the page and apply an email alert.

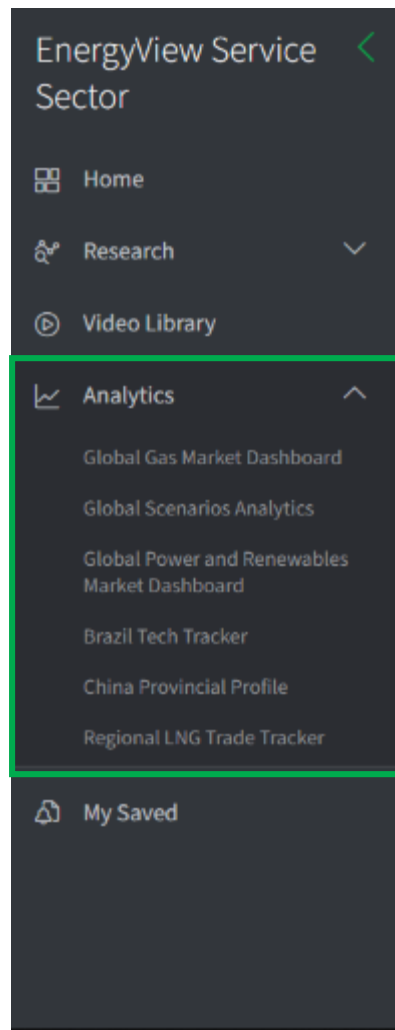
Save an individual document, and **share** with colleagues.

View and access **files** quickly.

Saved content appears in **My Saved** (in the left hand rail).

EnergyView Service Sector Research Page

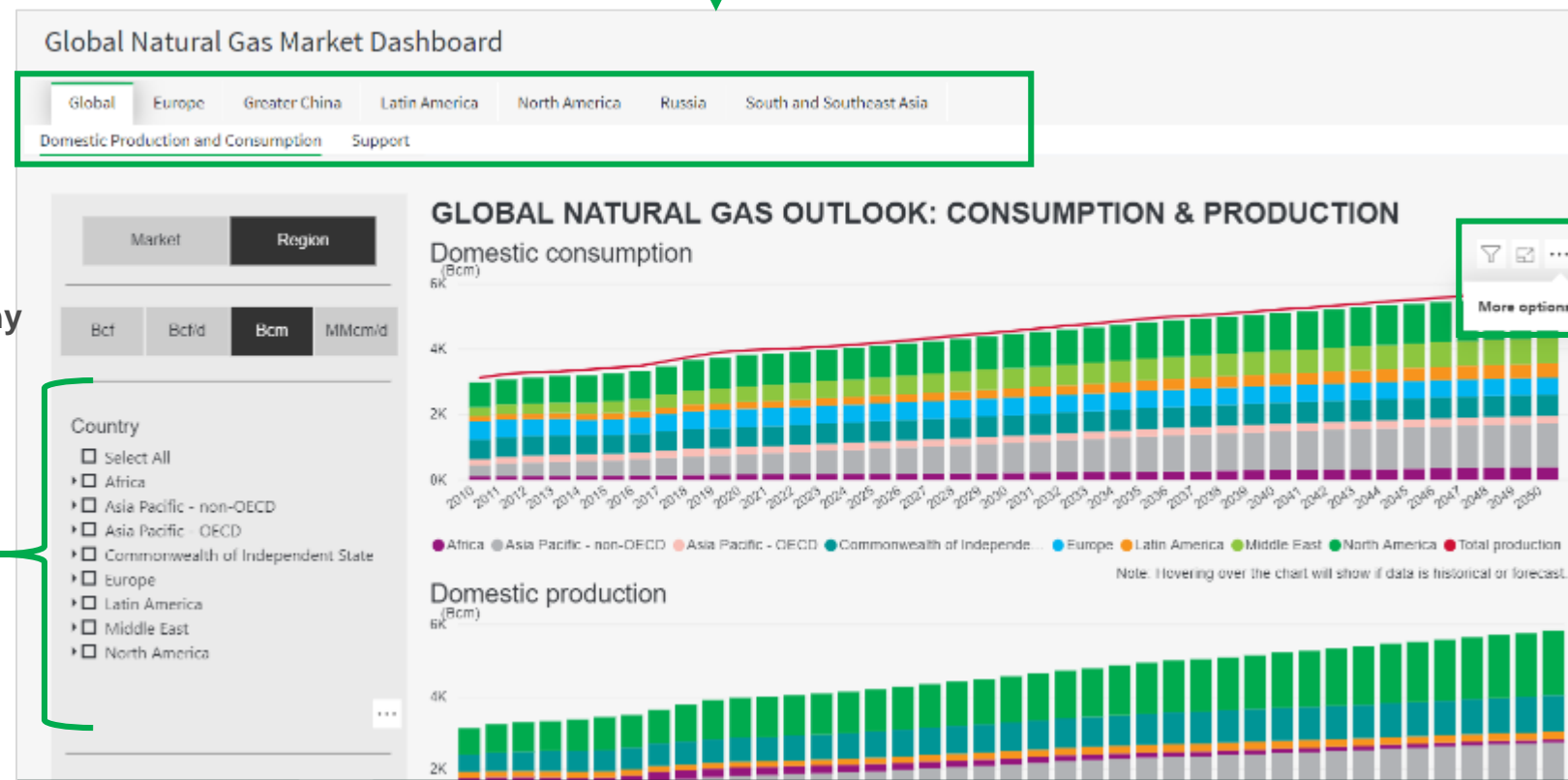
Use the left-hand rail to click on **Analytics** topics to customize and visualize related data.



Access **global regions** and sub-chapters.

View by
Concept
or
Geography

Apply
filter
options



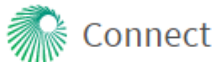
Click the
3-dot
menu to
export
data.

GPE Trial Hub

Browse selected GPE research outside of your subscription.

GPE Trial HUB in Connect

In Connect, hover over the **Energy** menu > **Gas, Power, and Energy Futures** > click on [All Insights and Analytics](#).




AgribusinessAutomotiveChemicalEconomics**Energy**Life SciencesMaritime & TradeRiskEnergy Advisory & EV

Upstream Oil and GasOil Markets, Midstream, and Downstream**Gas, Power, and Energy Futures**Mobility Portal

RESEARCH & DATA

Power and Renewables	Regional Integrated	Global Fuels	Clean Energy Tech	Cross Energy
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FastLMP Trial	Latin America	LNG Analytics	Solar PV	Trial HUB
	North America		Wind	All Insights and Analytics Trial
	Russia and Caspian			
	South and Southeast Asia			

RESEARCH A GEOGRAPHY



GPE Trial Hub

Browse selected GPE research outside of your subscription.

Use the left-hand navigator or Research modules to browse **Research** and **Data Analytics** outside of your subscription.

Gas, Power, and Energy
Futures Hub Trial

Home

Gas Markets

LNG

PointLogic

Power and Renewables
Markets

Power Analytics

FastLMP

Batteries and Energy
Storage

Hydrogen and
Renewable Gas

Solar PV

You currently only have trial access to this page, some features may not be available.

Home

Gas Markets

Short-term market monitoring and long-term strategy decisions for all key regional gas markets

ACCESS

Power and Renewables
Markets

Analysis and data on market fundamentals, policies, and demand changes for regional and global power and renewables markets

ACCESS

Clean Energy
Technology

Low carbon supply chains of the future:
Batteries&Energy Storage, CCUS,
Hydrogen&Renewable Gas, Solar PV, Wind

ACCESS

LNG

Global perspectives, downstream markets & assets, companies strategies, trading and analytics for LNG markets.

ACCESS

Power Analytics

Innovative analytic dashboards and data to assess project, market and operational metrics and trends

ACCESS

Energy and Climate
Scenarios

Executive energy briefings and long term integrated climate scenarios to 2050

ACCESS

Contact Us

For questions or assistance, contact our Customer Care team.

Schedule a complimentary Connect training:

IHSConnectTraining@ihsmarkit.com

Access IHS Markit Connect anywhere, anytime for the information, insight and analytics necessary to make critical decisions. Download the free Connect [iPad](#) and [Smartphone](#) apps to your mobile device.



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Email: customercare@ihsmarkit.com

Asia Pacific:

+604 291 3600

Mon. to Fri. 0800 to 1800 MYT (GMT +8hrs)

Email: customercare@ihsmarkit.com