



Better Data Better Decisions

Energy Market Transparency Seminar

**Global Perspectives on Energy Market Transparency
and Energy Data Reporting: JODI and Beyond**

International Energy Forum Headquarters, 25 November 2025

Amr Aldamri Street - Circle 6 | Diplomatic Quarter | Riyadh | Saudi Arabia

Global Perspectives on Energy Market Transparency and Energy Data Reporting: JODI and Beyond

Background

Ensuring energy security, maintaining market stability, and advancing sustainability depends on energy data transparency. Reliable data enables the detection of market imbalances, facilitates effective interventions, boosts investor confidence, and builds trust among international investment and trade partners. Consistent and accurate data reporting of energy market conditions serves as the foundation for informed decision-making by policymakers, investors, and market stakeholders that power world economic growth and prosperity.

To inform effective policy, business, and risk management decisions, data transparency must extend across multiple levels ranging from national statistics and regional inventories to global supply and demand assessments. Primary sources of official energy market data involve robust mechanisms for measuring, reporting and verification and the corresponding institutions that collect and publish statistics in accordance with well-established government regulations and practices. Though energy market transparency has improved over the past decades, government leadership and international collaboration remain vital to deepen collective market insight, overcome persistent data gaps, and improve data reporting capacity, especially in emerging and developing economies.

Alternative tracking, reviewing, and monitoring systems complement official statistics where gaps, reporting delays, or other deficiencies persist. The array of derived data gathering methodologies has become more sophisticated, and the choice of secondary sources has broadened significantly.

Accelerated adoption of digital solutions and emerging technologies such as satellites and new remote sensing capabilities combined with Artificial Intelligence (AI), and advanced Big Data analytics are not only reshaping the real-world data landscape but also adding new virtual data dimensions to enhance decision-making and unlock new opportunities. These shifts characterize the forward-looking digital economy, where data is the core strategic asset to drive innovation and competitive advantage.

However, though these solutions may bolster energy market transparency and foresight, they continue to rely on official government and corporate statistics that provide both the benchmark and backbone for these systems to reliably inform decisions. Digitalization and alternative metrics reinforce the need for readily accessible, reliable, and complete historical data made available through statistical agencies and collaborative institutional platforms like the Joint Organizations Data Initiative (JODI).

Moreover, to respond to rising sustainability data reporting requirements, the transformation in the way that governments and businesses collect, report, and utilize data has moved beyond energy security, market stability, and business performance metrics. As traditional approaches to data reporting blend with more dynamic, real-time, and predictive models that support more responsive governance and agile business strategies and enables ever faster, more efficient information exchange, reporting burdens increase but do not always keep pace with reporting capacity.

To deepen understanding of these key developments and how they may help to overcome data gaps and bridge growing divides in reporting practices and regional capabilities, more dialogue and collaboration on energy market transparency is needed.

Objectives

The objective of the Energy Market Transparency Seminar is to share global perspectives on Energy Market Transparency and Energy Data Reporting requirements considering the challenges and opportunities for global energy market transparency in the age of global energy market shifts, transitions, and digitalization. Session discussions will debate general market and data technology trends in relation to data reporting requirements and, to seize opportunities and overcome deficiencies, formulate findings for the IEF to advance in collaboration with energy market stakeholders and JODI Partners. This includes reflecting key findings and recommendations in an energy market transparency roadmap to advance the Joint Organizations Data Initiative mission and strengthen outreach to relevant organizations and initiatives.

The Seminar will convene senior government and industry officials from producer, and consumer countries, and international research centers in addition to JODI Partner Organization focal points and experts, including key digital business representatives.

To achieve a productive dialogue around the future of energy data reporting and identify key trends and findings, the JODI Seminar is structured in four thematic sessions:

1. Energy Markets and Data Transparency
2. Energy Markets Data Transparency and Digitalization
3. Benchmarks for Global Energy Market Data Transparency
4. JODI Partner Organization Reflections on the Next Steps to Enhance Global Energy Market Transparency.

Key Questions

1. What role does transparency of official data play in enhancing energy security for both producing and consuming countries relative to secondary sources in the digital age?
2. How does data transparency influence the stability and efficiency of global energy markets?
3. What are the risks and opportunities that digital solutions bring to enhancing energy market data transparency in the next decade?
4. How will digital solutions and digital communication tools advance reporting and improve JODI data?
5. What are the key opportunities for expanding the coverage and improving the functionality of JODI in the digital age?
6. How can JODI Partner Organizations and stakeholders collaborate to strengthen data transparency; on which areas should they focus?

Preliminary Agenda

09:00 - 09:05 **Welcome and scene setting**

Jassim Alshirawi, Secretary General, International Energy Forum (IEF)

09:05 - 10:45 **Session 1: Energy Markets and Data Transparency**

What role does transparency play in enhancing energy security for both producing and consuming countries?

How are market shifts affecting data transparency and influencing the stability and efficiency of global energy markets?

How will the energy transition reshape data transparency needs and reporting standards?

Moderator: **Adam Sieminski**, Senior Advisor to the Board, KAPSARC

Speakers: **Gertjan ten Broeke**, Managing Director, COVA, The Netherlands

Rashid Ali Abdallah, Executive Director of African Energy Commission (AFREC), African Union Commission

Mohamed Hamel, Secretary General, GECF

Julian Prime, Head of Statistics, IRENA

Chua Shen Hwee, Director of Data and Analytics Department, Energy Market Authority, Singapore

Ichiro Kutani, Senior Research Director, Manager, Global Energy Group1, Director, Energy Security Unit, IEEJ

Steven Knell, President and Head of Content, Energy Intelligence

Roundtable discussion

10:45 - 11:00 **Break and Group Photo**

11:00 - 12:30 **Session 2: Energy Markets Data Transparency and Digitalization**

What are the digital applications related to energy markets transparency?

How can emerging digital technologies like AI and others enhance the accessibility and quality of energy data?

What are the risks of relying on automated or AI-generated data in energy market reporting?

How can data governance frameworks keep pace with the increasing digitization of energy systems?

Moderator: **Duncan Millard**, Senior international Statistics and Energy Advisor

Speakers: **Antoine Halff**, Chief Analyst & Cofounder, Kayrros,

Muhammad Kiani, Head of MENA advisory Rystad Energy

Abdulla Alabbasi, Director of the Energy and Environment Studies Program, DERASAT

Fahd Ali Albalawi, Advisor, AI Center of Excellence, Energy Sector, SDAIA

Ren Ke, Analyst, Big Data Development Department, China State Information Center

Roundtable discussion

12:30-14:00 **Networking Lunch**

14:00-15:30 **Session 3: Benchmarks for Global Energy Market Data Transparency**

What are the global benchmarks for data transparency?

To what extent do these improve market performance and reduced-price volatility in energy markets?

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What are the main challenges countries face in providing accurate and timely energy data?

How do geopolitical tensions impact the willingness of nations to share energy data openly on global platforms such as JODI?

How can international organizations further incentivize countries to participate in data transparency initiatives like JODI?

What mechanisms can be put in place to improve data quality in developing economies without overburdening their institutions?

Moderator: **Amira Remadna**, IEF JODI Coordinator and Senior Analyst

Speakers: **Tahani Hussain**, Vice President Group - Sustainability & ESG, BAPCO

Christina Deligianni, CEO & Co-Founder, Verimply, Policy & Programs Director at the Institute for Sustainable Development, ISD, EPLO*

Thomas Smuts Muller, General Manager, Energy Aspects Saudi Arabia

Abeer Alghamdi, Principal Product and Energy Data Management, KAPSARC, KSA

Erik Rakhou, Energy Advisory Founder & Director, Hydrogen Investor, Rakhou Associates

Roundtable discussion

15:30 - 15:50

Break

15:50-17:20

Session 4: JODI Partner Organization Reflections: A Roadmap to Enhance Global Energy Market Transparency

Speakers: **Edito Barcelona**, Senior Research Fellow and Head of Energy Statistics and Training Office, APEC

Hichem Kimouche, Head of Data and Information Systems Department, GECF

Steve Gervais, Senior Data Manager and head of the Energy Security Data unit, IEA

Ivo Nacucchio, Consultant Data and Modeling, OLADE

Huda Almwasawy, Head of Data Services Department, OPEC

Mhamed Mouraia, Statistical Systems Coordinator, OPEC

Pantelis Christodoulides, Senior Statistical Research Analyst, OPEC

Klaus Stoeger, Senior Statistician, OPEC

17:20 - 17:30

Key Findings and Concluding Remarks

Christof van Agt Ross, Director of Energy Dialogue, IEF

JODI

Under the coordination of IEF, the Joint Organizations Data Initiative, JODI, plays a pivotal role in advancing global energy data transparency, a cornerstone for well-functioning and stable energy markets. By collecting, harmonizing, and disseminating official oil and gas data from over 100 participating countries, JODI helps bridge critical information gaps that create uncertainty and amplify volatility in global energy markets. JODI marks an unprecedented collaboration among APEC, EUROSTAT, GECF, IEA, OLADE, OPEC, UNSD, and the IEF who work together on the JODI platform that the IEF coordinates to ensure the accuracy, consistency, and timeliness of official energy statistics. By promoting standardized reporting methodologies and fostering mutual trust among data providers and users, JODI enables better comparability of energy data across borders and supports evidence-based policymaking. Its work plays a crucial role in identifying supply-demand trends, anticipating potential disruptions, and enhancing energy security. JODI contributes to long-term capacity building by offering technical support and training to national administrations and helping them strengthen institutional frameworks for energy data management. Through these efforts, JODI not only supports short-term market transparency but also contributes to the development of resilient and inclusive global energy data reporting systems, reinforcing transparency as a shared international responsibility and public good.