Better Data – Better Decisions
JODI Progresses and implications to the IEF Research Agenda

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www.jodidata.org
Overview

JODI Progresses

Recent Activities and Looking Ahead

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The 7th International Energy Forum host and the co-host statement emphasised the importance of “improving and timely accessing to energy data” for “market assessment and transparency”.

And 8 JODI Partner Organisations responded to the call.
Key milestones

2000: JODI-Oil was set up by (APEC/EUROSTAT/IEA/OLADE/OPEC/UNSD)

2005: The IEF Secretariat assumed the role of JODI Coordinator

**JODI-Oil world database (90+ Countries) public launch**

with **JODI-Oil Manual** and its **Capacity Building Programme**

2009: JODI-Gas was set up

2012: **Extended JODI-Oil data** set released

with **JODI-Oil Manual 2nd Edition**

2014: GECF became a JODI Partner

2014: **JODI-Gas world database (75+ Countries) public launch**

with **JODI-Gas Manual** and its **Capacity Building Programme**

2017: Cooperation agreement with Argus, Bloomberg and Refinitiv
Key figures

Source: "What is JODI?" Infographic (2019 Version)
Overview

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4th JODI Data User Seminar

- 57 attendees from various domains (national administrations, trading, shipping, utility, media, IT and academic.

- The event featured the following topics:
  - JODI’s evolution and interaction with the IEF Research Agenda
  - Latest on JODI: new database features, cooperation with academia and private stakeholders
  - JODI mechanism and data compilation chain — key features that differentiate JODI from other data sources and complementarity with alternative market assessment matrices.
  - Benefits and challenges
  - Value of data transparency for market research, decision making and a sustainable future
Harmonised Data Transmission

- Harmonised data transmission formats and methodologies (among JODI Partners)
- More frequent data reception/update thus more timely data release
- "SDMX" compatible format
- Fully operational by 2021 year-end
API

- Continued requests from data users including during 14th International JODI Conference, Cairo, October 2019
- Complete data transmission automation from reception to release
- Beta version under testing by the JODI Partners, officials and selected users
- Official launch during the next IEF Ministerial meeting in 2022
Overview

JODI Progresses

Recent Activities and Looking Ahead

Implication to the IEF Research Agenda
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<table>
<thead>
<tr>
<th>Priority Themes</th>
<th>Policies &amp; Governance</th>
<th>Energy Technologies &amp; digitalisation</th>
<th>Investment, Funding &amp; strategies</th>
</tr>
</thead>
<tbody>
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<td>Deliverables to G20 Working Groups</td>
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</tr>
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<td>Population expectations / trade-offs</td>
<td>Methane Initiative</td>
<td>Carbon data transparency</td>
</tr>
<tr>
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Non-traditional metrics as a leading indicator for demand

• In April 2021, IEF published its 1st report in “Post-COVID Recovery Energy Monitor” series with a focus on mobility metrics.
• Latest data shows incredible demand recovery of 1H21 is beginning to plateau
  – Asian demand (ex. India) slowed in late summer
  – Europe and US saw summer surge
• Seasonal elements + COVID variants will likely stall transportation fuel demand recovery through end-year

57 JODI Countries: Gasoline and Diesel Demand and Google Mobility Index

Mobility index (0=Jan 2020) Demand (mb/d)

*Data for Sep 1-14
Source: IEF, JODI Oil Database, Google Community Mobility Report
Flight data shows cooling in Aug in US and Asia (ex. India)

• In June 2021, IEF published its 2nd report in “Post-COVID Recovery Energy Monitor” series with a focus on aviation metrics.

• International travel continues to lag domestic.
  – In July, int’l travel was still 73% below July 2019 levels, while domestic flights were only down 16%.

• Recovery remains very uneven across geographies.
  – “Zero-COVID” measures in many Asia and Oceania countries has kept international travel as much as 90% below pre-pandemic levels.

• Seasonal trends and COVID variants may mean we’ve seen peak jet fuel demand for the year.

*Data for September 1-14
Source: IEF, JODI Oil Database, EuroControl, TSA, Airport Statistics, India’s Directorate General of Civil Aviation, Japan’s Civil Aviation Bureau, China’s Civil Aviation Administration, Statistics Canada
• Carbon price discovery mechanisms enable **effective, efficient and equitable energy transition**
• Carbon pricing requires **timely, complete and comparable data on carbon emissions as well as on mitigation efforts**.
• IEF with expertise developed through JODI coordination, has investigated areas of improvement necessary to achieve greater carbon data transparency.