

A faint, light blue world map is visible in the background of the slide, centered behind the title text.

Better Data – Better Decisions

JODI Progresses and implications to the IEF Research Agenda

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Overview

JODI Progresses

Recent Activities and Looking Ahead

Implication to the IEF Research Agenda

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IEF Ministers' Inspiration since 2000

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.



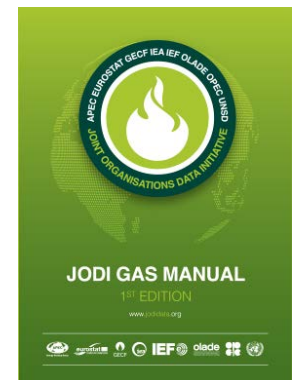
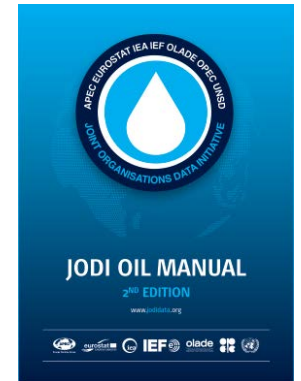
JODI-Oil World Database Public Launch
Riyadh, November 2005



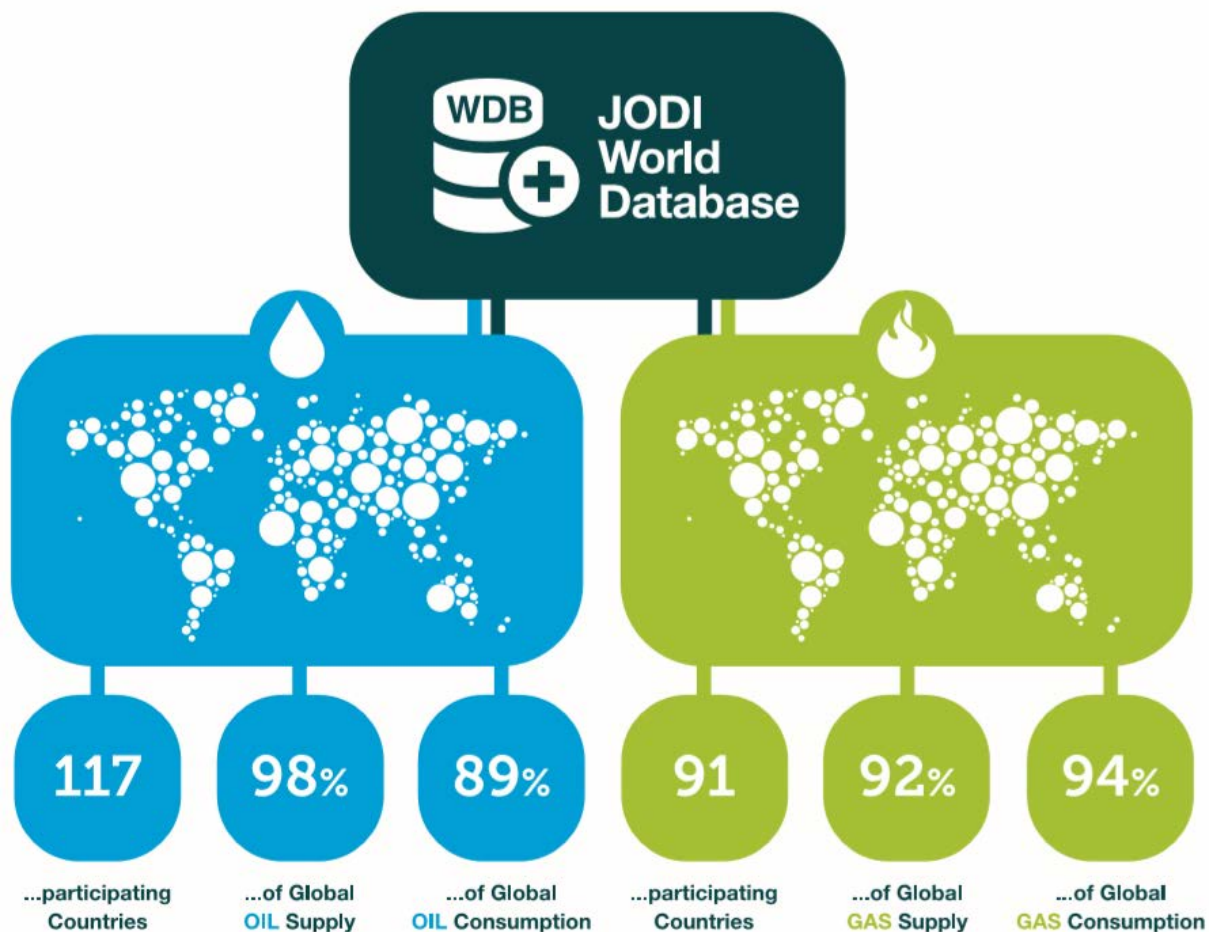
JODI-Gas World Database Public Launch
Moscow, May 2014

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 \(2019 Version\)](#)

≈750

The number of **professionals trained** through the JODI Capacity Building Programme

20+

Training Workshops delivered by JODI Partners around the globe since 2006



13,000+

JODI Oil and Gas Manual downloads since 2011

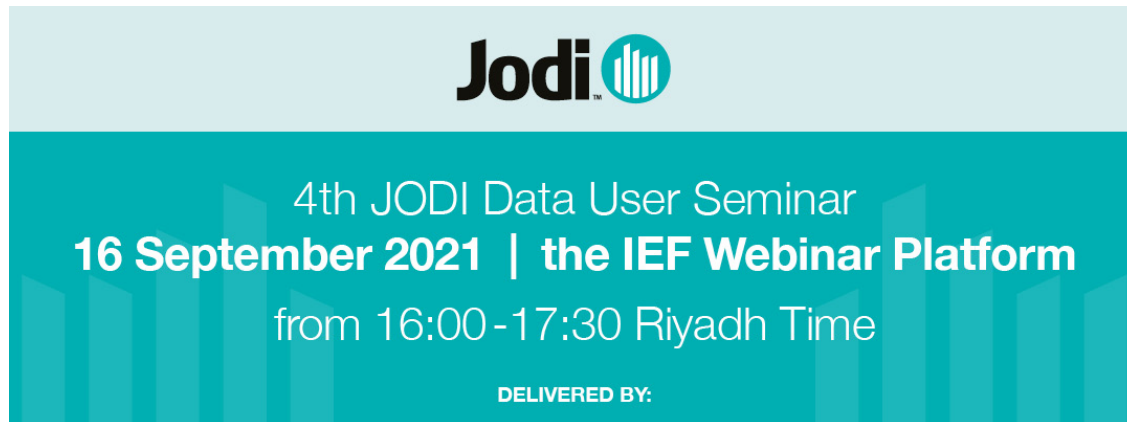
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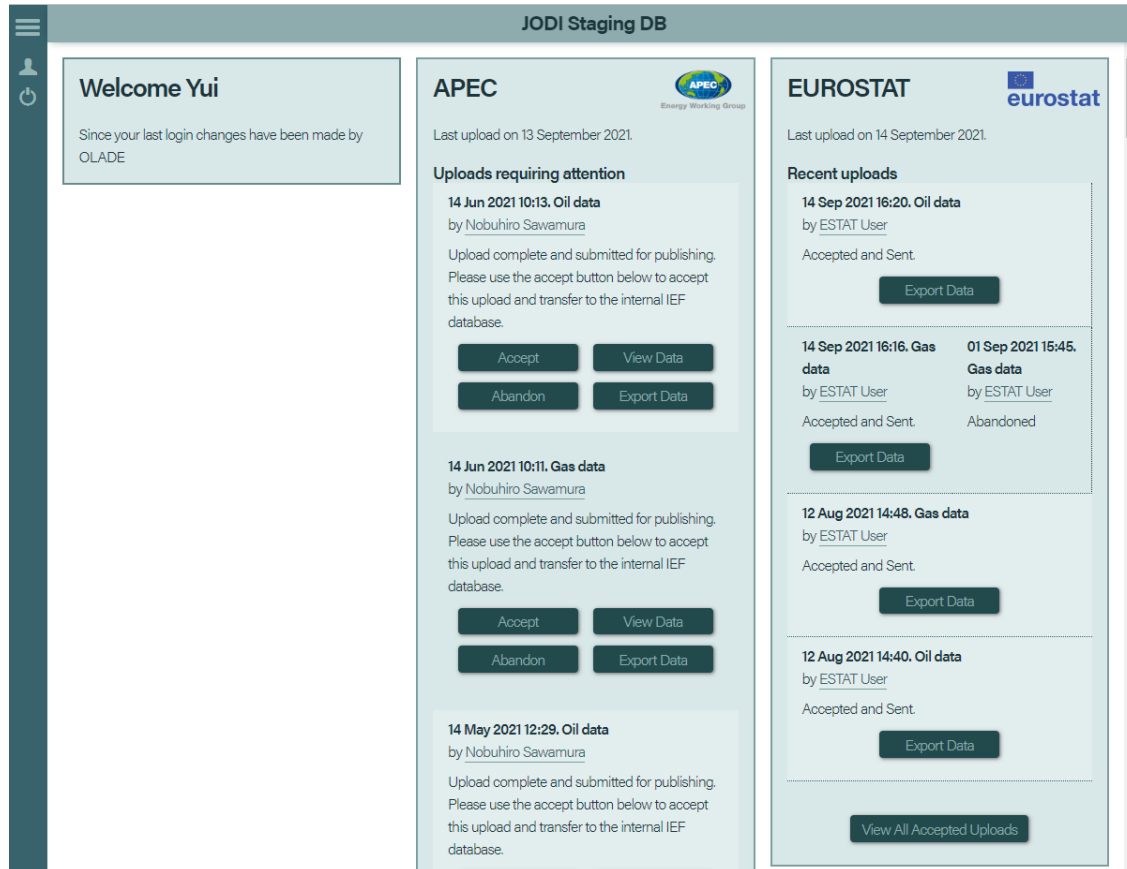
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4th JODI Data User Seminar



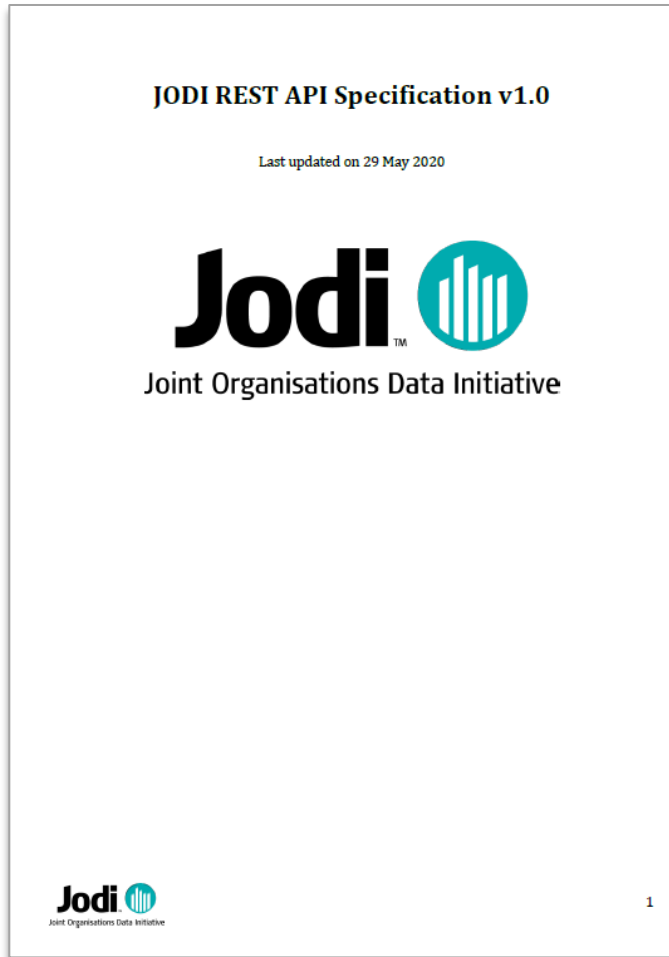
- 57 attendees from various domains (national administrations, trading, shipping, utility, media, IT and academic).
- The event featured the following topics:
 - JODI's evolution and interaction with the IEF Research Agenda
 - Latest on JODI: new database features, cooperation with academia and private 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

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IEF Research Agenda

Priority Themes	Policies & Governance	Energy Technologies & digitalisation	Investment, Funding & strategies
<i>Post Covid Recovery (2021-2022 theme)</i>	Deliverables to G20 Working Groups	Oil demand outlook in times of a market dislocation: non-traditional metrics (April onward)	Financing the “gap” in EM: focus on Latin America
1. ESG and Sustainability	Population expectations / trade-offs	Methane Initiative	Carbon data transparency
2. Market Stability / Global Energy Governance	Energy pricing	Clean Tech R&D funding	Business models for new fuels in old infrastructure (hydrogen)
3. Energy Security	What does it mean in the era of net-zero?	Infrastructure security: new threats, new strategies	Need for dredging/infrastructure investment (March)
4. Energy Access & Poverty	<i>Focus on India: between States and federation</i>	Mobile and energy: synergies and opportunities; <i>focus on Africa</i>	Financing LNG / Gas advocacy 2.0

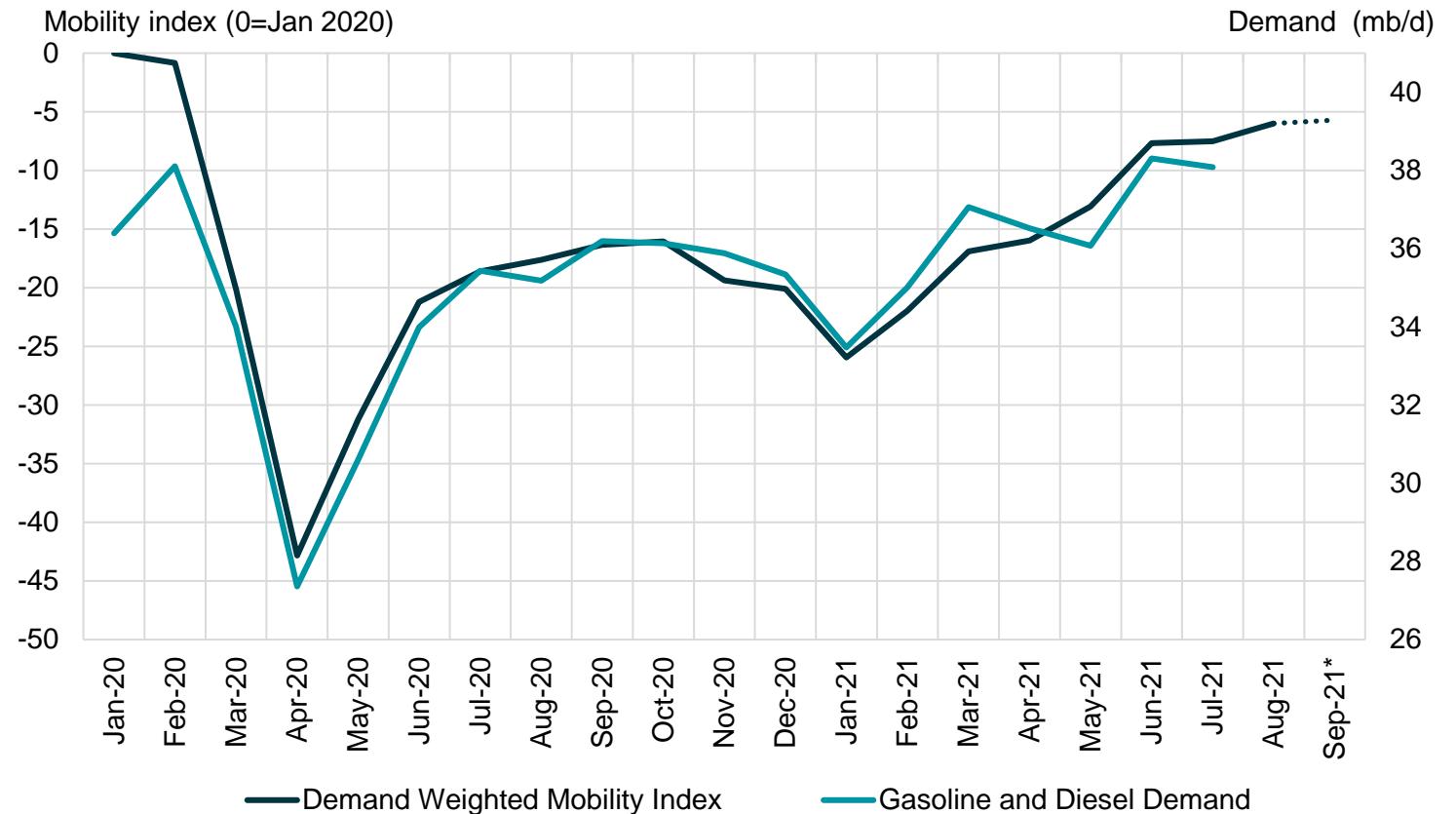
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Non-traditional metrics as a leading indicator for demand

- 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



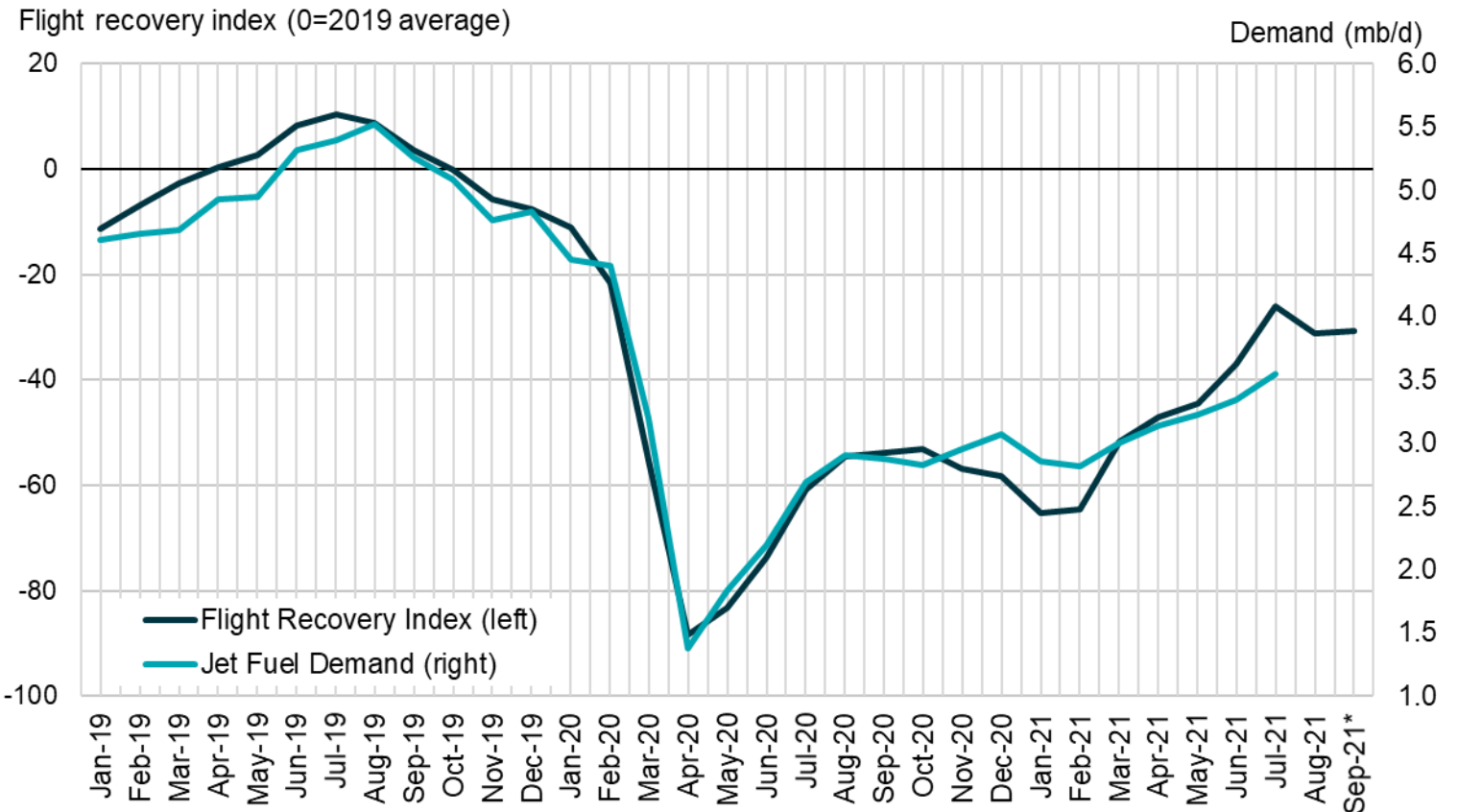
*Data for Sep 1-14

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.

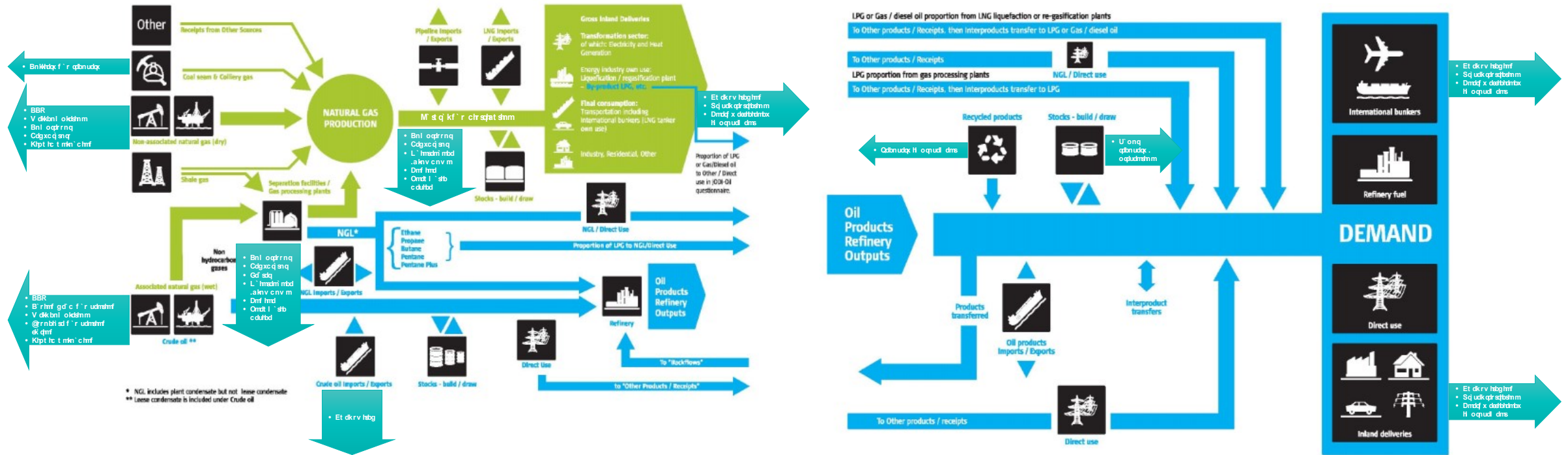
40 JODI Countries: Jet Fuel Demand and Flight Recovery Index



*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

JODI in support of global carbon data transparency



- 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.

