

JODI

Challenges and opportunities
in monthly data collection

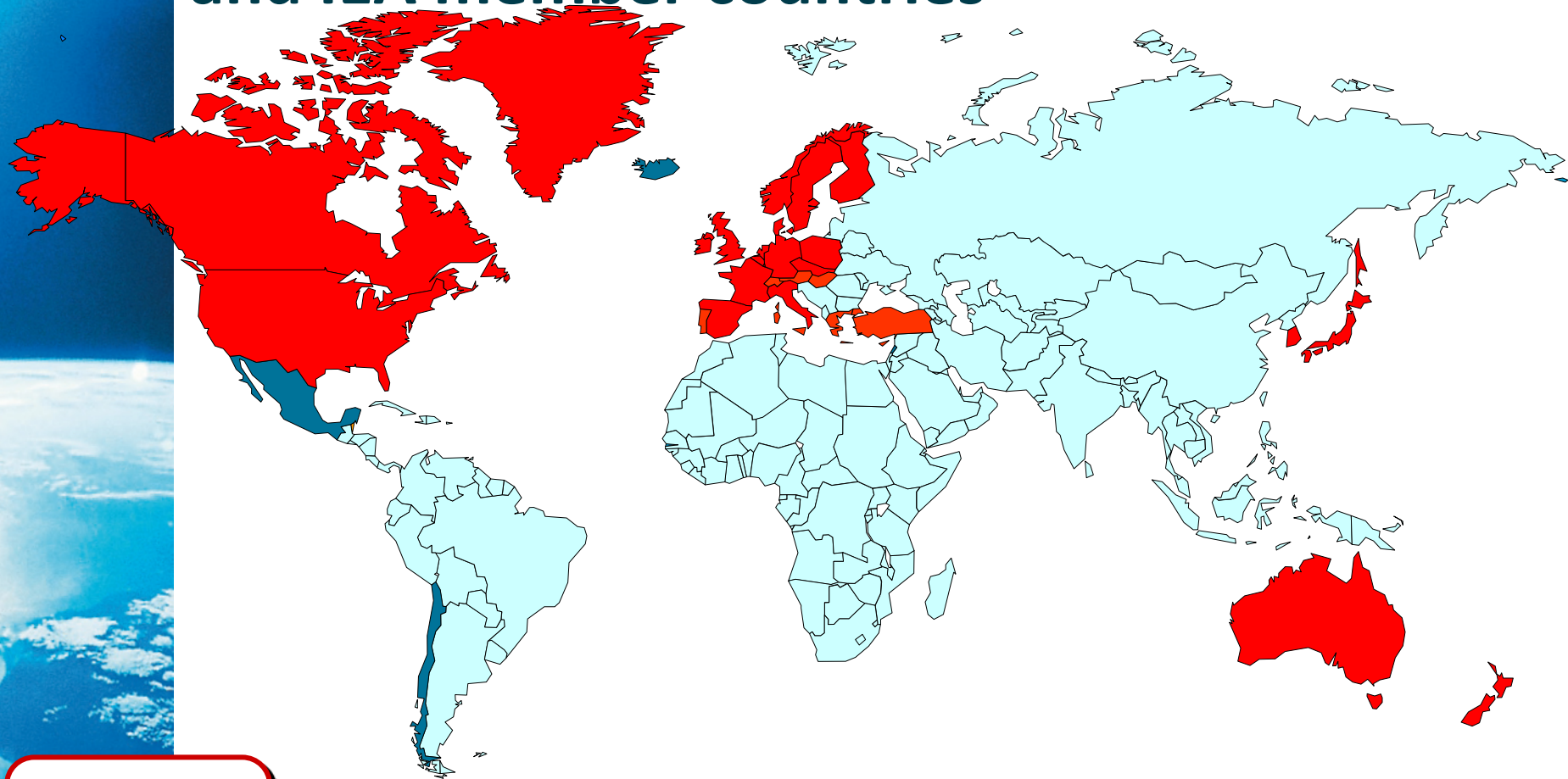
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International
Energy Agency

Secure • Sustainable • Together

Monthly Oil and Gas Data collection OECD and IEA member countries



■ IEA
■ OECD

- 29 IEA Members countries versus 34 OECD countries
- IEA collects natural gas data for 33 OECD countries (Iceland has no gas)

What does the IEA collect in terms of monthly data?

Oil:

● **MOS**



Monthly Oil

● **JODI Oil**



Natural Gas:

■ **MGS**



Monthly Gas

■ **GTF**



Gas Trade Flows

■ **JODI Gas**

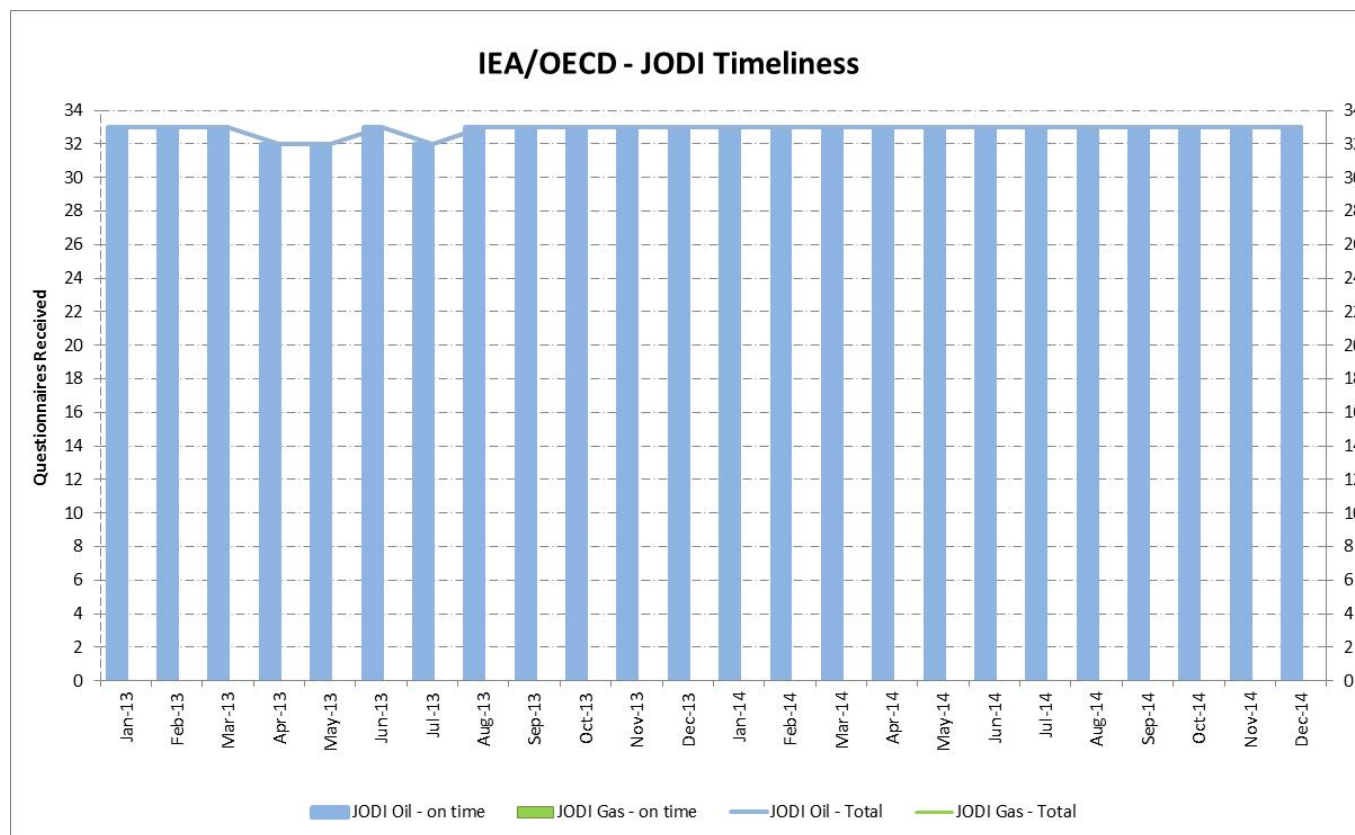


Challenges for organizations

- **Timeliness and Sustainability**
- **Completeness**
- **Data quality**
- **Staff changes**

Timeliness and Sustainability

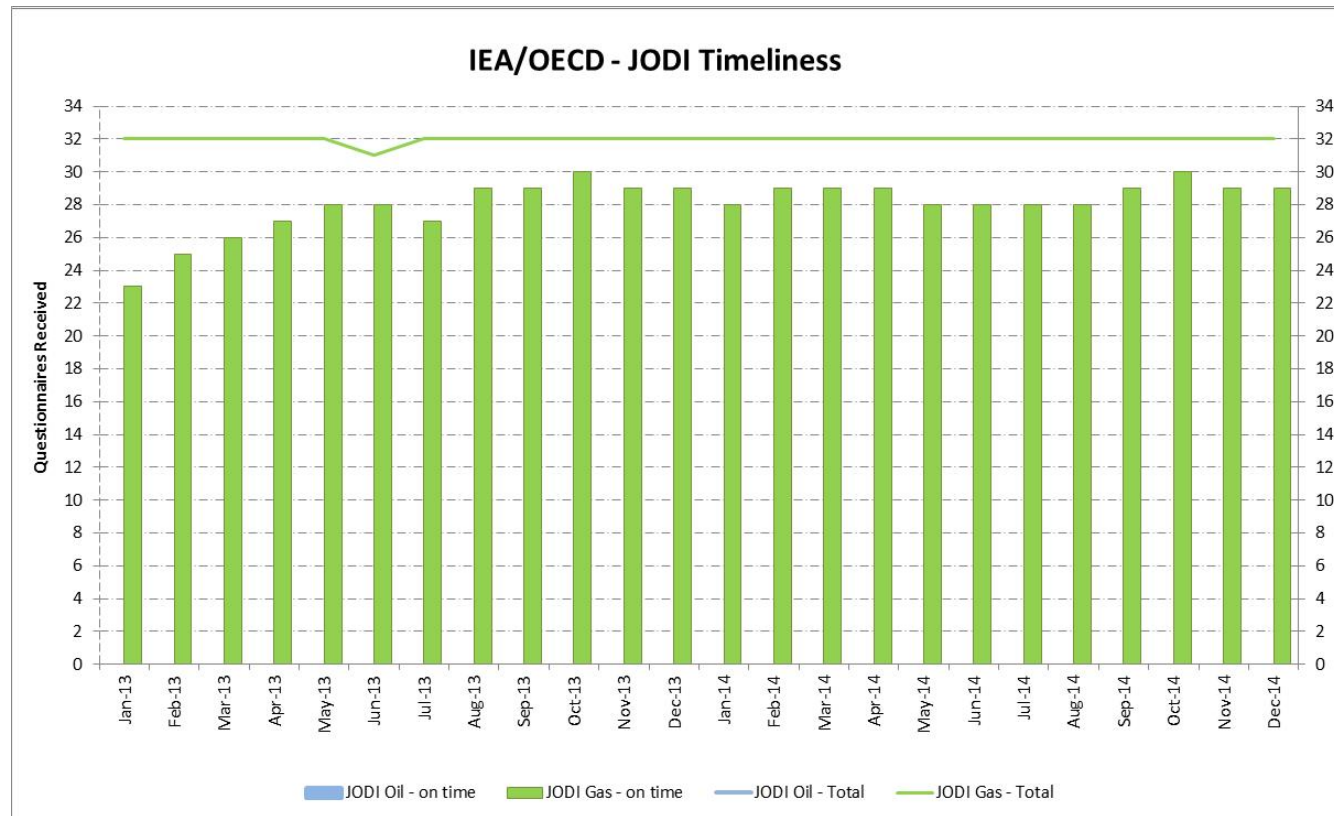
The monthly deadline has to be respected
All countries need to report every month



JODI Oil

Timeliness and Sustainability

The monthly deadline has to be respected
All countries need to report every month



JODI Gas

Completeness

IEA/OECD completeness JODI Oil

Country	July-Dec 2013 Completeness (%)	Jan-Jun 2014 Completeness (%)	July-Dec 2014 Completeness (%)
Australia	😊	😊	😊
Austria	😊	😊	😊
Belgium	😊	😊	😊
Canada	😊	😊	😊
Chile	😊	😊	😊
Czech Republic	😊	😊	😊
Denmark	😊	😊	😊
Estonia	😊	😊	😊
Finland	😊	😊	😊
France	😊	😊	😊
Germany	😊	😊	😊
Greece	😊	😊	😊
Hungary	😊	😊	😊
Iceland	😊	😊	😊
Ireland	😊	😊	😊
Italy	😊	😊	😊
Japan	😊	😊	😊
Korea	😊	😊	😊
Luxembourg	😊	😊	😊
Mexico	😊	😊	😊
Netherlands	😊	😊	😊
New Zealand	😊	😊	😊
Norway	😊	😊	😊
Poland	😊	😊	😊
Portugal	😊	😊	😊
Slovak Republic	😊	😊	😊
Slovenia	😊	😊	😊
Spain	😊	😊	😊
Sweden	😊	😊	😊
Switzerland	😊	😊	😊
Turkey	😊	😊	😊
United Kingdom	😊	😊	😊
United States	😊	😊	😊

All data needs to be reported

JODI Oil

IEA/OECD JODI Oil Completeness	July-Dec 2013	Jan-Jun 2014	July-Dec 2014
😊	33	33	33
😐	0	0	0
😞	0	0	0
Total	33	33	33

**Regular updates to
completeness rating**

Completeness

IEA/OECD completeness JODI Gas

Country	July-Dec 2013 Completeness (%)	Jan-Jun 2014 Completeness (%)	July-Dec 2014 Completeness (%)
Australia	😊	😊	😊
Austria	😊	😊	😊
Belgium	😊	😊	😊
Canada	😊	😊	😊
Chile	😊	😊	😊
Czech Republic	😊	😊	😊
Denmark	😊	😊	😊
Estonia	😊	😊	😊
Finland	😊	😊	😊
France	😊	😊	😊
Germany	😊	😊	😊
Greece	😊	😊	😊
Hungary	😊	😊	😊
Ireland	😊	😊	😊
Italy	😊	😊	😊
Japan	😊	😊	😊
Korea	😊	😊	😊
Luxembourg	😊	😊	😊
Mexico	😊	😊	😊
Netherlands	😊	😊	😊
New Zealand	😊	😊	😊
Norway	😊	😊	😊
Poland	😊	😊	😊
Portugal	😊	😊	😊
Slovak Republic	😊	😊	😊
Slovenia	😊	😊	😊
Spain	😊	😊	😊
Sweden	😊	😊	😊
Switzerland	😊	😊	😊
Turkey	😊	😊	😊
United Kingdom	😊	😊	😊
United States	😊	😊	😊

All data needs to be reported

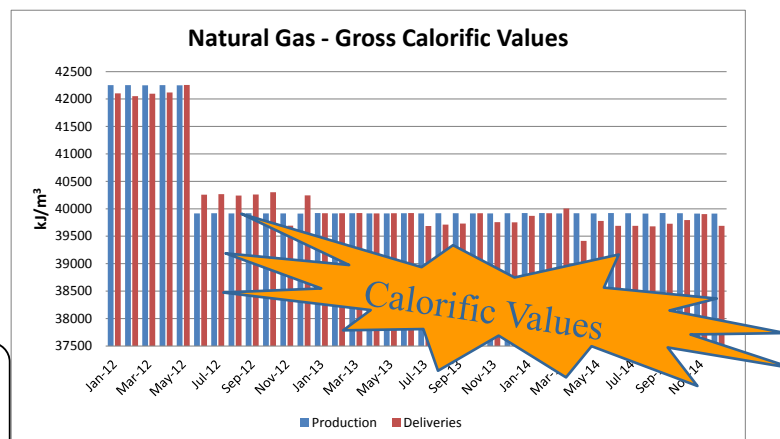
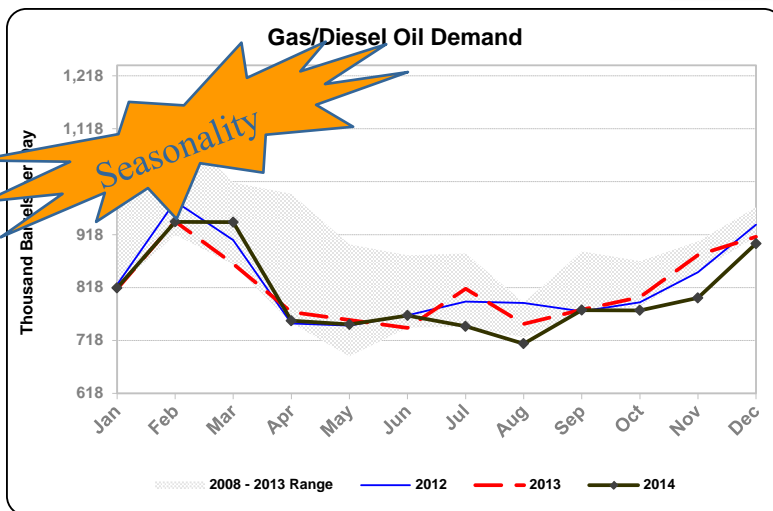
JODI Oil

IEA/OECD JODI Gas Completeness	July-Dec 2013	Jan-Jun 2014	July-Dec 2014
😊	20	22	22
😊	11	10	10
😞	1	0	0
Total	32	32	32

Regular updates to completeness rating

Data Quality

Ensuring the validity of the data



Reliability, seasonality, comparability, trade data, confidentiality . . .

Addressing the challenges

■ Timeliness

- Monthly submissions have become a routine
 - deadline 25th –
- countries not submitting are contacted

■ Sustainability

- Most countries submit on a regular basis
- Exceptionally when there is a problem they are reminded and hierarchical superiors may be alerted if needed

■ Completeness

- Monthly availability of data
- Suggest ways of obtaining the data and enhancing data collection systems

Addressing the challenges

■ Data quality

- Continuous checking of data: balance, outliers etc.
- Comparison with external data
- Internal consistency checks
- Problems detected are discussed with administrations

■ Staff changes

- Training and capacity building

**Ensure definitions and importance
of submissions are understood**

Early communication with data suppliers

Evaluation of quality when more final data become available

Challenges for JODI participants

■ Dealing with data suppliers

- High number of data suppliers
- Proving value of submissions
- Timeliness
- Burden on businesses



■ Coordination with other administration units

■ Workload

■ Staff movements

How can JODI Partners help?

- **Continue raising the profile of statistics**
- **Call on policy makers to ensure appropriate resources are provided**
- **Ensure regular training and capacity building opportunities**
- **Inform how JODI data are used**
- **Provide access to good practice documents**

Thank you