

JODI

How JODI data are collected and processed
Key features that differentiate JODI

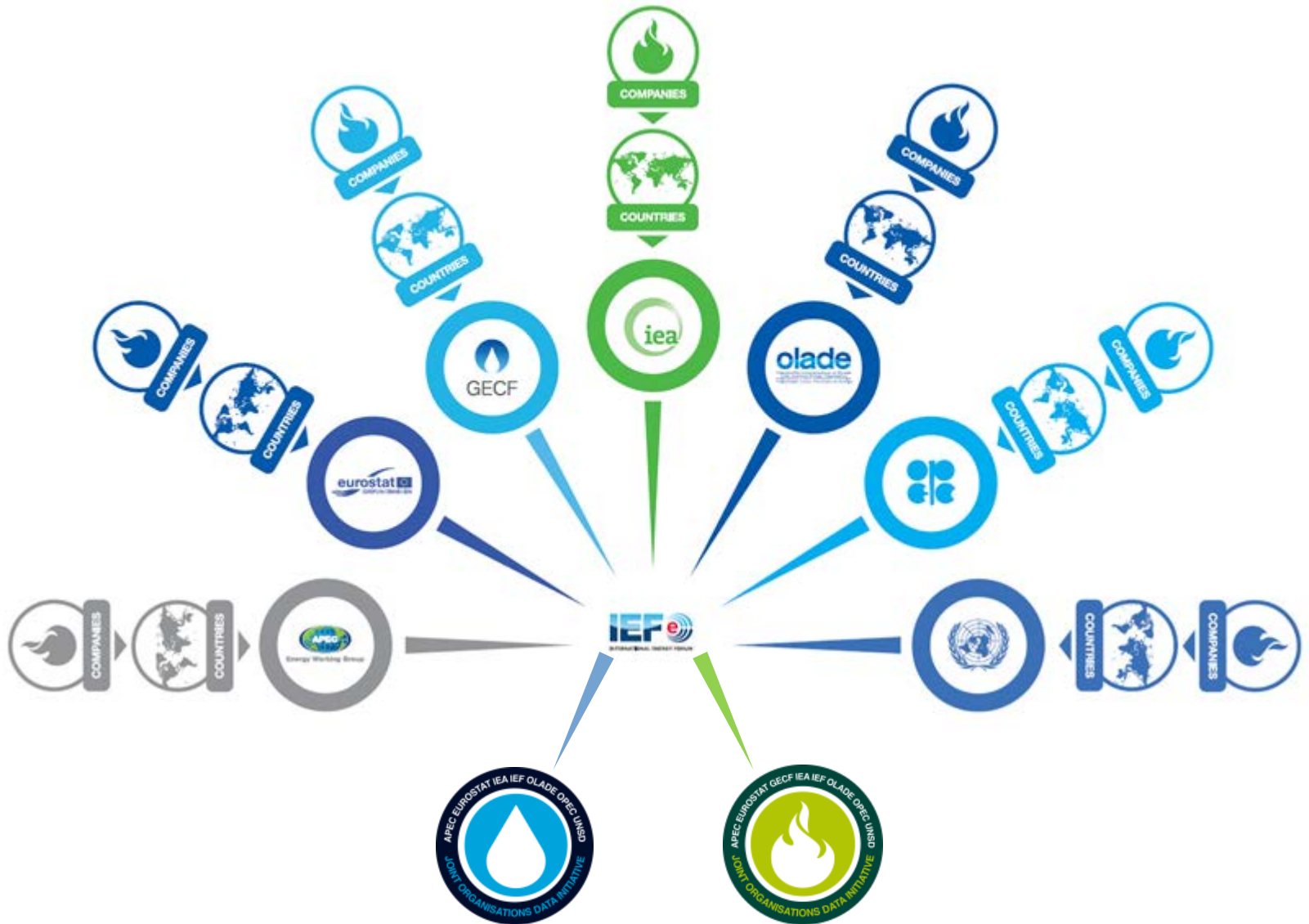
Duncan Millard
Chief Statistician
International Energy Agency

iea



Secure • Sustainable • Together

How JODI Works



JODI World Databases

At a national level

■ Company/Industry level

- Collection of data from different production units
- Submission of data to central administration

■ Administration level

- Evaluate validity of submitted data
- Add other data (e.g. administrative data)
- Estimate missing/incomplete information
- Aggregate at a national level
- Submit to international organization

**Interaction between industry
and national administrations**

At an organization level

■ Interaction with administrations

- Provide support for technical and methodological issues
- Encourage complete submissions
- Encourage revisions when data become final
- Training and capacity building

■ Ensuring the validity of the data

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

Key features of the JODI

■ Extensive coverage

● JODI Oil

- ◆ 100+ countries
- ◆ Around 90% of global supply and demand

● JODI Gas

- ◆ Max. 77 countries
- ◆ Around 90 % of global supply and demand

■ Official data

- Data published is as submitted (after data quality exchanges)
- No estimation for missing information (at organizational level)

■ Centralized/harmonized dissemination

- Published time table of updates
- Beyond 20/20 and CSV format

JODI are short-term data

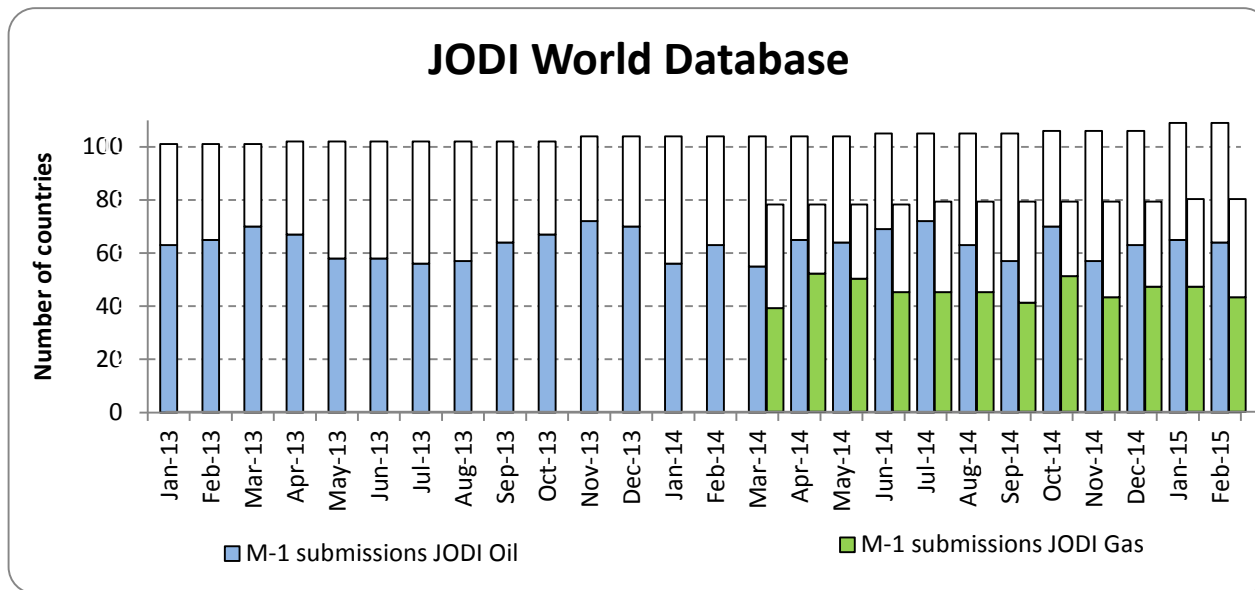
Challenges

- **Timeliness and Sustainability**
- **Completeness and Confidentiality**
- **Timeliness vs. Data Quality vs. Completeness**

Timeliness

■ Challenging M-1 deadline

- 25th of the month following reference month
- Multiple departments/agencies involved in collection
- Time needed for checking and processing

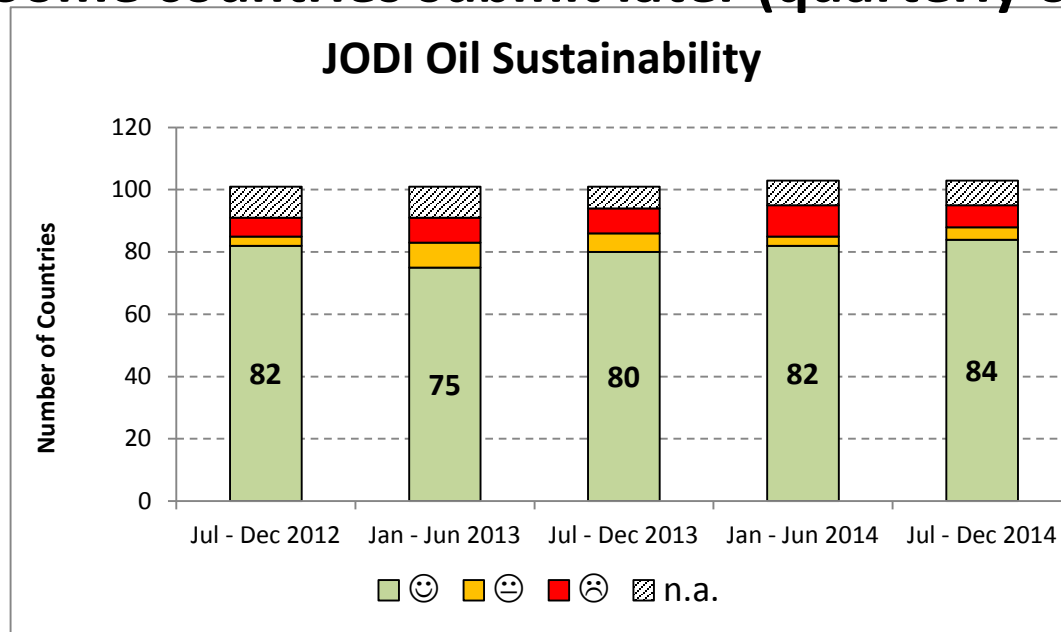


Difficult for all countries to meet the monthly deadline

Sustainability

■ To be of most use JODI needs regular monthly reporting

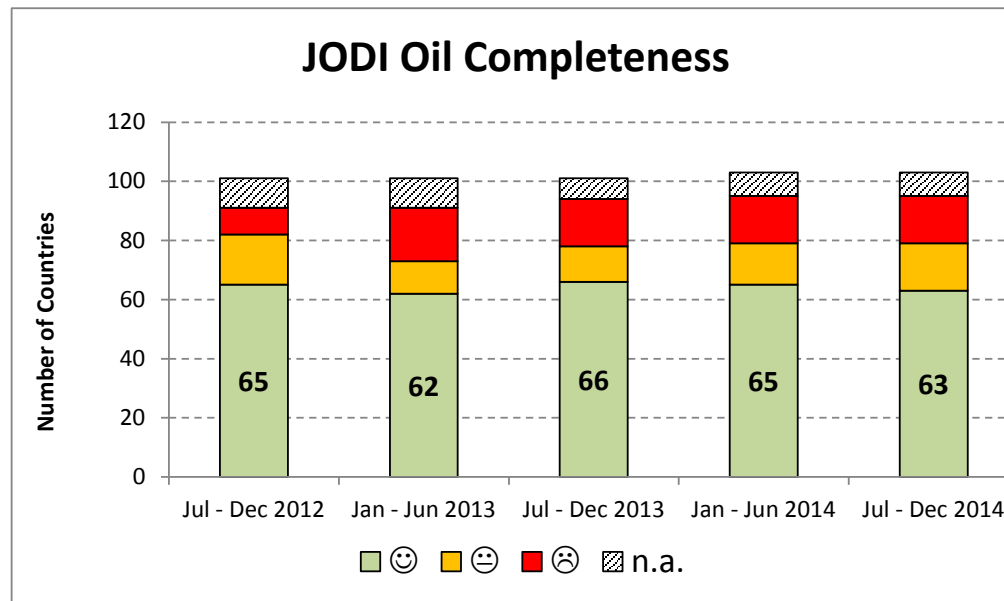
- Some countries miss certain months
- Some countries submit later (quarterly or annually)



Missing months
Quarterly/Annual submissions

Completeness and Confidentiality

- Availability of monthly data in countries
- Submission of revisions with more complete data
- Issues of confidentiality
 - ◆ Legislative issues/authorisation
 - ◆ Perceived as commercially sensitive information



Availability and Confidentiality

Timeliness vs. Quality vs. Completeness

- JODI data are short-term data
- Availability and quality of early data
- Revisions to first released information
- Consistent methodology help make data useful
- Trends and levels

Balance Timeliness, Quality and Completeness

Data Characteristics

JODI

- Short term preliminary data
- Monthly M-1
- Key data Supply Side
- Seasonality analysis

Annual data

- Final annual data
- Annual Y-2
- Supply and Demand
- Higher level of detail

■ JODI

- Early key data for over 90 countries
- Provide basis for early analysis of markets
- Sum of 12 months not comparable to annual data

Increased interaction of JODI users and data producers

■ Users

- Share knowledge – Use JODI Forum
 - ◆ On data issues and market analysis
 - ◆ With other users and JODI partners
- Increase understanding of data issues
- Help identify potential areas of development

■ Data providers/administrations/organizations

- Awareness/understanding of how data are used
- Visibility of output and its impact on analysis
- Access to Forum, etc.

Mutually beneficial

Thank you

