



**International  
Energy Agency**

Secure  
Sustainable  
Together

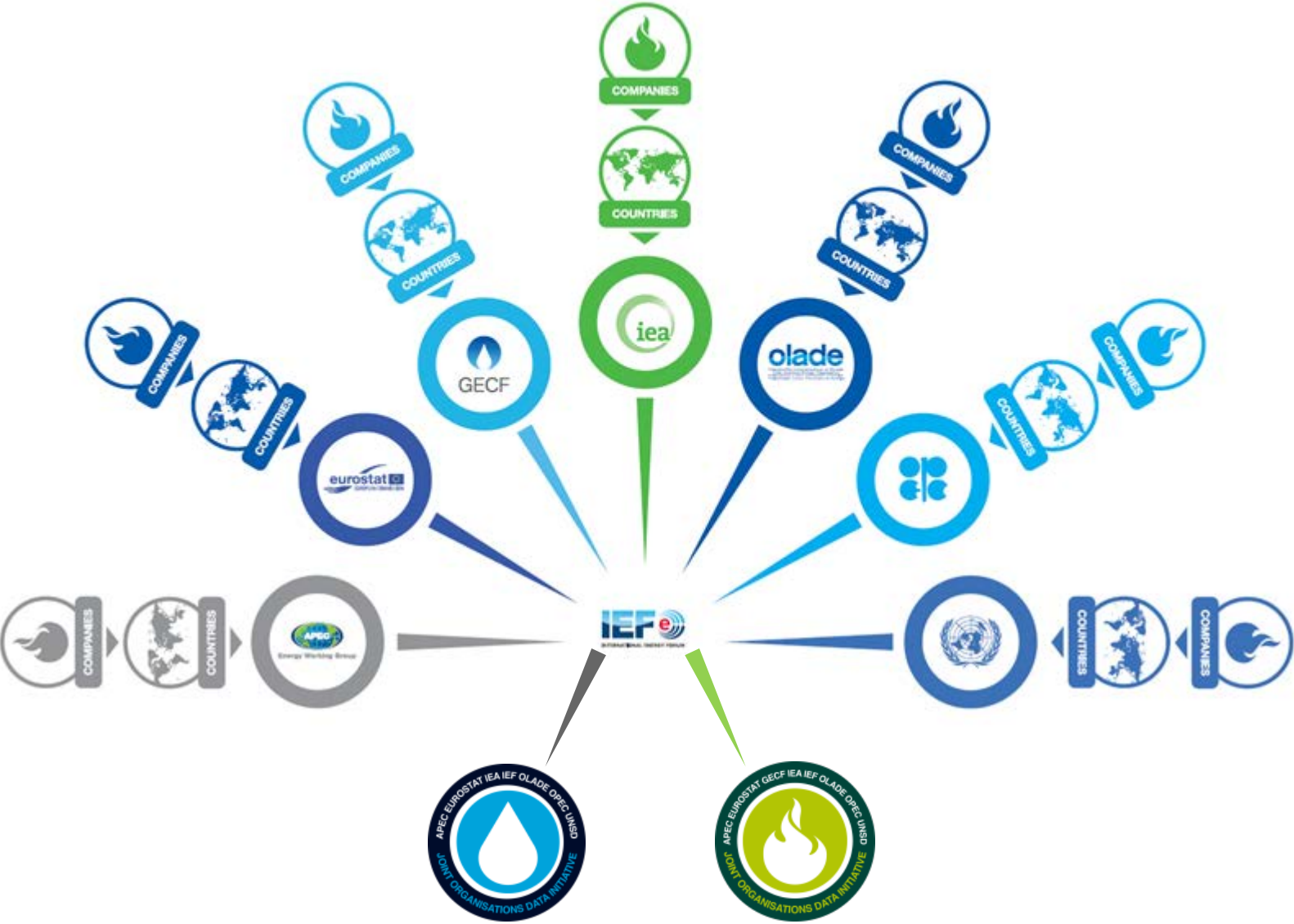
**JODI Information session**

# **JODI**

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

*Erica Robin  
International Energy Agency*

# 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

## ■ Send data to IEF for final validation and publication

# 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**

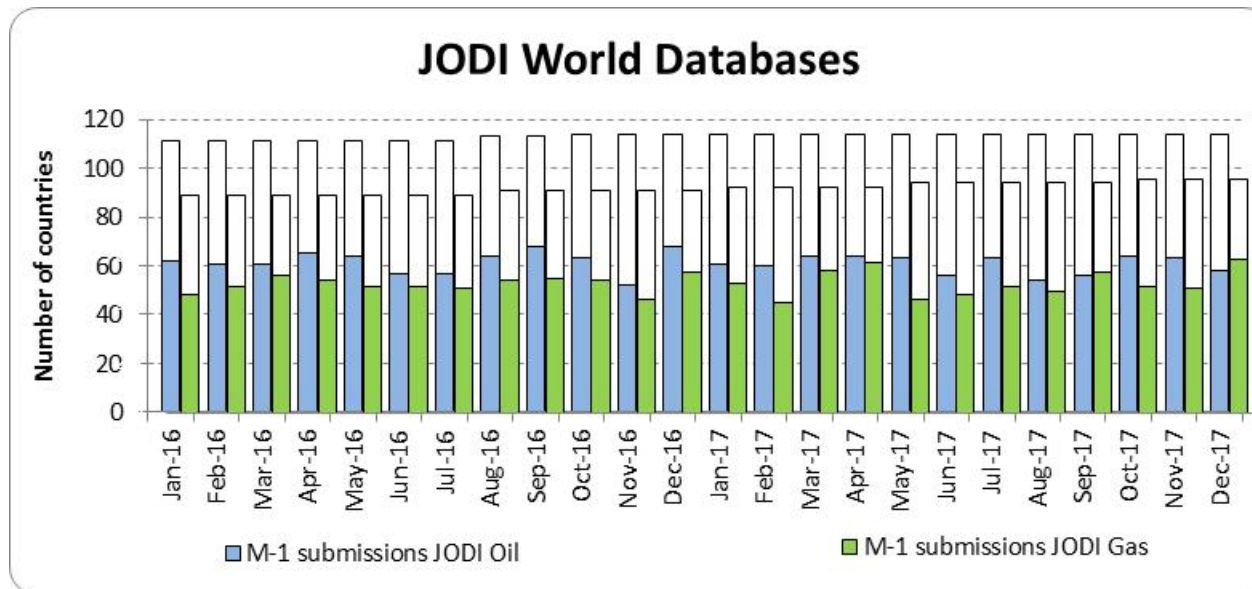
# Challenges

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

# Timeliness

## ■ Challenging M-1 deadline

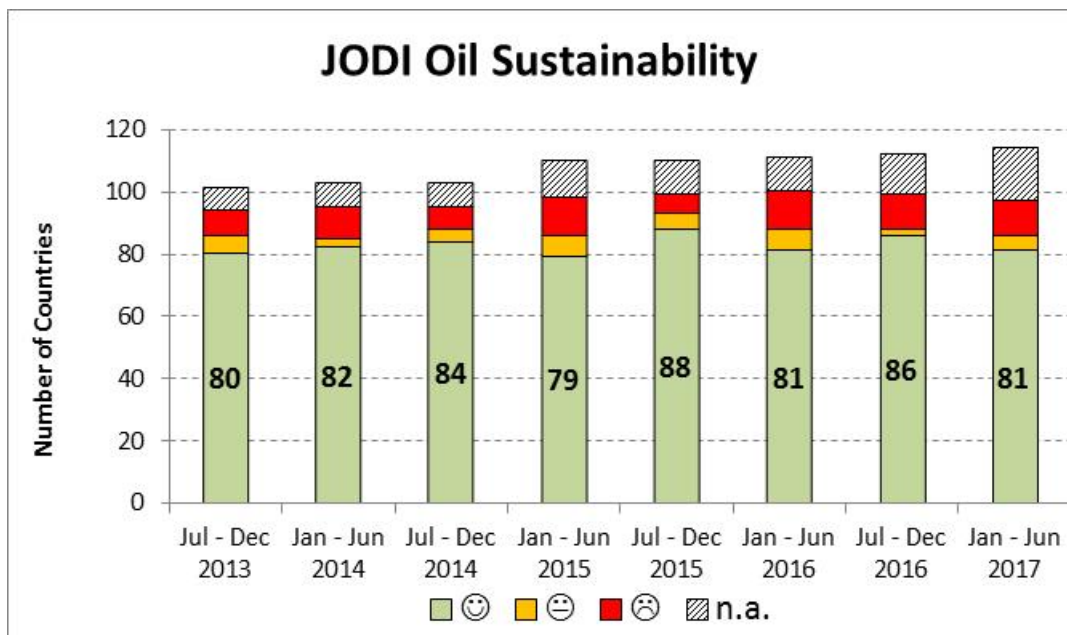
- 25th of the month following reference month
- Multiple departments/agencies involved in collection
- Time needed for checking and processing



**Difficult for all countries to meet the monthly deadline**

# Sustainability

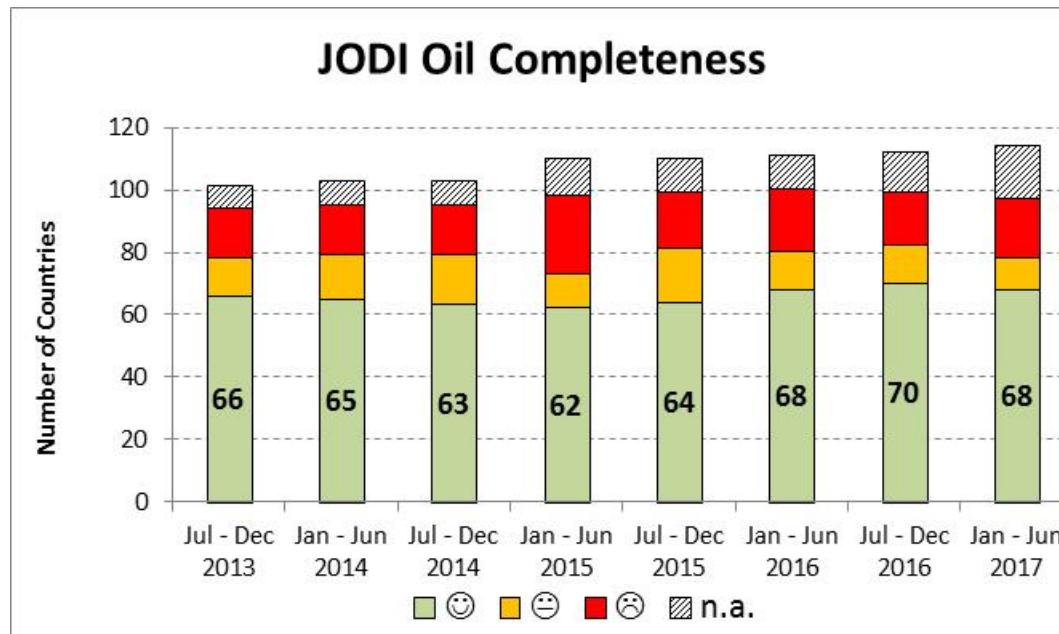
- To be of most use JODI needs regular monthly reporting
  - Some countries miss certain months
  - Some countries submit later (quarterly or annually)





# 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



# 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**

**JODI data are official data**

# 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**



[www.iea.org](http://www.iea.org)

