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

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How JODI works
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
    - +110 countries
    - Around 90% of global supply and demand
  - JODI Gas
    - ≈ 90 countries
    - Around 90% of global supply and demand

- **Official data**
  - Data published is as submitted (after data quality exchanges)
  - Metadata included
  - 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
• Challenging M-1 deadline
  - 25th of the month following reference month
  - Multiple departments/agencies involved in collection
  - Time needed for checking and processing

![JODI World Database](image)

Difficult for all countries to meet the monthly deadline
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