The Joint Oil Data Initiative: transparency issues

Dr Said Nachet
Energy Director
International Energy Forum Secretariat
Summary

JODI: Historical background

JODI Data collection mechanism

Role of stakeholders

Actions ahead
Summary

**JODI: Historical background**

**JODI Data collection mechanism**

**Role of stakeholders**

**Actions ahead**
### Table 1: WORLD OIL SUPPLY AND DEMAND

<table>
<thead>
<tr>
<th>Year</th>
<th>North America</th>
<th>Europe</th>
<th>Total OECD</th>
<th>Non-OECD</th>
<th>OPEC</th>
<th>Total Demand ex. FSU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>22.7</td>
<td>15.0</td>
<td>66.4</td>
<td>26.5</td>
<td>29.9</td>
<td>69.3</td>
</tr>
<tr>
<td>1991</td>
<td>23.1</td>
<td>15.3</td>
<td>67.1</td>
<td>26.7</td>
<td>29.1</td>
<td>71.5</td>
</tr>
<tr>
<td>1992</td>
<td>23.6</td>
<td>15.8</td>
<td>70.6</td>
<td>27.3</td>
<td>29.6</td>
<td>75.5</td>
</tr>
<tr>
<td>1993</td>
<td>24.3</td>
<td>15.8</td>
<td>74.1</td>
<td>27.0</td>
<td>29.8</td>
<td>77.4</td>
</tr>
<tr>
<td>1994</td>
<td>24.0</td>
<td>15.0</td>
<td>73.3</td>
<td>26.4</td>
<td>28.6</td>
<td>75.6</td>
</tr>
<tr>
<td>1995</td>
<td>24.4</td>
<td>15.3</td>
<td>74.0</td>
<td>27.3</td>
<td>28.2</td>
<td>75.8</td>
</tr>
<tr>
<td>1996</td>
<td>24.5</td>
<td>15.1</td>
<td>75.1</td>
<td>27.0</td>
<td>27.9</td>
<td>74.9</td>
</tr>
<tr>
<td>1997</td>
<td>24.4</td>
<td>14.5</td>
<td>73.6</td>
<td>25.9</td>
<td>27.3</td>
<td>73.5</td>
</tr>
<tr>
<td>1998</td>
<td>24.0</td>
<td>14.2</td>
<td>73.0</td>
<td>25.3</td>
<td>26.5</td>
<td>71.6</td>
</tr>
<tr>
<td>1999</td>
<td>24.0</td>
<td>13.9</td>
<td>72.8</td>
<td>24.5</td>
<td>26.2</td>
<td>70.9</td>
</tr>
<tr>
<td>2000</td>
<td>24.3</td>
<td>14.0</td>
<td>73.5</td>
<td>24.6</td>
<td>27.0</td>
<td>71.1</td>
</tr>
<tr>
<td>2001</td>
<td>24.4</td>
<td>14.1</td>
<td>73.7</td>
<td>25.0</td>
<td>27.1</td>
<td>72.7</td>
</tr>
</tbody>
</table>

**Note:**
- Total demand excludes non-OECD supply minus OPEC. Non includes miscellaneous to balance for historical time periods.
The Joint Oil Data Initiative: historical background

- **7th IEF in Riyadh – November 2000**
  Energy Ministers call for more transparency

- **1st JODI Conference – April 2001**
  Responding to this call, six organizations (APEC, Eurostat, IEA, OPEC, OLADE and UNSD) took up the challenge
  They associated countries and oil companies in collecting monthly oil statistics

- **5th JODI Conference – October 2004**
  Decision to make the JODI World Database accessible to all

- January 2005, first inter-organizational JODI meeting hosted at the IEFS premises in Riyadh.

- **November 2005**: JODI Database was released to public
Summary

- JODI: Historical background
- **JODI: Data collection mechanism**
- JODI: Role of stakeholders
- JODI: Actions ahead
What is the JODI Questionnaire?

A Simple Format (42 data points)

Month -1 and Month -2

Choice of units left to organisations

Simple Definitions

Simple Definitions
Data Collection System

Participating Countries

Member countries submit data to their organization

Partner organizations

Data are checked and processed

International Energy Forum Secretariat

Data released on the JODI website
A View of the Live Database

Monthly update, M-1 data

Color code indicating data comparability (blue, yellow, white)
Summary

JODI: Historical background

JODI: Data collection mechanism

JODI: Role of stakeholders

JODI: Actions ahead
The JODI Database

6 Organisations
+ IEF Secretariat

90+ Countries

Oil Companies

Oil Analysts

The Database is only the visible part of the iceberg...
Ministers commitment: JODI is high in the political agenda

- Energy Ministers from both producing and consuming countries, underscore regularly the importance of transparency and exchange of energy data for market predictability and stability.
- As at the 9th IEF (Amsterdam, 2004), JODI was once again under the spotlight at the 10th IEF (Doha, 2006).
- JODI got also strong support at the G8 Summit in July 2006 (St. Petersburg), at the 18th APEC Ministerial and at the G20 Meeting in November 2006 (Melbourne) and more recently at the Second Energy Ministers Roundtable in May 2007 (Riyadh).
Staff in charge of data collection: JODI Training

- Help participating countries to report better quality data in the JODI questionnaire
- Offers participants an opportunity
  - To get clarifications about the definitions, data quality assessment and oil data issues
  - to share their experience on data validation best practices or data collection issues
JODI Training

- 1st JODI Training in Caracas, Venezuela, for Latin-American countries on 14-18 August 2006
- 2nd JODI Training, for Sub-Saharan African countries followed in Johannesburg, South Africa (30 January - 2 February 2007)
  - Inaugural address by the Minister of Minerals and Energy of South Africa
- 3rd JODI Training, for MENA countries will be organized late 2007. IEFS also envisages a workshop for Caspian and Central Asian countries.
Dissemination of information on JODI

- JODI international Conferences
- Regular JODI Newsletters
- Promoting JODI in various fora (conferences, side events)
- JODI Manual
  (can be downloaded: www.jodidata.org)
- JODI Internships
Summary

JODI: Historical background

JODI: Data collection mechanism

JODI: Role of stakeholders

JODI: Actions ahead
6th JODI Conference
Riyadh, November 2006

- Participants have identified a list of prioritized actions to improve further data quality and extend the Initiative
  - Continue to improve completeness, timeliness and reliability of the data
  - Work more closely with a wider range of both data providers and users in order to improve the usefulness of the Initiative and the entire database
  - Extend the JODI questionnaire by disaggregating the existing flows and products
### Extended JODI Questionnaire (proposal)

**Country**

**Month**

**Unit:**

<table>
<thead>
<tr>
<th></th>
<th>Production</th>
<th>Imports</th>
<th>Exports</th>
<th>Direct Use</th>
<th>Transfers</th>
<th>Stocks</th>
<th>Statistical Difference</th>
<th>Refinery Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude Oil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NGL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refinery Output</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum Products</td>
<td>LPG</td>
<td>Naphtha</td>
<td>Gasoline</td>
<td>Jet Kerosene</td>
<td>Kerosene</td>
<td>Gas/Diesel Oil</td>
<td>Fuel Oil</td>
<td>Other Products</td>
</tr>
<tr>
<td>LPG</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasoline</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jet Kerosene</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kerosene</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas/Diesel Oil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel Oil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistical Difference*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closing Stocks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change Stocks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Closing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refinery Intake</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Statistical Difference is calculated as the difference between production and demand.*
Extended JODI Questionnaire
(implementation plan)

- Conduct an Exercise on a trial period basis by sending two formats: the current one (Form 1) and the extended version (Form 2).
- Launch of the trial Exercise should start in 2-3 months after the 6th International JODI Conference to allow partner organisations to consult with Member Countries.
- Assess the results of the trial Exercise at the next JODI Conference.
Achievements through JODI

- Helped raising political awareness on the importance of oil data transparency
- Helped establishing a free sound oil data collection system at the global level
- Improved attitude toward data confidentiality
- Created a momentum for more harmonization and cooperation
- Strengthened producer-consumer dialogue
Conclusion

- JODI is a concrete outcome of what the producer - consumer dialogue can accomplish.
- Launch of the JODI database is a starting point towards enhanced data transparency.
- Transparency will not happen overnight but we are confident that if stakeholders – organizations, countries, industry, analysts – work together, data transparency could be improved significantly.
### Participation in JODI - China

<table>
<thead>
<tr>
<th>Country</th>
<th>Submission</th>
<th>Timeliness</th>
<th>Completeness</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>😞</td>
<td>😞</td>
<td>😞</td>
</tr>
</tbody>
</table>

**No submission of closing stock data**

Categories of participation, as of July-December 2005. Azerbaijan started its participation after July 2005, and therefore is not graded.