

Data & Knowledge Management Conference 1-2 May 2007, Qatar

Promoting Cooperation and Transparency of Oil Data Management Through JODI

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International Energy Forum Secretariat















Global Energy Dialogue

Year	Title	Host	Co-host
1991	Ministerial Workshop	France	Venezuela
1992	Ministerial Seminar	Norway	Egypt & Italy
1994	3 rd Intl. Energy Conference	Spain	Algeria & Mexico
1995	4 th Intl. Energy Conference	Venezuela	EC & Russia
1996	5 th Intl. Energy Conference	India	Brazil & Norway
1998	6 th Intl. Energy Conference	S. Africa	Qatar & U.K.
2000	7 th Intl. Energy Forum	Saudi Arabia	Japan & Netherlands
2002	8 th Intl. Energy Forum	Japan	Italy & UAE
2004	9 th Intl. Energy Forum	Netherlands	Iran & Norway
2006	10 th Intl. Energy Forum	Qatar	China & Italy
2008	11 th Intl. Energy Forum	Italy	India & Mexico

International Energy Forum Secretariat (IEFS)

- 2000 Crown Prince Abdullah proposes establishment of a permanent Secretariat for the IEF.
- 2002 The 8th IEF (Osaka) endorses the proposal.
- 2003 The Secretariat begins operations.
- 2005 King Abdullah of Saudi Arabia inaugurates the new HQ.

Three Pillars of Activity



Support Host & Co-host Countries of IEF Ministerials.



Facilitate & Enhance Transparency and the Exchange of Energy Data & Information.



Provide Continuity & Platforms for Exchange of Policy Views.

The Joint Oil Data Initiative 1/2

- 7th IEF in Riyadh November 2000
 - Ministers call for more transparency
- 1st JODI Conference April 2001
 - Following call for more transparency, six organizations (APEC, Eurostat, IEA, OPEC, OLADE and UNSD) took up the challenge
 - They associated countries and oil companies in collecting monthly oil statistics
 - With the aim of improving transparency by releasing monthly oil data on global supply and demand

The Joint Oil Data Initiative 2/2

- 4th JODI Conference October 2003
 - Focus on the Top 30 countries
 - Concentrate on three flows; production, stocks and demand
- 5th JODI Conference October 2004
 - Decision to make the JODI World Database freely accessible to all
- 6th JODI Conference November 2006
 - The JODI World Database: one year later

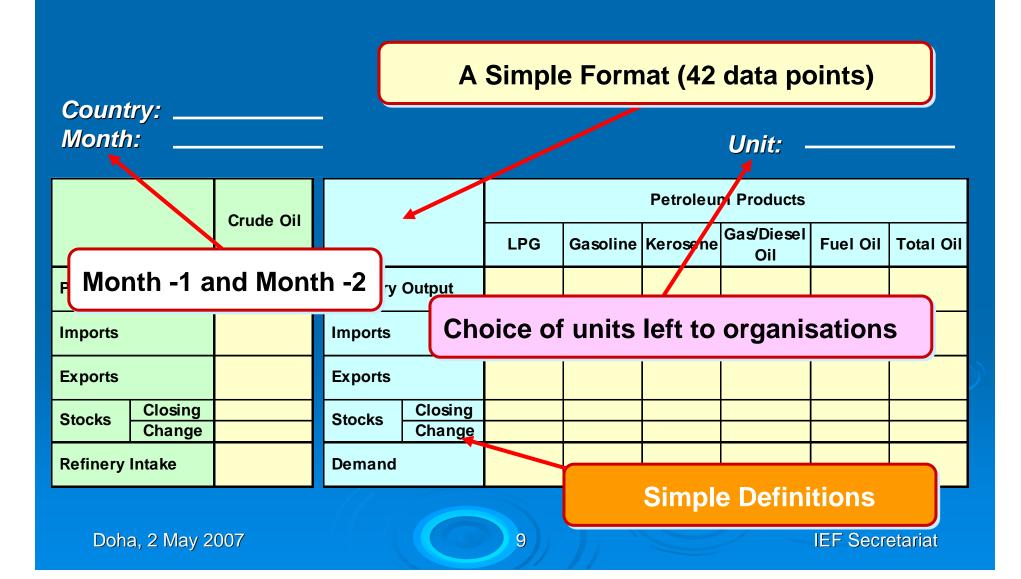
The IEFS and JODI

- Ministers at the 9th IEF Meeting in May 2004 voiced their support for the IEFS to assume a coordinating role in JODI
- Participants at the 5th JODI Conference reiterated their support to the IEFS to play a more active role in JODI
- January 2005, first inter-organizational JODI meeting hosted at the IEFS premises in Riyadh.
- The IEF Secretariat hosted the 6th JODI Conference in November 2006 in Riyadh, Saudi Arabia.
- JODI coordination is the flagship of Secretariat's activities promoting data sharing and market transparency

Launch of the JODI World Database

- A Review Committee chaired by the IEFS was established to evaluate the quality of the data (Jan 2005)
- An independent oil analyst was hired to ensure the impartiality of the assessment (Apr-May 2005)
- A unique color cell feature with information on comparability of data with other sources was implemented (Sep 2005)
- Upgrade of the JODI website and re-launch under a new name: <u>www.jodidata.org</u> (Oct-Nov 2005)

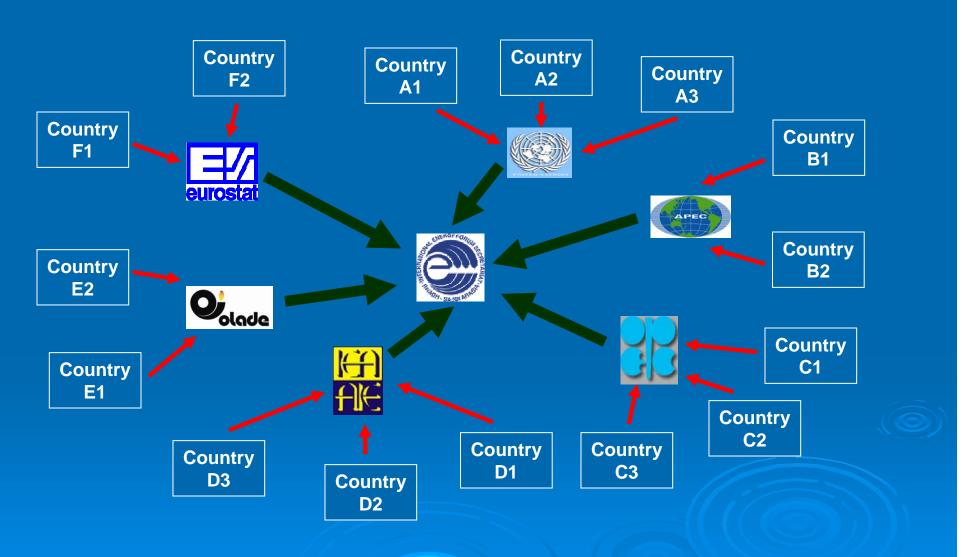
What is the JODI Questionnaire?

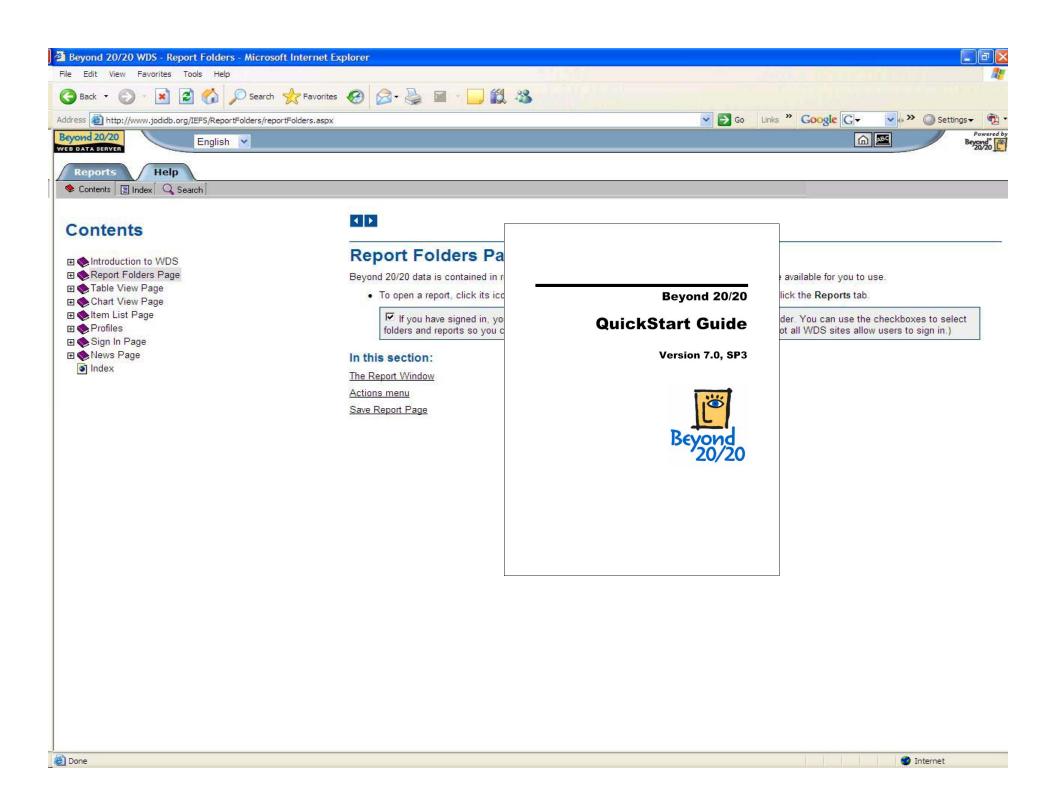


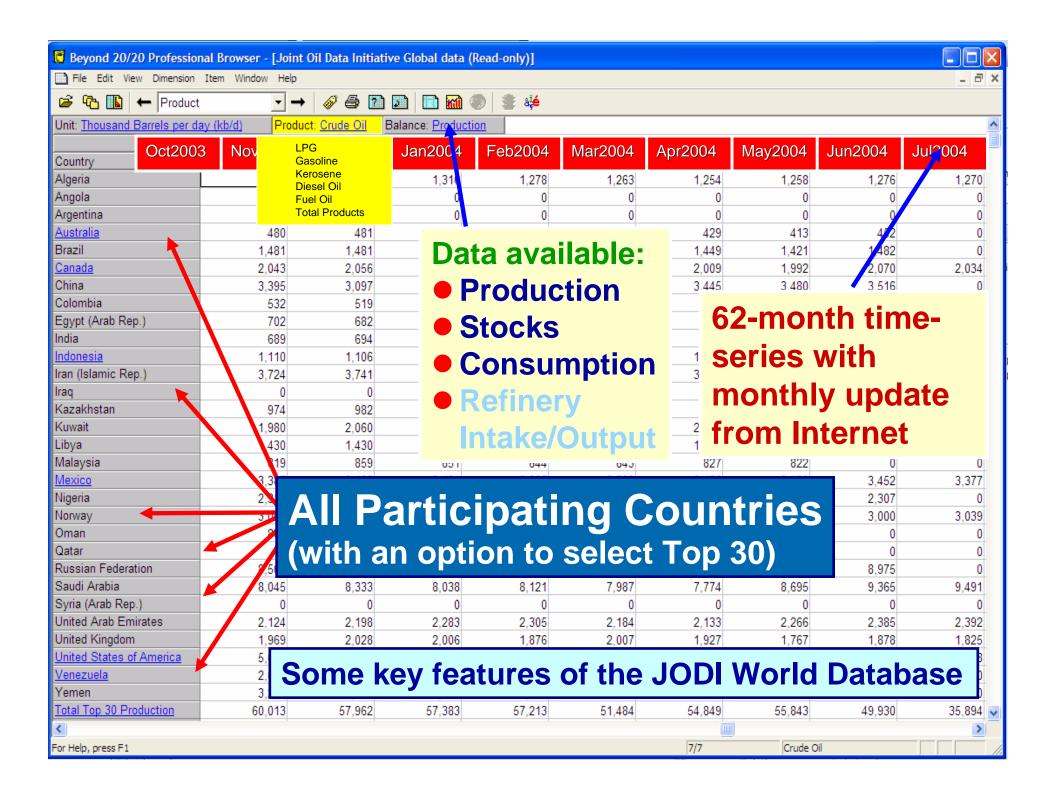
Database Structure

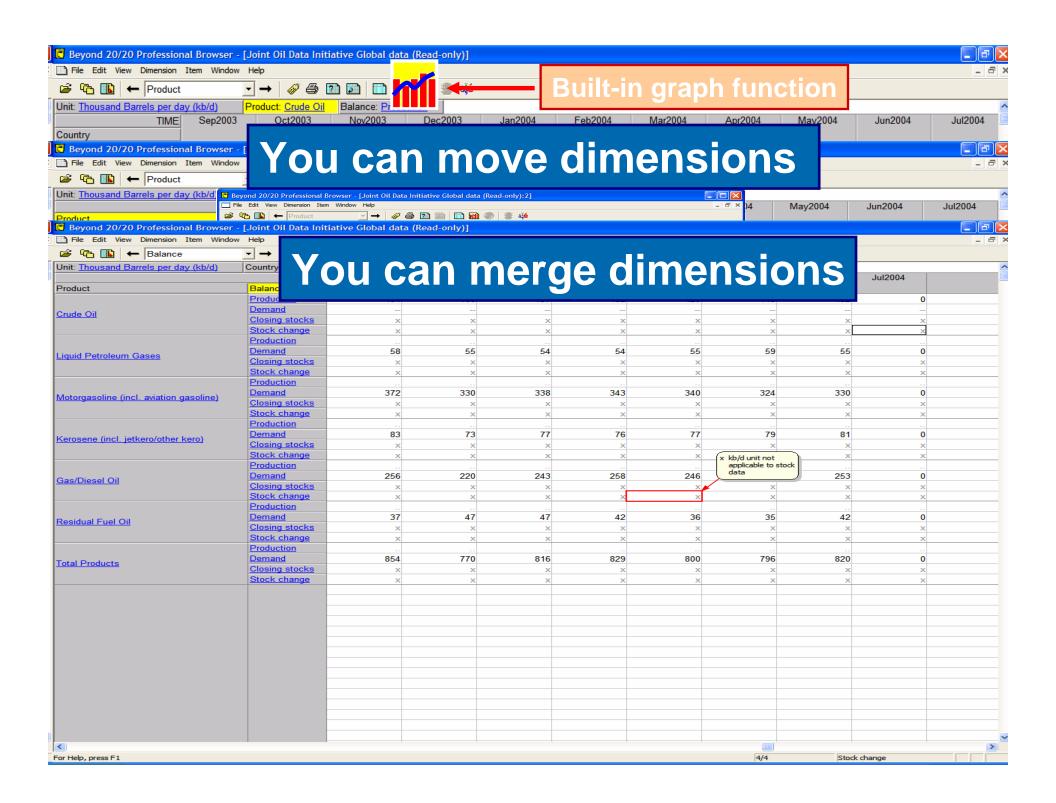
- 5 dimensions:
 - Flows: production, demand, refinery intake and output, and stocks.
 - Products: all JODI products.
 - Units: tons (kmt), litres (kL), Barrels (kbl and kb/d) and conversion factors.
 - Time: January 2002 to M-1 (Feb 2007).
 - Countries: all participating countries.
 Currently, data for more than 90 countries in the table.

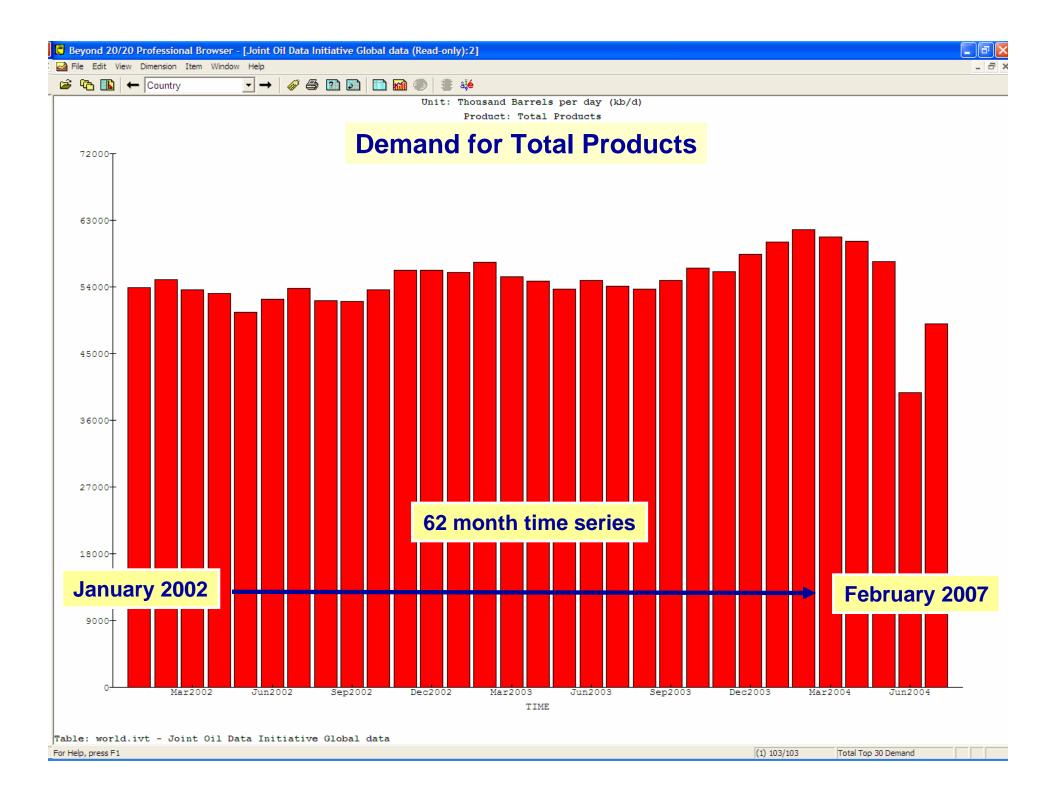
Data Collection System











10th IEF in Doha, Qatar, April 2006

- Participation of 59 countries and 6 international organizations
- Preceding the Ministerial, 32 companies participate in the 2nd International Energy Business Forum (IEBF)
- Presentation to the Ministers and to the press of the latest progress on JODI

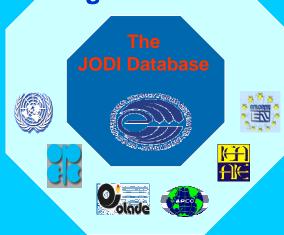
Doha, 2 May 2007 IEF Secretariat

The Doha Call

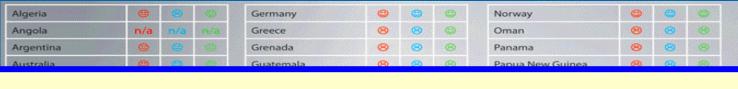
Oil Companies

Countries

Organisations



Participation in JODI









Chile	8	. 6	69	Ireland	⊜	8	9	Singapore	0	((8)
China	⊜	8	9	Italy	0	0	0	Slovak Republic	0	0	0
Chinese Taipei	0	0	0	Jamaica	8	8	8	Slovenia	0	0	0
Colombia	8	8	8	Japan	0	9	0	South Africa	0	0	0

Ams

A lot of efforts remain to be done although situation improved for the top 30s (producers, consumers and stockholders)

Doh



Categories of participation, as of July-December 2005.

Azerbaijan started its participation after July 2005, and therefore is not graded

10th IEF - Highlights

- Like at the previous Forum in Amsterdam in 2004, JODI was once again in the spotlight
- Ministers from both producing and consuming countries, underscored the importance of transparency and exchange of energy data for market predictability and stability
- Ministers reaffirmed their commitment to providing timely and accurate data to JODI
- And envisaged cooperation in expanding, in due course, the initiative to include data of other sources of energy

JODI Manual 1/2

- Preparation of a methodology manual.
 - Establishment of a JODI manual team
 - More information and explanations on the definitions and methodology requested for the JODI questionnaire
- Definitions of products and flows are the heart of the manual, however it also includes chapters on:
 - Data verification methods
 - Examples of practices from participating countries
 - The JODI questionnaire and database

JODI Manual 2/2

- The JODI manual is progressively translated into other languages than English: a Spanish version is available and a French version is under preparation
- The JODI manual is a living document and feedback is an essential element in the drive for progress

JODI Training 1/3

- To help the participating countries to report better quality data in the JODI questionnaire
- It 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 2/3

- 1st JODI Training in Caracas,
 Venezuela, for Latin-American countries on 14-18 August 2006
 - Organized by OLADE, the IEFS, PDVSA and the Venezuelan government
 - More than 30 participants from 14 countries (including major Latin-American producer/consumer countries like Brazil, Columbia, Mexico and Venezuela)
 - Participation of the IMF

JODI Training 3/3

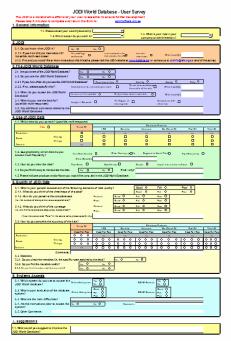
- 2nd JODI Training, for Sub-Saharan African countries followed in Johannesburg, South Africa, on 30 January - 2 February 2007
 - Organized by the IEFS, with the support of its JODI partners and the South African government
 - More than 30 participants from government and industry from six Sub-Saharan Countries
 - Inaugural address by the Minister of Minerals and Energy of South Africa
- 3rd JODI Training, for MENA countries will be organized late 2007. Prior to that, the IEFS also envisages a workshop for Caspian and Central Asian countries before summer 2007

6th JODI Conference 25-26 November 2006, Riyadh 1/2

Organized by the IEF Secretariat in cooperation with the JODI partners

One year later (launch of the d

- Objectives:
 - To get a better understandir database is perceived by use users
 - To identify actions to further quality
 - To get guidance for further extending the Initiative



6th JODI Conference 25-26 November 2006, Riyadh 2/2

Some 100 participants from more than 30 countries, 10 international countries, 10 oil companies and institu

 Inaugural address by HE Minister of Petroleum and M of Saudi Arabia

 Release of the JODI Manu download on the JODI webs

JODI World Database now refinery intake and refinery output

Joint Oil Data Initiative Manual

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www.jodidata.org

6th JODI Conference Conclusion

- Participants have identified a list of prioritized actions to be taken to further improve data quality and extend the Initiative
 - To continue to improve completeness, timeliness and reliability of the data
 - To 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
 - To extend the JODI questionnaire by disaggregating the existing flows and products

Promotion of JODI

- JODI side events
 - At the 14th Session of the UNC: May 2006
 - At the ONS Conference in Sta 2006
- Regular JODI Newsletters
- JODI section of the IEFS News
- High political support at the G Petersburg in July 2006 and r the 18th APEC Ministerial a Meeting in November 2006



Joint Oil Data Initiative Newsletter

The JODI partners have been very carbon for the fact from control from the fact from control from the fact from th

A new version of the Beyond 2002. Browser is now available for download on the JODI website. This software JODI work of the JODI website and described work or further improving the quality of the data and the accessibility of the JOD website and database. However there are imitations on what they car global of database requires the JOD participation of all organizations countries, lindustry and any othe interested participation of the JOD will be participation of all organizations countries, lindustry and any othe interested participation of the JOD was not present the JOD will be participation of all organizations countries, lindustry and any othe interested participation of the JOD was not present the JOD will be participation of all organizations countries, lindustry and any othe interested participation.

In this issue

10th IEF and 2th IEBF
 Inter-Secretariat JODI meeting
 Beyond 2020 – New Browser
 JODI side events and meetings
 Note from the IEFS Energy Director

ternational Energy Forum - 2nd International Energy Business Forum

(IEF) took place in Doha, Qatar on 22 24 April 2006 with the participation of 59 countries and 6 internations countries, underscored the importance of transparency and exchange of energy data for market predictability

st

eurostat

THE JOINT OIL DATA INITIATIVE

10° IEI

As was the case at the previous Forman in Americaliania 2004, 20DI was once again in the good light at the 10° International Energy Forman in Doba, Quitar, or 22-24 April 2006. Minister of both producing and committing countries underscend the impression of temperature and changes of many data for marine predictability and stability through the Joint Oil Data Initiative. Some Ministers also expressed other interest in the opposition of the Initiative to

and stability through the Joint Oil Data Instative. Some Ministers to be opposed on the Instative to be classed and of other courses of energy. As broaden proposed for the Instative to be classed and of other courses of energy. As broaden proposed for the Postan was presented by the way partner organization A press conference was organized to the Postan Postan Course of the Postan Pos

N partners, updated IEF Ministers on the latest prog N and called for more commitment.

On 10-11 May 2006, the UNSD hosted a meeting on the development of a XODI methodology manual back-to-bac with an Inter-secretariat XODI meeting at its headquarters in New York.

Updates on the development of the 2O DI World Database and on the assessment of timeliness, completeness, so venage and quality of 2ODI data were presented by the partner cognisations. The results of the quality review of the refinery intake and coupst data were discussed. Although the quality of the data is of satisfactory levels for many countries, further analysis will be carried out

One of the main topics on the agenda was the preparation of the planned JODI training sessions. The partners were joined by the IMF for this discussion. The first training session, for Latin American countries, is envisaged to take place in Venezuela from 14 to 18 August 2005. A second training session is envised to 100 to

Lastly, the JODI partners discussed preparations for the 6 JODI Conference which will take place at IEF Secretaris headquarters in Riyadh in November 2006. The conference is an opportunity for all stakeholders (industry, countrie and organisations) to exchange views and so discuss the

take place in Venezuela cound training session is further improving the quality of the do of the JODI website and database. It d preparations for the 6th place at HEF Secretariat place at HEF Secretariat for download on the JODI website.

The 8th Issue of the JODI Newsletter published on 21 June gives more information and is available at several odd late, over and at several bloom on

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Doha, 2 May 2007 28 IEF Secretariat

Importance of Oil Data Transparency to Oil Market Stability

- Oil is dominant in the world energy balance
 - Oil will remain the single most important fuel by 2030
- Oil is dominant in the international energy trade
 - International oil trade is expected to grow further due to reserves depletion in major consuming countries and increasing demand in emerging economies
- Oil is important for oil exporting economies
 - Oil exports provide a large part of the revenues of those countries
- Oil is important for importing countries
 - Oil price fluctuations have a significant impact on consuming country economies

Factors Affecting the Global Oil Market

- Production, consumption, inventories (fundamentals on physical markets)
- Lack of information on market fundamentals is a source of uncertainty for market actors who tend to assess flows and inventories in order to be able to take position in the oil market
- This open a window for speculation and speculators action is magnified when external development are affecting the oil market (forces of nature, geopolitical development in producing countries, etc)

Doha, 2 May 2007 IEF Secretariat

Strategic Dimension of Oil

- Oil price movement has an impact on other energy prices too
- Consuming countries are concerned about security of supply
- Producing countries are concerned about security of demand
- However, security of demand and security of supply are two sides of the same coin

Doha, 2 May 2007 IEF Secretariat

Why Accurate and Transparent Oil Data is crucial?

- A clearer picture of oil market fundamentals (supply, demand, stocks, etc) can help better understand drive behind movement prices
- To support sound decision making:
 - Reduce speculation and market volatility
 - Facilitate improved short-term market assessment
 - Facilitate optimal investment decisions

Achievements of JODI

- Helped raising political awareness of the importance of oil data transparency
- Helped establishing a free sound oil data collection system worldwide
- Improved attitude toward data confidentiality
- Created a momentum for more harmonization and cooperation
 - broader cooperation on data issues, joint workshops
- Strengthened producer-consumer dialogue

JODI: a first step towards harmonisation

Agreement on	Yes	Partial	No
Definitions		√	
Units	√	√	
Questionnaires	✓		
Methodology	√		
Processing	√	√	
Quality checks/standards	√	√	
Dissemination	√		

What is on the Agenda for the next months

- Improving timeliness, coverage and reliability
 - A call on countries to further improve their submissions (6th JODI Conference)
- Expanding the JODI questionnaire
 - Horizontally: more products (NGLs, ...)
 - Vertically: more flows (stocks, trade, ...)
- Improving the speed for accessing the database
- Refreshing the whole JODI website

Conclusion

- JODI is a concrete outcome of what the producer - consumer dialogue can accomplish
- Launch of the JODI database is a starting point towards full data transparency
- Transparency will not happen overnight but we are confident that if we – organizations, countries, industry, analysts – all work together, we will improve data transparency

www.jodidata.org