

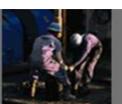
# Promoting Cooperation & Transparency of Oil Data Management through JODI

#### Fuad A. Al-Zayer Head Data Services Department OPEC











#### **OUTLINE**



Transparent oil data essential for market stability

Data management in OPEC

Joint Oil Data Initiative (JODI)

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#### Why is good data essential for oil market stability?

- Support sound decision making
- Encourage investments
- Reduce market volatility
- Facilitate improved short-term forecasts
- Ensure oil market stability



### OPEC's production decisions – significant impact on the oil market

#### **Decisions based on**

- Economic forecast
- World oil demand
- Non-OPEC supply
- Inventories
- Refinery utilization and margins
- Oil and product prices

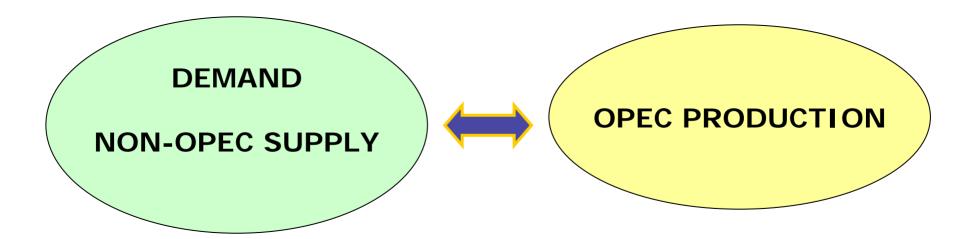


#### Challenges in assessing oil data

- Unreliable poor quality data
- Unavailability of certain data
- Revision of historical data
- Uncertainty about market outlook



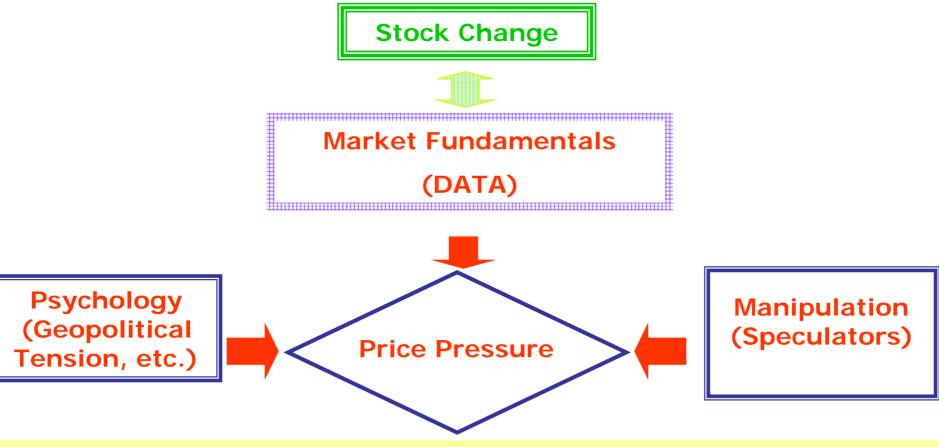
#### **Market Fundamentals**



Expectation of fundamentals is a tool to predict inventory movements



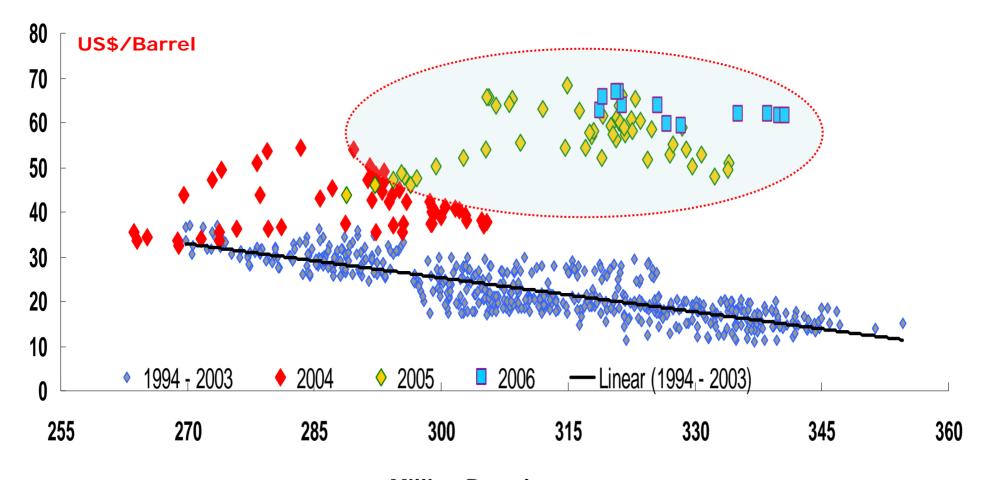
#### Oil Price & Market Fundamentals



Expectation of inventory movements, among other factors, drives the direction of crude oil prices.



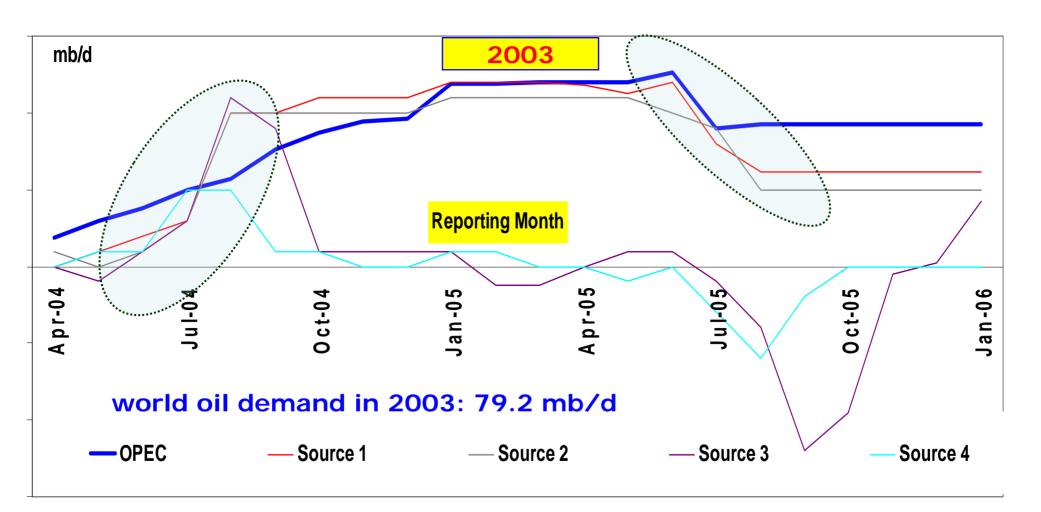
#### WTI versus US Crude Stocks



**Million Barrels** 



#### Continued revisions of historical oil demand



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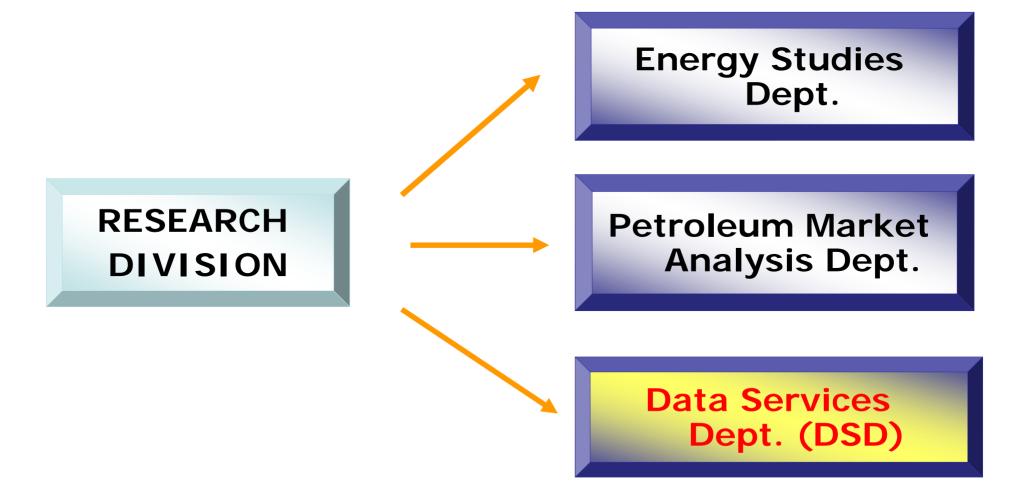
Joint Oil Data Initiative (JODI)







### Data Management an Integral Part of Research Activities in OPEC





**Energy Studies Dept. (ESD)** 



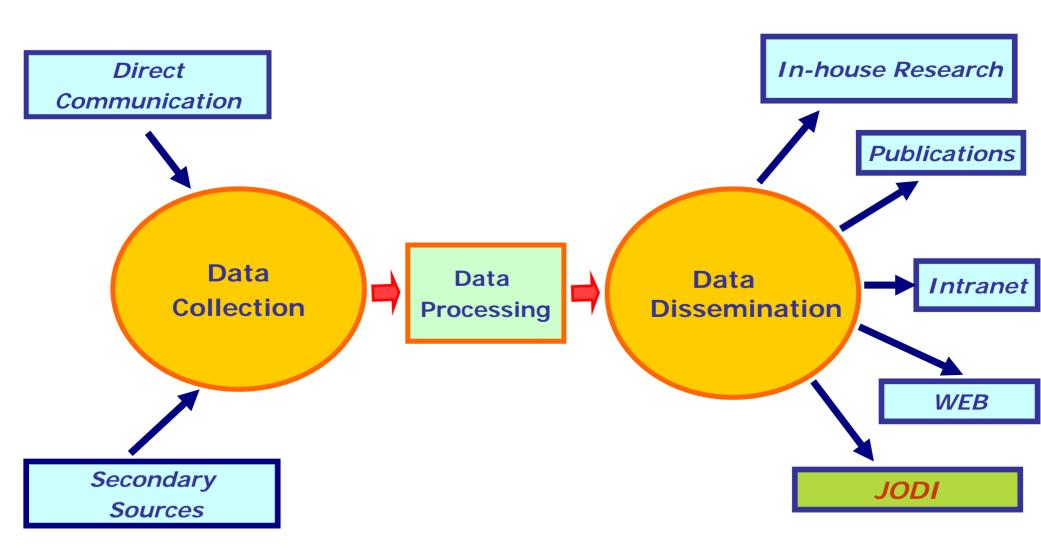
SG Research Division

Petroleum & Market
Dept. (PMAD)



Public Relations & Information Dept. (PRID)







#### **OPEC Database**

- Macroeconomic Components
- Reserves, Capacity
- Energy Statistics and Balances
- Oil Supply
- Oil Demand
- Refinery Operations
- Prices
- JODI



OPEC Member Countries Non-OPEC countries: e.g. China, Mexico etc.



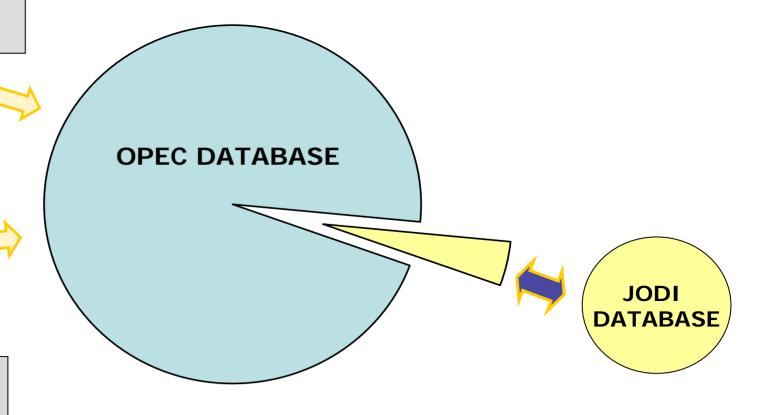
Direct Sources

Secondary Sources



IEA/OECD
IMF
World Bank
Platt's
Petroleum Argus

#### **OPEC** database





#### OPEC webpage - www.opec.org

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Hofburg Palace, Vienna, Austria, 12 Sept. - 13 Sept. 2006

OPEC's mission is to coordinate & unify the petroleum policies of Member Countries & ensure the stabilization of oil prices in order to secure an efficient, economic & regular supply of petroleum to consumers, a steady income to producers & a fair return on capital to those investing in the petroleum industry.

**EXTRAORDINARY** MFETING

#### OPEC BASKET PRICE

05/05/2006: \$65.06 🔻 (\$1.04)



The price of OPEC basket of eleven crudes stood at 65,06 dollars at barrel on Friday 5/5/06, compared with 66.10 dollars the previous day (Reviced), according to OPEC

Initial data for 2006 shows the world

economy continues to experience strong growth, despite disappointing

GDP growth in the final quarter of

Secretariat calculations.

#### LATEST PRESS RELEASES

- Statement by OPEC Conference President
- Resolutions adopted by the 140th Meeting of the OPEC Conference

#### LATEST PUBLICATIONS\REPORTS

- ▶ OPEC Long-Term Strategy
- Monthly Oil Market Report (Apr.06)
- ▶ Market Indicators
- ▶ OPEC Bulletin (Mar-Apr. 06)
- Annual Statistical Bulletin 2004

#### RECENT SPEECHES

last year, according to the OPEC Monthly Oil Market Report, "Consensus forecasts have been revised up and the world economy is

SPECIAL FEATURE

Oil market stability and its importance to



#### OPEC webpage - www.opec.org



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#### REFERENCE PRICES

#### **OPEC Basket Price**

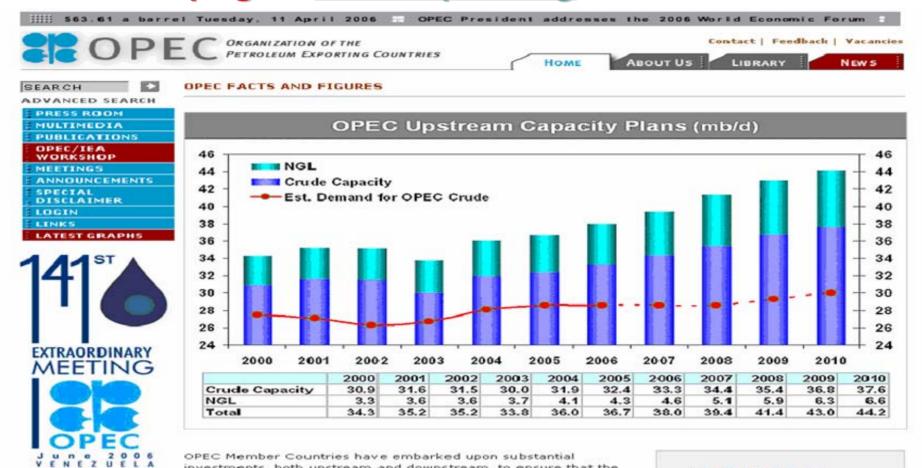




The new OPEC Reference Basket (ORB) is made up of the following: Saharan Blend (Algeria), Minas (Indonesia), Iran Heavy (Islamic Republic of Iran), Basra Light (Iraq), Kuwait Export (Kuwait), Es Sider (Libya), Bonny Light (Nigeria), Qatar Marine (Qatar), Arab Light (Saudi Arabia), Murban (UAE) and BCF 17 (Venezuela).



#### OPEC webpage - www.opec.org



investments, both upstream and downstream, to ensure that the

world economy benefits from regular and secure oil supplies. Crude oil production capacity is projected to increase to around 38

mb/d by 2010.

Similarly, production capacity of NGL and other liquids will be expanded by over 2 mb/d. In addition,

Explanatory Notes

#### **OUTLINE**



Transparent oil data essential for market stability

Data management in OPEC

Joint Oil Data Initiative (JODI)



- Consumer-producer dialogue dates back to the 1980's
- Common interest of producers and consumers
  - Stable oil market
  - Reliable and transparent oil data



**JODI** 



#### **Objective of JODI**

- JODI launched in 2001 by six organizations OPEC, APEC, Eurostat, IEA, OLADE and UNSD
- Response to a directive from Ministers at the 7th International Energy Forum (IEF) Nov. 2000, who saw the need for an initiative that would enhance "cooperation among relevant international organizations, as well as participating countries, in improving timely access to energy data"



#### 7<sup>th</sup> IEF Meeting — in Riyadh 2000

- High volatility in oil prices
- Lack of transparent reliable statistics
- Efforts to increase data transparency
- Ministers at IEF support better data

#### Birth of Joint Oil Data Exercise









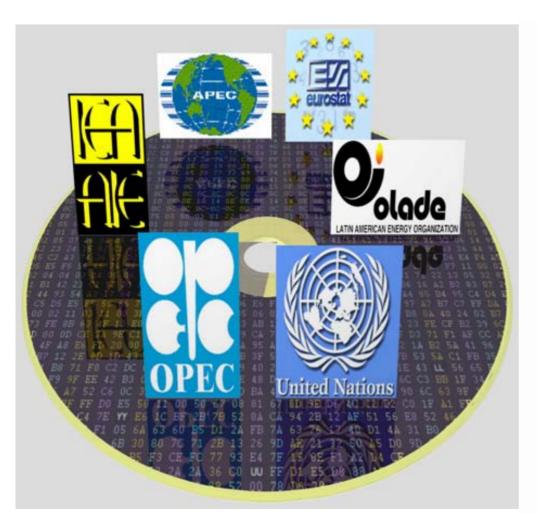




- Raise awareness for oil data
- Transparent consumer-producer oil data



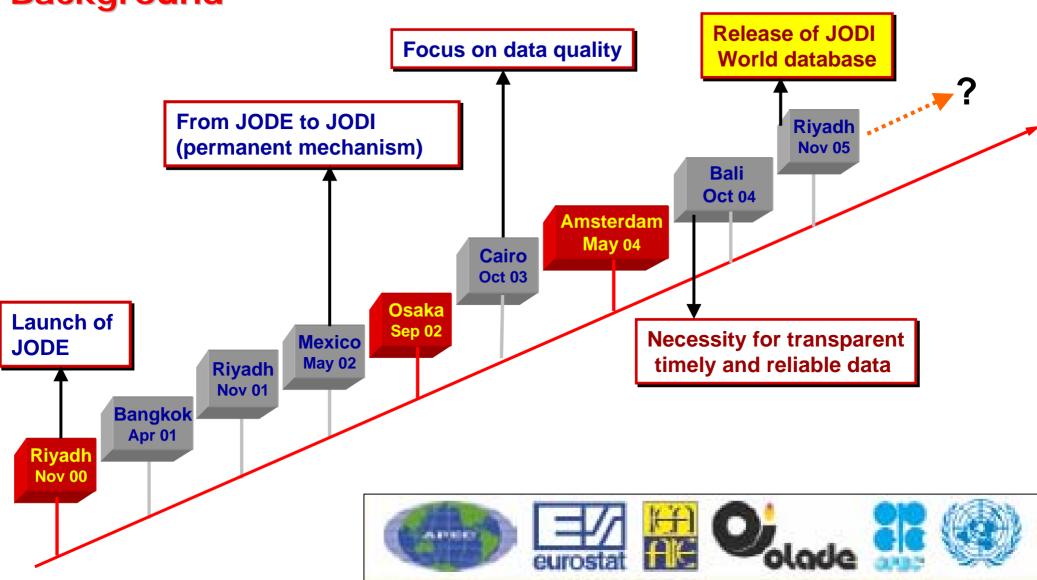
### www.jodidata.org







### **Background**





#### Launch of JODI world database



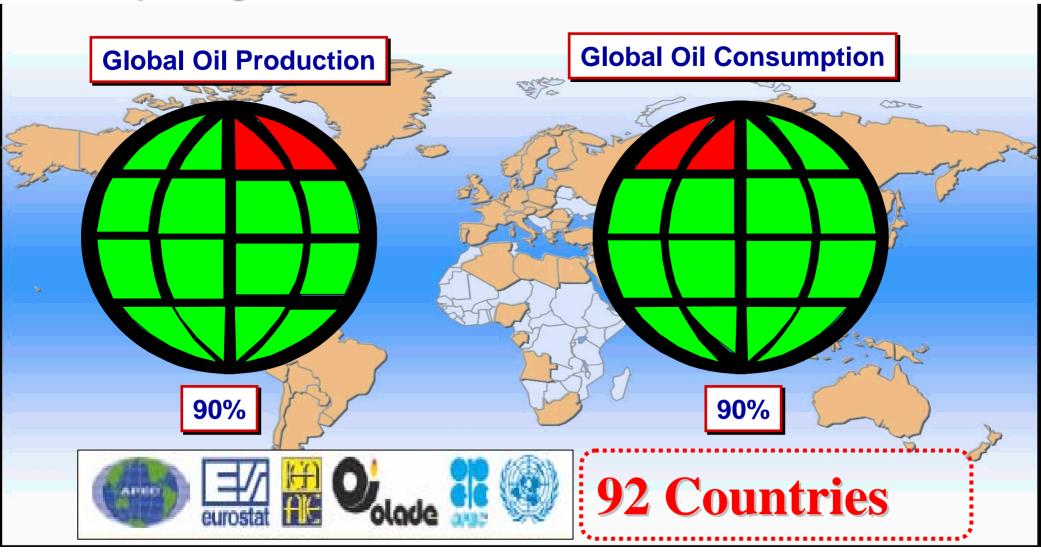








#### **Participating countries**





#### **Achievements of JODI**

- Political awareness in data reliability
- Improved attitude toward data confidentiality
- Strengthened producer-consumer dialogue
- Cooperation



#### Cooperation

- Establishment of a joint review committee
- Broader cooperation on data issues
- Joint workshops



#### Data management - knowledge in JODI

- Broader data accessibility
- Enhanced awareness of statistical data
- Improved oil data quality



#### **Broader data accessibility**

kb	
Algeria	2,859
Argentina	4,407
Brunei Darussalam	2,273
Brazil	25,643
Bulgaria	2,074
Chile	6,926
Chinese Taipei	28,984
Costa Rica	464
Cyprus	219
Ecuador	9,037
El Salvador	705

Jamaica	940
Kazakhstan	33,235
Lithuania	1,986
Nicaragua	639
Nigeria	10,212
Peru	2,368
Philippines	9,676
Romania	2,552
Russian Federation	500,241
Saudi Arabia	167,644
South Africa	14,134
Venezuela	44,910

Reported Non-OECD crude oil stocks in 2004 = 873 mb



#### Increased awareness

- Acknowledgement of IEFS role
- Participation of oil industry
- Coverage by media
- Interest in JODI world database



# Increased awareness of JODI at high level meetings and in the media

Meeting of G8 energy ministers (Moscow, March 2006)
<u>G8 statement on energy security:</u>

"Ministers confirm our support for appropriate international initiatives such as the Joint Oil Data Initiative aimed at greater accessibility and transparency of data..."

- 10<sup>th</sup> International Energy Forum (Doha, April 2006)

  "Ministers reaffirmed their commitment to providing timely and accurate data to JODI and envisaged co-operation in expanding, in due course, the initiative to include data of other sources of energy that are important in the world energy mix."
- International oil



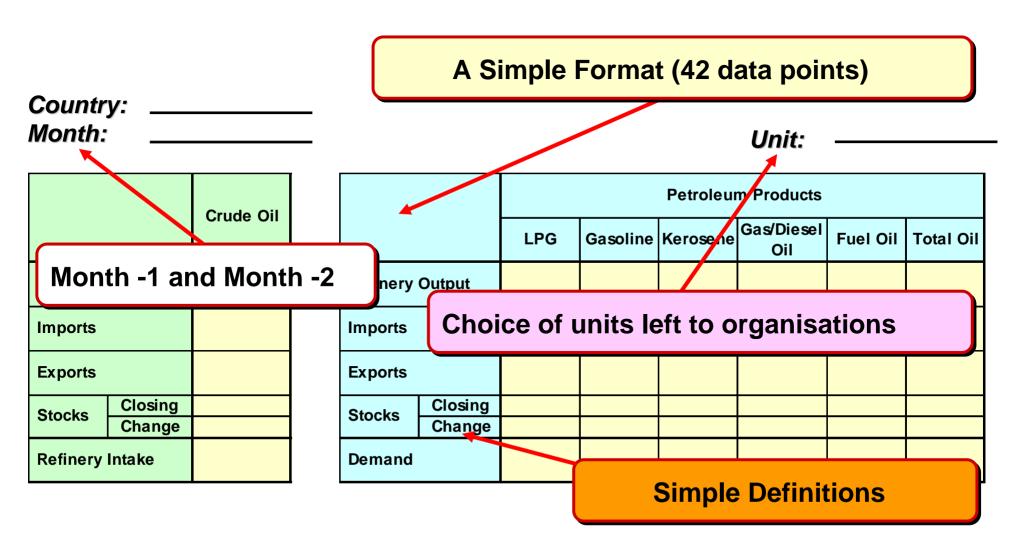
#### **Collected information**

#### Monthly crude/product data (M-1) on

- Production
- Import
- Export
- Closing Stocks/Stocks Change
- Refinery Intake
- Refinery Output
- Demand



#### **JODI Questionnaire**





#### Contents of JODI world database

- Monthly crude/product data (M-1)
- Production

- Closing Stocks/Stocks Change
- Demand

www.jodidb.org



#### The JODI world database

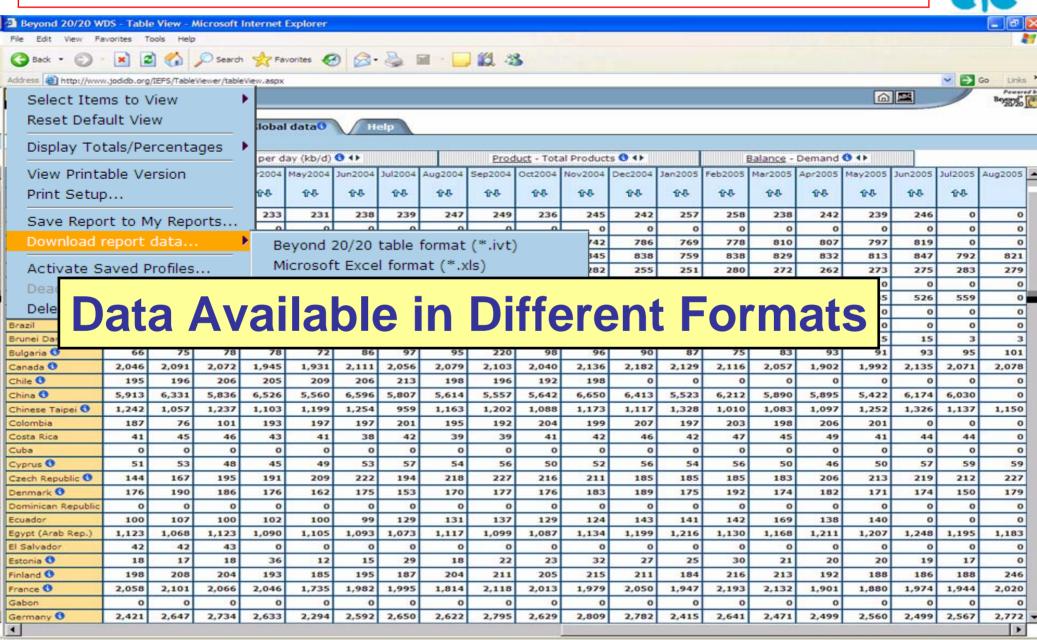
Open to the public since

19 November 2005

www.jodidb.org

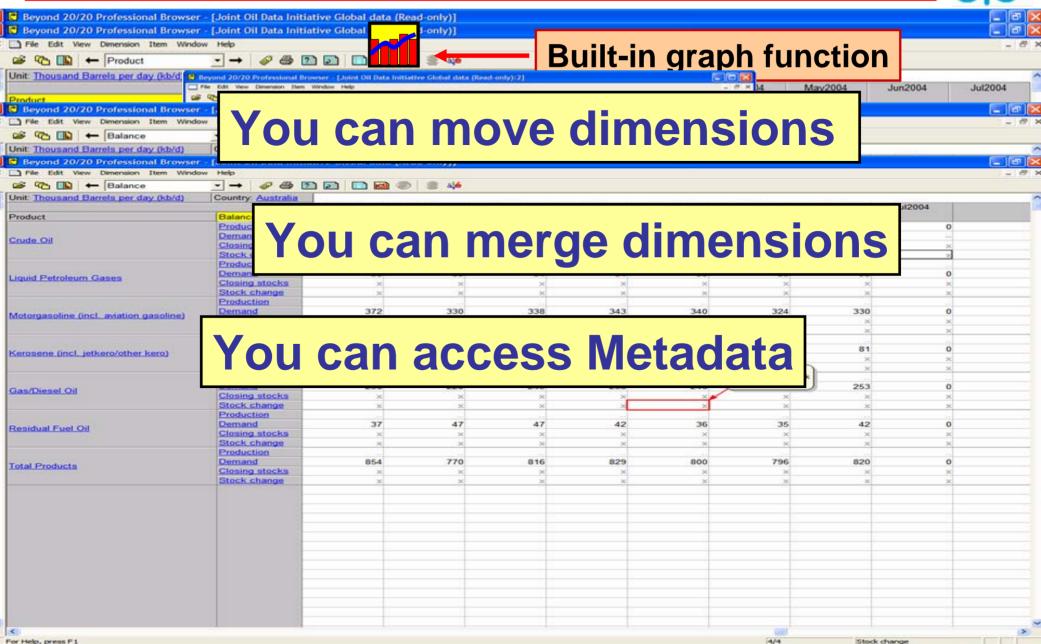


Internet

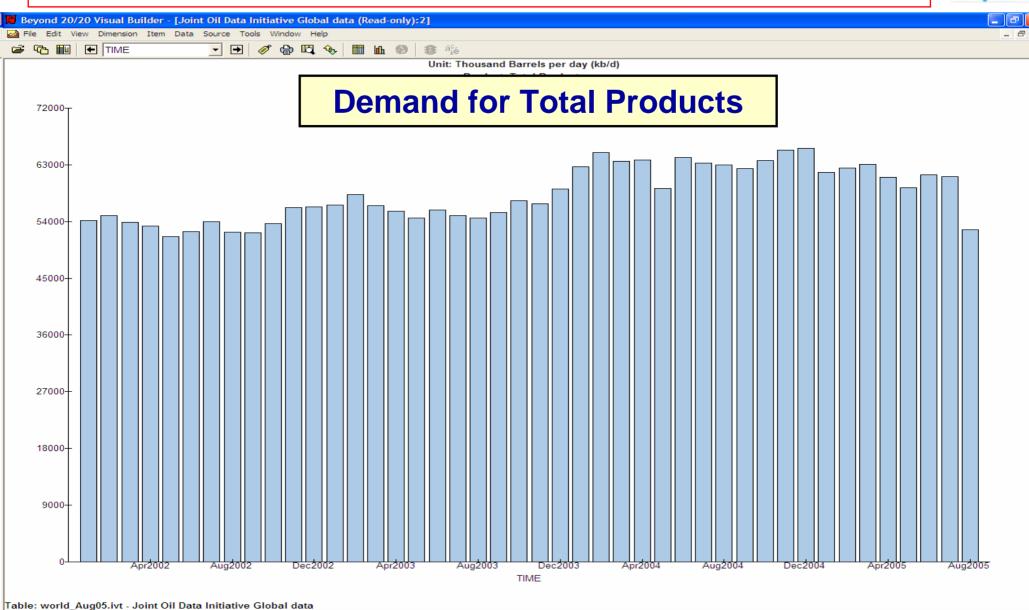


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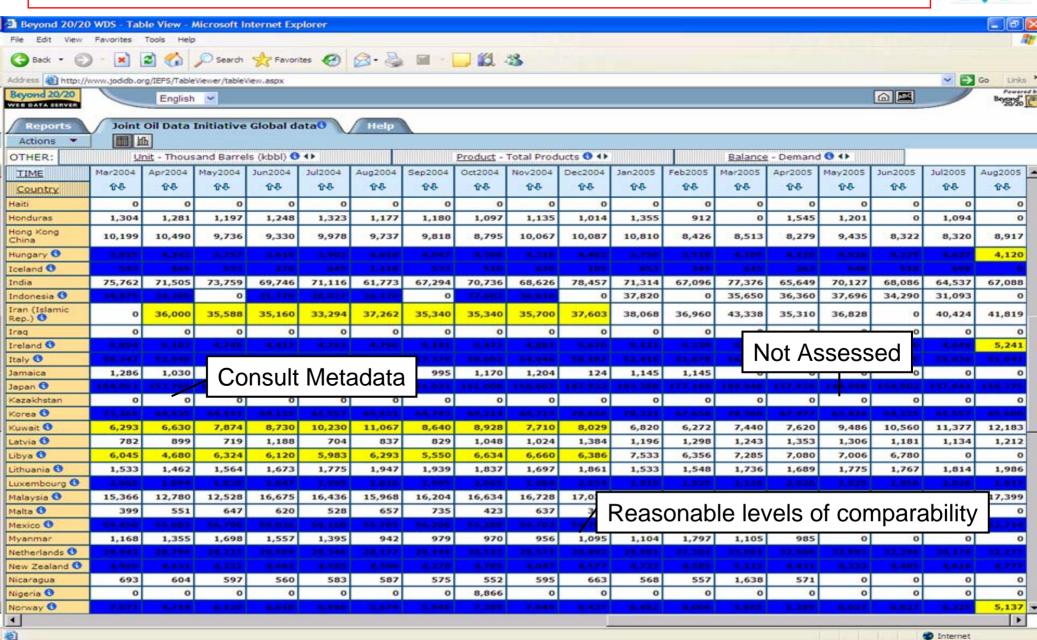






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#### **Future Outlook of JODI**

- Continue to promote JODI
- Continue to improve the quality of JODI World database and its expansion
- JODI training and manual
- 6<sup>th</sup> JODI Conference -Nov06 Riyadh

#### CONCLUSION



- Transparency of oil data is vital for market stability
- Enhanced management of oil data at OPEC
- JODI is fundamental for cooperation between producers and consumers

# **SOPEC**











Stability in the oil market