

Bilateral JODI Training Workshop

18-20 November 2009, South Africa

The Joint Oil Data Initiative

It's history, today and future

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International
Energy Agency



International Energy Forum

olade

Organización Latinoamericana de Energía
Latin American Energy Organization
Organização Latino-Americana de Energia
Organization Latino-Americane D'Energie





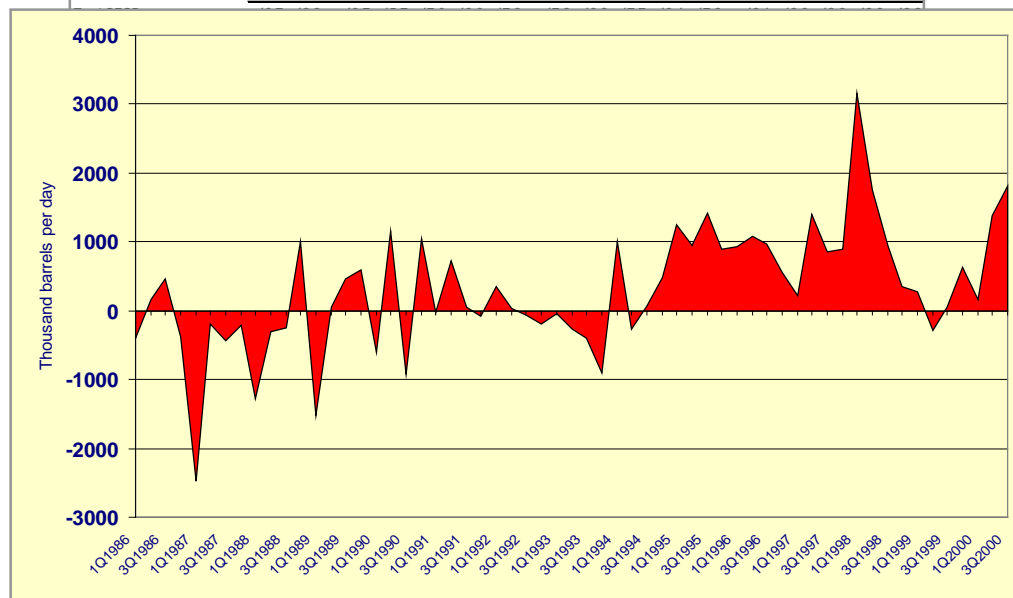
Part one: history

Data show higher Supply than Demand

Is Quality
Deteriorating?

Table 1
WORLD OIL SUPPLY AND DEMAND
(million barrels per day)

	1997	1998	1Q99	2Q99	3Q99	4Q99	1Q00	2Q00	3Q00	4Q00	2000	1Q01	2Q01	3Q01	4Q01	2001
OECD DEMAND																
North America	22.7	23.1	23.6	23.5	24.1	24.3	23.9	23.6	23.7	24.3	24.0	24.3	23.9	24.5	24.7	24.3
Europe	15.0	15.3	15.8	14.4	14.7	15.6	15.1	15.1	14.5	15.0	15.3	15.3	14.6	15.1	15.6	15.2
Pacific	9.0	8.4	9.4	7.9	8.2	9.1	8.6	9.3	8.0	8.3	8.6	9.5	8.1	8.4	9.0	8.7



NGLS	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
Total OPEC	29.9	30.8	30.6	29.1	29.1	29.0	29.4	29.3	30.7	31.3	31.9	30.8				
Total Supply³	74.4	75.5	75.3	73.1	73.6	74.5	74.1	75.2	76.2	77.0	78.3	76.7				
STOCK CHANGES AND MISCELLANEOUS																
Reported OECD																
Industry	0.3	0.2	-0.7	0.4	-0.2	-2.4	-0.7	-0.3	0.9	0.4	-0.1	0.2				
Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				

Miscellaneous to balance 0.9 1.6 0.2 -0.3 0.0 0.5 0.1 0.1 1.4 0.7 1.9 1.0

Total Stock Ch. & Misc	1.3	2.0	-0.5	0.2	-0.4	-2.0	-0.7	-0.2	2.3	1.2	1.9	1.3				
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Memo items:

Call on OPEC crude + Stock ch. ⁵	25.9	26.0	28.3	26.1	26.7	28.2	27.3	26.7	25.4	27.3	27.0	26.6	27.8	25.6	27.2	28.0	27.2
Total Demand ex. FSU	69.3	69.8	72.1	69.6	70.6	72.9	71.3	71.9	70.5	72.4	72.7	71.9	73.7	71.6	73.3	74.7	73.3
Total demand ex. FSU (% ch) ⁶	3.1	0.7	3.7	1.8	1.5	1.7	2.2	-0.3	1.2	2.6	-0.2	0.8	2.5	1.6	1.2	2.7	2.0

¹ measured as deliveries from refineries and primary stocks, comprises inland deliveries, international marine bunkers and refinery fuel and includes crude for direct burning, oil from non-conventional sources and other sources of supply

² net of volumetric gains and losses in the refining process (excludes net gain/loss in former USSR, China and non-OECD Europe) and marine transportation losses

³ comprises crude oil, condensates, NGLs, oil from non-conventional sources and other sources of supply

⁴ includes changes in non-reported stocks in OECD and non-OECD areas

⁵ equals total demand minus total non-OPEC supply minus OPEC NGLs and thus includes "Miscellaneous to balance" for historical time periods

⁶ year on year % growth in global oil demand excluding FSU



A Short Background on JODI

Technical

Heads of Statistics
in Paris

- There are many problems with definitions, units, methodology
- Organisation can solve some of the problems
- Involvement of countries is essential

Political

Ministers at the
7th IEF

Paris
13-14 Nov. 2000

Riyadh
17-19 Nov. 2000

Bangkok
2-3 April 2001

“Co-operation among relevant international organisations, as well as the participating countries, in improving and timely accessing to energy data is important for market assessment and transparency.”

Decision taken to
launch a 6-month
exercise

What is the JODI Questionnaire?

A Simple Format (42 data points)

Country: _____

Month: _____

Unit: _____

		Crude Oil	Petroleum Products					
			LPG	Gasoline	Kerosene	Gas/Diesel Oil	Fuel Oil	Total Oil
Month -1 and Month -2								
Imports			Choice of units left to organisations					
Exports								
Stocks	Closing							
	Change							
Refinery Intake								

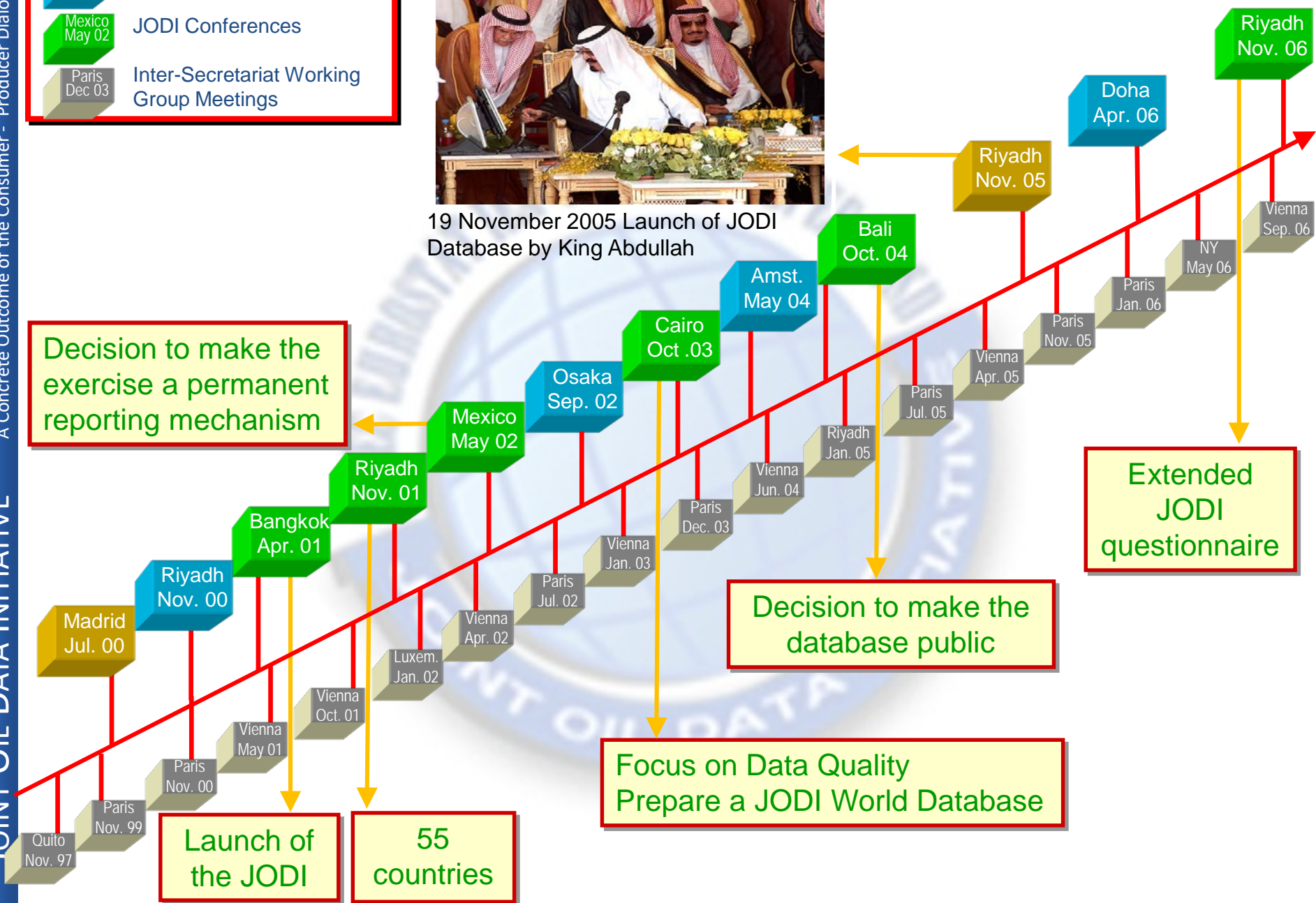
Month -1 and Month -2

Choice of units left to organisations

Simple Definitions



19 November 2005 Launch of JODI Database by King Abdullah



Data Collection System

Participating Countries

Member countries submit data to their organization

Partner organizations

Data are checked and processed

IEF

Data released on the JODI website

JODI Questionnaire

Country: _____

Month: _____

Unit: _____

	Crude Oil	Petroleum Products					
		LPG	Gasoline	Kerosene	Gas/Diesel Oil	Fuel Oil	Total Oil
Production		Refinery Output					
Imports		Imports					
Exports		Exports					
Stocks	Closing Change	Stocks	Closing Change				
Refinery Intake		Demand					



Reported JODI Data - Table View - Microsoft Internet Explorer

Address: http://iefs.cerri.com/jodi/tables/viewtable.asp

Reported JODI Data

Language: English

Reports

OTHER: Unit: Thousand Barrels (kbb) Product: Total Products Balance: Demand

TIME	July 2004	Aug 2004	Sep 2004	Oct 2004	Nov 2004	Dec 2004	Jan 2005	Feb 2005	Mar 2005	Apr 2005	May 2005	Jun 2005	Jul 2005	Aug 2005
Country														
Hong Kong (China)	9,978	5,737	9,818	8,793	18,087	18,887	18,810	8,426	8,313	8,279	9,433	8,322	8,328	8,912
India	645	1,118	533	510	650	185	653	345	615	263	548	518	498	0
Indonesia	71,116	61,722	67,294	70,736	68,826	78,457	71,314	67,096	72,376	65,849	70,127	68,088	64,537	67,888
Iran (Islamic Rep.)	38,837	34,278	0	37,693	36,810	0	37,820	0	35,650	36,340	37,496	34,290	31,993	0
Iraq	35,294	31,262	35,348	35,340	35,780	37,483	38,068	36,966	43,330	35,310	36,828	0	40,424	41,819
Italy	39,713	32,889	37,379	38,682	34,866	38,187	32,416	31,878	36,386	32,813	31,736	32,705	33,826	31,841
Japan	1,188	1,123	995	1,170	1,204	124	1,145	1,143	0	0	0	0	0	0
Kenya	160,492	166,380	151,823	161,088	158,687	187,922	183,288	177,169	189,948	152,929	144,939	154,882	137,841	158,375
Kuwait	61,257	65,431	64,740	69,214	69,213	78,456	78,222	67,656	78,340	67,477	63,616	64,133	61,337	63,680
Latvia	10,230	11,067	8,640	9,920	7,710	9,020	6,272	2,440	2,620	9,486	10,540	11,377	12,183	12,183
Libya	704	827	829	1,040	1,024	1,196	1,298	1,243	1,353	1,386	1,181	1,124	1,212	1,212
Lithuania	5,983	6,293	5,510	6,634	6,468	6,384	2,833	6,354	2,885	2,880	2,886	6,780	0	0
Malaysia	1,775	1,947	1,939	1,837	1,697	1,861	1,533	1,548	1,736	1,689	1,775	1,787	1,814	1,986

JODI and Extended JODI

		Crude Oil	Petroleum Products						
			LPG	Gasoline	Kerosene	Gas/Diesel Oil	Fuel Oil	Total Oil	
Production									Refinery Output
Imports									Imports
Exports									Exports
Stocks	Closing								Stocks
	Change								Change
Refinery Intake									Demand

NGL
Naphtha
Product transfers
Statistical Difference

Country _____

Month _____

Unit : _____

		Crude Oil	NGL	Other	Total		Petroleum Products							
							LPG	Naphtha	Gasoline	Jet Kerosene	Kerosene	Gas/ Diesel Oil	Fuel Oil	Other Products
Production						Refinery Output								
From Other sources						Receipts								
Imports						Imports								
Exports						Exports								
Product Transfers/Backflows						Products Transfers								
Direct Use						Inter Products Transfers								
Stocks	Closing					Stocks								
	Change					Change								
Statistical Difference						Statistical Difference								
Refinery Intake						Demand								

Other = Refinery Feedstocks+ Additives + Other Hydrocarbons

Receipts = Primary Product Receipts + Recycled Products

Other Products= Refinery gas + Ethane + Petroleum Coke + Lubricants + White Spirit + Bitumen + Paraffin Waxes + Other Petroleum Products

Total = 128 cells or 86 new cells

= New Cells'



Part two: actions and progresses toward tree smiley faces

Established JODI Training Programme

Objective

Promote JODI, share experience on data validation, best practices on data collection issues and improve the quality of oil data reported in JODI

Targeted participants

- *Officials in charge of oil statistics*
- *Representatives from oil industry*

JODI Training Workshops

- **Level: Region.**
- **Number of participants: 30-40**

Past Workshops:

Caucasus, Venezuela (August 2006)
Johannesburg, S. Africa (January 2007)
Alger, Alegria (October 2007),
Bangkok, Thailand (September 2008)
Ankara, Turkey (November 2009)

JODI Internships

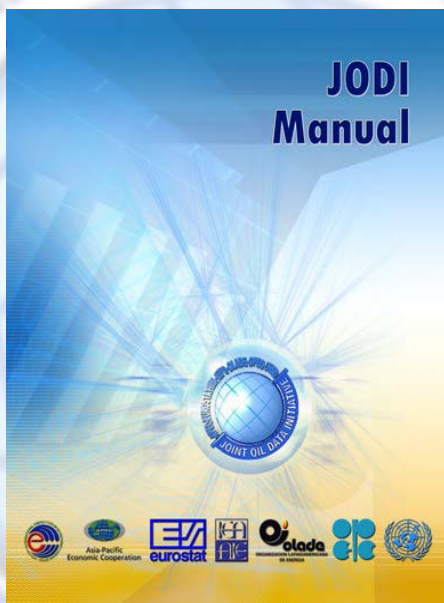
- **Level: Country.**
- **Number of participants: 2-4**

Past Internships:

India,
Vietnam,
Azerbaijan,
Myanmar

Broader dissemination of JODI Manual

Russian



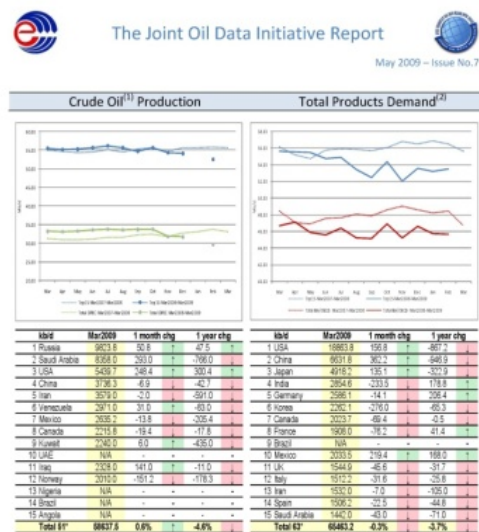
Chinese

English

Spanish

Promotion of JODI - 1

- Monthly Data Report
- Regular JODI Newsletters
- JODI section for the IEF Newsletter



* Number of countries that reported complete data set.

(1) Crude oil includes lease condensate.

(2) Total products demand includes direct use of crude oil.

(3) Total oil stock changes refer to crude oil and petroleum products stock changes further information on flow/product definitions available on the Joint Oil Data Initiative (JODI) website. Ranking based on available JODI data and therefore (Top 15) varies from one product/flow to another.

Detailed information: Data for Ecuador are missing for 2007. Russia does not report complete data set for LPG, Kerosene and total petroleum products. Singapore reports only trade data.



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 p7 Smiley faces (table)

With steady progress in its performance, attention to JODI remains very high. JODI has received renewed political support at the G8 Energy Ministers Meeting, Rome, 24-25 May 2009 and at the 3rd Asian Ministerial Energy Roundtable, Tokyo, 26 April 2009. In both occasions, Ministers reaffirmed their continuous support to the Initiative (See more in page 4).

At the 4th Extractive Industries Transparency Initiative Global Conference (Doha, Qatar, 17 February, 2009), Takatoshi Kato, IMF Deputy Managing Director, mentioned JODI as a model for "international transparency initiatives". In his statement, Kato insisted that "volatility can be reduced through transparency" and JODI "can be of enormous help in reducing noise in oil markets by ensuring the supply of more and better information on the global supply and demand of petroleum products".

The Oil Market Report of the International Energy Agency (10 April 2009) confirmed improvements in JODI data quality and announced incorporation of JODI data into its analysis. The Middle East Economic Survey also uses the JODI data frequently in its articles. JODI contributes to these well established publications as a data source to be compared among others to better assess oil market situation.

Training workshop for the Caspian Region and Central European Countries in November 2009

The initiative's efforts for greater market transparency are increasingly recognized by professionals who are working at the frontline of the market. JODI is also becoming a role model for data transparency exercises around the world. There are plans to extend JODI to other products which will be discussed during the 7th International JODI Conference. The 5th regional JODI Training Workshop, planned to take place in Turkey in November 2009, will seek further improvements of JODI performance from participating countries in Central European countries and the Caspian region.

JODI: Performance of Countries Improving in 2008

The strong support of IEF Ministers to the Joint Oil Data Initiative (JODI) as a tool to help stabilize oil markets and reduce oil price volatility has been expressed again at the 3rd Asian Ministerial Energy Roundtable on 26 April 2009 (Tokyo, Japan). The participants welcomed the important progress made so far in JODI and encouraged JODI partner organizations and their member countries to make further improvements to provide more complete and timely energy data, including stock data, and the inclusion of gas-related data.

This roundtable meeting was also an opportunity for IEF Secretary General, Nee van Ildt, to hand the newly published Chinese version of the JODI manual to Mr. Liu Li, vice-Minister of National Energy Administration, People's Republic of China, translating the JODI manual into languages other than English is part of the IEF Secretariat's efforts to spread knowledge widely on oil data collection and dissemination. Along with this new Chinese version, Russian and Spanish versions are now available.

With continuous political support from Energy Ministers around the world, JODI has been improving its performance. The December 2008 data update indicates that a record number of 71 countries submitted their most up-to-date data to JODI despite the added pressure of deadlines being tightened by two days. Since the record was set, an average of 68 countries have maintained up-to-date data reporting, compared with 55 countries during the same period in the previous year.

JODI Participation assessment summary

Global participation of 97 countries

	Number of smiles faces		Improvement
	2008	2007	
Submission	82	66	24.2%
Timeliness	54	52	3.8%
Completeness	64	56	14.3%

Source: Joint Oil Data Initiative

The 7th International JODI Conference

The 7th International JODI Conference hosted by OLADE on 4-5 June 2009 in Quito, Ecuador, will assess progress made since the 6th International JODI Conference that took place in November 2006 in Riyadh, Saudi Arabia and discuss future development of this unique global transparency initiative. The Conference will review the results of the second round of JODI data quality assessment, comment on the findings of the JODI data user survey, discuss JODI extension to cover natural gas data as well as the future status of the extended JODI questionnaire the aim of which is to further enhance oil market transparency.

The initiative's latest participation assessment on data submission, timeliness and completeness in the three evaluation categories, "Good", "Fair" and "Poor", shows concrete improvements. In this assessment, 82 countries for data submission, 54 countries for timeliness and 64 countries for completeness obtained a "Good" evaluation. These are improvements of 24%, 4% and 14% respectively compared with the same period in the last year.

Nevertheless, the IEI noticed that further efforts must be made both by countries currently obtaining good evaluations and countries on the way to achieving them. While steady improvements are observed from countries that did not show their best performance in the past, countries that used to perform well, occasionally become unable to report their latest data. Maintaining the participating countries' performance is becoming a new challenge for the IEI and the JODI partner organizations. The IEI Secretariat has called for full data transparency (three "smiley faces") of all participating countries by the end of 2009.

More than three years since the first JODI data quality assessment prior to the release of JODI data to the public in 2005, the IEI and the JODI partner organizations invited an external consultant, IDC Market Services, to assess JODI data quality. While the first data assessment had as an objective the evaluation of JODI data quality for the top 30 countries, the second assessment will provide for a complete and independent appraisal of data quality in terms of credibility and comparability. Assessment will cover all flows and all countries for the time period, starting in January 2006. The outcome will be presented at the forthcoming 7th International JODI Conference 4-5 June 2009 in Quito, Ecuador.

Against the backdrop of the trend towards globalization in the gas market, IEI Ministers invited the IEI and its JODI partner organizations to assess the extension of the initiative to cover natural gas data. The issue was also discussed during the first IEI-IEI Ministerial Gas Forum in November 2008, where Ministers and industry leaders noted that improving transparency on gas market information, such as prices and flows, will contribute to the reduction of uncertainties, improve predictability and project planning as well as lead to better allocation of gas resources across the globe. The IEI Secretariat is presently conducting a feasibility study on such an extension and will report on progress to the 12th IEI Ministerial in Mexico, in 2010.

Following the call from JODI Ministers at the ad hoc meeting in Jeddah (June 2008) and London (December 2008) for the expansion of JODI to include, among other things, upstream and downstream capacities and expansion plans, the IEI Secretariat is working on pilot data sampling. IEI Energy Ministers will soon be requested to provide the necessary data and contribute to more sound planning with the aim of reducing potential future supply and demand imbalances.

www.jodidata.org

98 Participating Countries/Economies in JODI






Algeria	Ecuador	Japan	Portugal
Angola	Egypt	Kazakhstan	Qatar
Argentina	El Salvador	Korea	Romania
Australia	Estonia	Kuwait	Russia
Austria	Finland	Latvia	Saudi Arabia
Azerbaijan	France	Libya	Singapore
Bahrain	Gabon	Lithuania	Slovak Republic
Barbados	Germany	Luxembourg	Slovenia
Belgium	Greece	Malaysia	South Africa
Bolivia	Grenada	Malta	Spain
Brazil	Guatemala	Mexico	Suriname
Brunei Darussalam	Guyana	Myanmar	Sweden
Bulgaria	Haiti	Netherlands	Switzerland
Canada	Honduras	New Zealand	Syria
Chile	Hong Kong, China	Nicaragua	Thailand
China	Hungary	Nigeria	Trinidad & Tobago
Chinese Taipei	Iceland	Norway	Tunisia
Colombia	India	Oman	Turkey
Costa Rica	Indonesia	Panama	United Arab Emirates
Croatia	Iran	Papua New Guinea	United Kingdom
Cuba	Iraq	Paraguay	United States
Cyprus	Ireland	Peru	Uruguay
Czech Republic	Italy	Philippines	Venezuela
Denmark	Jamaica	Poland	Vietnam
Dominican Republic			Yemen

JODI in progress

**Global
Participation of
98 countries**

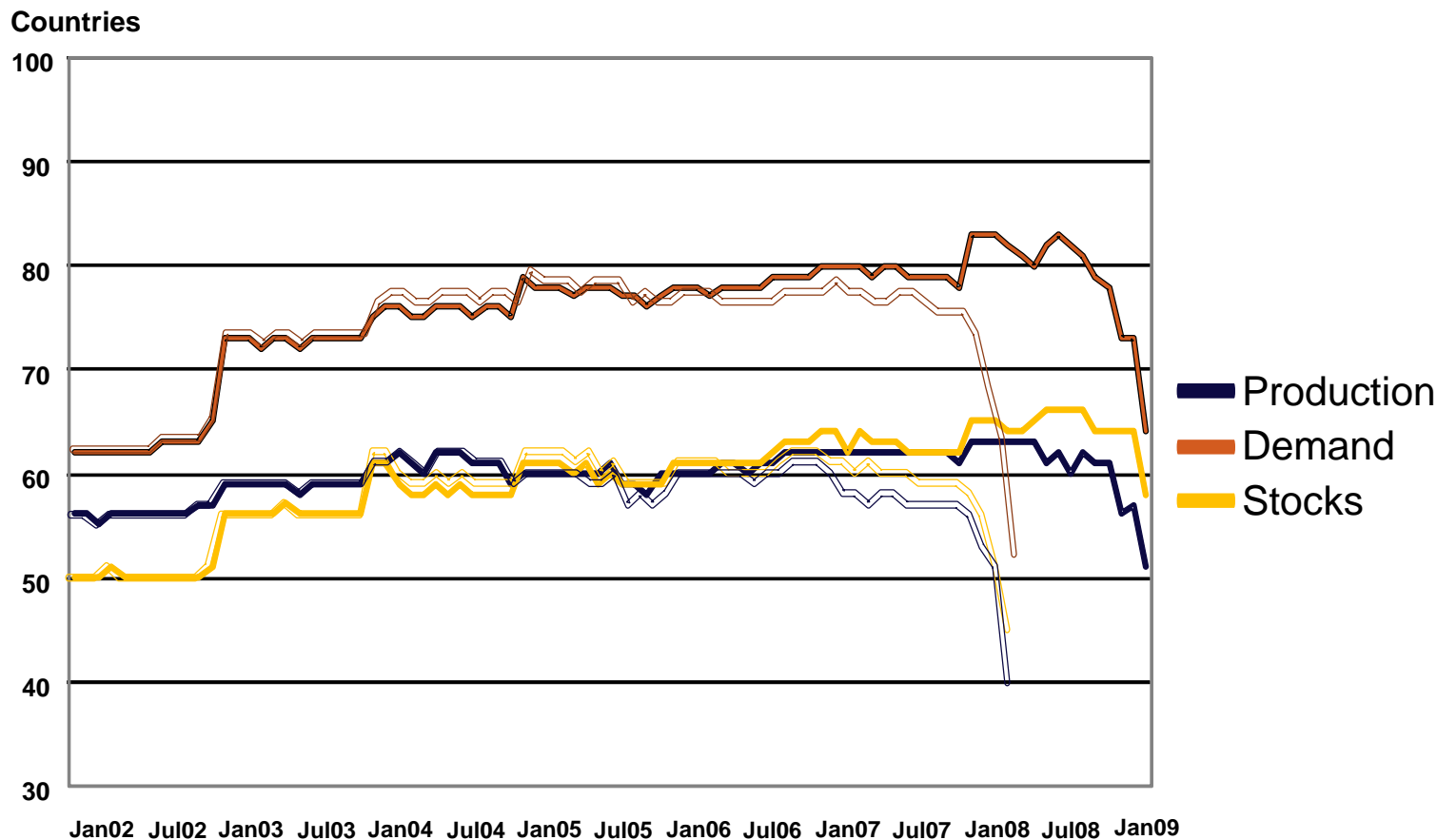
Number of Smiley Faces



		2009 Jan-Jun	2008 Jan-Jun	Improvement (%) 2009 Jan-Jun/2008 Jan-Jun
Submission		83	75	10.7%
Timeliness		59	53	11.3%
Completeness		68	60	13.3%

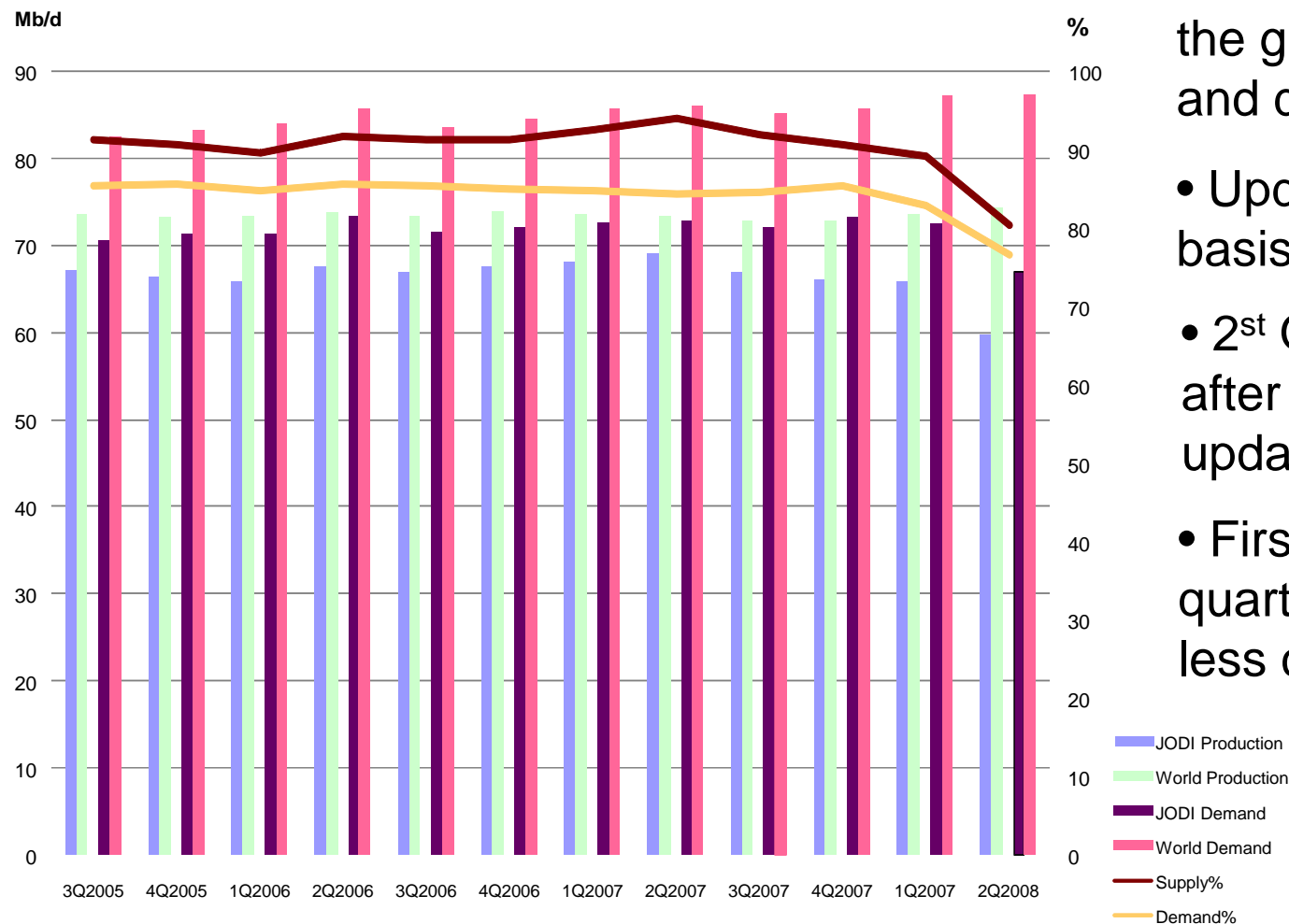
Source: Joint Oil Data Initiative

Completeness of questionnaire



- Latest month data are always less complete
- Compare to last year, visible progress in all production, Demand, and Stock

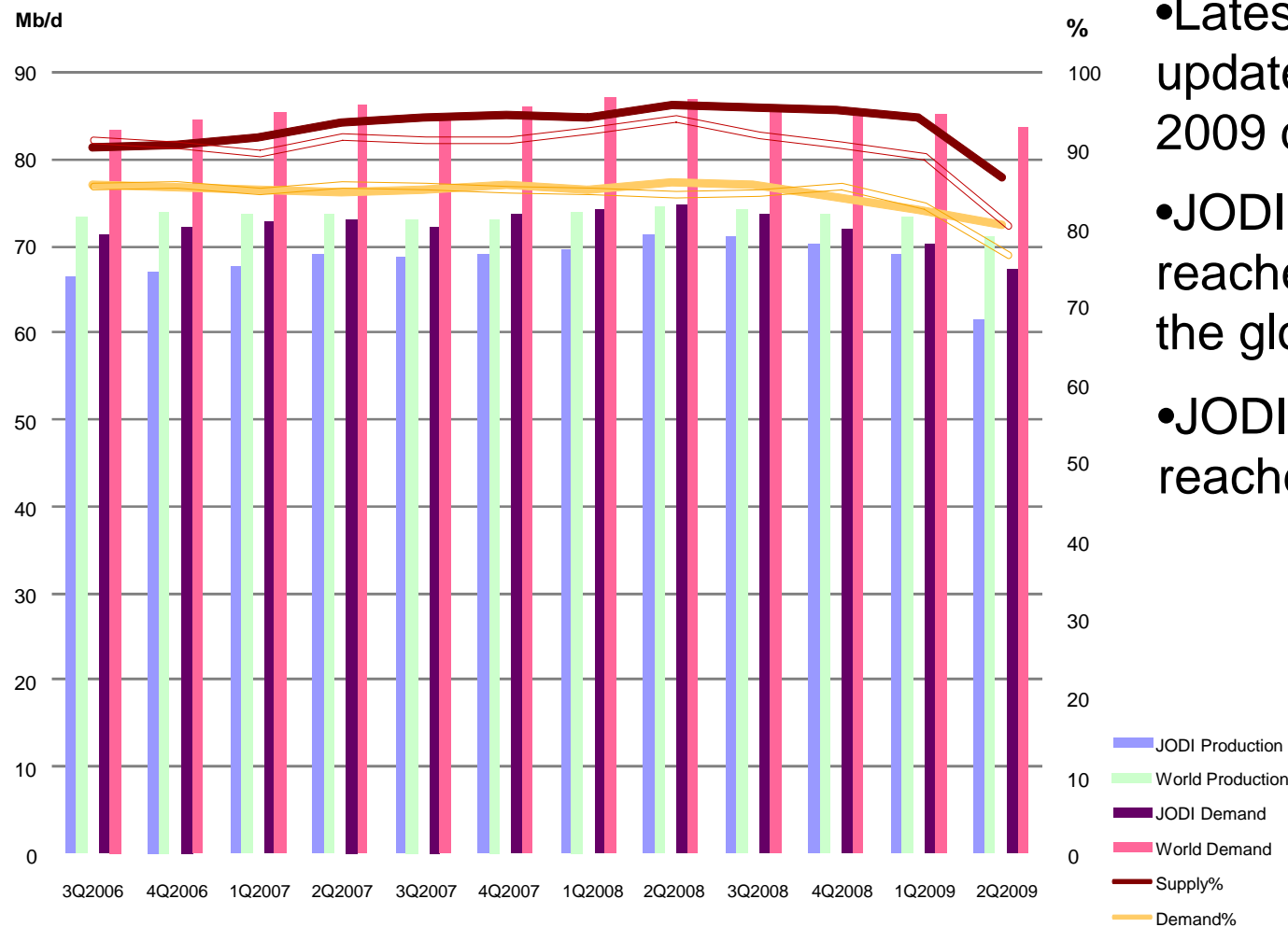
Global data coverage 2st Q 2008



Source: JODI WD, IEA, OPEC, Energy Intelligence

- JODI Data against the global production and demand data
- Update on quarterly basis
- 2st Q 2008 situation after June 2008 data update
- First month of each quarterly update is less complete

Global data coverage 2st Q 2009



Source: JODI WD, IEA, OPEC, Energy Intelligence

- Latest 2st Q 2009 update after June 2009 data update
- JODI production reached nearly 90% of the global production
- JODI demand also reached beyond 80%



Part three: 7th JODI Conference

Attendance – 7th JODI conference

The conference gathered —

- some 90 participants
- from 27 countries
- 8 International organizations
- 12 oil companies, representatives from financial as well as research institutions



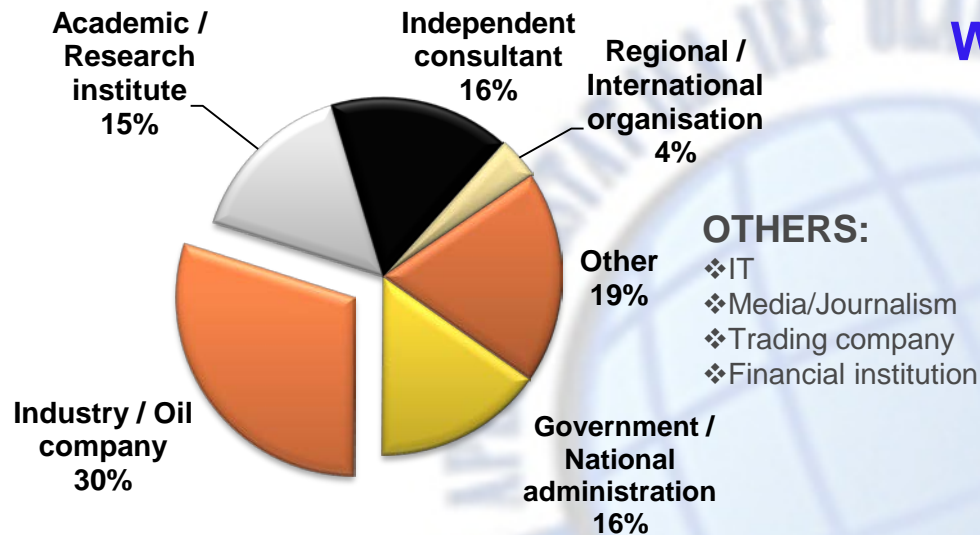
Bilateral JODI Training Workshop, 10-11 December 2009, South Africa

Objectives

- Progress since 6th JODI Conference
 - Activities
 - Database
 - User survey
- Feedback from participants
 - JODI users in the driving seat
 - JODI is already useful
 - It can be refined further
- Decisions on further actions
 - Extended JODI Questionnaire
 - Extension of the Initiative to Natural Gas
 - Collection of annual data
- Media outreach

User profile

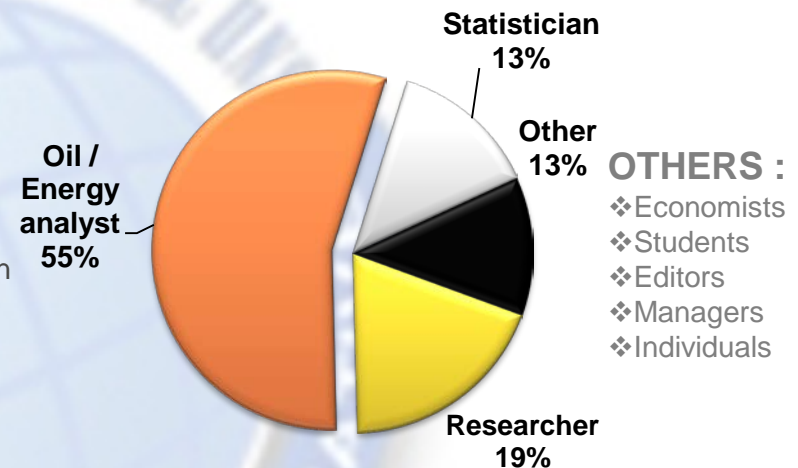
Which is your sector of activity?



Survey Comparison

	This Survey	Last Survey	Change
Government / Administration	15%	34%	↓
Industry / Oil company	30%	18%	↑
Academic / Research institute	15%		
Independent consultant	16%	23%	↑
Regional / Intl organization	4%		
Other	19%	35%	↓

What is your occupation?



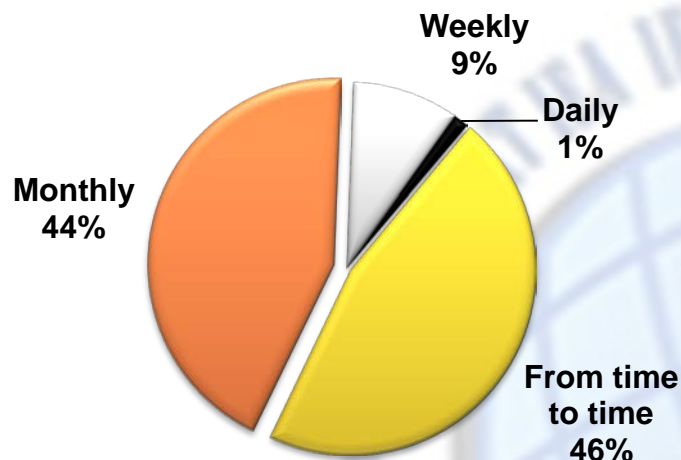
Survey Comparison

	This Survey	Last Survey	Change
Researcher	19%	17%	↑
Oil / Energy analyst	55%	24%	↑
Statistician	13%	26%	↓
Other	13%	33%	↓

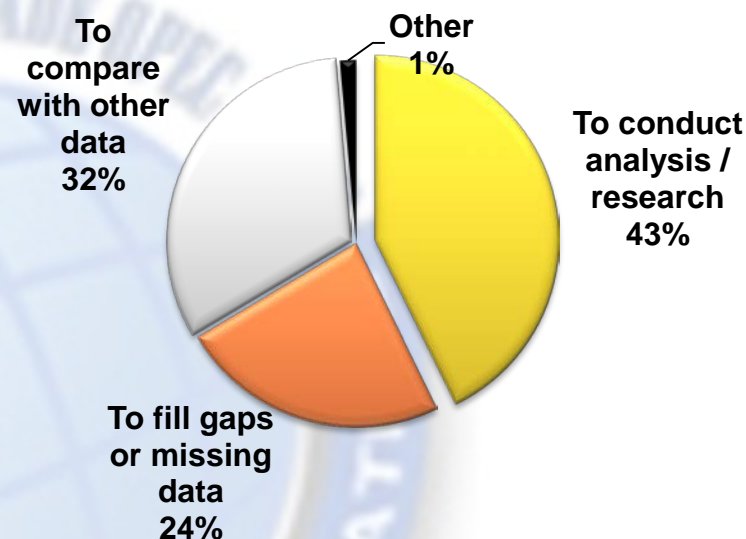
➡ **More users come from oil industry and research institutions, the majority are energy analysts.**

Use of JODI Data

How often do you access the JODI World Database?



What use do you make of JODI data?



Survey Comparison

	This Survey	Last Survey	Change
From time to time	46%	77%	↓
Monthly	44%	21%	↑
Weekly	9%	1%	↑
Daily	1%	1%	

Survey Comparison

	This Survey	Last Survey	Change
To conduct analysis / research	43%	55%	
To fill gaps or missing data	24%	14%	↑
To compare with other data	32%	31%	↑
Other	1%	0	

➡ JODI data is becoming more useful to fill data gaps. Users search more information in all categories, esp. data of foreign countries.

Feedback from participants

- JODI users in the driving seat
 - Voice from the user survey and the floor discussions
- JODI is already useful
 - Database for “Grown-ups”
 - Open to Non-OECD countries data
 - Key data source for demand growth
- It can be refined further
 - Trial period over last two years proves that the extension is feasible

Key suggestions from participants

- **Timeliness**
 - M-1 = M-1-18 days?
 - More frequent update
- **0 = “..” or “-”**
 - Modification in current reporting system
- **Metadata**
 - Definition differences among organisations
- **More active promotion of the database?**



Part four: JODIdata.org, JODI World Database

JODIdata.org



What's new
Latest development at
glance

Resources
Manuals, periodicals,
guidelines, papers...

What is JODI WD?

Clear guidance to data
users

Database Structure

5 Dimensions:

- Flows: Production, trade, 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 (Sep 2009).
- Countries: All participating countries. Currently, data for nearly 100 countries in the table.

JODIdata.org – JODIdb.org



Beyond 20/20 WDS - Table view - Joint Oil Data Initiative (all data) - Windows Internet Explorer

http://www.jodidb.org/WDS/TableViewer/tableView.aspx?ReportId=4

Reports Table Chart

Joint Oil Data Initiative (all data)

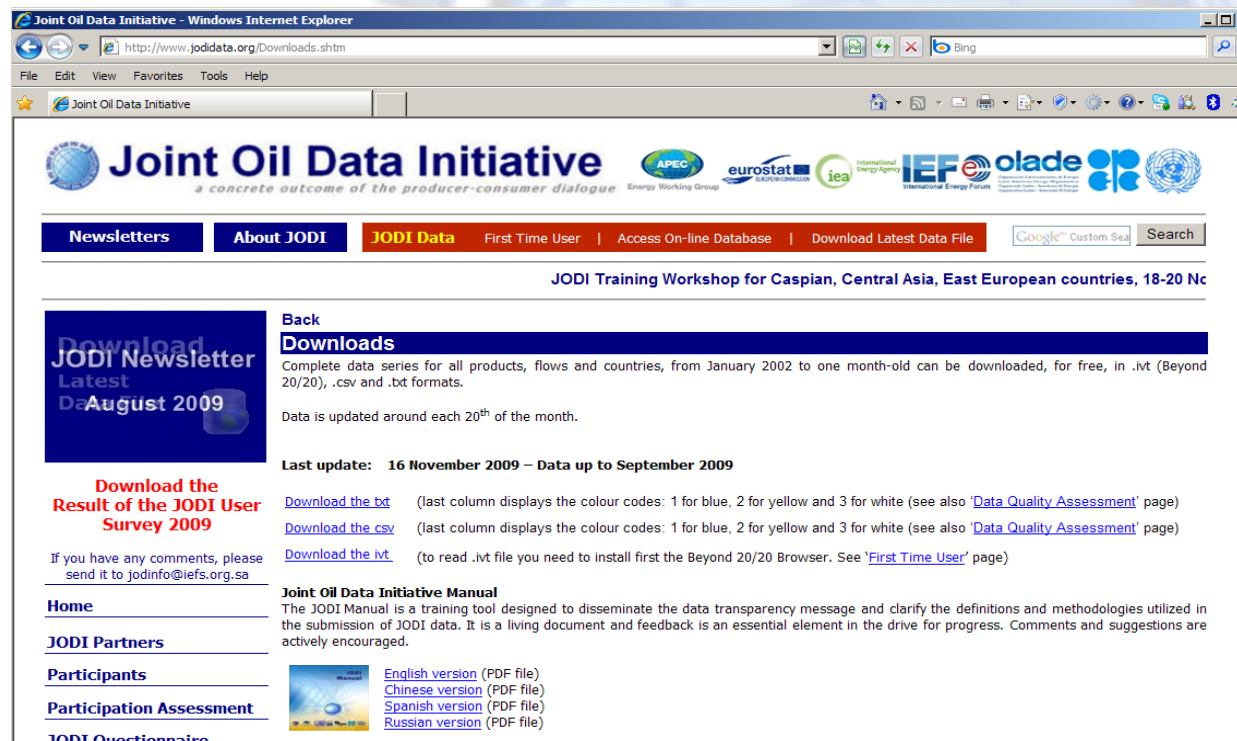
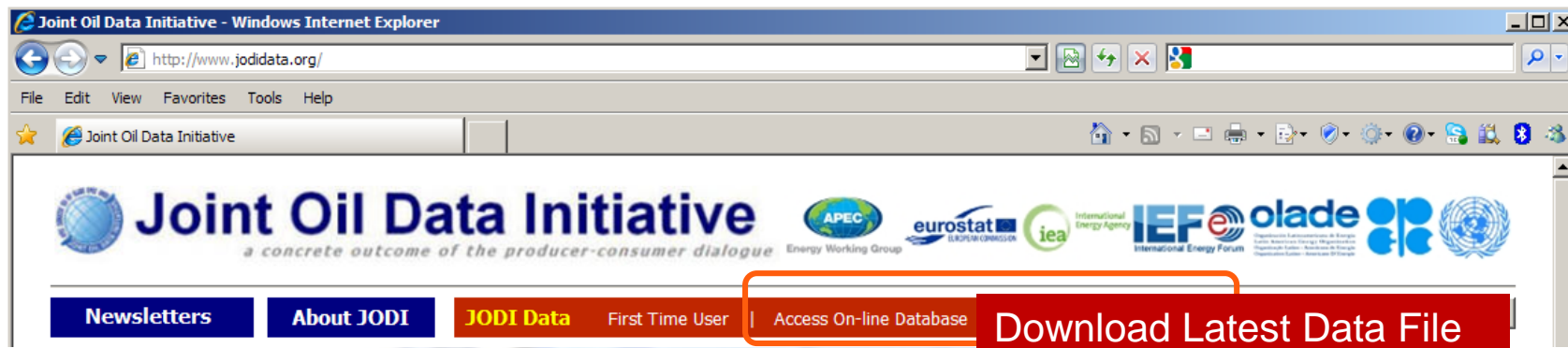
Other: Unit - Thousand Barrels per day (kb/d) Product - Crude Oil Balance - Production/Refinery output

TIME	Mar2008	Apr2008	May2008	Jun2008	Jul2008	Aug2008	Sep2008	Oct2008	Nov2008	Dec2008	Jan2009	Feb2009	Mar2009	Apr2009	May2009
Country															
Algeria	1,370	1,360	1,370	1,370	1,360	1,360	1,360	1,391	1,310	1,273	1,293	1,222	1,192	1,197	1,219
Angola	1,861	1,932	1,944	1,965	1,948	1,926	1,788	1,861	1,811	1,934	0	1,662	0	1,660	1,681
Argentina	642	639	520	602	634	648	649	647	649	628	618	634	631	628	623
Australia	408	451	445	441	454	458	471	500	504	499	472	477	466	472	392
Austria	16	16	16	16	16	16	17	18	18	17	16	18	16	16	16
Azerbaijan	971	993	1,002	1,048	1,082	664	818	692	774	845	863	933	1,002	1,059	1,076
Bahrain	271	264	272	266	263	27	34	31	32	32	33	229	35	33	33
Barbados	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bolivia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	1,753	1,800	1,816	1,831	1,827	1,845	1,864	1,840	1,814	1,746	1,897	1,915	1,951	0	0
Brunei Darussalam	169	145	150	142	146	161	148	165	159	161	159	155	157	139	139
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Canada	2,235	2,147	2,132	2,114	2,214	2,215	2,178	2,178	2,264	2,205	2,184	2,255	2,173	2,199	2,158
Chile	3	3	3	3	3	2	3	3	0	0	0	0	0	0	0
China	3,779	3,761	3,821	3,895	3,818	3,784	3,798	3,861	3,870	3,709	3,766	3,743	3,736	3,805	3,786
Chinese Taipei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colombia	550	552	579	581	587	601	612	623	624	594	617	646	643	0	0
Costa Rica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Complete time series, from January 2002, available when download .wrl, .csv and/or .txt files (see 'Downloads' page of the JODI website) Last update: 25 July 2009 - D

- No requirement for special software
- Suitable for quick ad-hoc data browsing

JODIdata.org – data download



Download in three formats

- world.txt
- world.csv
- world.ivt

Smooth database use for long time series back to Jan. 2002

Bilateral JODI Training Workshop, 10-11 December 2009, South Africa

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Country

Unit: Thousand Barrels per day (kb/d) Product: Crude Oil Balance: Production/Refinery output

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002	Sep2002	Oct2002	Nov2002
Country											
Algeria	699	699	699	699	702	699	702	704	755	805	
Angola	0	0	0	0	0	0	0	0	0	0	
Argentina	768	758	765	765	755	753	762	748	753	740	
Australia	619	637	610	612	579	639	637	642	613	567	
Austria	17	18	18	19	18	19	18	18	18	18	
Azerbaijan	289	30						315	315	305	
Bahrain	0							0	0	0	
Barbados	1							1	1	1	
Belgium	0							0	0	0	
Bolivia	32	3						31	32	28	
Brazil	1,446	1,439	1,461	1,474	1,486	1,506	1,457	1,509	1,489	1,482	1,4
Brunei Darussalam	222								199	206	
Bulgaria	0							0	0	0	
Canada	1,692								1,723	1,839	1,8
Chile								6	6	6	
China	3,374							3,440	3,456	3,3	
Chinese Taipei	1							1	1		
Colombia	591							585	573		
Costa Rica	0							0	0		
Croatia	0							0	0		
Cuba	65							81	84		
Cyprus	0							0	0		
Czech Republic	4							6	6		
Denmark	388							351	386		
Dominican Republic	0							0	0		
Ecuador	0							0	0		
Egypt (Arab Rep.)	694							701	682		
El Salvador	0							0	0		
Estonia	0							0	0		
Finland	0							0	0		
France	27							26	26		
Gabon	0							0	0		
Germany	66							67	69		
Greece	3							3	3		
Grenada	0							0	0		
Guatemala	24							27	25		
Guyana	0							0	0		
Haiti	0	0	0	0	0	0	0	0	0	0	
Honduras	0	0	0	0	0	0	0	0	0	0	
Hong Kong China	0	0	0	0							
Hungary	27	25	27								
Iceland	0	0	0								
India	668	644	674	650	676	677	684	676	672	675	

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

Joint Oil Data Initiative (all data) (Read-only):2

Item Code: ALGERIA
Default Label: Algeria

Notes:

General Information
Data are submitted by Algeria to OPEC in tons.

Crude Production
After January 2004, data are internally consistent. Until September 2003 and for the period January-April 2004, significant differences exist when comparing the data with those reported by a range of secondary sources.

Oil Demand
After January 2004, data are complete. Prior to January 2004 data may exclude certain petroleum products or components such as international bunkers or refinery fuel.

Stocks Close and Change
After December 2004, data are complete and internally consistent. Data are not complete until December 2004.

Refinery Intake
Data are internally consistent.

Refinery Output

Some key features of Beyond 20/20

For Help, press F1

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Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Country

Unit: Thousand Barrels (kbbl) Product: Crude Oil Balance: Production/Refinery output

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Country								
Algeria	21,669	19,572	21,669	20,970	21,762	20,970	21,762	
Angola	0	0	0	0	0	0	0	

You can move dimensions

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Balance

Unit: Thousand Barrels (kbbl) Product: Crude Oil Balance: Production/Refinery output

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Country								
Algeria	21,669	19,572	21,669	20,970	21,762	20,970	21,762	
Angola	0	0	0	0	0	0	0	
Argentina	23,819	21,218	23,715	22,964	23,420	22,603	23,610	
Australia	19,195	17,824	18,899	18,369	17,964	19,156	19,748	

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Balance

Unit: Thousand Barrels (kbbl) Product: Crude Oil Country: Algeria

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Balance								
Production/Refinery output	21,669	19,572	21,669	20,970	21,762	20,970	21,762	
Refinery intake/Demand	11,315	11,312	11,315	8,460	9,455	6,480	8,525	
Imports	0	0	0	0	186	180	186	
Exports	11,284	11,284	11,284	12,570	13,175	14,640	13,454	
Closing stocks	0	0	0	0	0	0	0	
Stock change	-30							

Some key features of Beyond 20/20

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Country

Unit: Thousand Barrels (kbbl) Product: Crude Oil Balance: Production/Refinery output

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Country								
Algeria	21,669	19,572	21,669	20,970	21,762	20,970	21,762	

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools

Product

Unit: Thousand Barrels (kbbl) Product: Crude Oil Balance: Closing stocks

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Country								
Algeria	0	0	0	0	0	0	0	
Angola	0	0	0	0	0	0	0	

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help

Product

Unit: Thousand Barrels (kbbl) Balance: Closing stocks

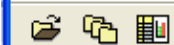
TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002
Country					
Argentina	Crude Oil	3,084	2,175	2,819	3,331
	Liquefied Petroleum Gases	534	2,128	438	433
	Motor Gasoline (incl. aviation gasoline)	1,477	1,138	1,300	1,414
	Kerosene (incl. jetkero/other kero)	415	310	518	323
	Gas/Diesel Oil	2,022	1,424	1,556	1,787
	Residual Fuel Oil	568	429	623	1,181
	Total Products	12,525	12,714	11,681	12,918
Australia	Crude Oil	12,028	15,963	14,320	13,259
	Liquefied Petroleum Gases	1,821	1,508	1,183	1,241
	Motor Gasoline (incl. aviation gasoline)				
	Kerosene (incl. jetkero/other kero)				
	Gas/Diesel Oil				
	Residual Fuel Oil	1,578	2,018	1,685	1,725

You can merge dimensions

Some key features of Beyond 20/20

Beyond 20/20 Visual Builder - [Joint Oil Data Initiative (all data) (Read-only)]

File Edit View Dimension Item Data Source Tools Window Help



Country



Built-in graph function

Unit: Thousand Barrels (kbbbl) Product: Crude Oil Production/Refinery output

TIME	Jan2002	Feb2002	Mar2002	Apr2002	May2002	Jun2002	Jul2002	Aug2002
Country								
Algeria	21,669	19,572	21,669	20,970	21,762	20,970	21,762	
Angola	0	0	0	0	0	0	0	
Argentina	23,819	21,218	23,715	22,964	23,420	22,603	23,610	
Australia	19,195	17,824	18,899	18,369	17,964	19,156	19,748	
Austria	535	507	563	578	570	578	570	
Azerbaijan	8,969	8,638	9,235	8,652	9,603	9,478	9,478	
Bahrain	0	0	0	0	0	0	0	
Barbados	35	32	36	33	32	32	33	
Belgium	0	0	0	0	0	0	0	
Bolivia	978	858	948	908	927	889	925	
Brazil	44,825	40,299	45,289	44,221	46,067	45,190	45,177	
Brunei Darussalam	6,892	5,909	6,430	5,821	6,158	6,283	6,496	
Bulgaria	0	0	0	0	0	0	0	
Canada	52,443	49,506	55,473	54,661	55,746	53,986	56,514	
Chile	213	183	198	191	198	175	175	
China	104,603	93,484	104,112	100,247	104,691	108,387	105,598	1
Chinese Taipei	29	22	29	29	22	15	22	
Colombia	18,321	17,327	18,506	17,712	18,121	17,205	16,765	
Costa Rica	0	0	0	0	0	0	0	
Croatia	0	0	0	0	0	0	0	
Cuba	2,022	1,873	1,939	1,935	2,001	2,115	2,317	
Cyprus	0	0	0	0	0	0	0	
Czech Republic	132	125	147	132	154	161	183	
Denmark	12,040	10,782	11,366	11,544	11,655	10,589	11,596	
Dominican Republic	0	0	0	0	0	0	0	
Ecuador	0	0	0	0	0	0	0	
Egypt (Arab Rep.)	21,511	20,						
El Salvador	0							

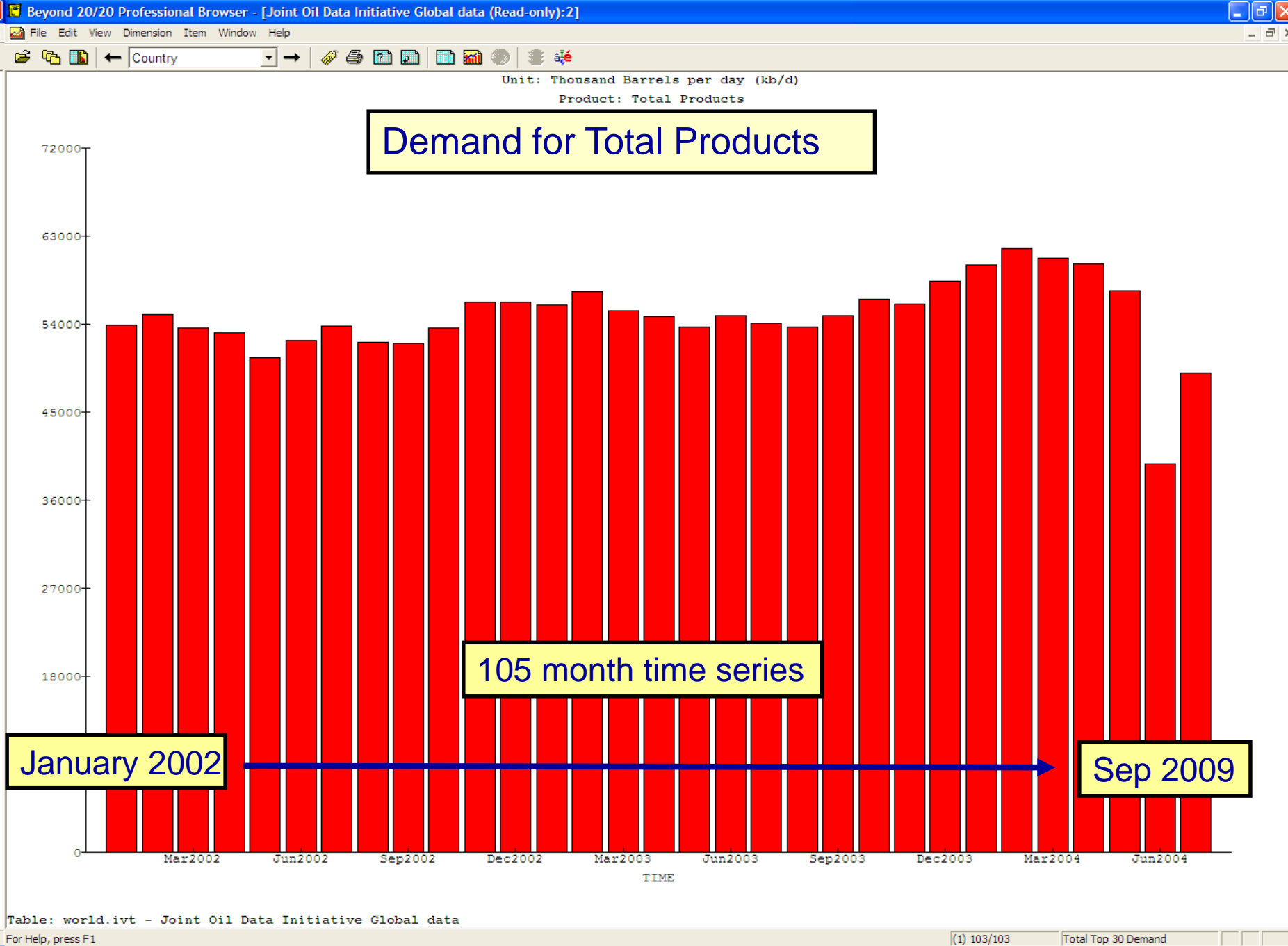
Some key features of Beyond 20/20

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Algeria

ENG



Thank you

For more information at
www.jodidata.org

