

The Journey of JODI History to Present

Jean-Yves Garnier
Independent Consultant



Hosted by Government of India with the support of Joint Organisations Data Initiative (JODI) partners

The JODI
Databases

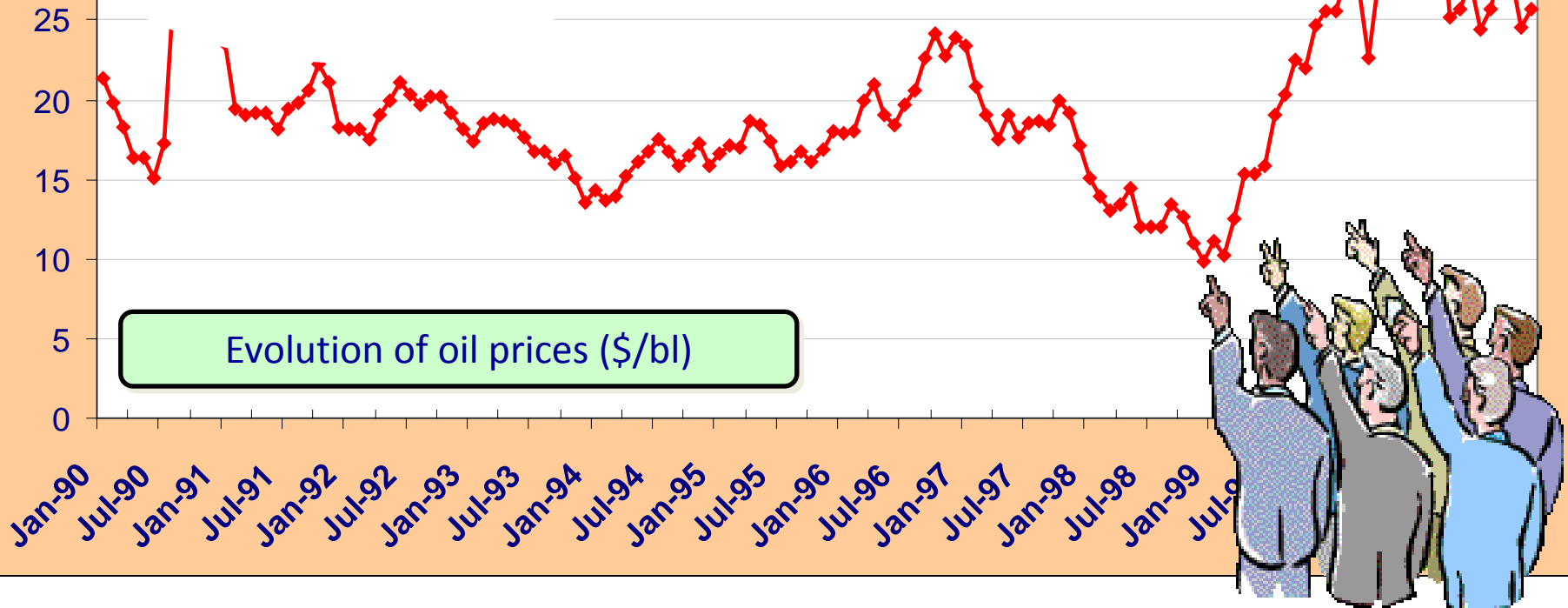
How everything started



Missing Barrels

Blame on statistics?

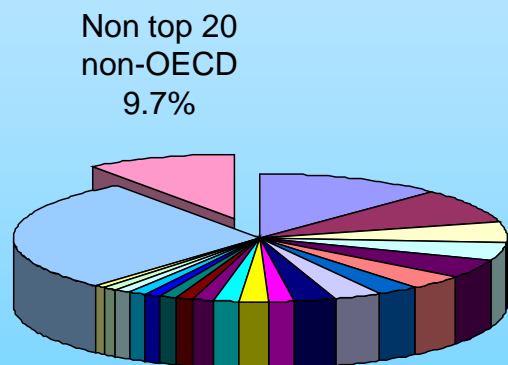
Evolution of oil prices (\$/bl)





Which Players are Concerned?

Crude Oil and NGL Production

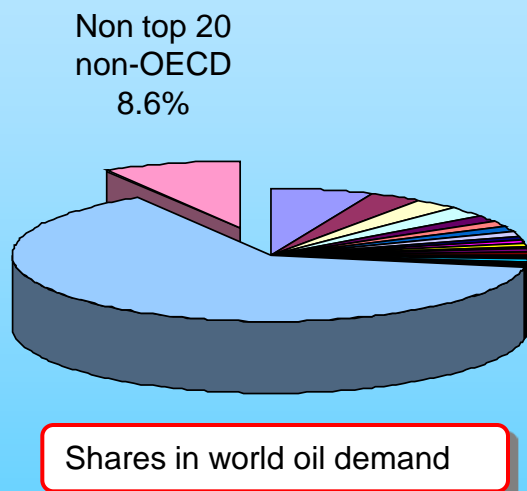


Shares in world oil production

		Share(%)	OPEC	APEC	OLADE	OECD
	Saudi Arabia	12.4	✓			
	Russia	8.8		✓		
	Iran	5.1	✓			
	Venezuela	4.7	✓		✓	
	China	4.6		✓		
	Iraq	3.6	✓			
	UAE	2.9	✓			
	Nigeria	2.9	✓			
	Kuwait	2.8	✓			
	Libya	1.9	✓			
	Indonesia	1.8	✓	✓		
	Algeria	1.7	✓			
	Oman	1.3				
	Colombia	1.2			✓	
	Egypt	1.2				
	India	1.1				
	Angola	1.1				
	Malaysia	1.1		✓		
	Qatar	0.9	✓			
	Kazakhstan	0.9				
	OECD	28.6				✓
	Total	90.3				

Which Players are Concerned?

Oil Demand



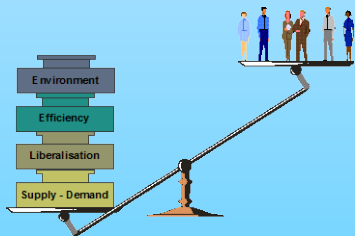
		Share(%)	OPEC	APEC	OLADE	OECD
	China	6.4		✓		
	Russia	3.3		✓		
	India	2.7				
	Brazil	2.6			✓	
	Saudi Arabia	1.7	✓			
	Iran	1.4	✓			
	Indonesia	1.3	✓	✓		
	Chinese Taipei	1.1		✓		
	Thailand	0.9		✓		
	Singapore	0.8		✓		
	Egypt	0.8				
	Venezuela	0.7	✓		✓	
	Malaysia	0.7		✓		
	Argentina	0.6			✓	
	South Africa	0.6				
	Iraq	0.6	✓			
	Pakistan	0.5				
	Ukraine	0.5				
	UAE	0.4	✓			
	Libya	0.3	✓			
OECD	OECD	63.4				✓
	Total	91.4				

Five Points to Conclude



Is “speedy data” better than “late data”?
Is “no data” better than “wrong data”?

Statistics is not an exact science
One should always be cautious when using data



Growing imbalance between needs and resources

More players, less resources allocated to statistics
Risk of lower quality and greater uncertainty

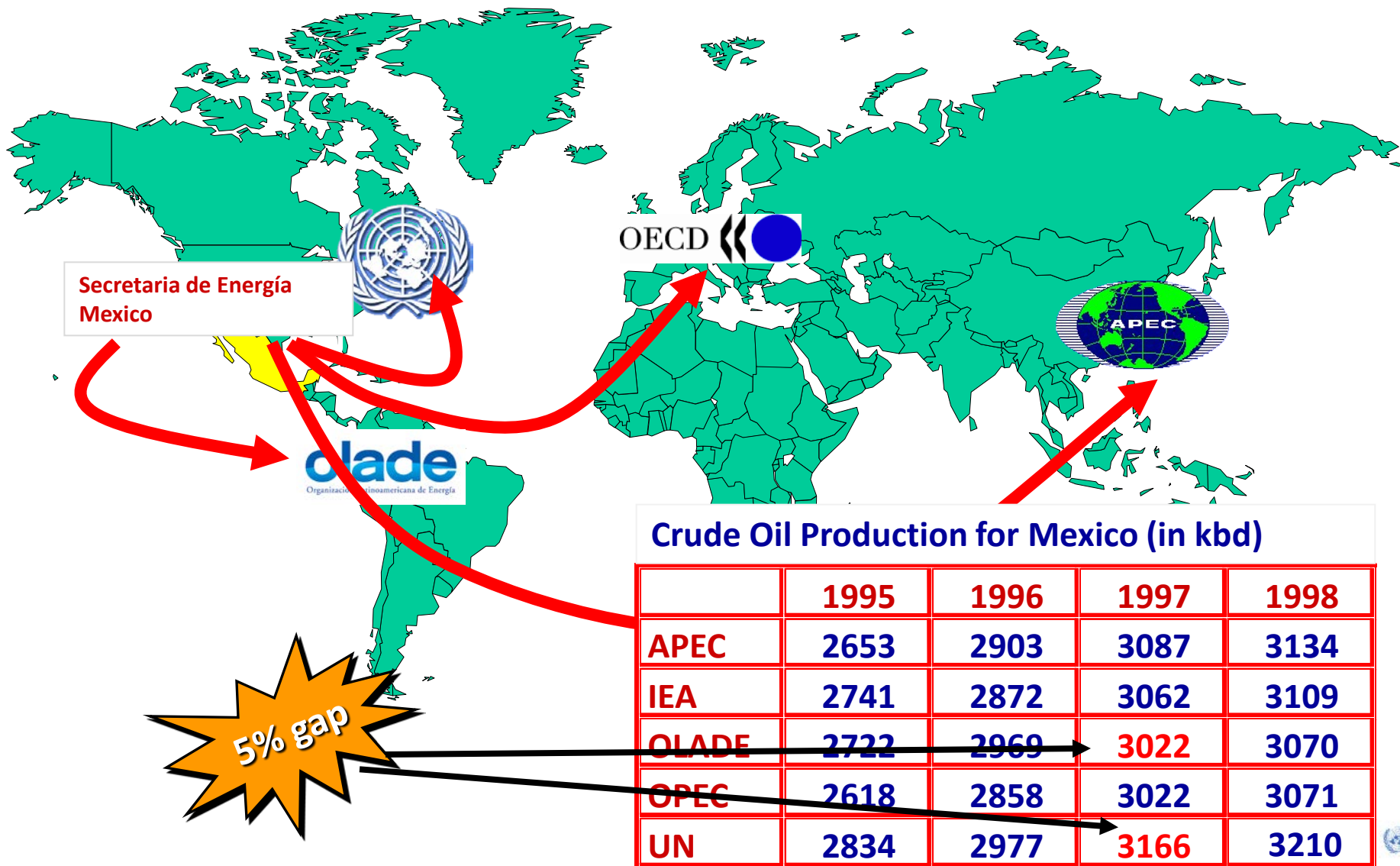


Need for more co-operation
Meeting on comparison and harmonisation of statistics with a special focus on oil

From a concept to an exercise



Who collects what and at what frequency
Are definitions comparable?
What can be done to improve the situation



Technical

Heads of Statistics in
Paris, 13-14 Nov 2000

Paris
13-14 Nov. 2000

- 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 Meeting

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 (JODE)

JOINT APEC/EUROSTAT/OECD-IEA/OLADE/OPEC/UN DATA EXERCISE

A simple format (42 data points)

Country: _____
Month: _____

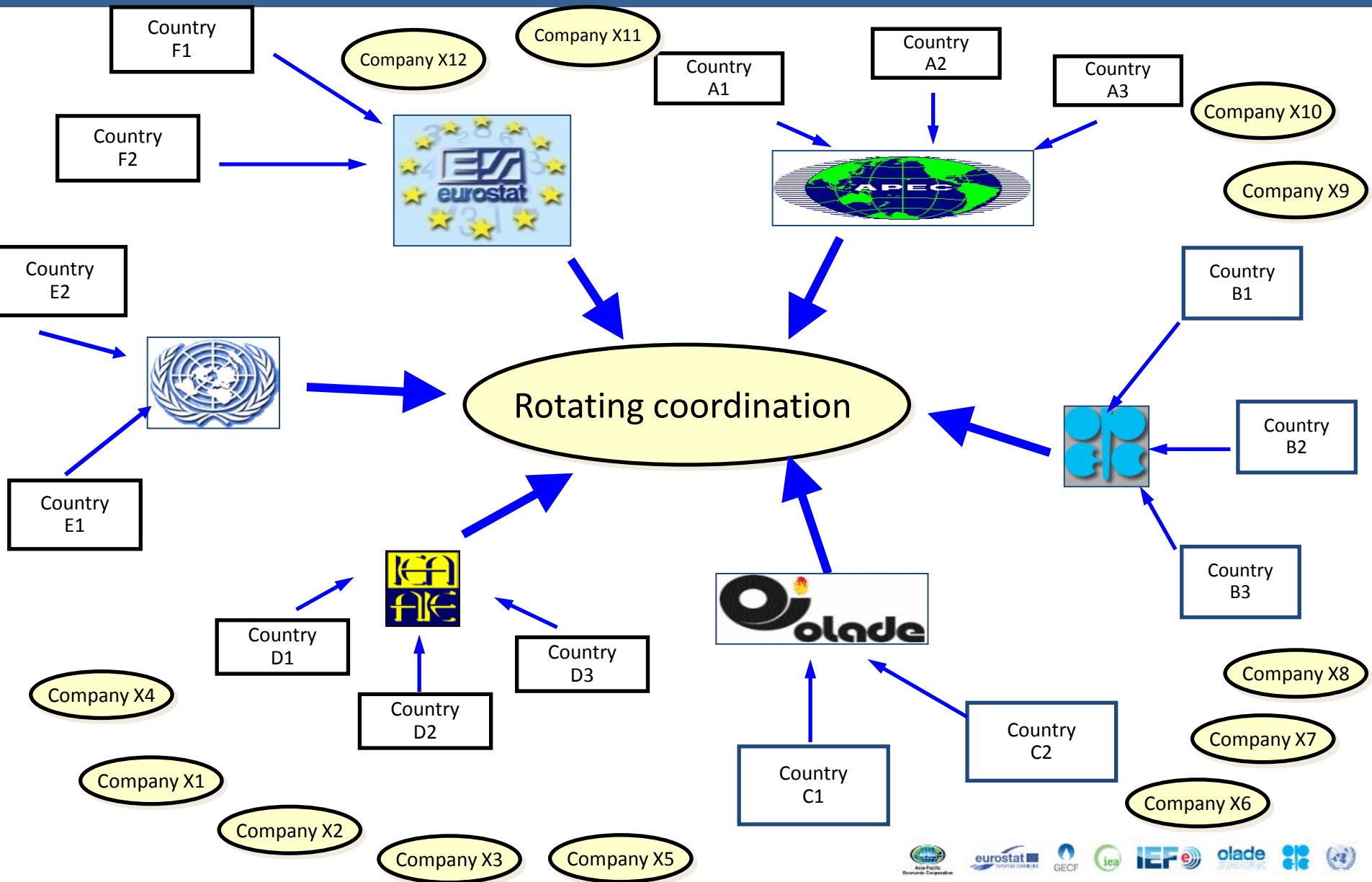
Unit: _____

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

month -1 & month -2

Choice of units left to organisations

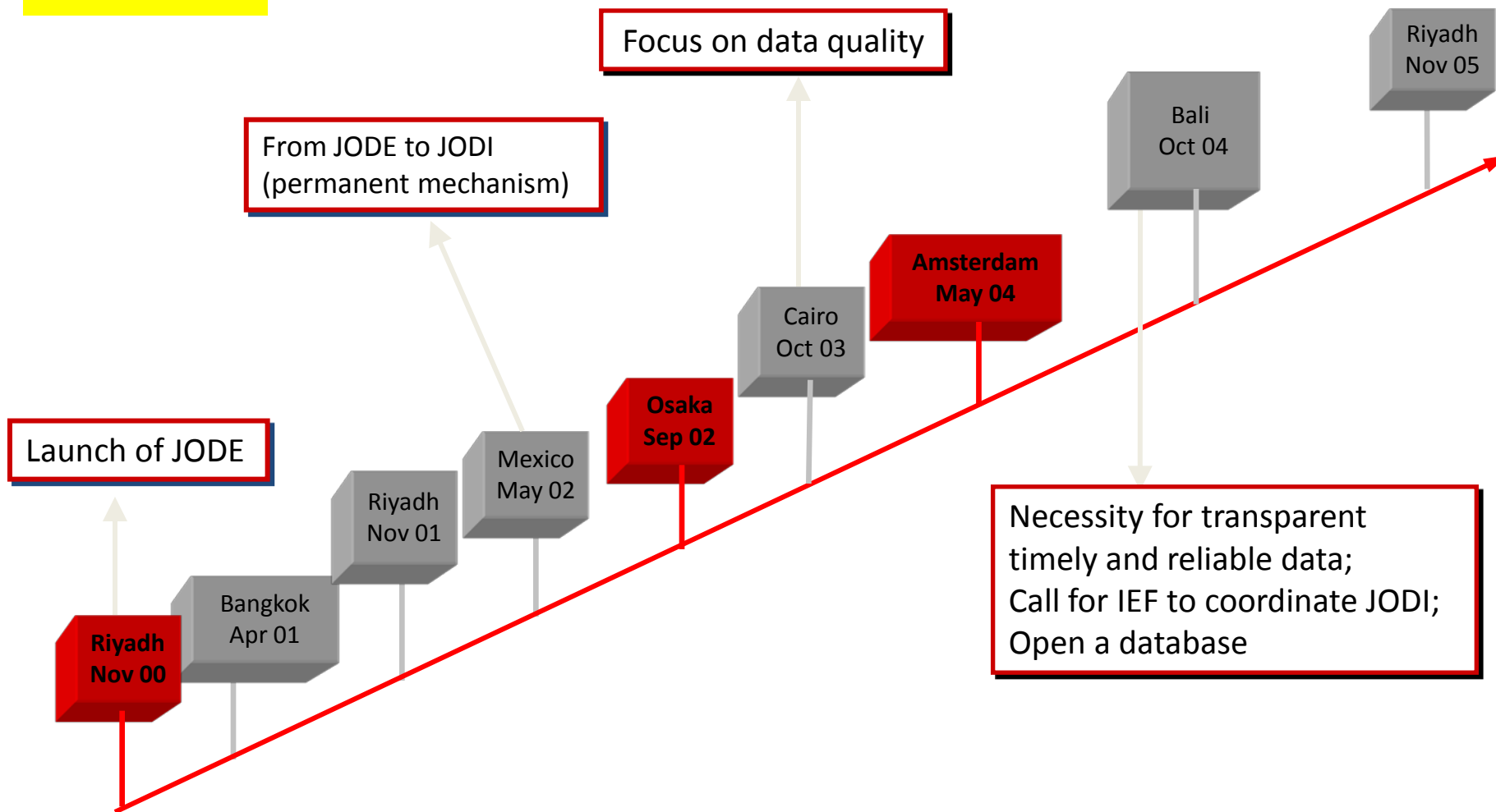
Simple definitions

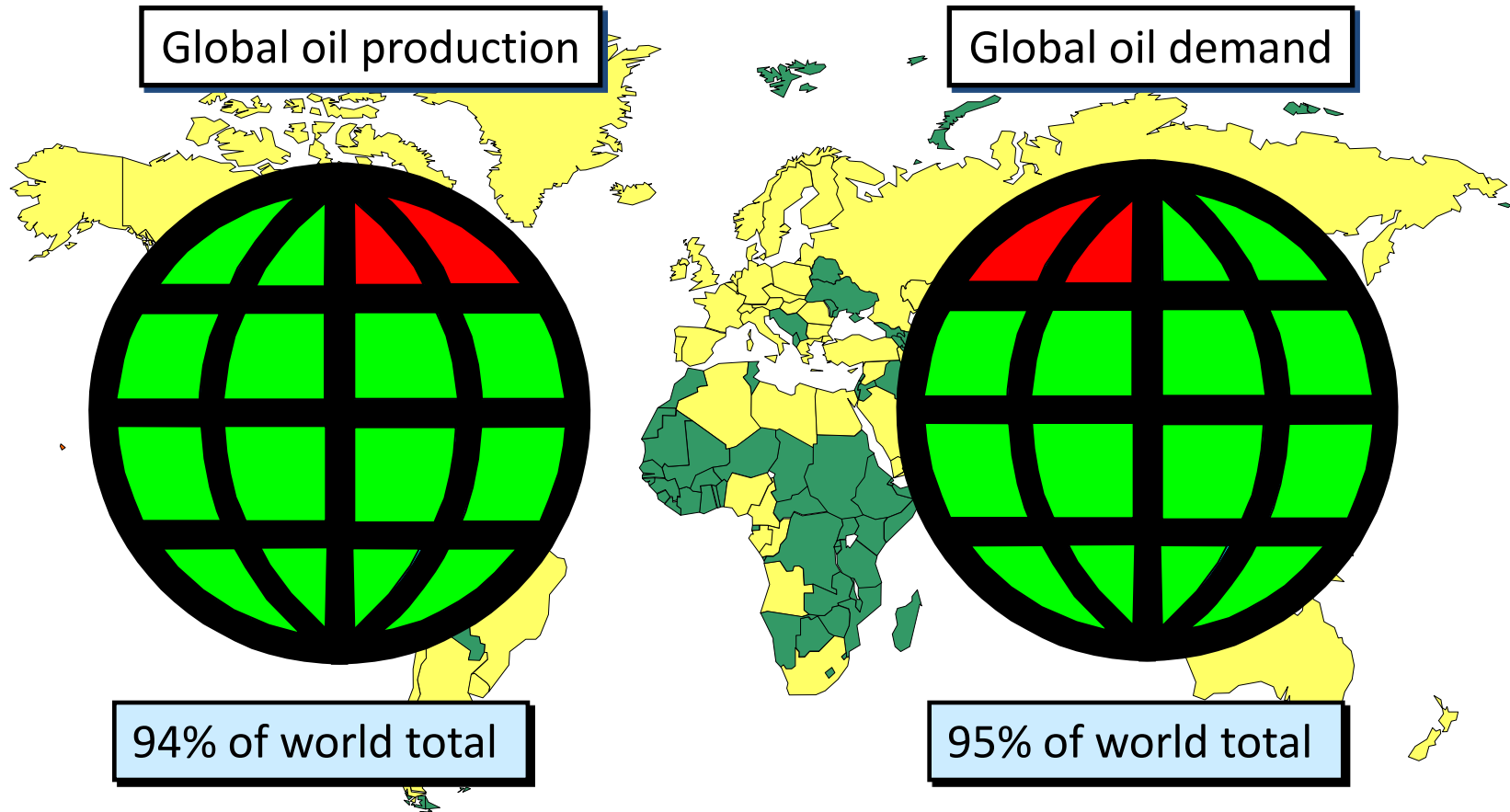


From an exercise to a permanent mechanism

From JODE to JODI

2001 - 2005





Decision was then taken to move from an exercise to a permanent reporting mechanism

Beyond 20/20 Professional Browser - [Joint Oil Data Initiative Global data (Read-only)]

File Edit View Dimension Item Window Help

Product

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

TIME	Nov2003	Dec2003	Jan2004	Feb2004	Mar2004	Apr2004	May2004	Jun2004	Jul2004
Country									
Algeria	0	0	1,316	1,278	1,263	1,254	1,258	1,276	1,270
Angola	0	0	0	0	0	0	0	0	0
Argentina	0	0	0	0	0	0	0	0	0
Australia	480	481	468	457	432	429	413	452	0
Brazil	1,481	1,481	1,457	1,452	1,480	1,449	1,421	1,482	0
Canada	2,043	2,056	1,978	2,018	2,012	2,009	1,992	2,070	2,034
China	3,395	3,097	3,450	3,483	3,401	3,445	3,480	3,516	0
Colombia	532	519	525	523	518	535	535	533	0
Egypt (Arab Rep.)	702	682	676	673	676	653	671	659	0
India	689	694	698	701	693	706	692	690	688
Indonesia	1,110	1,106	0	1,107	1,102	1,097	0	1,093	1,092
Iran (Islamic Rep.)	3,724	3,741	3,676	3,753	0	3,613	3,660	3,683	3,725
Iraq	0	0	0	0	0	0	0	0	0
Kazak	2	0	0	0	977	993	974	0	984
Kuwait	0	0	2,066	2,036	2,026	2,130	2,100	2,200	0
Libya	0	0	1,460	1,460	1,440	1,440	1,574	1,626	1,661
Malaysia	819	859	851	0	0	0	822	0	0
Mexico	3,385	3,462	3,424	0	0	0	3,409	3,452	3,377
Nigeria	2,319	0	2,397	0	0	0	2,290	2,307	0
Norway	3,008	3,123	3,159	0	0	0	3,017	3,000	3,039
Oman	804	807	0	0	0	0	0	0	0
Qatar	0	0	0	0	0	0	0	0	0
Russian Federation	8,509	8,519	8,543	8,599	8,662	8,730	8,804	8,975	0
Saudi Arabia	8,045	8,333	8,038	8,121	7,987	7,774	8,695	9,365	9,491
Syria (Arab Rep.)	0	0	0	0	0	0	0	0	0
United Arab Emirates	2,124	2,198	2,283	2,305	2,184	2,122	2,266	2,285	2,282
United Kingdom	1,969	2,028	2,006	1,876	2,007	1,911	1,911	1,911	1,911
United States of America	5,637	5,629	5,644	5,584	5,622	5,622	5,622	5,622	5,622
Venezuela	2,698	2,455	0	0	0	0	0	0	0
Yemen	3,266	3,326	3,268	3,196	403	0	0	0	0
Total Top 30 Production	60,013	57,962	57,383	57,213	51,484	54,849	55,843	49,930	35,894

For Help, press F1

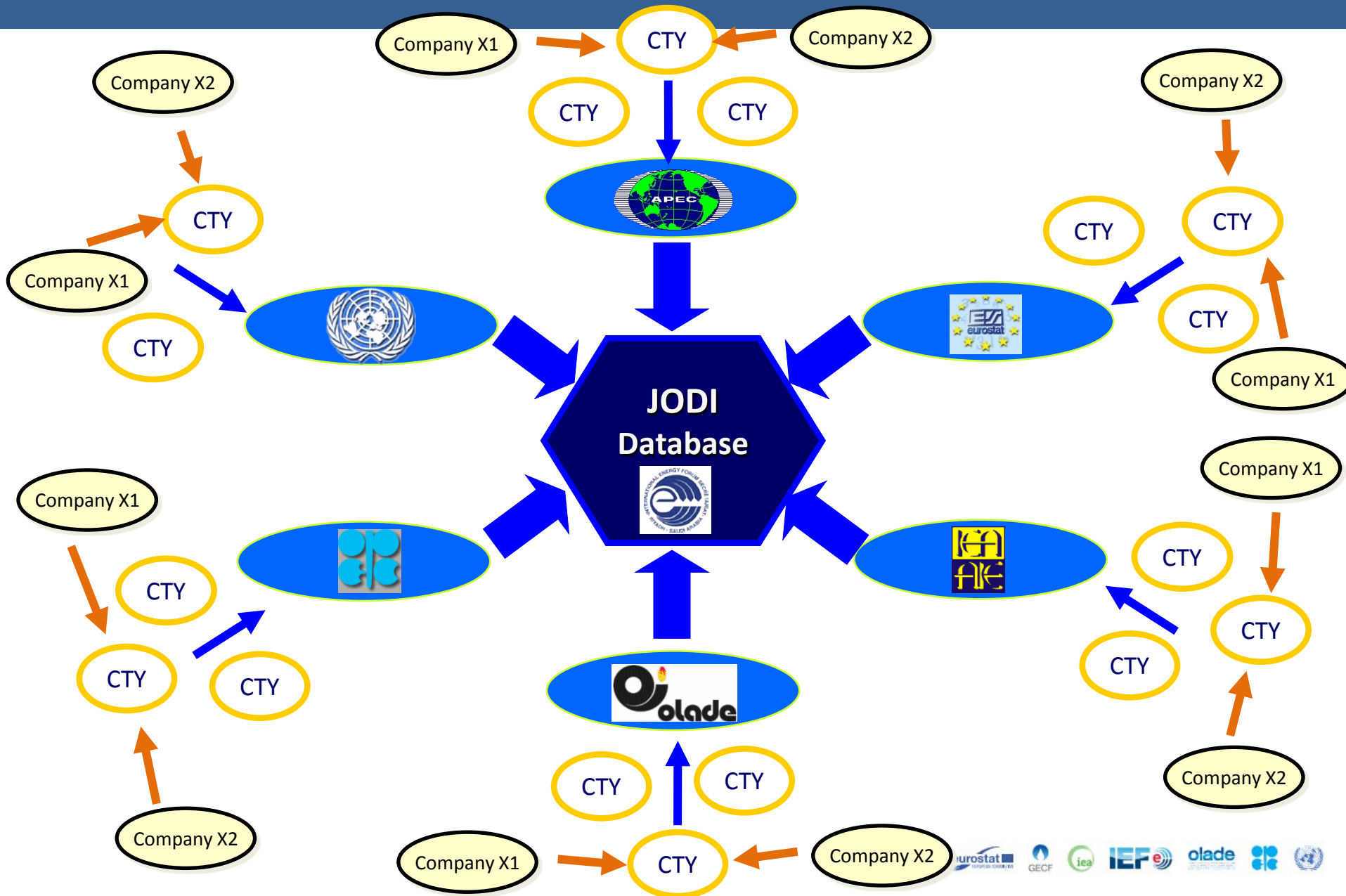
7/7

Crude Oil

Breaks in data series

Missing values

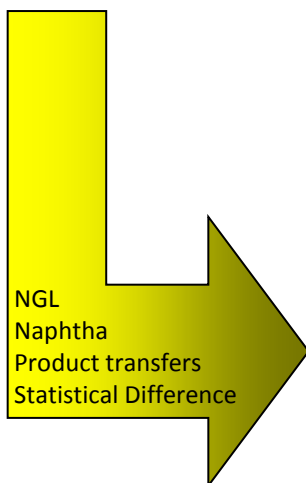
No colour cells





The launch of the database
opened appetite for more
data and for a similar
initiative on natural gas

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



Country _____


Month _____

		Crude Oil	NGL	Other	Total			Kerosene	Diesel	Products	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	Closing				
	Change						Change				
Statistical Difference						Statistical Difference					
Refinery Intake						Demand					

Other = Refinery Feedstocks + Additives + Other Hydrocarbons

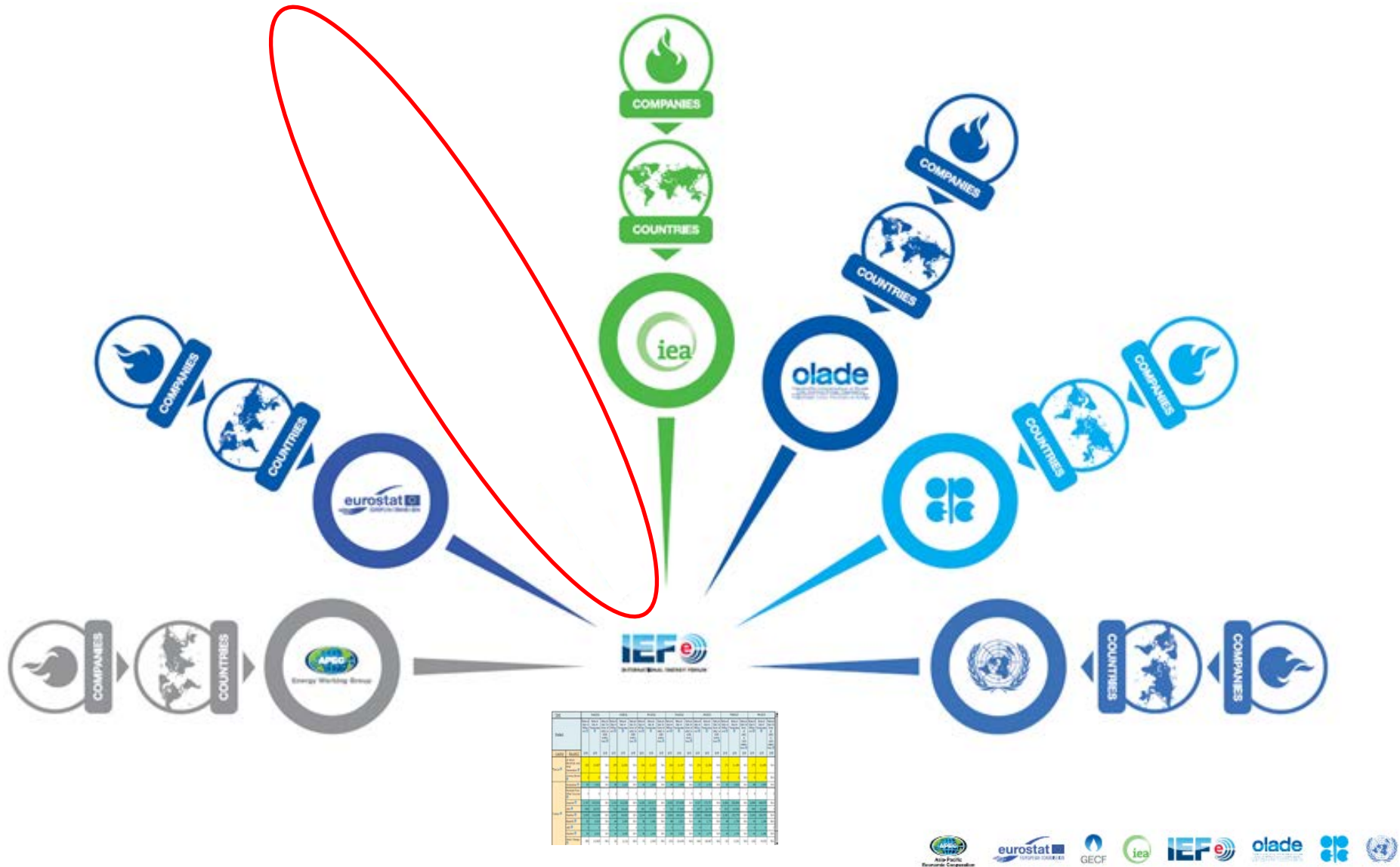
Receipts = Primary Product Receipts + Recycled Products
Other Products = Refinery gas + Ethane + Petroleum Coke +

Total = 128 cells or 86 new cells

 = New Cells



Released at the IEF
Ministerial in
Kuwait March 2012



Released at the IEF
Ministerial in
Moscow May 2014

TIME	Sep 2012		Oct 2012		Nov 2012		Dec 2012		Jan 2013		Feb 2013		Mar 2013									
Product	Natural Gas in Million m3	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons	Natural Gas in Million m3	Natural Gas in Terajoules	Natural Gas (in form of LNG) in 1000 metric tons
Country																						
Tunisia	of Electricity and Heat Generation	330	13,812	N/A	299	12,581	N/A	264	11,107	N/A	264	11,107	N/A	294	12,384	N/A	274	11,496	N/A	279	11,698	N/A
	Closing Stocks	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A
Turkey	Production	47	1,812	N/A	68	2,622	N/A	44	1,686	N/A	44	1,686	N/A	44	1,686	N/A	44	1,686	N/A	44	1,686	N/A
	Receipts from Other Sources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Imports	3,747	143,510	N/A	3,214	123,090	N/A	4,025	154,173	N/A	4,025	154,173	N/A	4,025	154,173	N/A	4,025	154,173	N/A	4,025	154,173	N/A
	LNG	694	26,572	0	743	28,460	0	881	33,750	0	881	33,750	0	881	33,750	0	881	33,750	0	881	33,750	0
	Pipeline	3,053	116,938	N/A	2,471	94,630	N/A	3,144	120,423	N/A	3,144	120,423	N/A	3,144	120,423	N/A	3,144	120,423	N/A	3,144	120,423	N/A
	Exports	53	2,013	N/A	64	2,453	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A
	LNG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pipeline	53	2,013	N/A	64	2,453	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A	38	1,461	N/A
Stock Change	380	14,583	N/A	56	2,116	N/A	76	2,943	N/A	76	2,943	N/A	76	2,943	N/A	76	2,943	N/A	76	2,943	N/A	

Released at the IEF Ministerial in Moscow May 2014





Joint Oil Data Initiative



**Organisations: APEC, Eurostat, IEF, IEA, OLADE,
OPEC, UNSD, (GECF for gas)**



Draw the attention on statistics issues

Raise the profile of statistics and statisticians

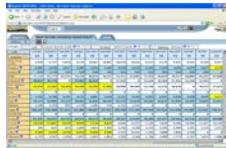


Improve oil/gas data coverage

Improve timeliness



Improve overall oil/gas data transparency




Strengthen cooperation between organisations



Initiate the definition harmonisation process





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AMIS Agricultural Market Information System

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Monitoring crop conditions

GEOGLAM strengthens global crop monitoring

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What will be the outcomes of the 12th JODI Conference

Quito 06/09

Riyadh (11/05)

User expansion

Delhi
(02/15)

?

Launching of the Database

Riyadh(11/06)

Beijing
(10/11)

Riyadh (11/01)
Mexico (5/02)

Use and Usefulness

Sustainability and
Expansion

Participation

Cairo (10/03)
Bali (10/04)

Reliability and
Sustainability

Bangkok (4/01)

Launch

**Achieve 100% transparency
(issues on stocks)**

Improve data quality

Complete time series

**Make JODI a database for all public
and not only for grownups**

Bring gas to same level as oil

**Make the databases better known
and used**

***It is only when bases are solid one
can look for further development***



JODI has certainly improved transparency
However to achieve full transparency...



It is up to each company, country and organization to decide and act.

Thank you.