The Joint Organisations Data Initiative
Background, Current Status and Objectives

Presented by Cristian Fetie (Eurostat)
Summary

- What is JODI?
- What are the reasons behind this project? Why JODI?
- How did it start?
- Initial progress
- Further developments
- Looking ahead
What is JODI?

- **Joint Organisations Data Initiative**
- A concrete outcome of the oil and gas producer-consumer dialogue, reflected in its membership
  - 8 international organisations gathered together with the aim to improve data transparency and harmonization of methodologies
- Data collection is the first step, but JODI goes way beyond
  - Increasing cooperation and awareness on importance of reliable and timely statistics
  - Capacity building
  - ...
Unusual volatility in oil prices...

Blame on statistics?

Open interest
Comments on data quality

Data vary from source to source

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A widening gap between supply and demand

What is good data quality?

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<tr>
<td>Supply (million barrels per day)</td>
<td>83</td>
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<td>Demand (million barrels per day)</td>
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Is A better than B?

Oil vs. other commodities

<p>| | |</p>
<table>
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<tr>
<td>Crude Oil</td>
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<tr>
<td>Sugar</td>
<td>3%</td>
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<tr>
<td>Grains</td>
<td>5%</td>
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<tr>
<td>Copper/Aluminium</td>
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However, 1% is 830 000 bl/day
Political call + technical answer = basis - the birth of J(Oil) DE

Political

Ministers at the 7th IEF Meeting

“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.”

Technical


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

Bangkok 2-3 April 2001

Decision taken to launch a 6-month exercise (JODE)

Riyadh 17-19 Nov. 2000

Political call + technical answer = basis - the birth of J(Oil) DE

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
1st step: agreed on a questionnaire as simple as possible

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

Country: __________
Month: __________
Unit: __________

Choice of units left to organisations

Simple definitions

A simple format (42 data points)
2nd step: launched a 6-month exercise with joint and agreed objectives

Objectives
- How many countries would be able to complete the table
- How many countries would be able to submit M-1 data
- What are the main difficulties encountered
- What solutions could be proposed
Enormous progress/accomplishment over the first 4 years of the initiative

- Reporting mechanism at country level:
  - Establishment of a mechanism when there was none
  - Moving from M-3 to M-2 to M-1
  - Fewer confidentiality issues
  - Better quality data
- Continuous increase in coverage
- A J(Oil)DI world database
### A database was prepared

A concrete outcome of the Consumer-Producer Dialogue: 11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria

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<td><strong>Total Top 30 Production</strong></td>
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The new reporting mechanism

A Concrete Outcome of the Consumer-Producer Dialogue

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
Conferences provide the ground for steps ahead...

- 6th JODI conference Riyadh 2006:
- Continue to improve completeness, timeliness, reliability
- Improve usefulness of initiative and database (closer to data providers and users)
- Extend the JODI questionnaire, at first with a trial period

<table>
<thead>
<tr>
<th>Month</th>
<th>Crude Oil</th>
<th>NGL</th>
<th>Other</th>
<th>Total</th>
<th>LPG</th>
<th>Naphtha</th>
<th>Gasoline</th>
<th>Jet Kerosene</th>
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</table>

NGL and other non crude production have been added

Addition of a few technical flows to be able to make a full oil balance

Addition of products with significant consumption in different countries (naphtha, jet kerosene)
Joint Organisations Data Initiative (JODI) contributes to a Concrete Outcome of the Consumer-Producer Dialogue.

Release of extended DB

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

And the story went on…

Monthly update, M-1 data

Released at the IEF Ministerial in Kuwait March 2012

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
From J(Oil)DI to J(Organisations)DI

- 10th IEF meeting (2006)
  - Calls for extending JODI to other fuels
- 11th IEF meeting (2008)
- Feasibility study for extending JODI to include monthly natural gas data (2009)
- G20 summit (2009)
- JODI gas exercise launched
- 7th international JODI conference (2009)
  - “...JODI organisations are invited to assess the data collection burden and member countries/economies capacity to report natural gas data on a monthly basis and examine practical ways of extending JODI to natural gas data...”
JODI & natural gas...

- JODI ISWG meeting (November 2009)
  - Finalization of gas questionnaire and agreement on the architecture to start a preliminary gas data collection exercise within JODI partners and other stakeholders
- December 2009 to 2014
  - Start a preliminary gas data collection exercise; beta version of database assessed
- 12th IEF meeting (2010)
- G20 summit (2011)
- 13th IEF meeting (2012)
  - JODI gas exercise becomes a permanent initiative
- JODI gas conferences/trainings/manual
- 14th IEF meeting (2014)
  - GECF became an official partner of the Joint Organisations Data Initiative (JODI-Gas)
  - Launch of JODI gas database to public
Training and capacity building

English

Spanish

Russian

Chinese

A Concrete Outcome of the Consumer–Producer Dialogue

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
Ten JODI training sessions have been organised since 2006... N°11 is ongoing

Training

11th JODI Training
23-25/03/15
-----
ENERC
EUROSTAT
IEFS
IEA
GECF
OPEC
UNSD

6th JODI Training
-----
26-28/7/10
-----
IEFS
OLADE
IEA

10th JODI Training
23-25/11/14
-----
IEFS
IEA
UNSD
OPEC
GECF

2nd JODI Training
-----
29/01-2/02/07
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IEFS
Eurostat
IEA
OPEC
IMF

7th JODI Training
10-12/10/12
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IEFS
OPEC
IEA
UNSD
IEA
IMF

5th JODI Training
18-20/11/09
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IEFS
APEC
Eurostat
IEA

3rd JODI Training
23-26/10/07
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IEFS
OPEC
IEA
UNSD
IEA
IMF

8th JODI Training
28-30/10/13
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IEF
APEC
IEA
UNSD

9th JODI Training
25-27/2/14
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IEFS
IEA
UNSD
OPEC

Caracas
Colombia
Algiers
Ankara
Algiers
Rabat
Johannesburg
Vienna
Baku
Doha
Kuala Lumpur

1st JODI Training
14-19/08/06
-----
OLADE
IEFS
IEA
OPEC
UNSD
IMF

3rd JODI Training
-----
23-25/03/15
-----
ENERC
EUROSTAT
IEFS
IEA
GECF
OPEC
UNSD

4th JODI Training
10-12/09/08
-----
IEFS
APEC
IEA

6th JODI Training
-----
26-28/7/10
-----
IEFS
OLADE
IEA

10th JODI Training
-----
23-25/11/14
-----
IEFS
IEA
UNSD
OPEC
GECF

2nd JODI Training
-----
29/01-2/02/07
-----
IEFS
Eurostat
IEA
OPEC
IMF

7th JODI Training
10-12/10/12
-----
IEFS
OPEC
IEA
UNSD
IEA
IMF

8th JODI Training
28-30/10/13
-----
IEF
APEC
IEA
UNSD

9th JODI Training
25-27/2/14
-----
IEFS
IEA
UNSD
OPEC

11th JODI Training
23-25/03/15
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ENERC
EUROSTAT
IEFS
IEA
GECF
OPEC
UNSD

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
JODI Training

• 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 other data related issues

• To **share their experience** on data validation best practices or data collection issues
Despite many achievements, some problems still remain ...

- Some countries do not send data regularly

- Some countries do not report some flows, e.g. demand or stocks (close/level)

- Some countries do not meet the aimed submission deadline, even for 2-month old data

- Data submitted by some countries are not always reliable (definition?, other?)
Participation situation in JODI Oil

A Concrete Outcome of the Consumer - Producer Dialogue

11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
How to communicate results to Ministers

- Results visible rapidly
- Results on a country basis
- A measure easy to understand
- Objective criteria: timeliness, sustainability and completeness
Participation situation in JODI oil

### JODI-Oil Participation Assessment
for the period January - June 2014

With the support of the Joint Organisations Data Initiative (JODI) partners

<table>
<thead>
<tr>
<th>Country</th>
<th>Sustainability</th>
<th>Timeliness</th>
<th>Completeness</th>
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**Notes:**
- Sustainability (of submission) reflects the degree to which data are provided on time.
- Timeliness refers to the timeliness of data submission.
- Completeness indicates the availability of data.

*Not assessable (n.a.) is applied when a country or economy did not submit JODI-Oil questionnaire data during the assessment period or during the six months prior to the period.*

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11th Regional JODI Training Workshop, 23-25 March 2015, Vienna, Austria
JODI main achievements

- Helped raise political awareness on the importance of oil and gas data transparency
- Helped establishing a free sound oil and gas data collection system at the global level
- Improved attitude toward data confidentiality
- Created a momentum for more harmonization and cooperation
- Strengthened producer-consumer dialogue
The databases are only the visible part of the iceberg...
Still some work to do . . .

- 90 to 95% of the road has been made to have the usable, useful and used database the oil and gas community is waiting for
- However the remaining 5 to 10% are the most difficult to achieve
- Most of the technical work has already been done, it is now mainly about political commitment: confidentiality and resources are two key issues
Objectives for the future

- Promotion of the databases
- Continue to improve timeliness, coverage and quality of JODI (oil & gas) submissions
- Training workshops/internships at IEF
- Virtual training on IEF website
Lessons From the Initiative

- A lot can be achieved by working together
- A close interaction between organisations, countries and the industry is key to move a process
- Political backing is essential
- Improving data transparency will not happen over night
- Transparency will not happen without full participation of all parties
Thank you

For more information at
www.jodidata.org