JODI-Gas Information Session

Malabo, 26 November 2019





Benefits of JODI for OPEC A focus on natural gas data

Presented by:

OPEC Secretariat

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Outline



- OPEC's contribution to JODI
- JODI natural gas data & their importance for OPEC
- JODI natural gas data usage in OPEC research
- Interaction between energy commodities & data transparency
- Conclusion

JODI: A manifestation of the producer-consumer dialogue



7th IEF Meeting in Riyadh 2000

- OPEC as one of the participating organizations
- Strong support from the very early days of the Initiative
- Efforts to increase oil data transparency for the benefit of producers & consumers

Launching of Joint Oil Data Exercise (JODE) - 2001

- Designing the original oil data questionnaire a challenge
- Substantial contribution to the methodology & overall design
- OPEC one of the founder organizations

March 2012 (Kuwait): Launch of the extended JODI world oil database



May 2014 (Moscow): Launch of JODI world gas database



November 2005 (Saudi Arabia): Launch of JODI world oil database

OPEC's strong support to JODI continuous





Technical cooperation

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Timelines

8

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8

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0

Completeness

0

0

0

0

0

0

0

0

0

8

*No data submitted

OPEC Member Countries JODI Oil Smiley Faces for Period January-June 2019

Completeness

100%

100%

100%

100%

100%

100%

100%

Timelines

6

Capacity building

Dialogue



MAN

e) olade

JODI Gas

Manual

OPEC Member Countries JODI Gas Smiley Faces for Period January-June 2019

Country	Sustainability	Timeliness	Completeness	Sustainability	Timeliness	Completeness
Angola*	===		842)	525	120	82
Ecuador	6	6	100%	0	0	0
Gabon	6	6	20%	0	0	8
Iraq	6	6	100%	©	0	©
Kuwait	6	6	100%	0	0	©

JodiGas. O Joint Organisations Data Initia

Brait Propared for discussion at the Third Gas Bata Transparency Conference.

Ball Indexes do: 4-5 June 2013

DRAFT Submitted to the Third Gas Data Transparency Conference, June 2013

Venezuela

*) No data submitted

Congo*

Ecuador

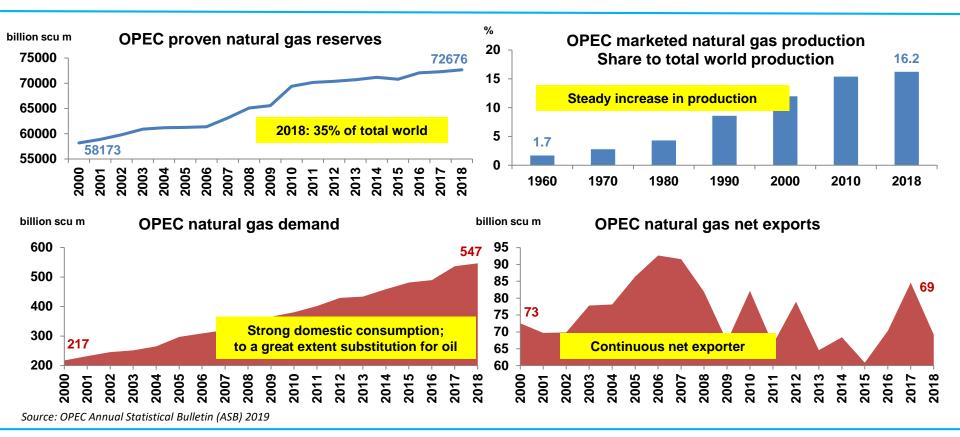
Libva*

Saudi Arabia

Equatorial Guines

OPEC MCs are key players in natural gas

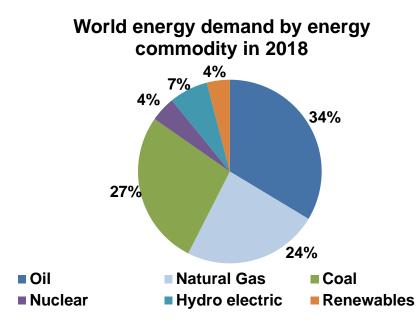


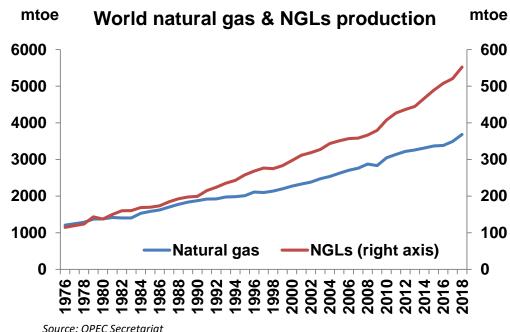


Natural gas strongly interacts with oil...



Oil market assessment requires assessment of natural gas markets; increasing interaction also with other commodities

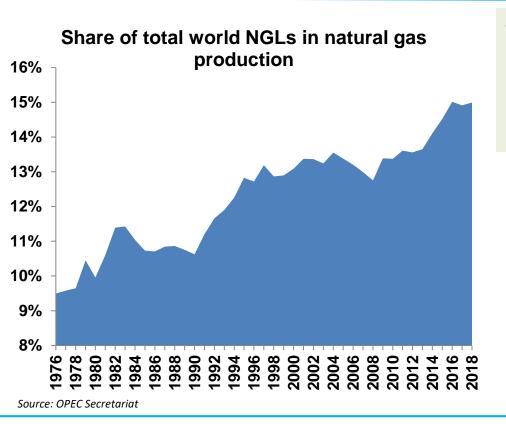




Source: OPEC Secretariat & BP Statistical Energy Review 2019

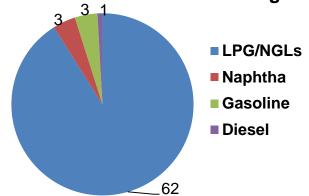
...both in primary & secondary side





- Natural gas & oil interaction
 - Primary side (NGLs)
 - Secondary side (all products, specifically the lighter, LPG, naphtha)
 - Petrochemical industry





JODI is complementary for **OPEC** research



OPEC RESEARCH

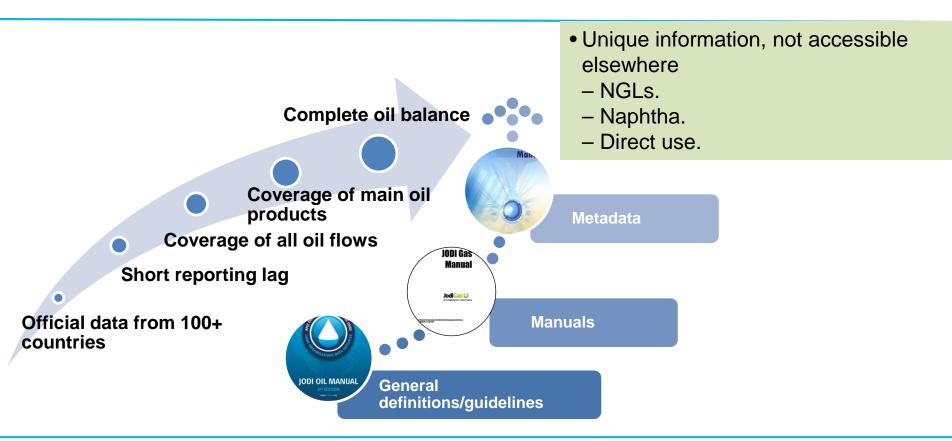
- Pioneer in energy data collection
- Data driven research & decision making
- Comprehensive information system to support decisions

JODI

- Essential for energy data transparency
- Official freely accessible country data
- Oil & natural gas fundamental flows
- Wide coverage of oil & natural gas flows
- Technical metadata

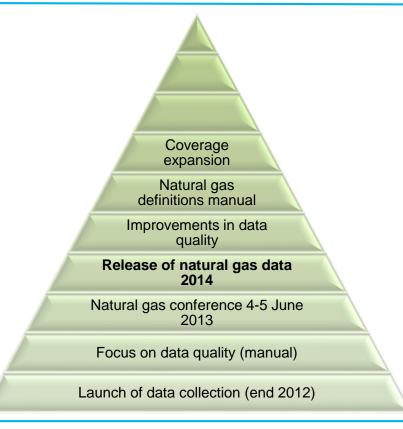
JODI oil is very rich in coverage





JODI gas provides most recent official data and is continuously improving





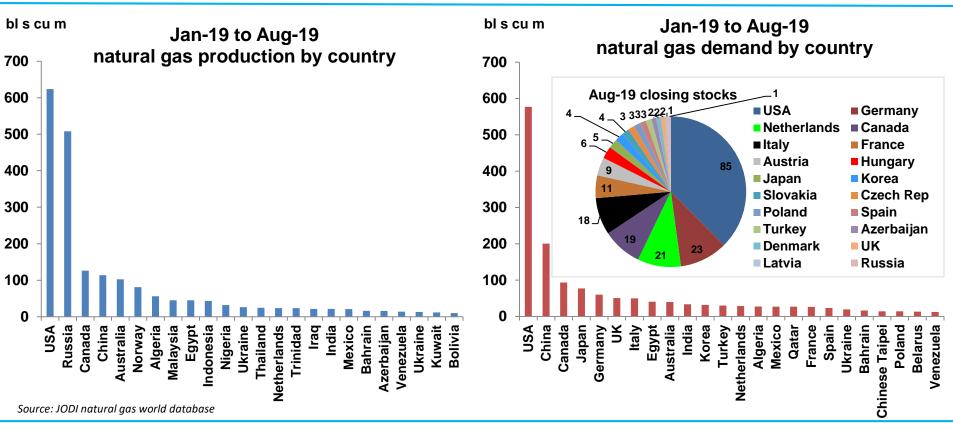
- 85+ countries
- All main flows
- Monthly gas balance
- Metadata
- Definitions
- Manuals
- As for oil, the JODI natural gas database is an important data source and utilized for updating natural gas production, demand and trade information;
- There are industry reference data sources including BP statistics, Cedigaz, IEA statistics and EIA statistics, but
- None of these natural gas data sources provide monthly data.



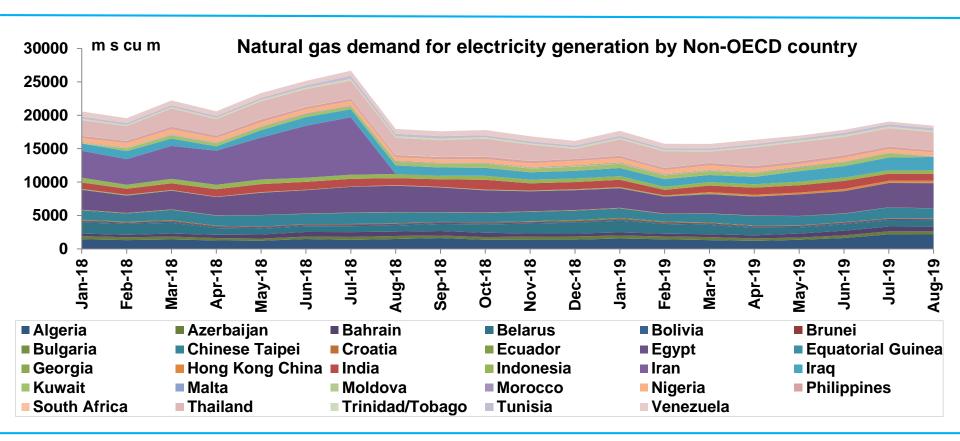
- <u>Natural gas production</u>: Natural gas production forecasts based on historical consumption data; as interaction between natural gas and oil is significant, <u>oil forecasting accuracy</u> depends partly also on <u>natural gas forecasting accuracy</u>.
- <u>Natural gas demand</u>: Natural gas demand forecast is based on adding growth projections to an existing baseline – similar issues as for natural gas production.
- Natural gas demand for electricity generation: Natural gas serves as substitution for residual fuel and crude direct use.
- Natural gas trade: Natural gas trade flows; in particular LNG and pipeline trade.
- Natural gas stocks: Inventories reflect interaction between supply and demand.

For all the above flows, JODI provides the most recent information – on monthly basis.

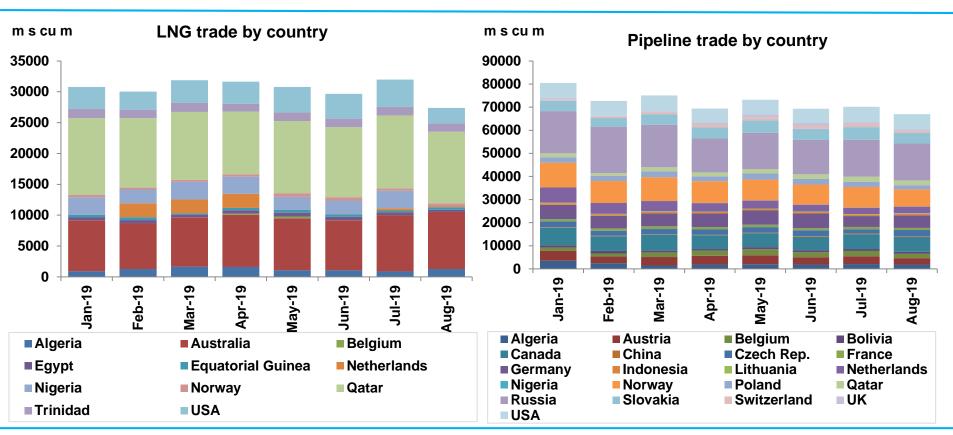






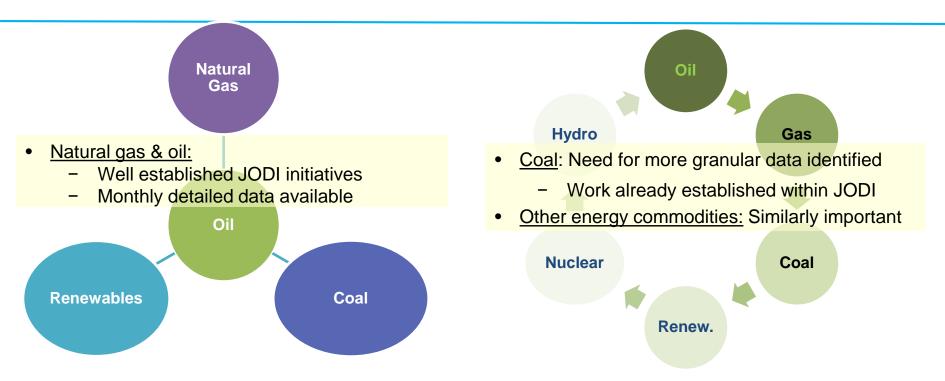






Interaction between energy commodities

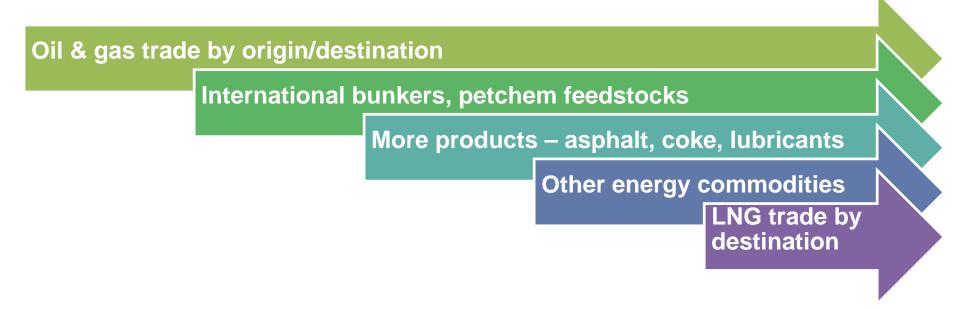




Better understanding of energy transition when data transparency is applied to all energy commodities

Looking ahead: more data required ...





Conclusion



- JODI oil & gas databases are widely used within the industry.
- JODI is the central platform & benchmark for official energy data.
- Further success of the Initiative will strongly depend on the
 - Usability, relevance & accuracy of available energy information
 - Cooperation between all relevant energy market players countries, organizations and the industry.
- Ultimate goal is to achieve global energy markets data transparency.
- OPEC & its Member Countries will continue their strong commitment towards JODI, particularly focusing on oil & gas data quality as well as supporting the expansion of the Initiative to cover other energy commodities.

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Thank You.



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