



Energy Data Transparency Beyond Oil & Gas

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- JODI
 - Current status
 - Challenges & improvements
 - Priorities
- Energy data transparency
 - Importance
 - Future focuses & the role of JODI
- Conclusions



The early days & the need for data

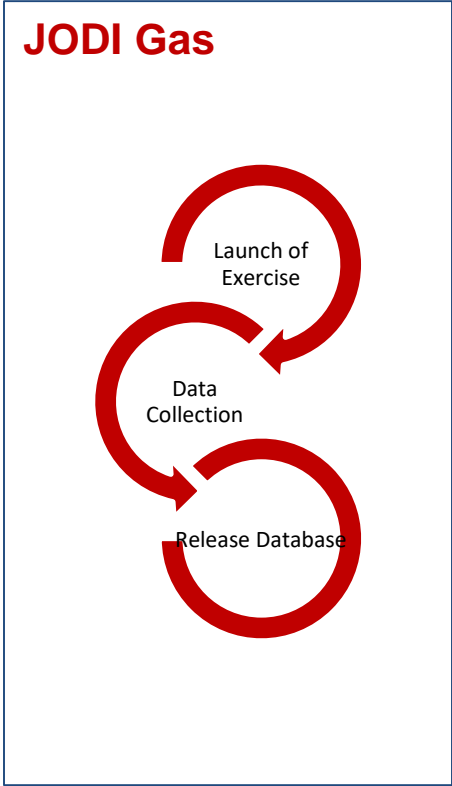
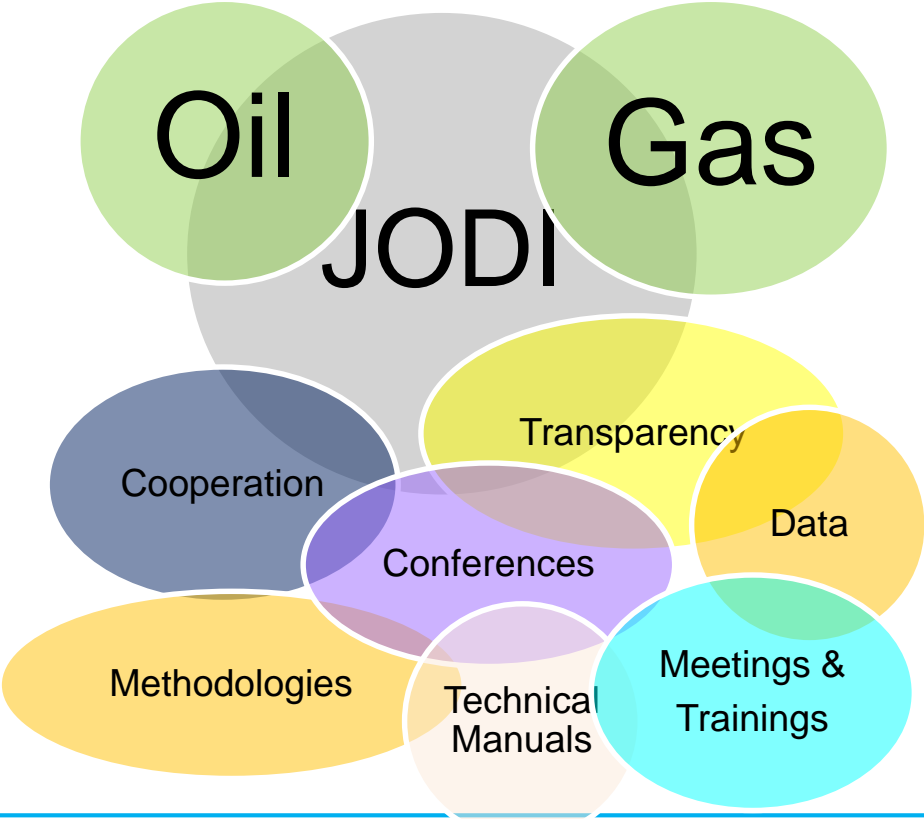
7th IEF Meeting in Riyadh 2000

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

Launching of Joint Oil Data Exercise (JODE)

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

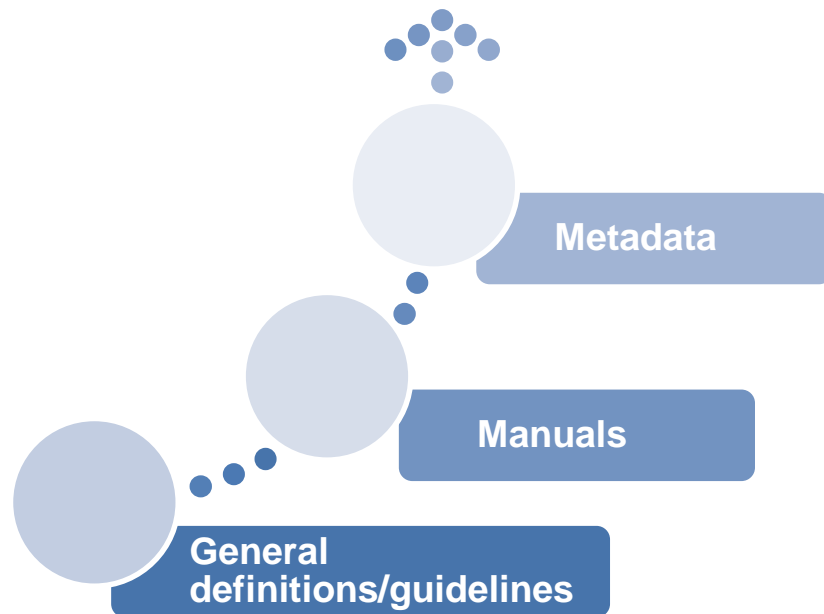
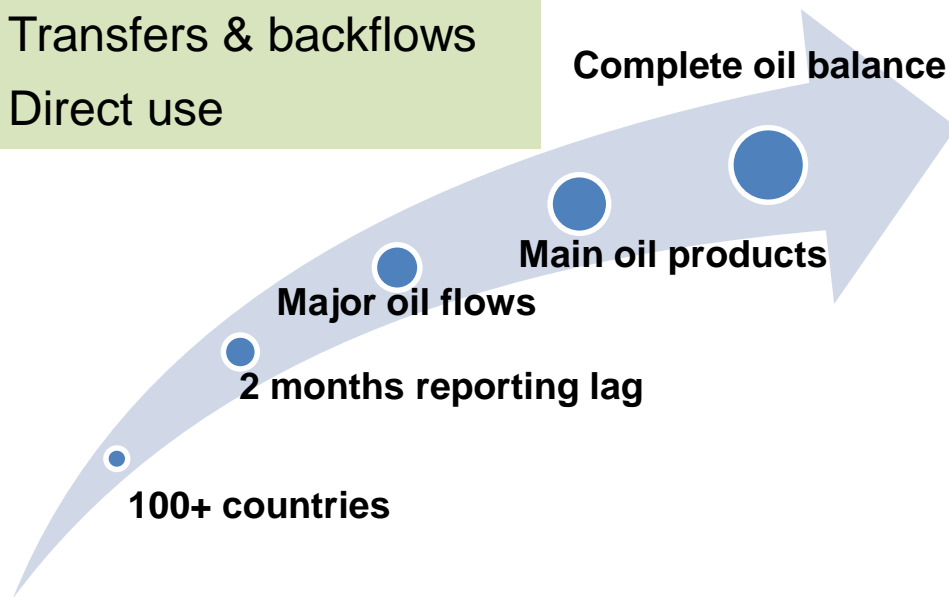
JODI is far beyond data



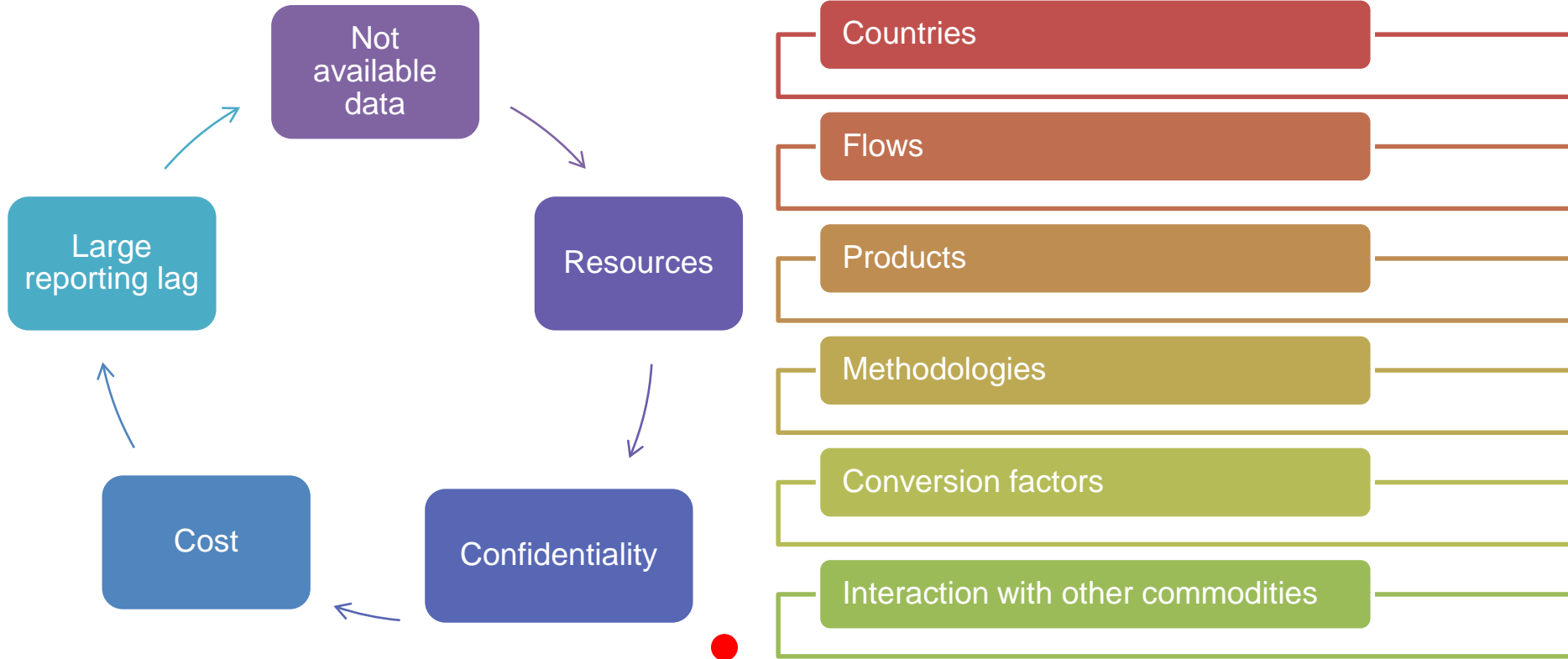
JODI oil data generally at good quality but...



- NGLs
- Naptha
- Transfers & backflows
- Direct use



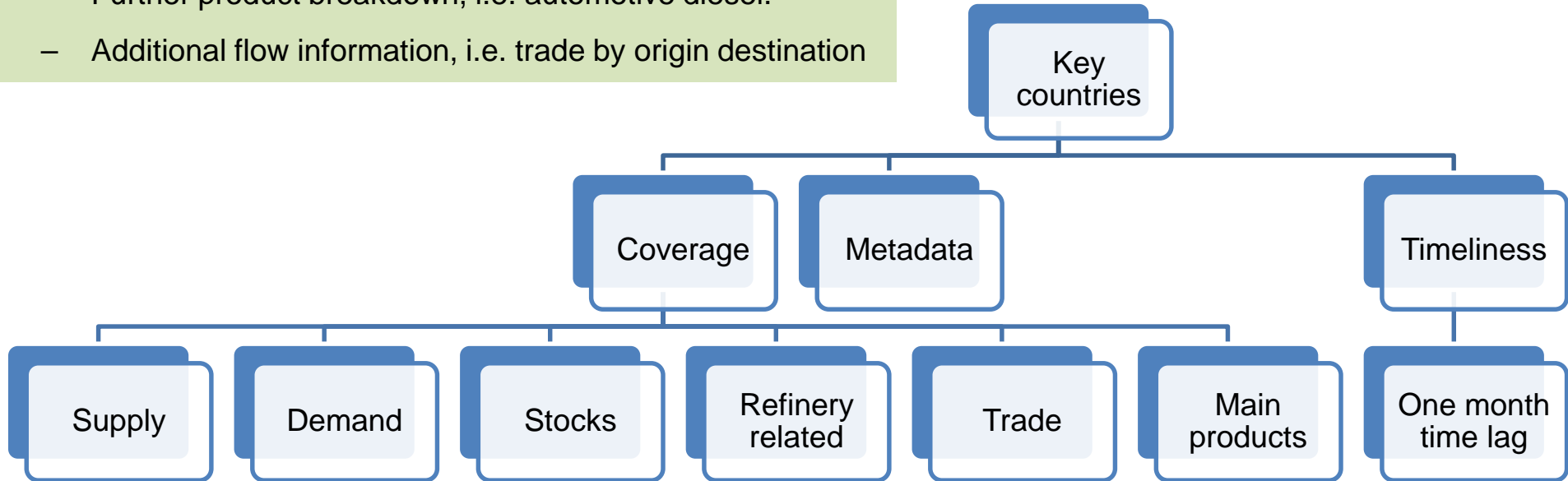
there are still challenges ahead



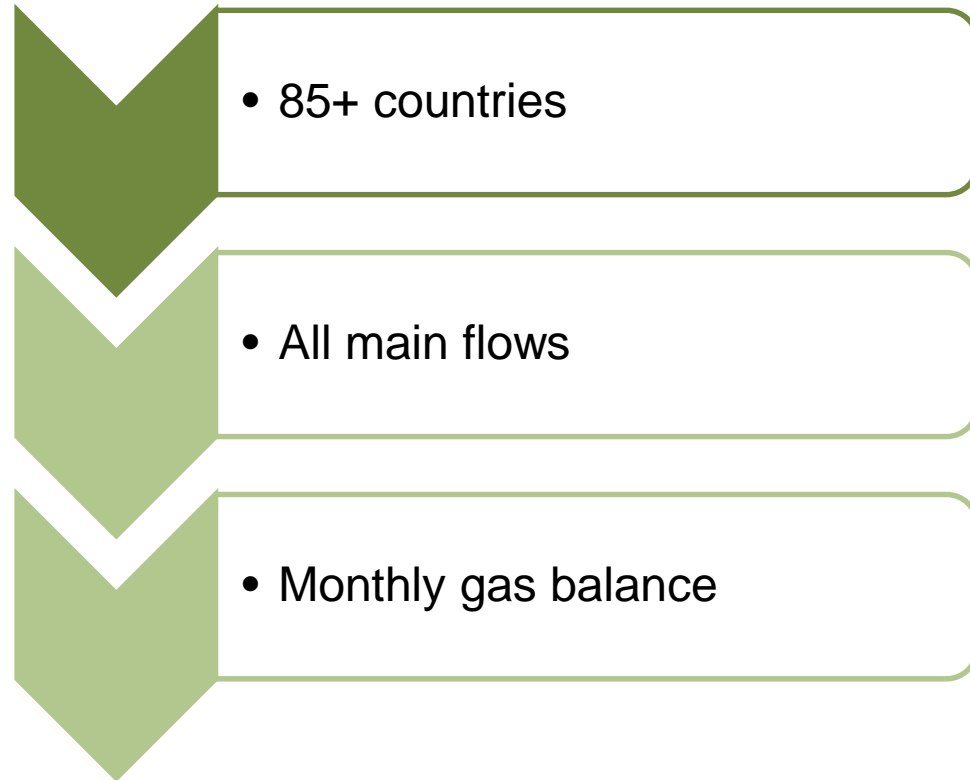
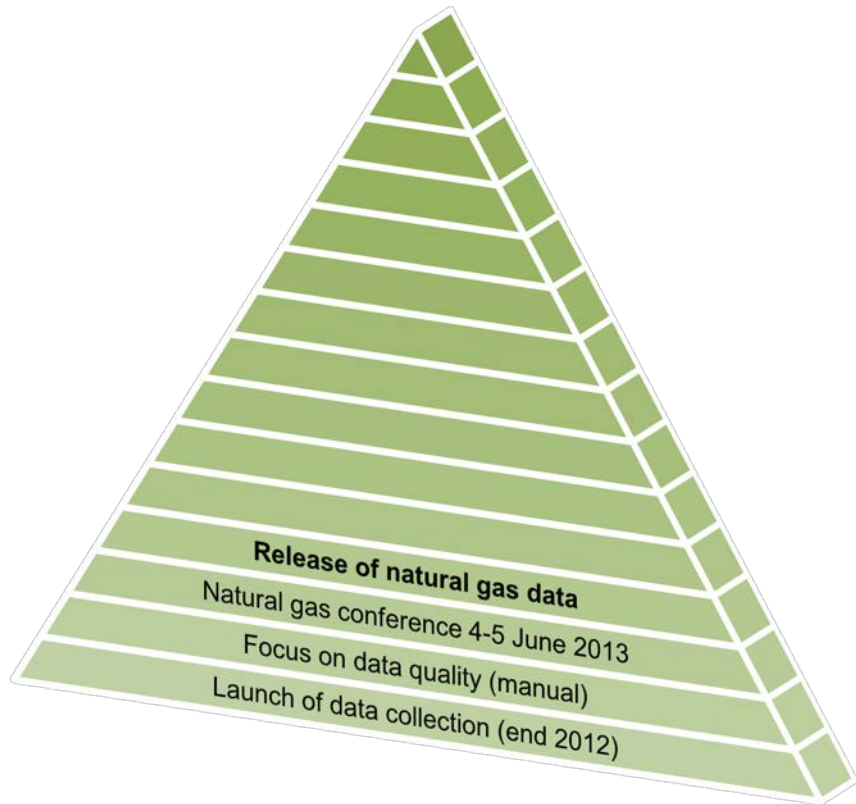
Setting priorities is key for improvement



- Possible expansions
 - Further product breakdown, i.e. automotive diesel.
 - Additional flow information, i.e. trade by origin destination



JODI gas at early stages as compared to oil





Similar challenges to oil during early times

- Priorities similar to those for oil towards improvements



Smaller number of data points



Less interaction with other commodities



Methodology



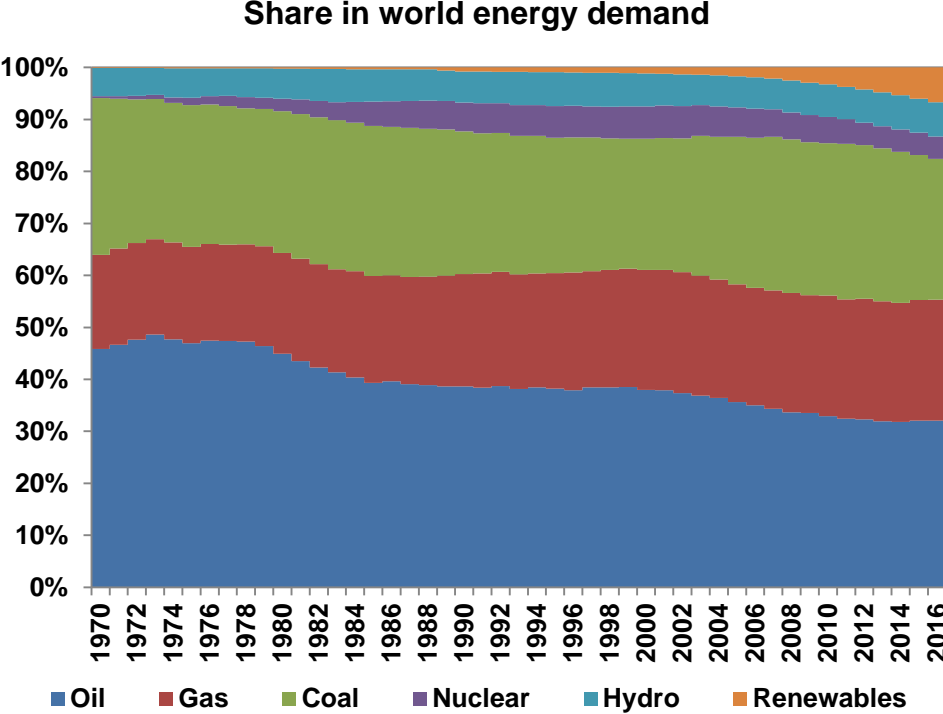
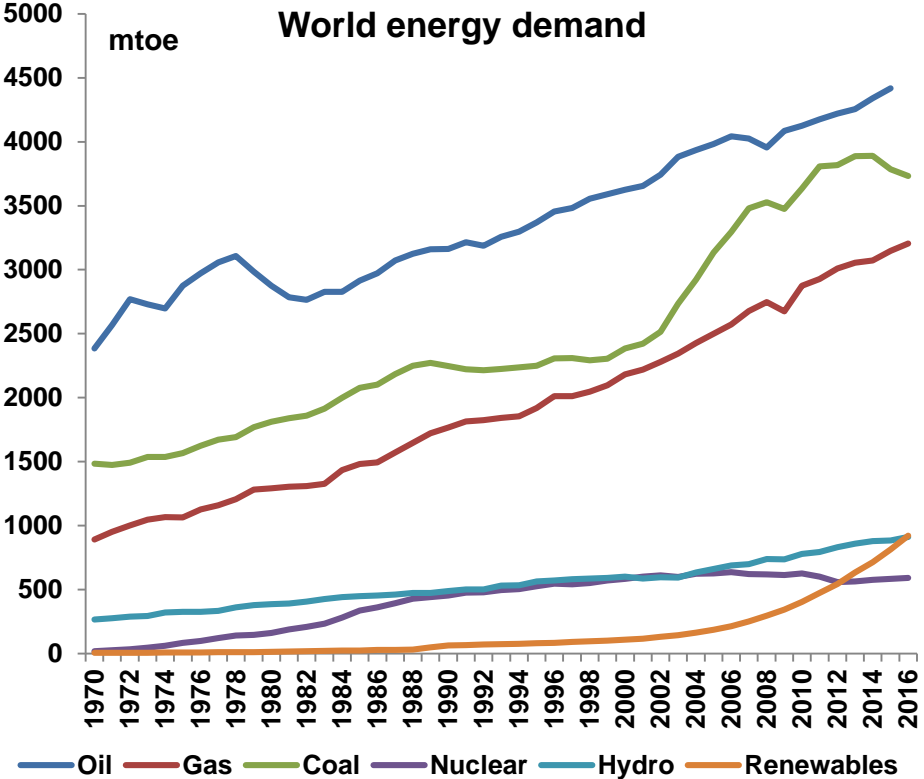
Metadata



Trade & transportation data



Importance of transparency for all commodities

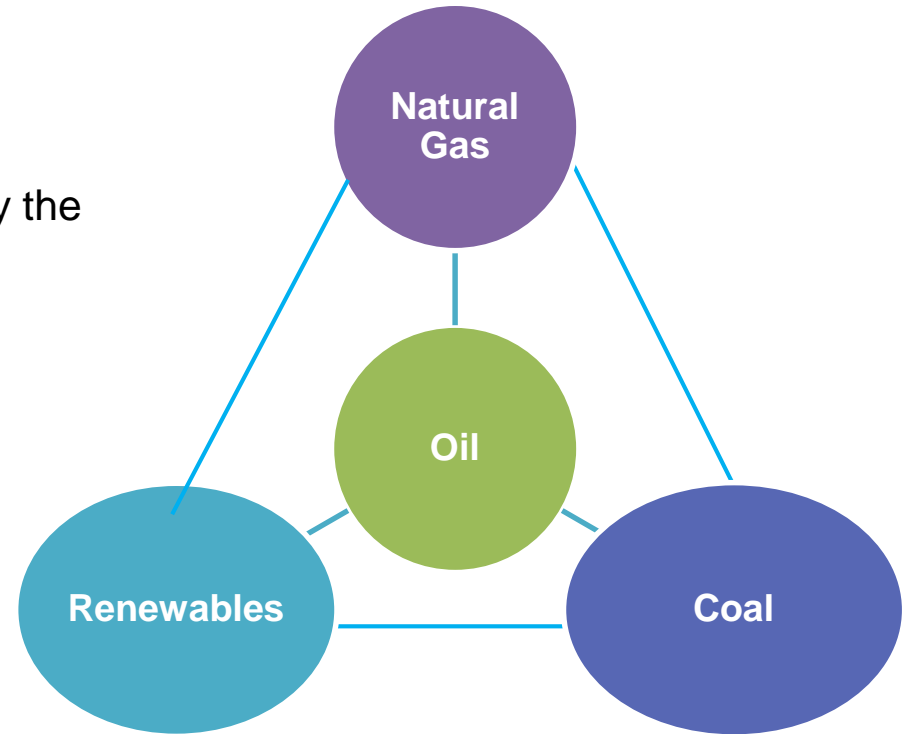


Source: BP Statistical Review of World Energy 2017

Increasing interaction of energy commodities



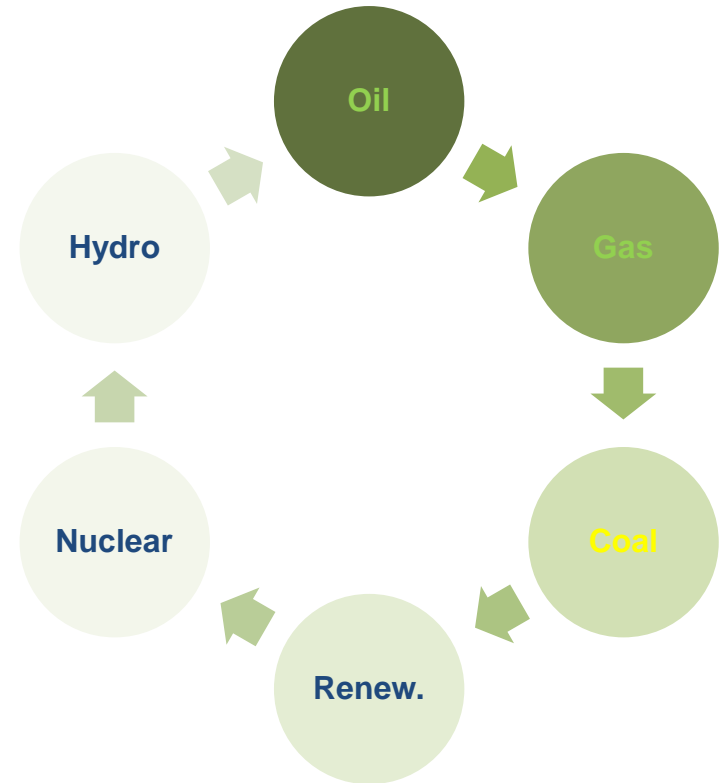
- Natural gas & oil
 - Primary side (NGLs)
 - Secondary side (all products, specifically the lighter, LPG, naphtha, NGLs)
 - Petrochemical industry
- Renewables & oil
 - Commingled with petroleum products
- Coal & oil
 - Feedstocks & oxygenates
- Oil, coal & gas with electricity generation



Ideas for future focus



- Natural gas & oil:
 - Well established JODI initiatives
 - Monthly detailed data available
- Natural gas & oil lacking transparency without data from other energy commodities
 - Transformation
 - Substitution
- Coal: Need for more granular data identified
 - Work already established within JODI
- Other energy commodities: Similarly important





- JODI could contribute substantially
 - Strengthening global producer-consumer cooperation and dialogue
 - Well-established
 - All major stakeholders participating
 - Extensive experience & know-how thru oil & gas initiatives

- **JODI as an essential tool for improving overall transparency in the energy markets**



- Transparency for oil & gas can only be completed thru those of other energy commodities
 - Interaction expected to further increase
- JODI
 - Succeeded in establishing oil & gas initiatives
 - An essential tool for improving overall transparency in the energy markets
- OPEC & its Member Countries will continue their strong commitment towards JODI & particularly enhancing the expansion of the Initiative to cover also other energy commodities beyond oil & gas

Joint Organizations Data Initiative (JODI)

13th International Conference, 10-11 October 2017 London, UK



Thank You.



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