

The producer-consumer dialogue: insights into the conversation



Aldo Flores-Quiroga
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Contents

1. Assumptions

2. Possible futures

3. Current adjustments

- Natural gas in Asia

	Known	Unknown
<p>Are you sure?</p> <p>Why?</p>	<ul style="list-style-type: none"> • Sufficient oil and gas reserves to meet demand • Demand is not where supply is found –for the most part 	<ul style="list-style-type: none"> • Government policy <ul style="list-style-type: none"> ○ Energy efficiency ○ Environment • Technological change <ul style="list-style-type: none"> ○ Transportation ○ Power generation
	<ul style="list-style-type: none"> • Asia energy demand will continue to grow faster than the rest of the world • OECD energy demand remains flat • Japan and Germany are not going back to nuclear • North American oil and gas output is profitable and environmentally friendly 	<ul style="list-style-type: none"> • Geopolitical developments

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Where the new action is:

**Asian demand
and
unconventional oil and gas supply
...and trade**

Figure 12. Long-term GDP Growth Assumptions for Selected Regions

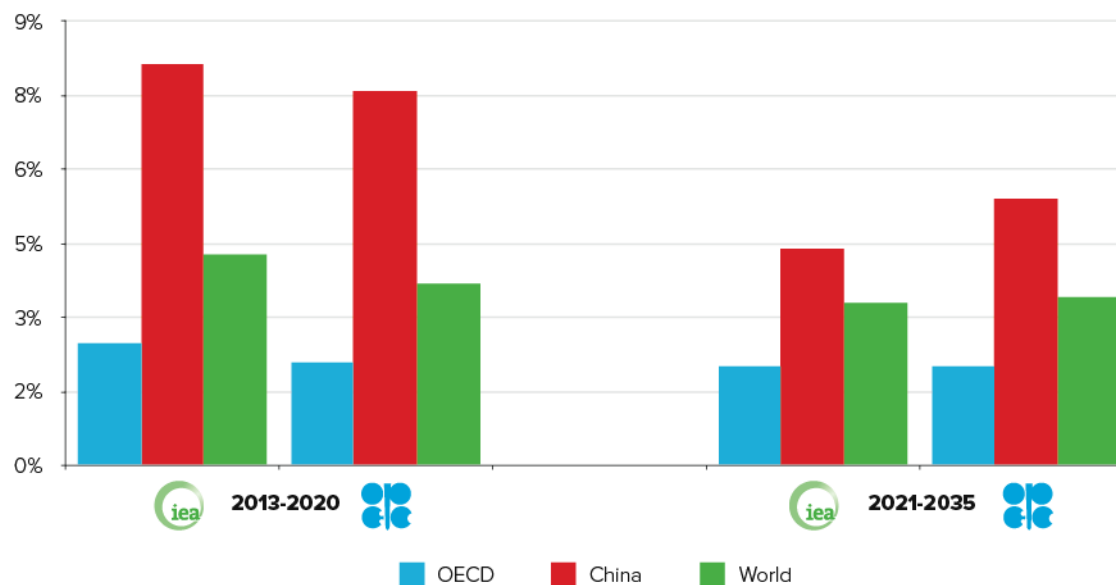
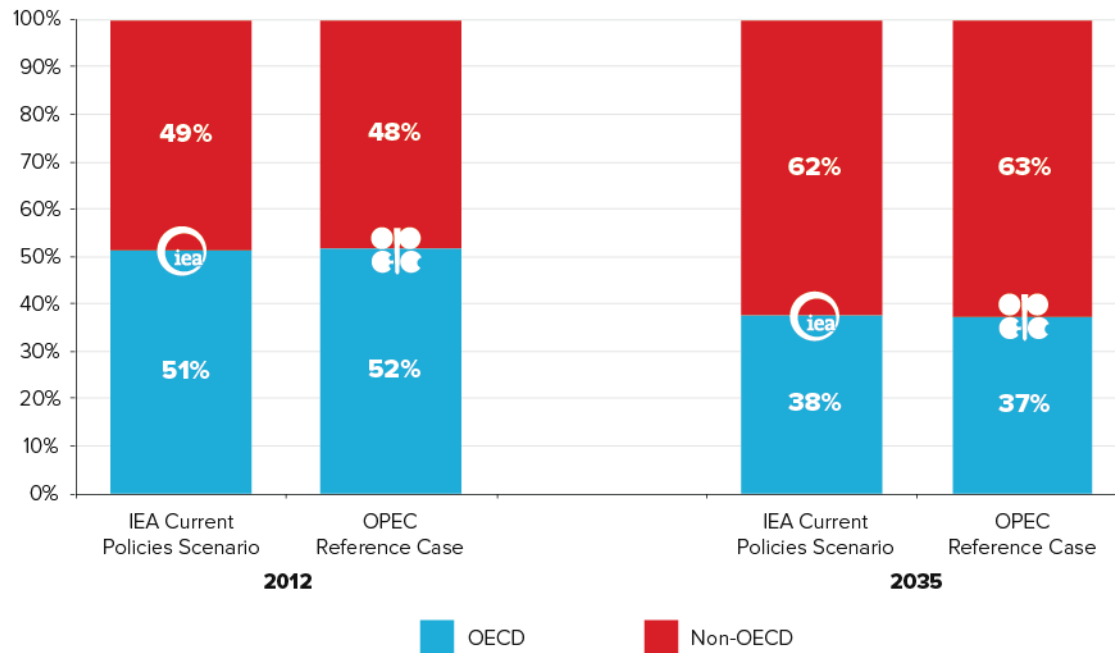
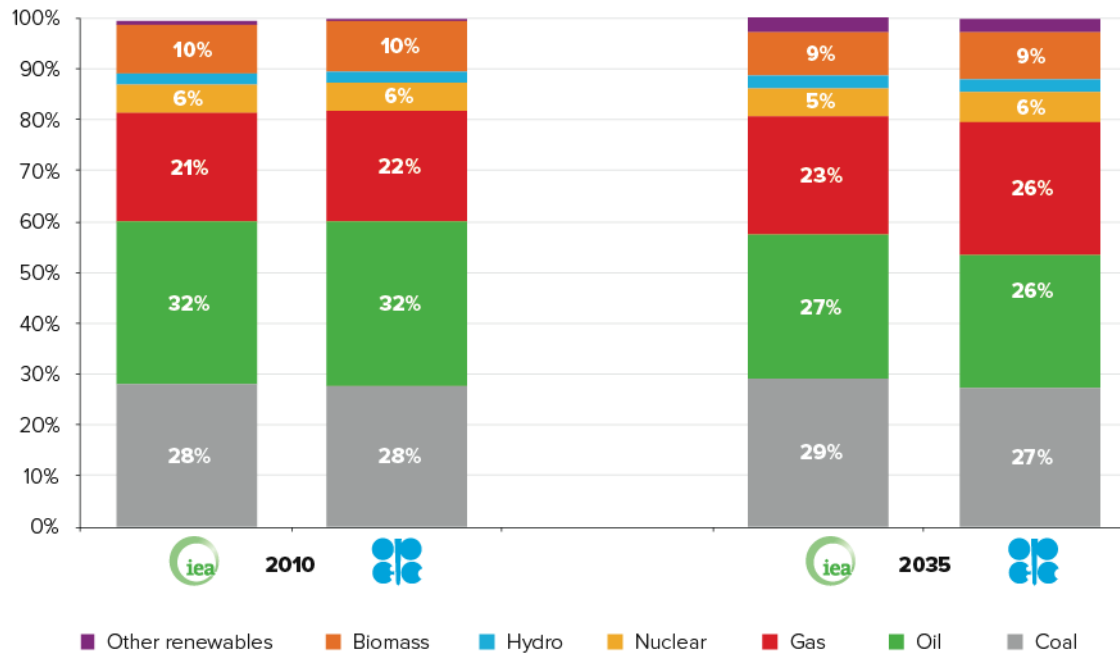


Figure 16. OECD and Non-OECD Shares of Liquids Demand in 2012 and Outlook for 2035.



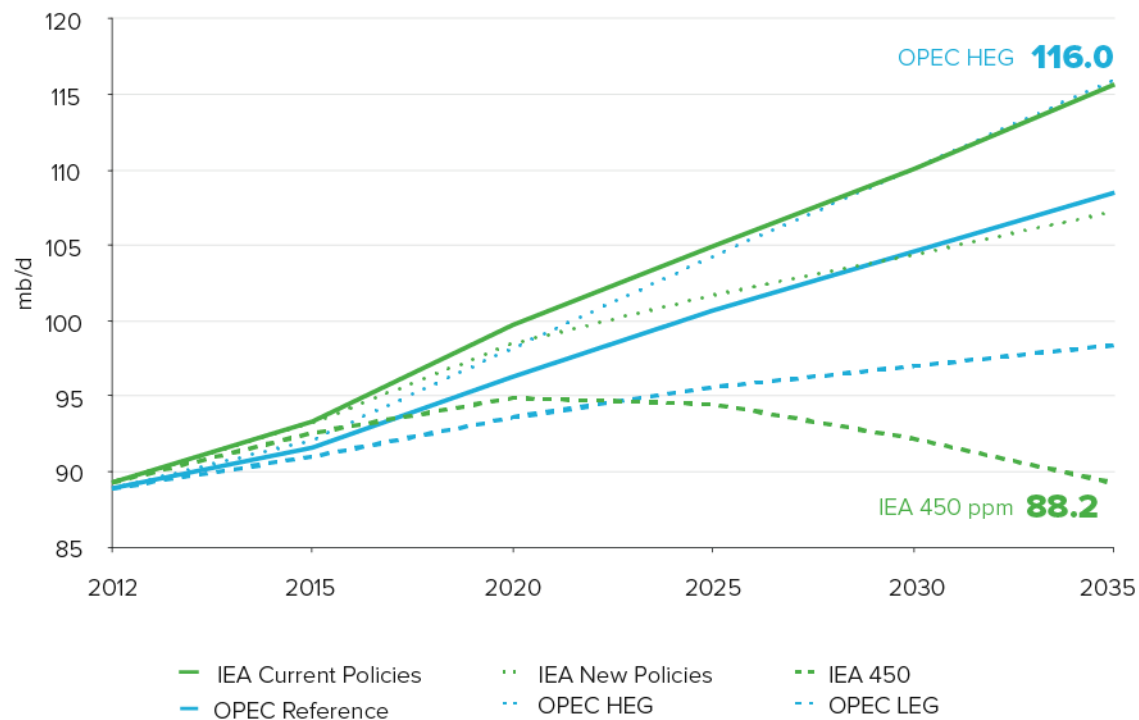
It's about what happens outside the OECD

Figure 15. World Primary Energy Fuel Shares in 2010 and Outlook for 2035



It's about the
share of natural
gas

Figure 17. World Liquids Demand Projections in Various Scenarios



It depends on
what you
assume about:

- Economic growth
- Technology
- Policies
- Call on OPEC crude

Figure 19. 2035 Liquids Supply Outlook in Different Scenarios

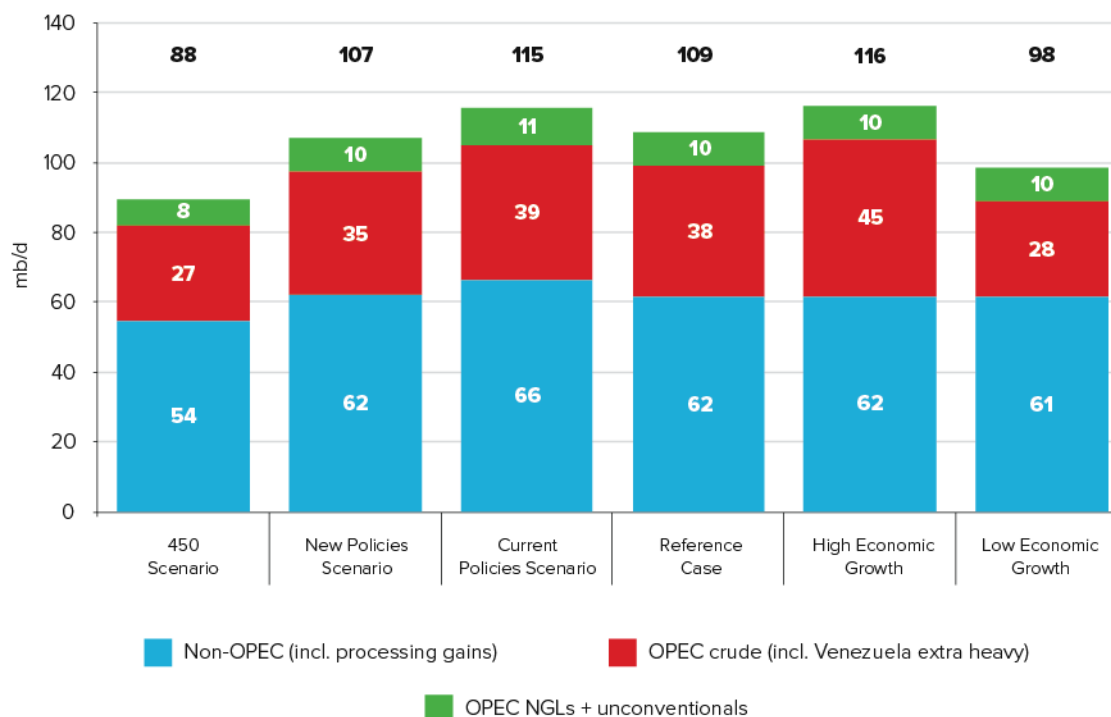
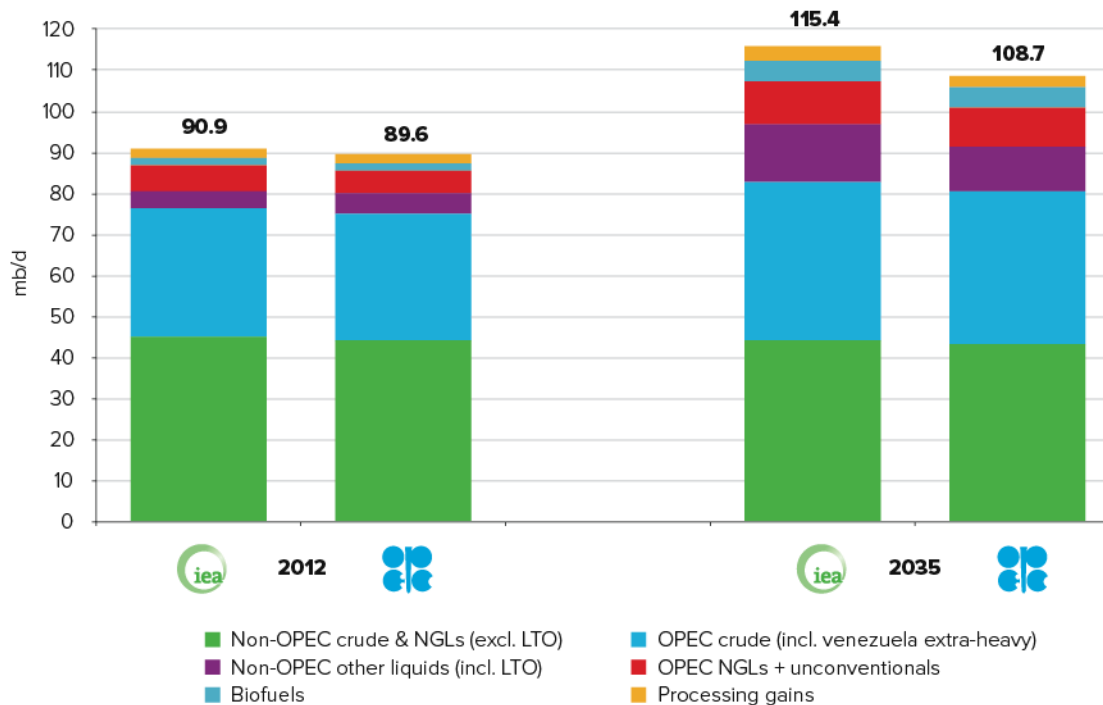


Figure 18. Liquids Supply Sources in 2012 and Outlook for 2035



In the central scenarios it's about unconventional and NGLs

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Four main consumer and producer strategies around natural gas

Consumers	Producers
1. Size and composition of market	
2. Vertical integration	
3. Competition and contracts	
4. Cooperation and partnerships	

Asia: examples of consumer and producer strategies

	Consumers	Producers
1. Size and composition of market	<ul style="list-style-type: none">• Improve operational capability to receive all LNG grades• Develop various gas demand types• Procure through a single aggregator	<ul style="list-style-type: none">• Improve operational capability to provide all LNG grades• Develop various gas supply types
2. Vertical integration	<ul style="list-style-type: none">• Expand participation in upstream segment• Expand participation throughout LNG value chain	<ul style="list-style-type: none">• Expand participation in downstream segment• Expand participation throughout LNG value chain
3. Competition and contracts	<ul style="list-style-type: none">• Diversify supply sources by geography and substitutes• Remove destination restrictions• Review and diversify contract types• Develop spot markets	<ul style="list-style-type: none">• Diversify demand sources by geography• Keep destination restrictions• Keep long-term contracts
4. Cooperation and partnerships	<ul style="list-style-type: none">• Create multilateral study group	<ul style="list-style-type: none">• Experience sharing through GECF• Signaling and awareness campaigns

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Concluding remarks

If you think energy transitions are slow, dialogue transitions might be just as slow, but there is progress!

- 1991 Dialogue starts
- 2003 Institutionalization and JODI as a centerpiece
- 2005 Permanent home in Riyadh
- 2008 Dialogue identifies energy outlooks and the interaction of physical and financial markets as key issues
- 2011 IEF Charter and conversations on outlooks and price formation
- 2013 Key areas where outlooks can be made comparable
- 2014 **Dialogue extends JODI-Oil to JODI-Gas!**