

"To review the perspectives and strategies for the natural gas

"To inform the discussion about the role of natural gas in a

The genesis of this report:

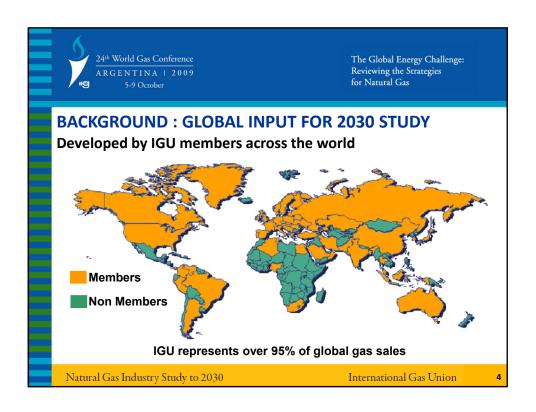
- a 3-year project, with input from the IGU Committees
- not a Committee report, but represents the view of the whole industry

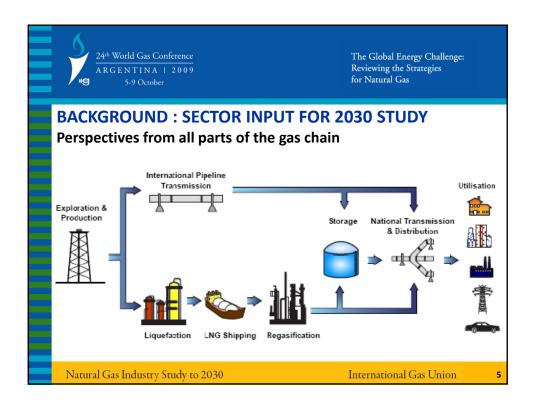
Natural Gas Industry Study to 2030

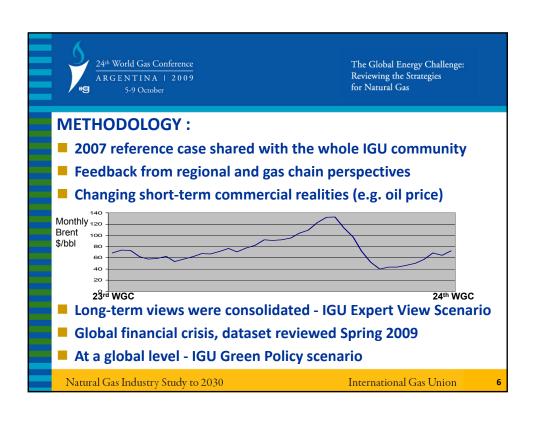
International Gas Union

The Global Energy Challenge: Reviewing the Strategies

for Natural Gas

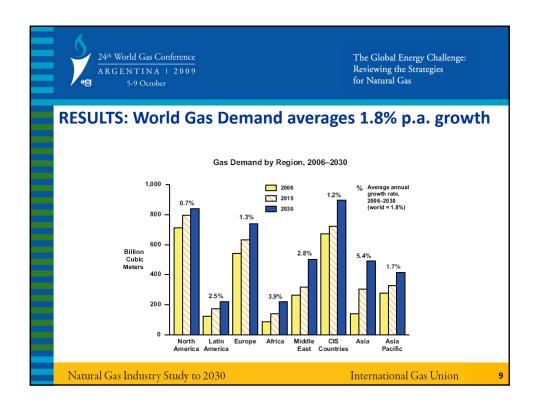


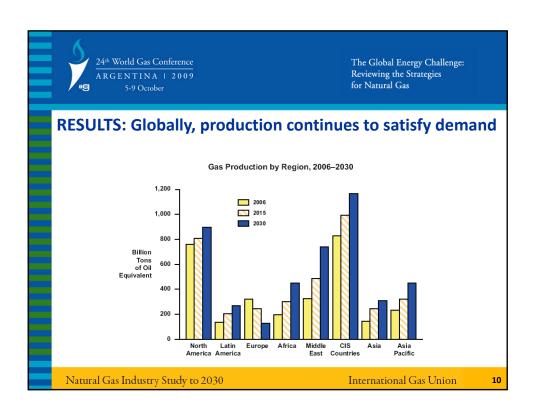


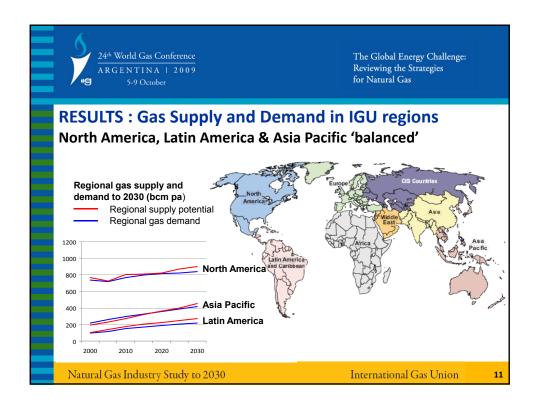


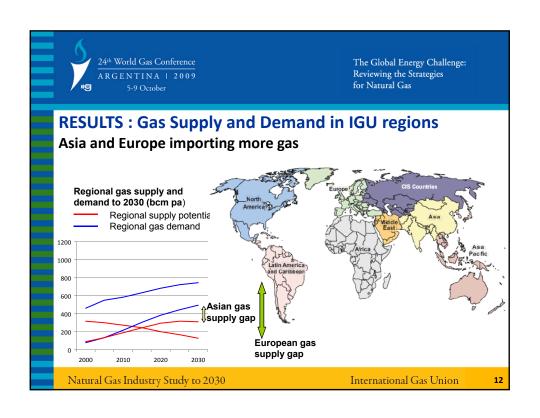


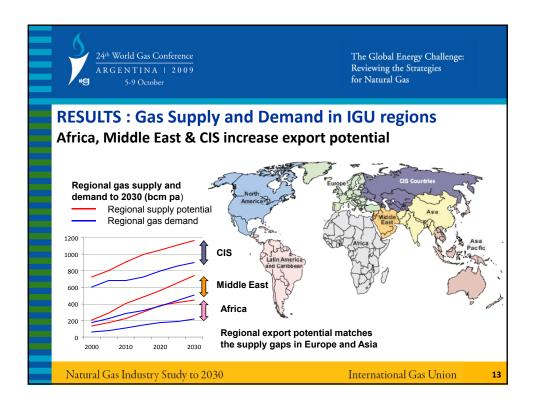


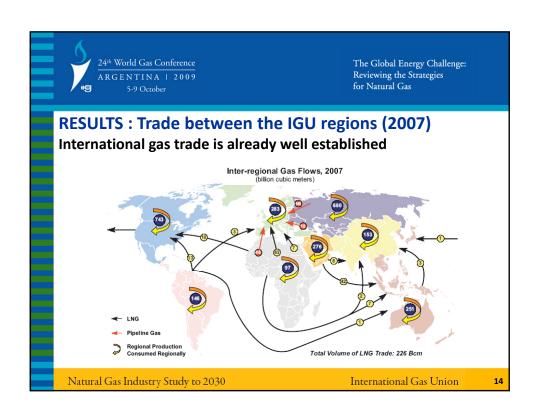


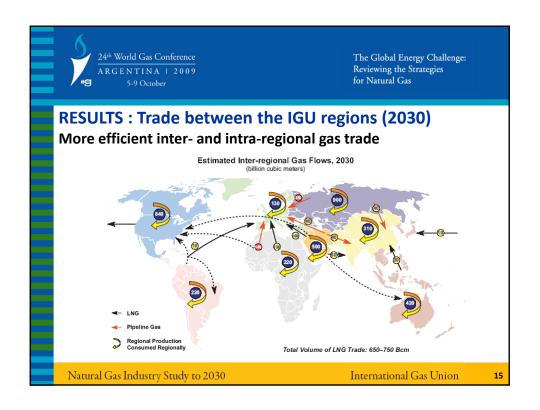


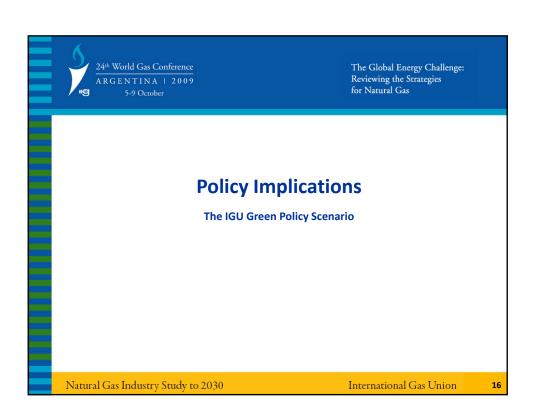


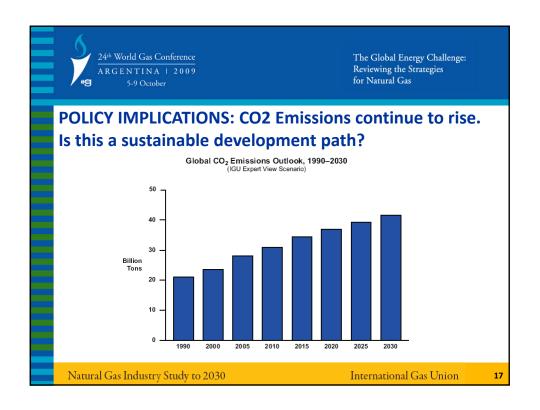


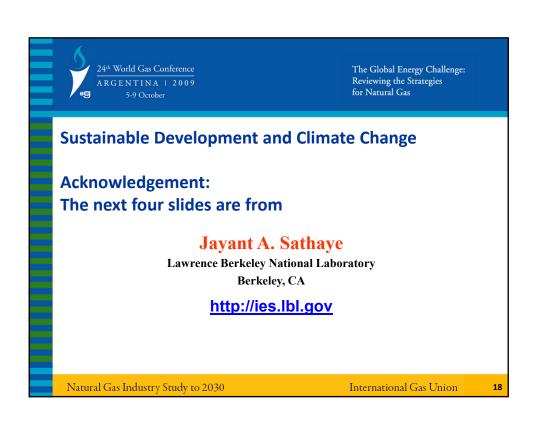


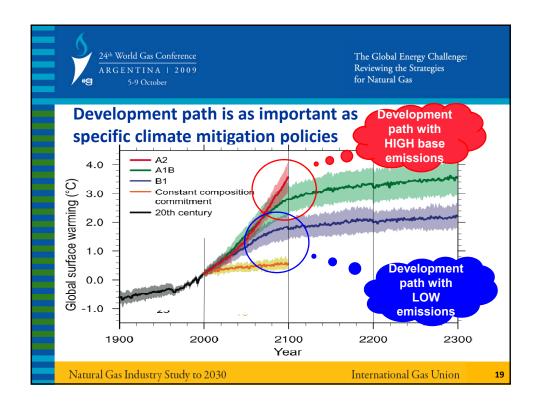


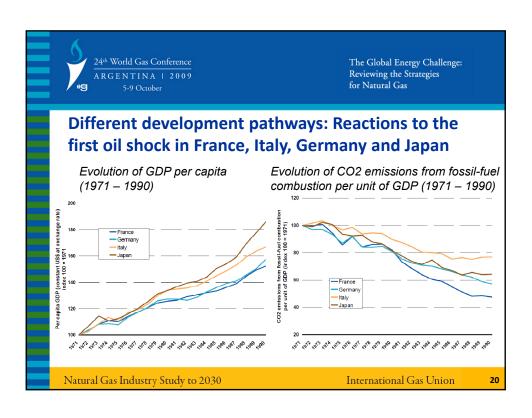


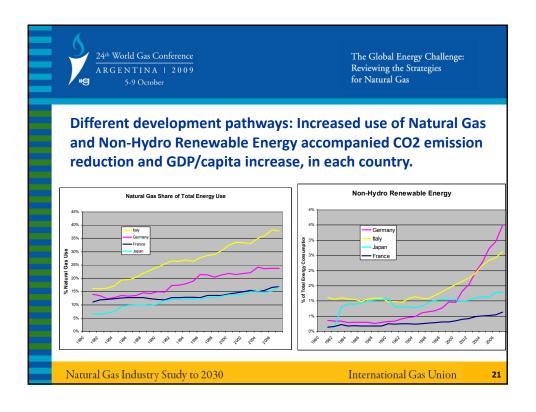


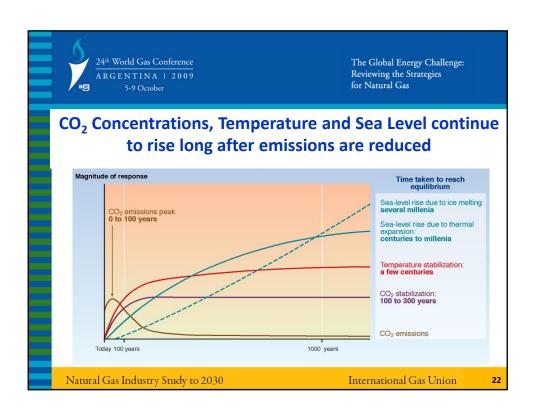




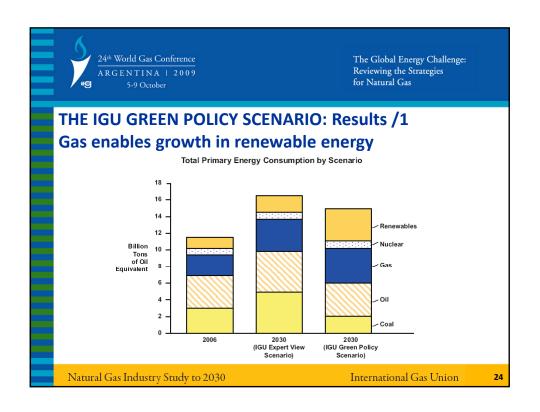


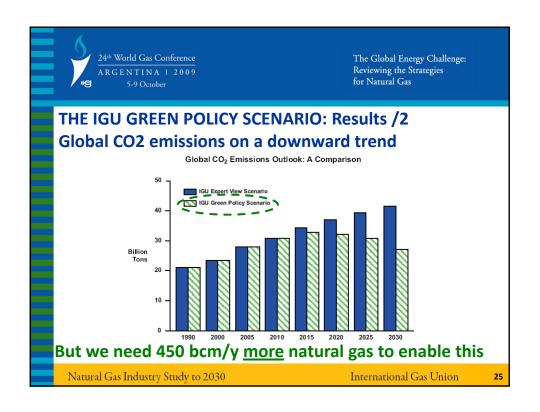


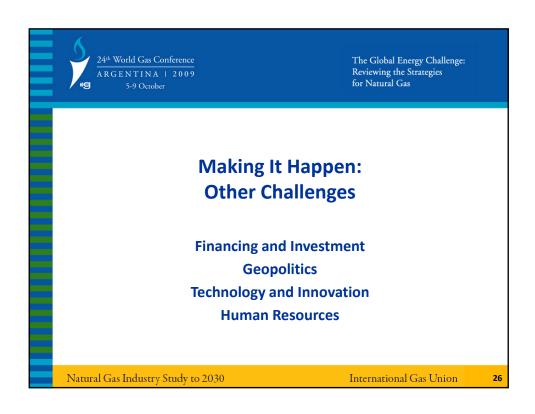




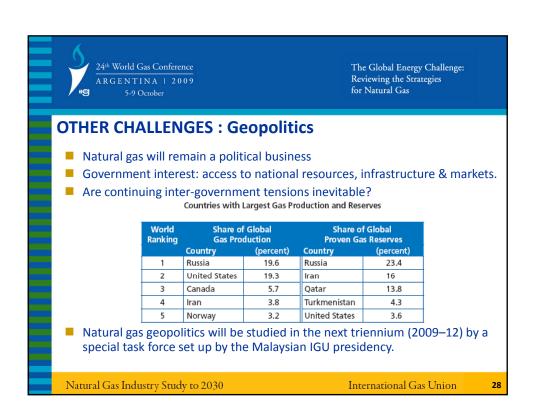














The Global Energy Challenge: Reviewing the Strategies for Natural Gas

OTHER CHALLENGES: Technology and Innovation

- Widening the Horizon for Gas Resources
 - Broaden production capabilities, the shale revolution
- Responding to Environmental Imperatives
 - Integrating gas industry capabilities to enable CO2 capture and storage, incorporate biogas expansion, etc...
- Technology Alone Is Not Enough
 - Advancement and wider use of CHP, including hybrid systems and natural gas fuel cells, but cost of gas grid for developing countries can be a barrier
- Encouraging Technological Transfer
 - With increased trade, fair and efficient technology transfer is a key issue for political leaders and gas industry management

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OTHER CHALLENGES: Human Resources

- Public perception. Is natural gas perceived alongside oil, as a 'sunset industry', rather than a 'sunrise industry' that complements newer and environmentally friendly energy sources?
- Career perceptions. Does the industry offer good prospects for career growth and advancement?
- Industry expertise. Much was lost through consolidations since the 1980s, how will industry cope with future hiring and layoffs?
- Age of workforce. Why is it among the oldest of any industry?
- Workforce nationalities. International and national consideration?
- Financial crisis. Recruitment and retention complications. (cutbacks both on capital projects and human resource budgets).

Another priority for the Malaysian IGU Presidency (2009-12)

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