

International Gas Union





Natural Gas in a Climate Change Perspective



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24 June 2010, Moscow, Russian Federation

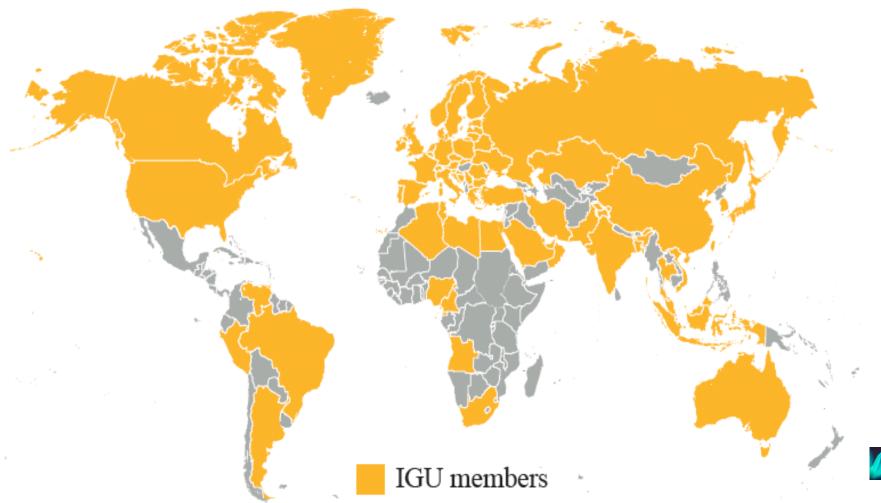




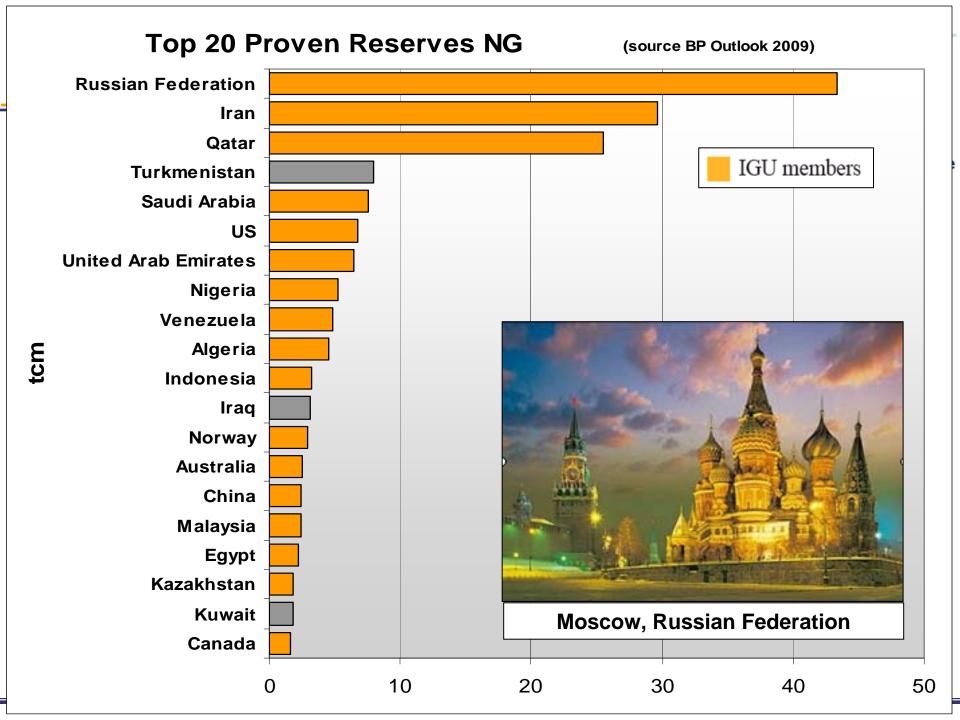
IGU represents around 95% of global gas market

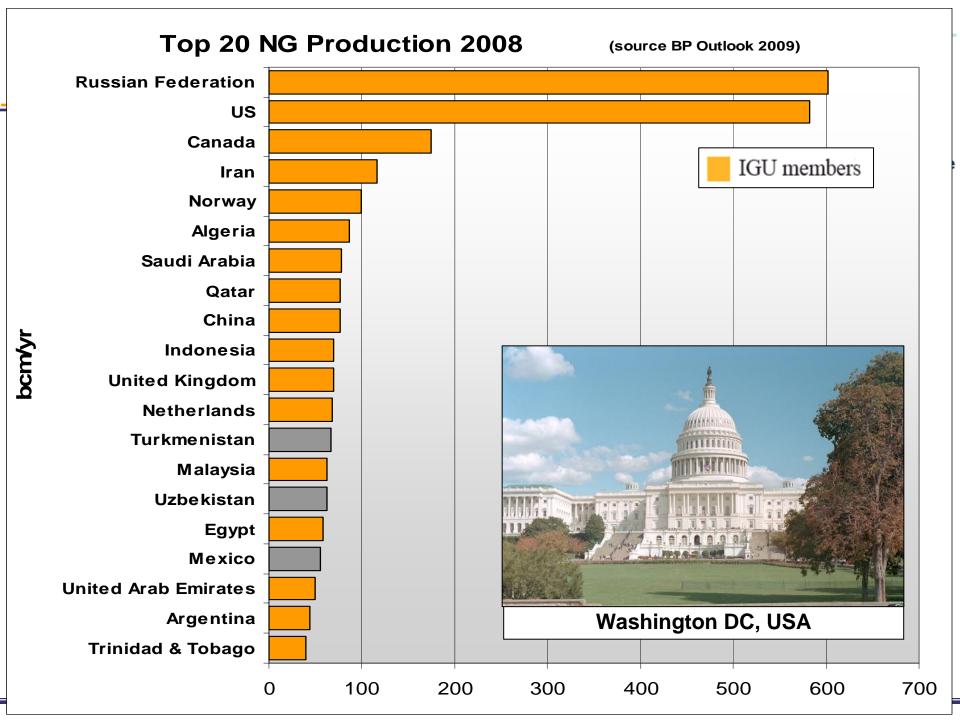
IGU established in 1931













The global energy future



- Rising population from 6 to 9 billion in 2050
- Human strive for a better life
- Technological progress
- Climate change concerns







Messages about gas and climate

News, Views and knowledge on Gas - World Wide

- Cleanest fossil fuel
- Developed and easily transferable technology
- Affordable No large subsidies required
- Mitigate CO2 emissions at low cost
- Enables wind and solar



Gas - part of the climate solution





Renewable energy and Carbon Capture and Storage (CCS)



- CCS, solar and wind power require huge subsidies
- Technology needs further development
- Solar and wind power only works part time

Decades before large impact on GHG emissions

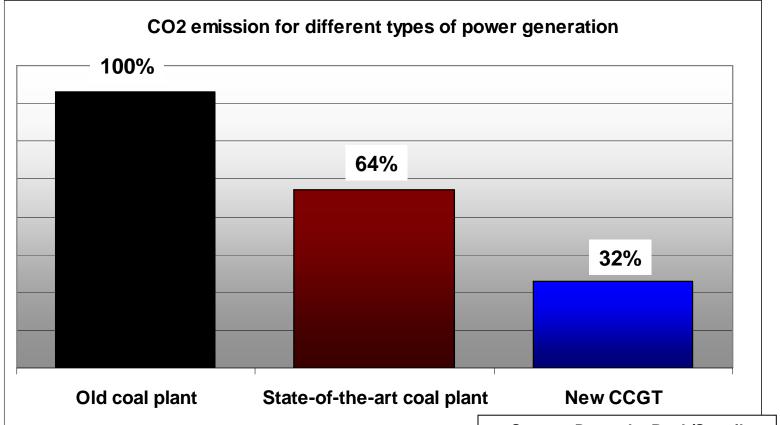




Natural gas in power generation - climate friendly



- Replace coal with gas
- GHG reduction potential

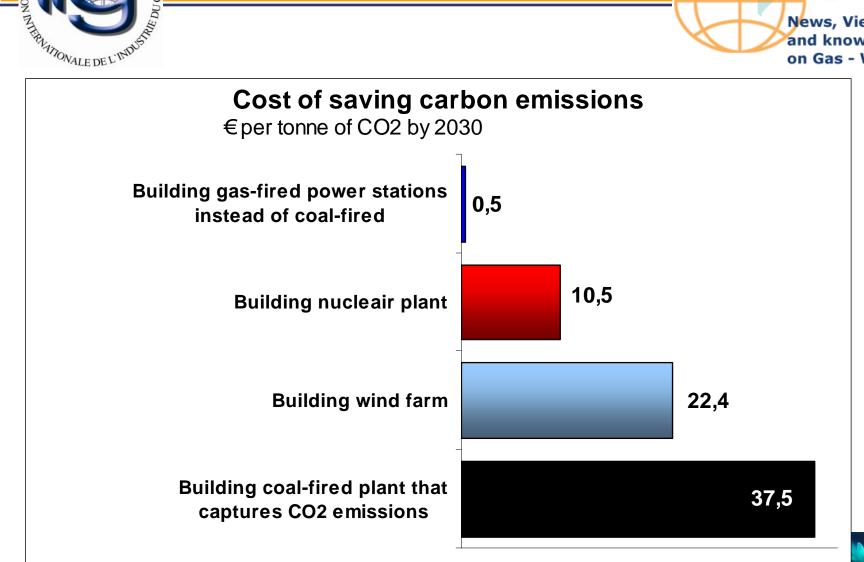




Source: Deutsche Bank/Statoil





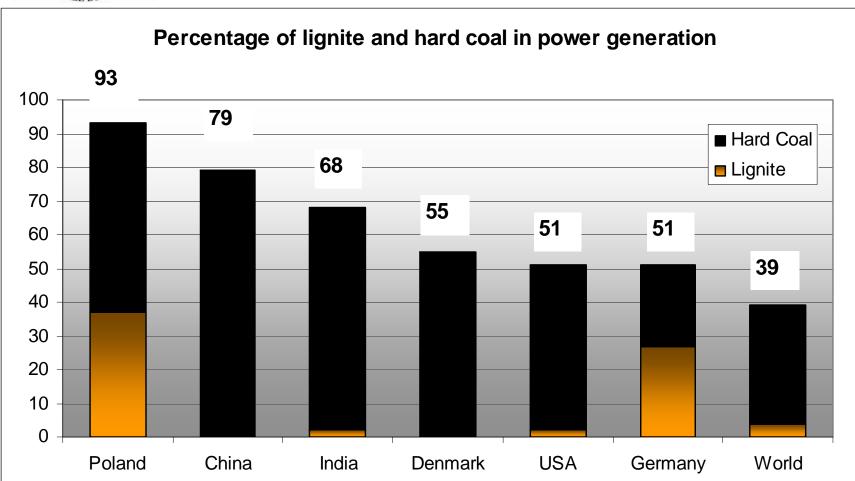




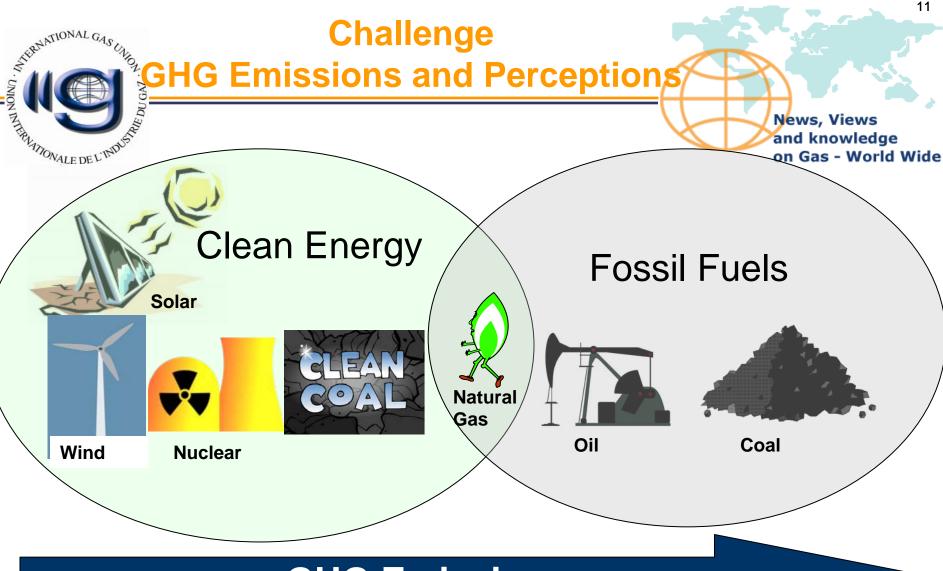


Fuel switching potential









GHG Emissions





Gas market integration



- Demand security
 - Energy policy, climate framework
 - Long term agreements
- Supply security
 - Production and transmission infrastructure
 - Gas storage and LNG terminals

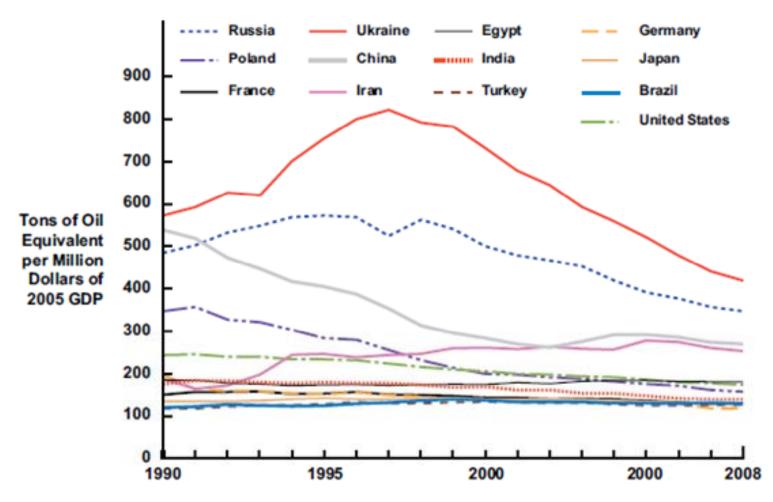






Energy intensity trends...



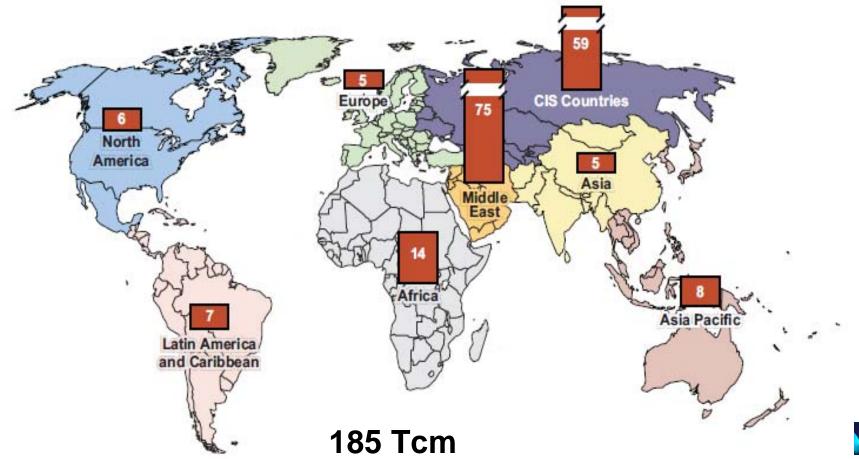






Distribution of proven gas reserves (est 2008)

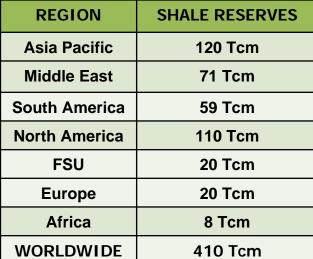








Shale gas reserves





Proven / Probable

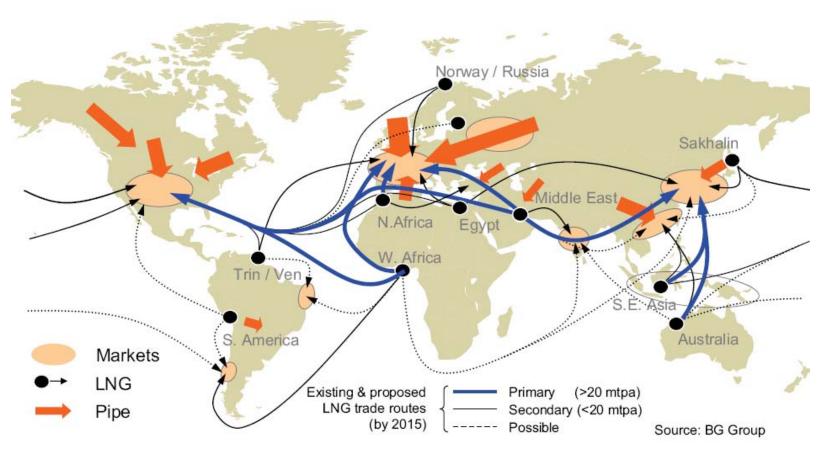
Potential

Source: IEA



Global gas trade enhancing energy security









Strategic Statement 2010



Natural Gas for a Sustainable Energy Future

- promote switching to natural gas in power and industry
- encourage use of natural gas in transportation
- improving efficiency and best practices
- implement relevant policies and regulations enabling the development of gas infrastructure









Networking - Knowledge - Dialogue

The IGU World Gas Conference Buenos Aires 2009 Kuala Lumpur 2012



Co-sponsor of LNG Conferences LNG 16 in Oran, Algeria, April 2010 LNG 17 in Houston, USA, April 2013



News, Views and knowledge

on Gas - World Wide

- Ministerial Gas Forums
 2nd IEF IGU Ministerial Gas Forum, Doha, Qatar, 30 Nov 2010
- The IGU Research Conference IGRC 2011 in Seoul, Korea, October 2011







The IEF-IGU Ministerial Gas Forum



"The Role of Natural Gas in a Sustainable Energy Future"















International Gas Union (IGU)



COP15 Gas Event organised by the IGU

Sunday 13 December 2009, 1500-1830 hrs





Policy messages



- Policy documents to reflect role of natural gas
- Regulations to support infrastructure investments



Gas: Green, abundant, affordable, secure

Gas: Part of the long term energy solution





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