BP Statistical Review of World Energy

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Energy in 2012 – Adapting to a changing world



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Paul Appleby, Head of Energy Economics Ankara, 3rd October



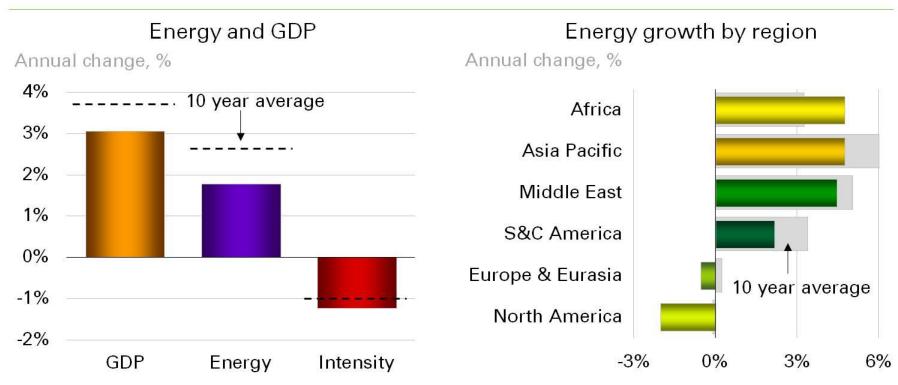
Outline



- Introduction
- 2012 in long-term context
- Fuel by fuel
- Concluding remarks

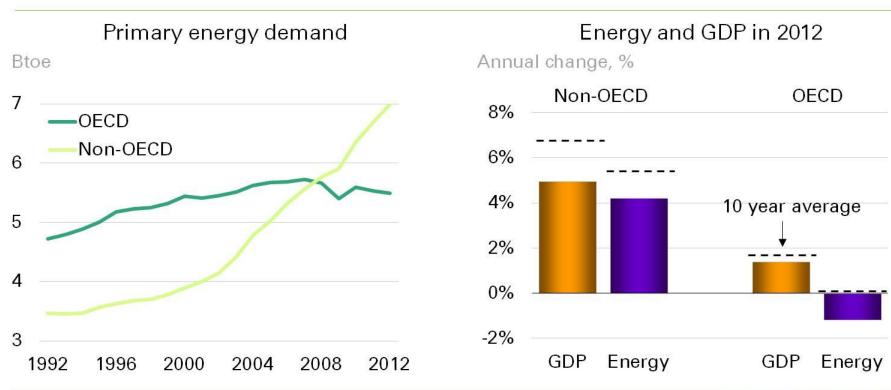
Energy in 2012





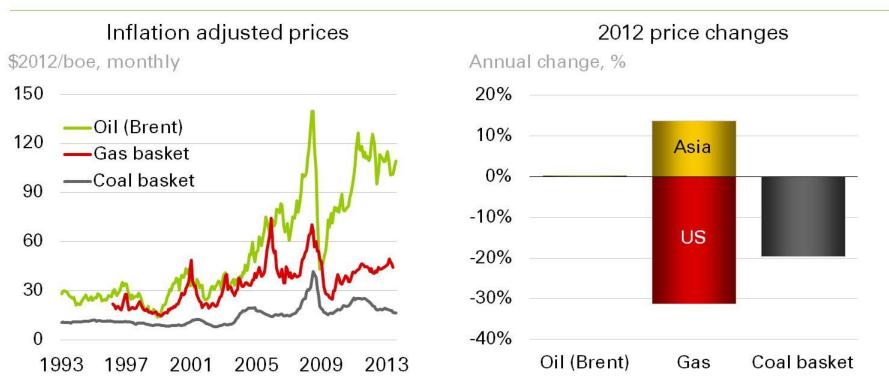
Long-term energy trends





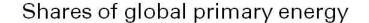
Energy prices

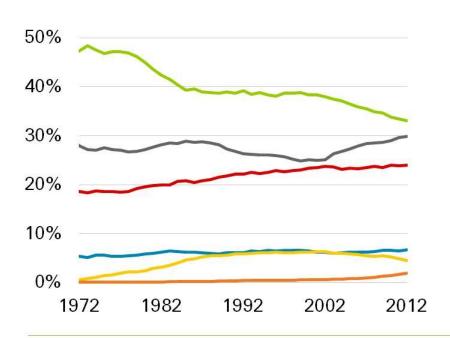




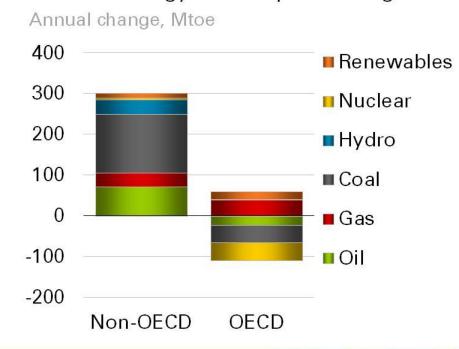
The evolving fuel mix





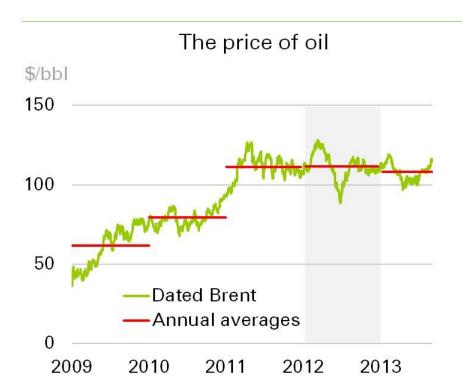


2012 energy consumption changes



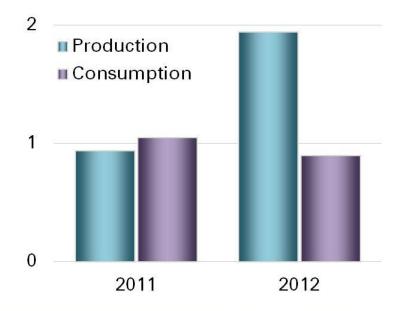
The oil market in 2012





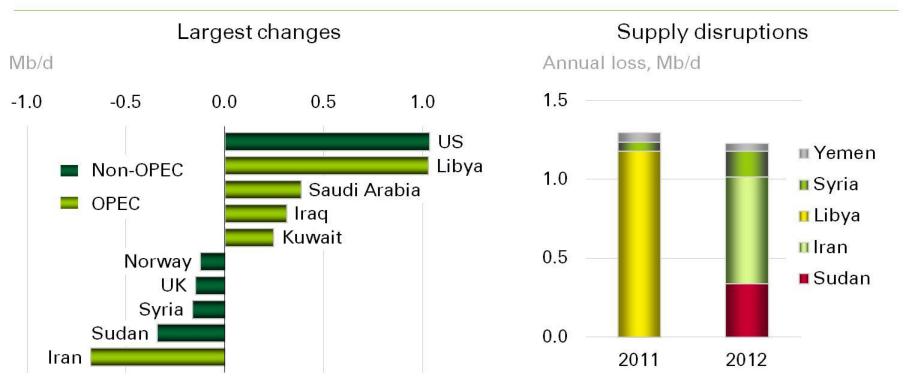
Production and consumption growth

Annual change, Mb/d



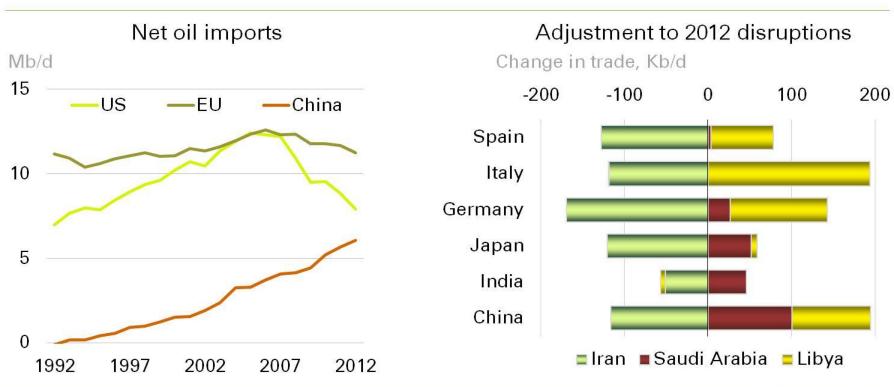
Oil production in 2012





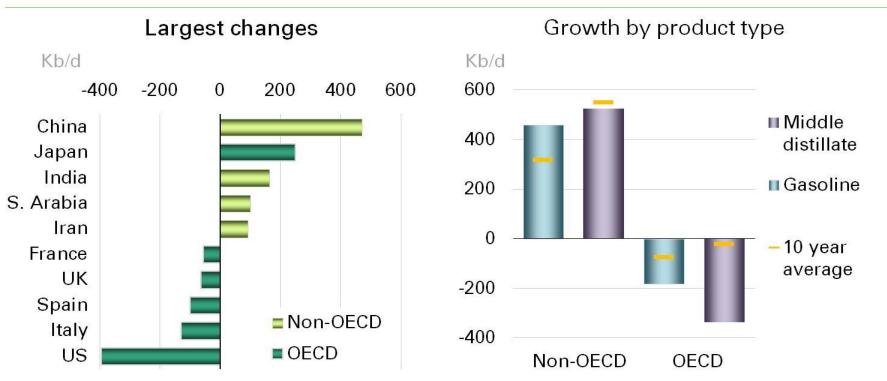
Emerging oil trade patterns





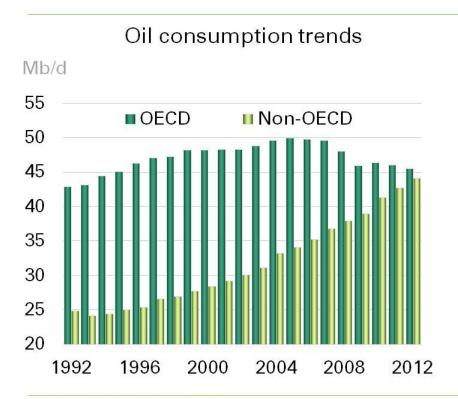
Oil consumption in 2012

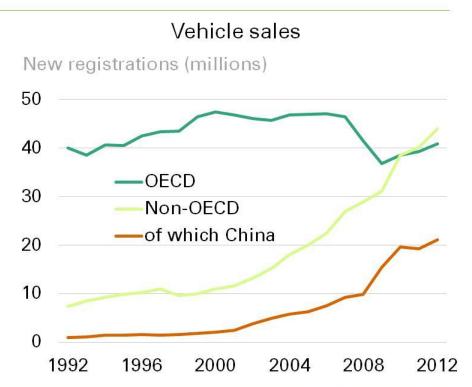




Oil consumption and mobility

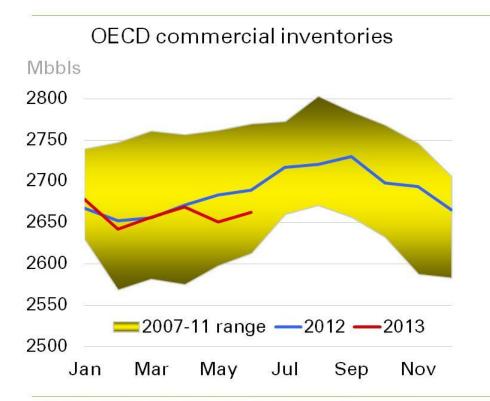






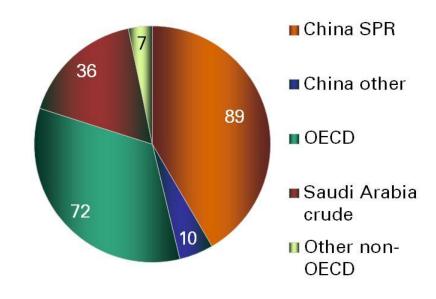
Oil inventories





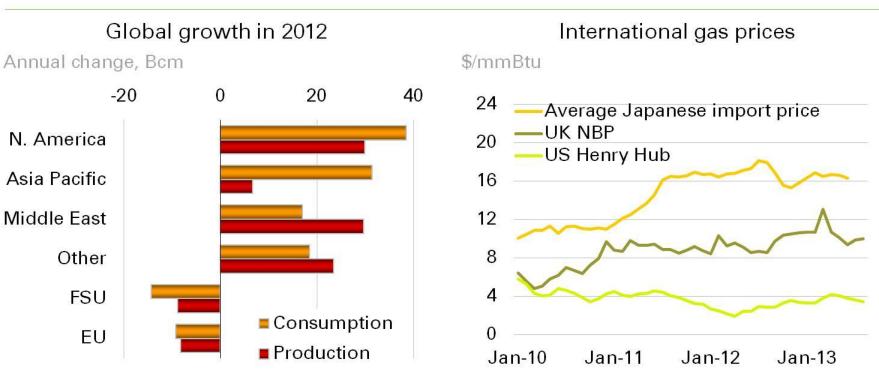
Inventory increases in 2012

Mbbls



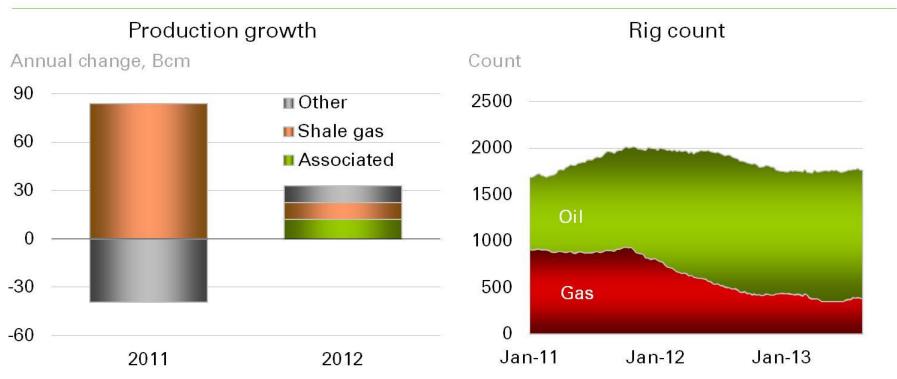






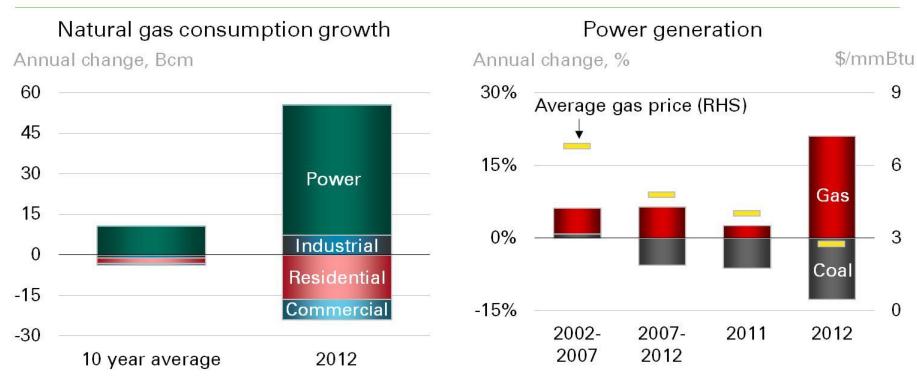






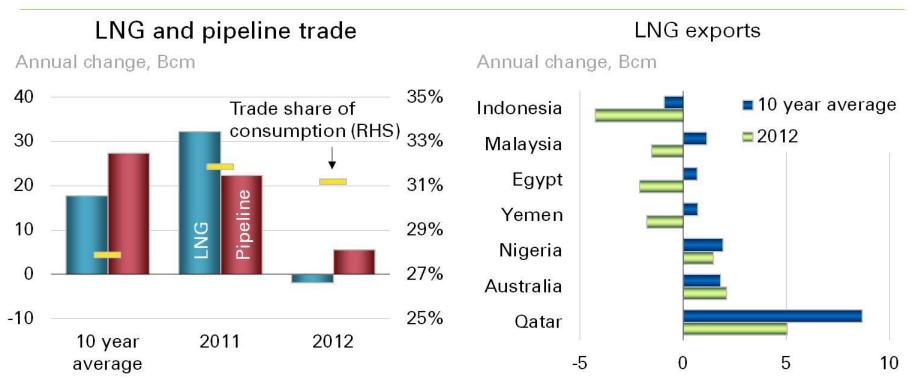






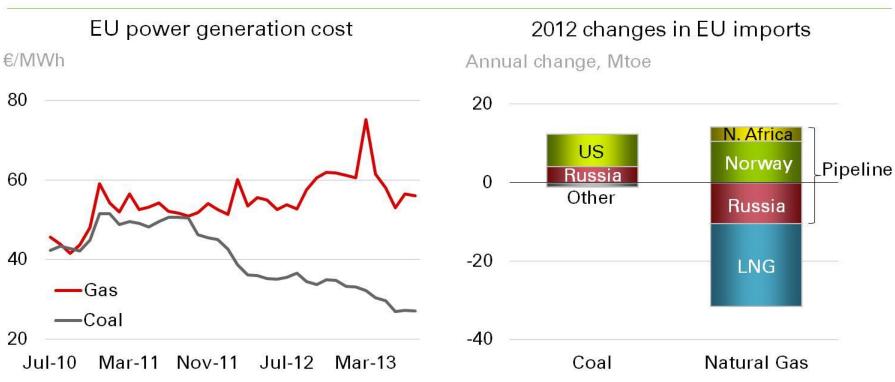
Natural gas trade





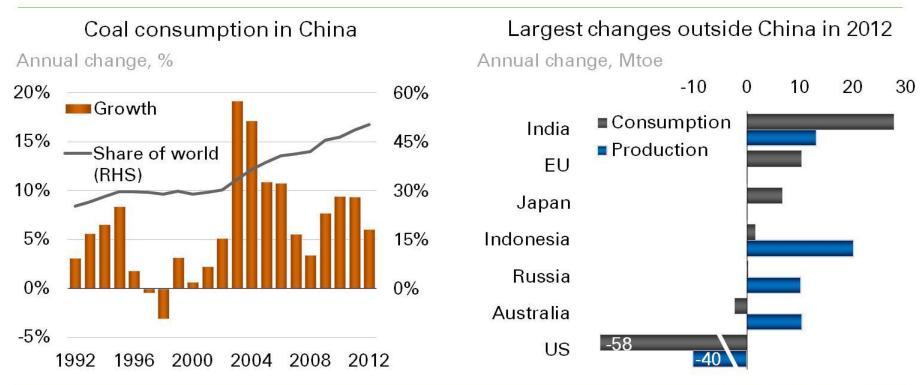






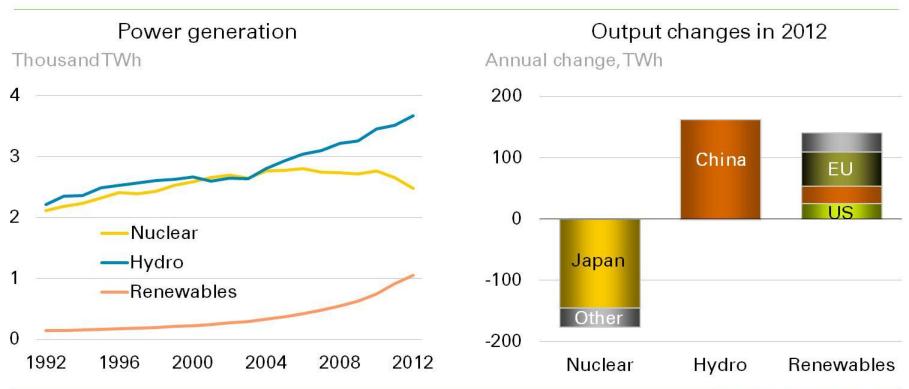
The coal market in 2012





Hydro, other renewables and nuclear

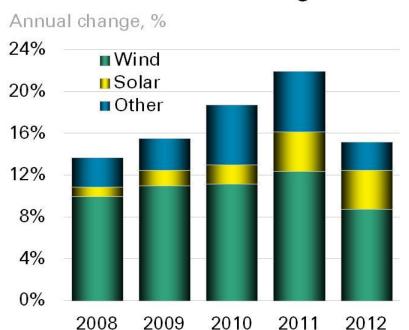




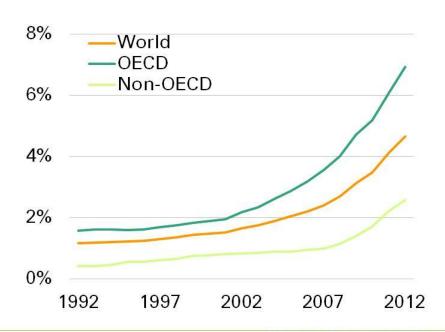
Renewables in power generation





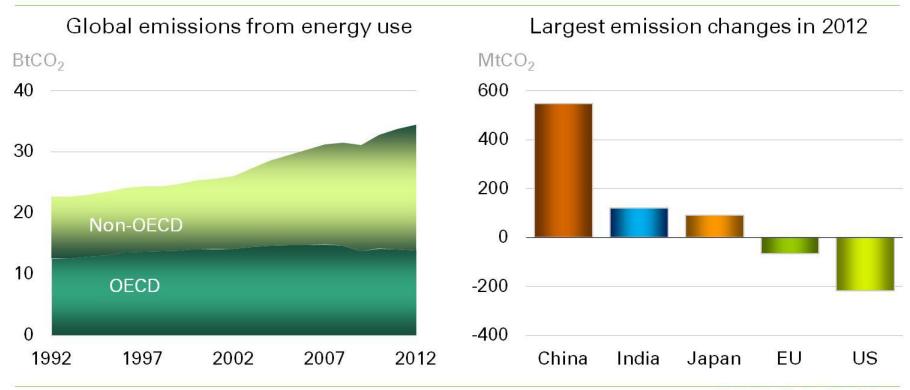


Renewables share of power



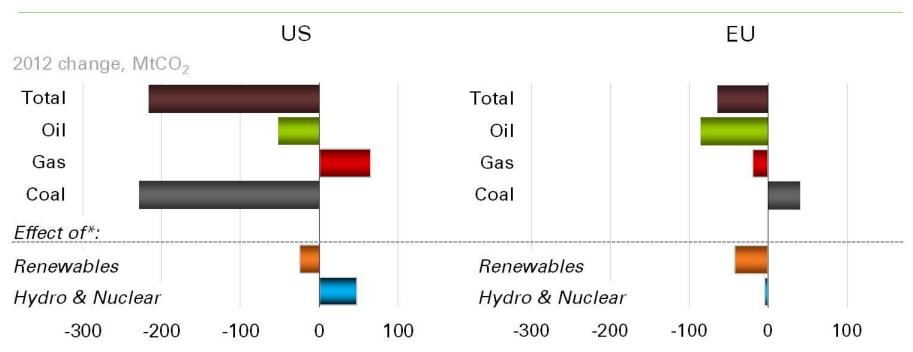
Carbon emissions





Carbon emissions by fuel: US and EU





^{*} The net effect of changes in non-fossil fuels in power on emissions, based on 2011 shares of fossil fuels in power generation

Conclusion

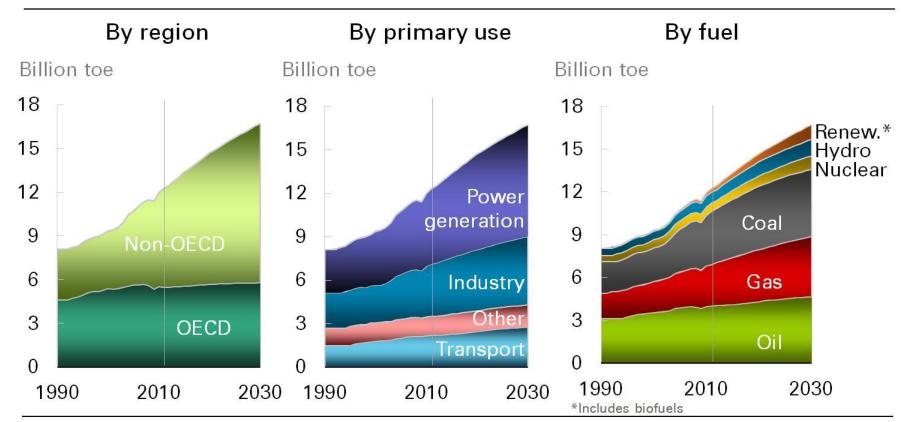


Energy in 2012

- Fundamental adjustment
 - And short-term aberrations
- Market and price driven
 - Sometimes with surprises
- Policy matters

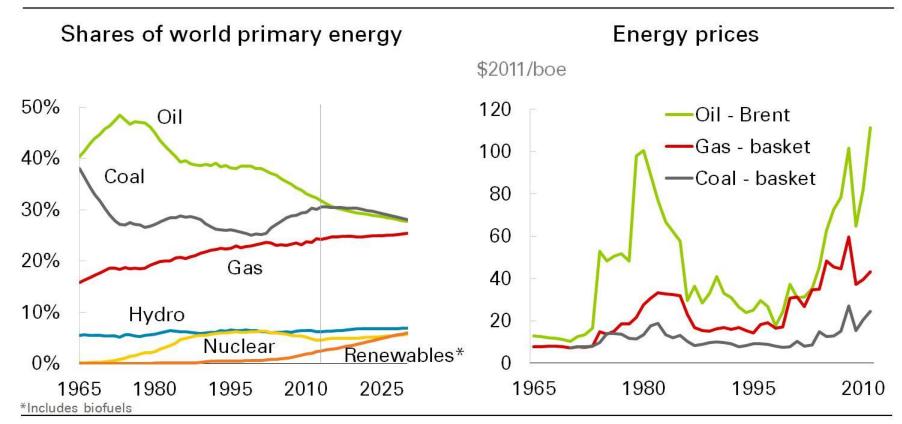
Industrialisation drives energy growth





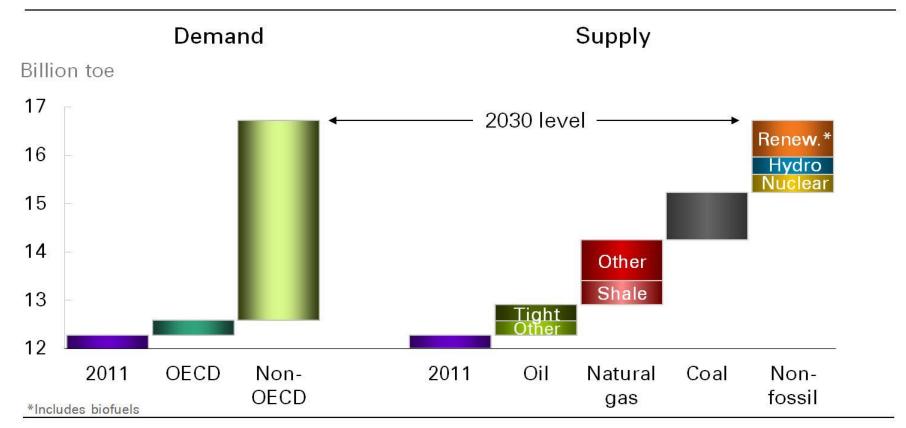
Fuel shares and energy prices





Energy supply growth





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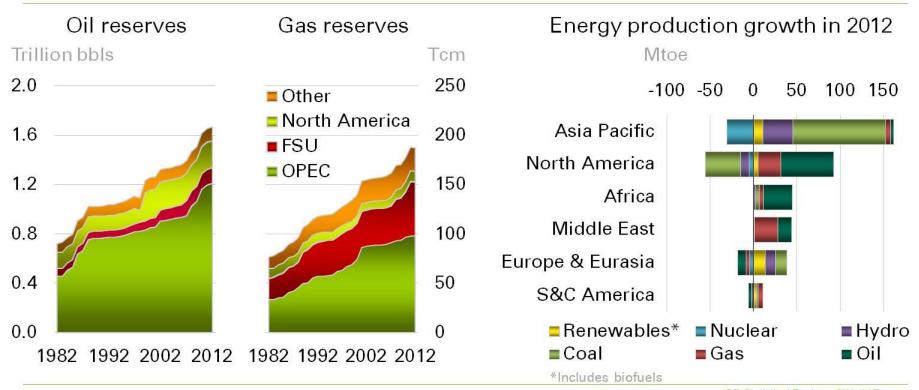
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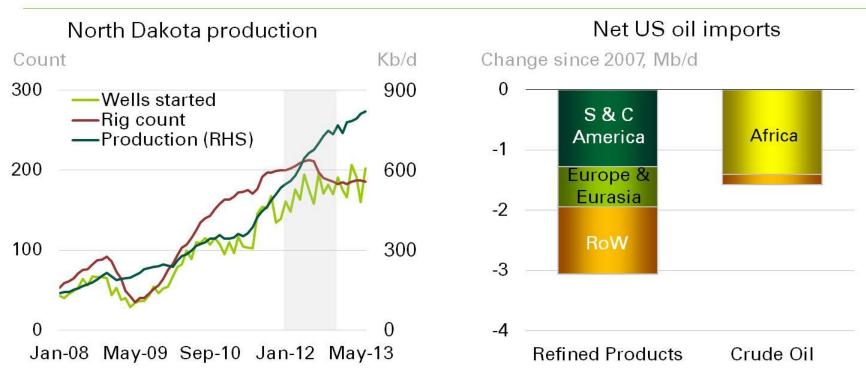
Reserves and production







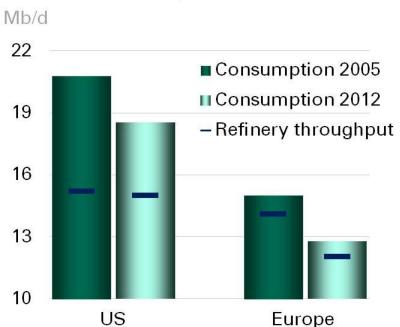


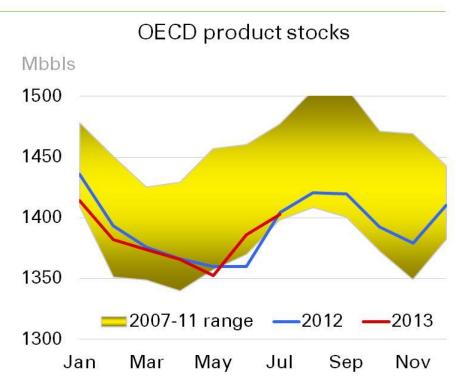






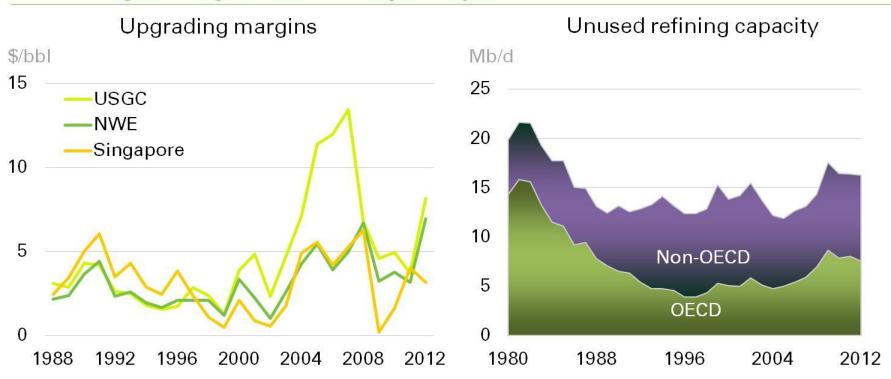








Refining margins and capacity



Source: Includes data from Platts

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