



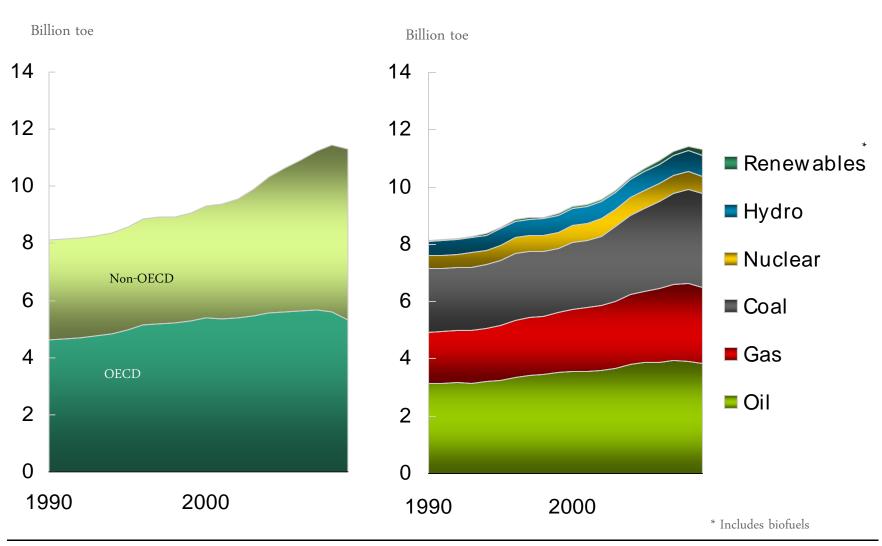
Agenda



- Where we've been
 - Trends in global energy
- Where we are: The short-term outlook
 - Why has oil been different?
- Where we are going (or might be!): The long-term outlook
 - Prospects for oil & gas
 - The policy case and implications

Global energy: Changing center of gravity, but fossil fuels still dominate

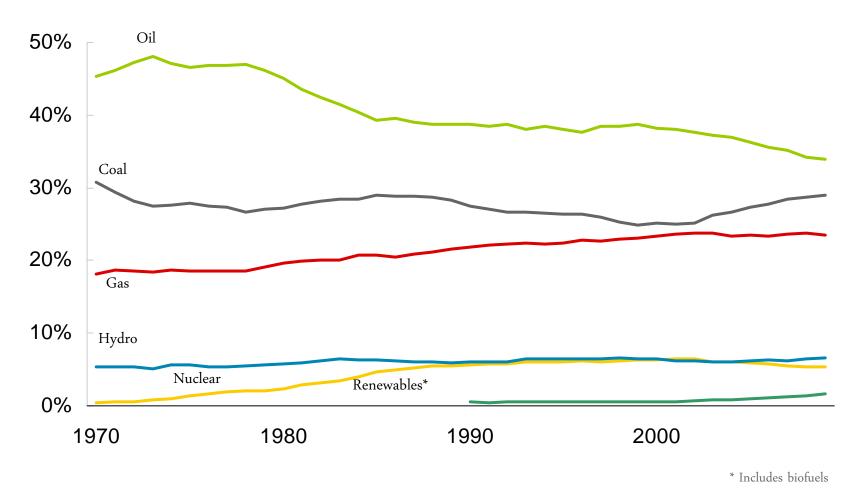




Coal has gained market share



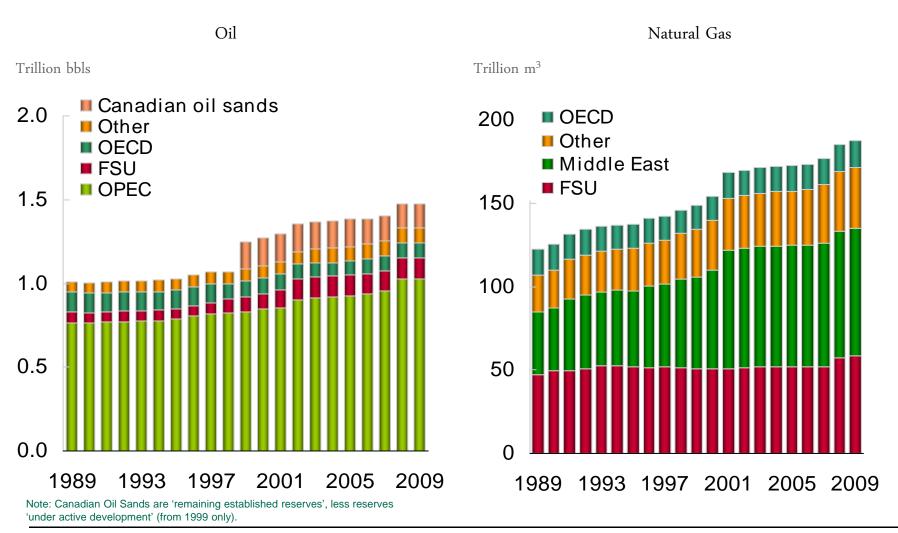
Shares of world primary energy



Source: BP Statistical Review of World Energy

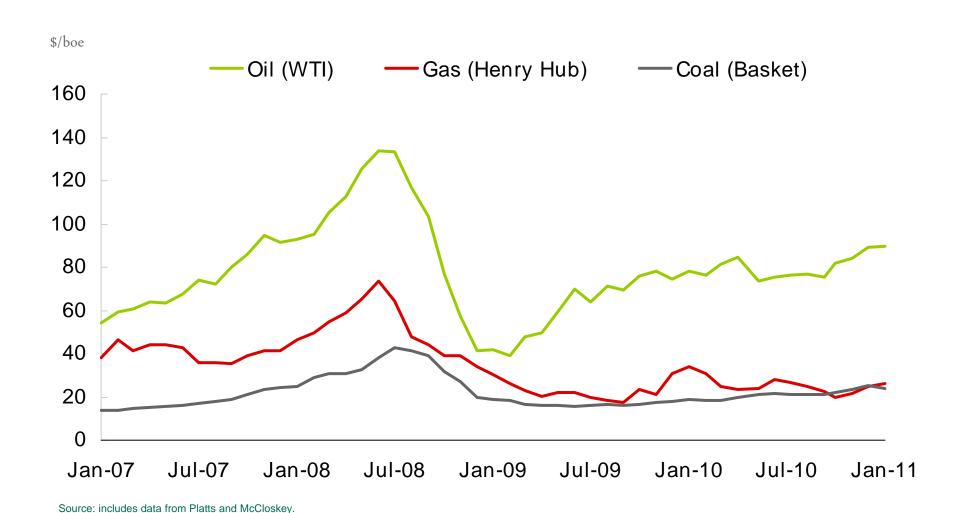
Ample oil and natural gas proved reserves





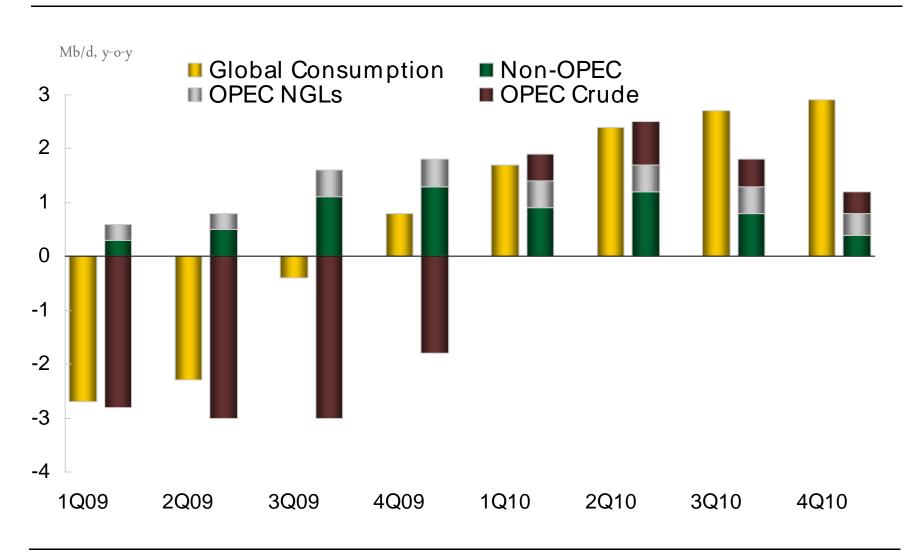
Energy prices: Oil has been different





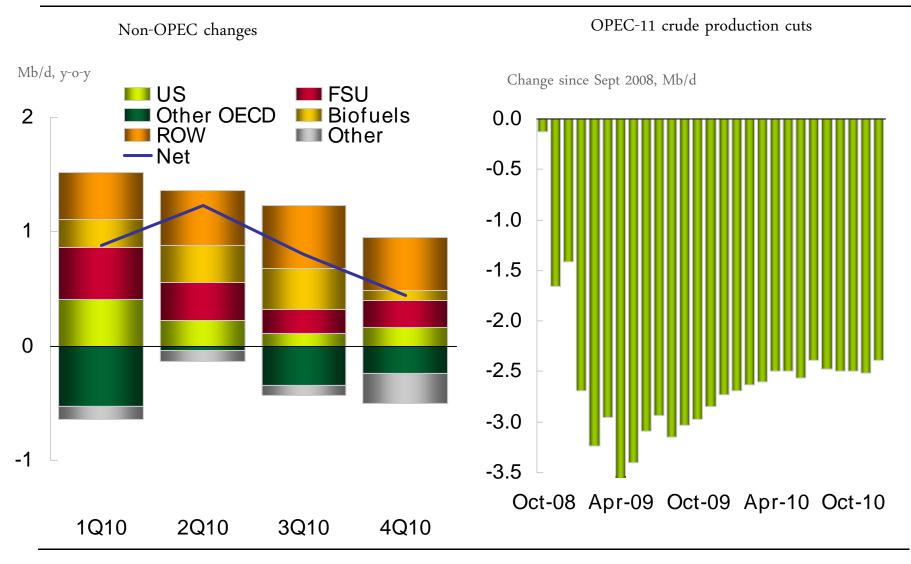
Oil demand outpacing supply





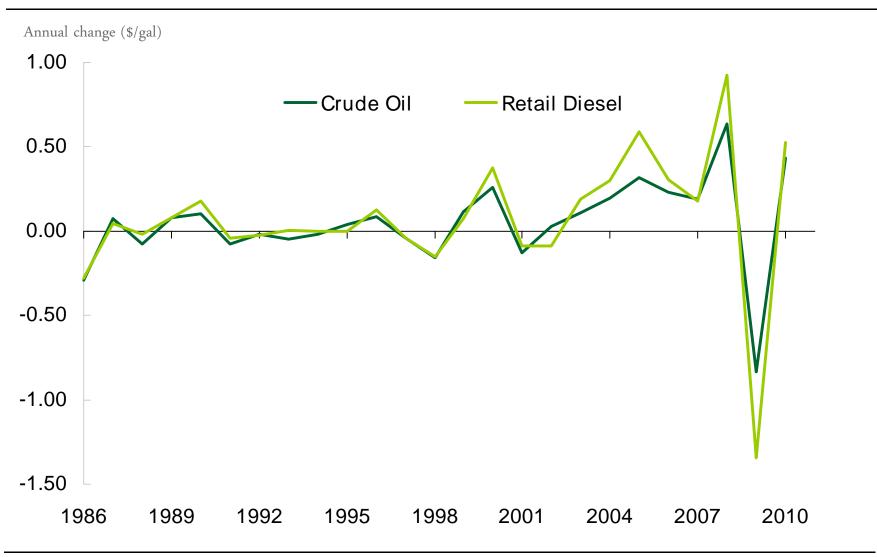
Non-OPEC growth slows; OPEC holds steady





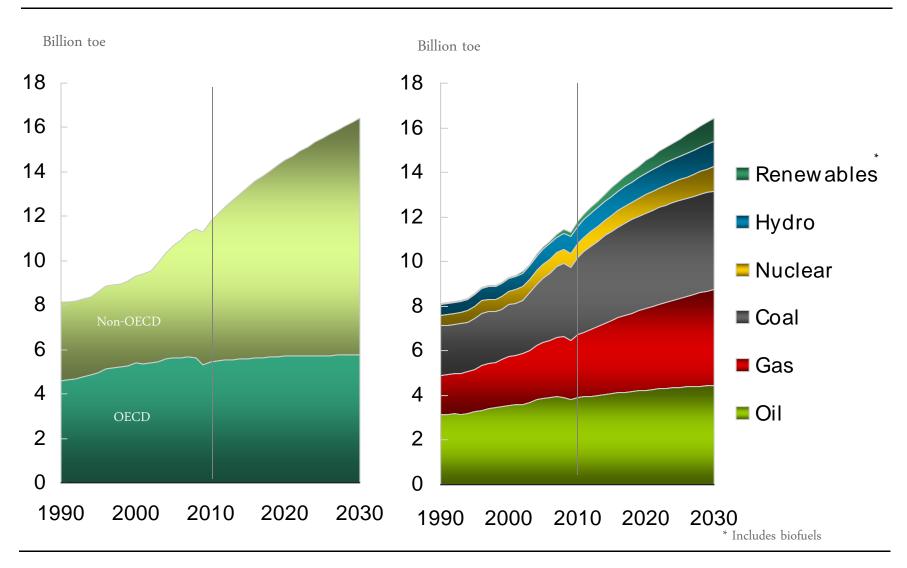
What drives prices at the pump: Crude





2030: Non-OECD drives consumption growth

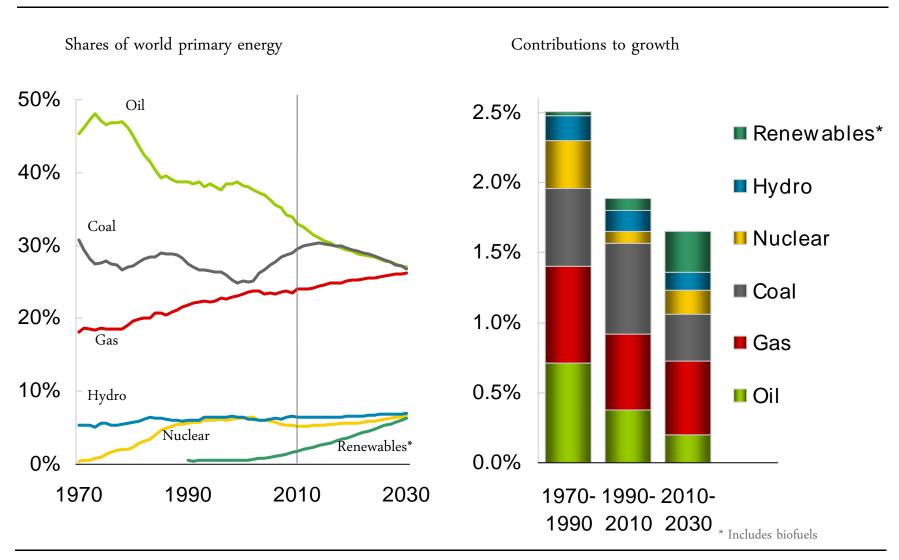




Energy Outlook 2030

Natural gas, renewables gain share

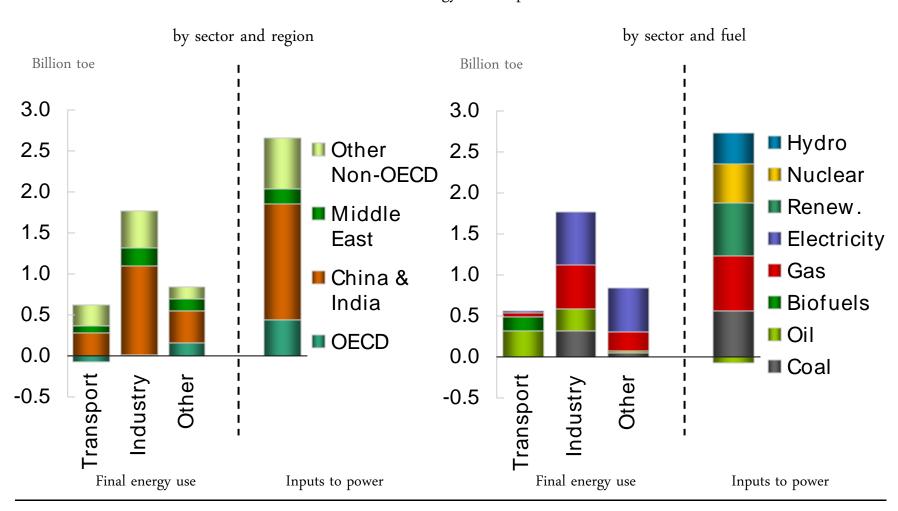




Non-OECD power, industry drive growth

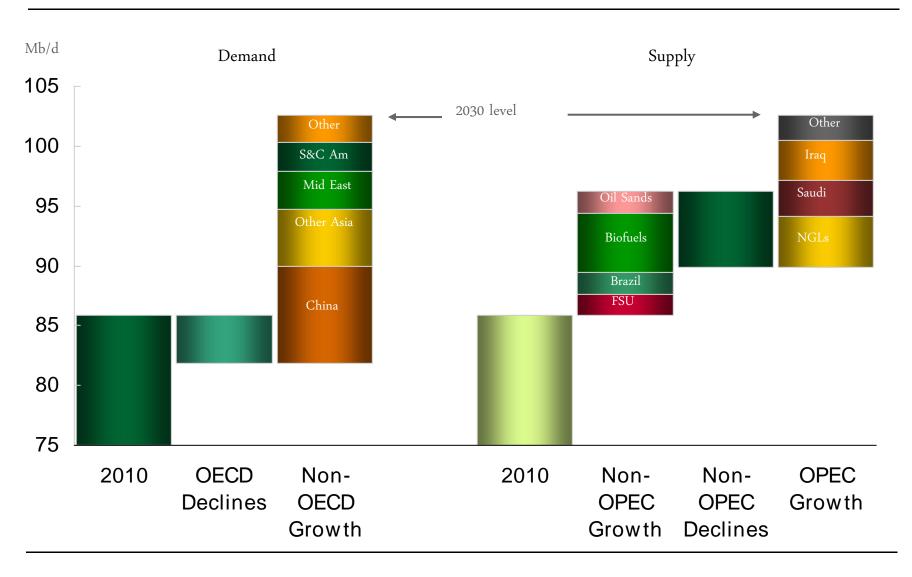


Growth of world energy consumption 2010-30



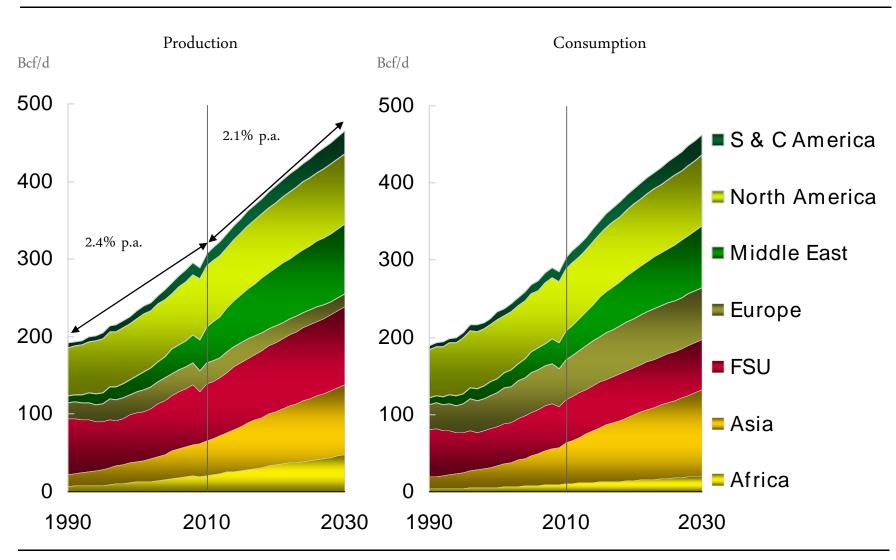
Liquids: Demand from non-OECD; supply from OPEC and biofuels





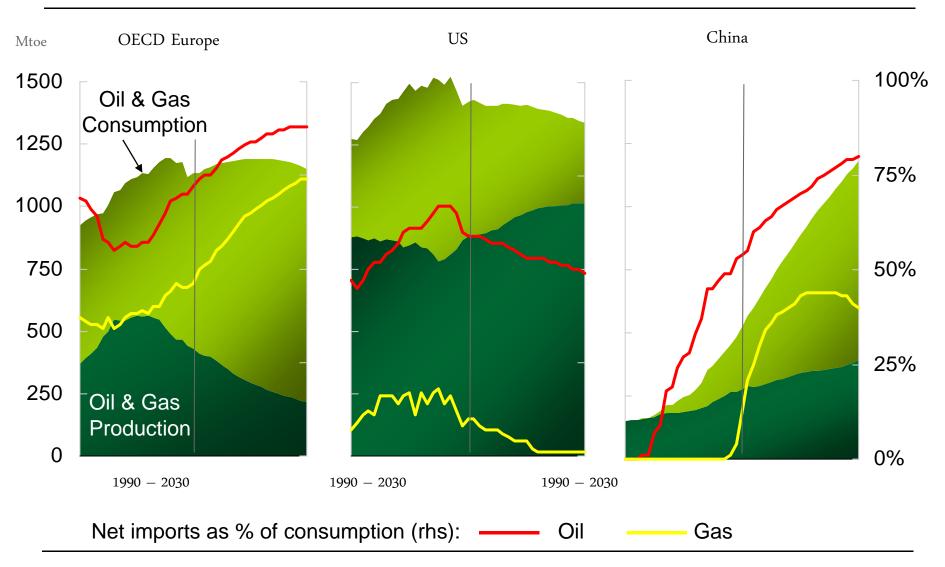
Natural gas the fastest-growing fossil fuel





Mixed implications for import dependence





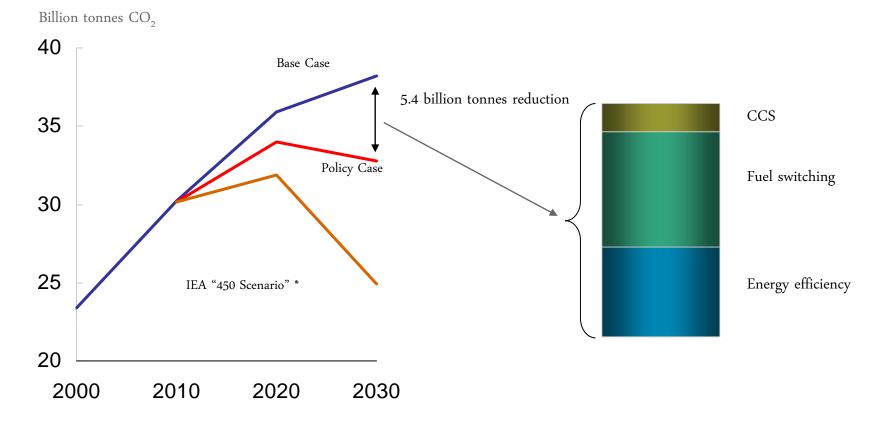
Energy Outlook 2030

Alternative: Stronger policy action on climate change



CO₂ emissions from energy use

Sources of carbon abatement versus Base Case, 2030



^{*} a back-cast which illustrates what is required to stabilise greenhouse gas concentrations at 450 ppm from IEA, World Energy Outlook 2010

Conclusions



- Where we've been:
 - Energy mix dominated by fossil fuels
- Where we are (short-term):
 - Oil supported by OPEC cuts
- Where we're going (longer-term):
 - Energy dominated by rapidly-growing emerging economies
 - Weak oil consumption growth; role of OPEC & biofuels likely to grow
 - Natural gas the fastest-growing fossil fuel; share of renewables likely to rise as well
 - Policy important to the base case; more aggressive policy could begin to reduce CO2