



19th Meeting of the OSCE Economic and Environmental Forum

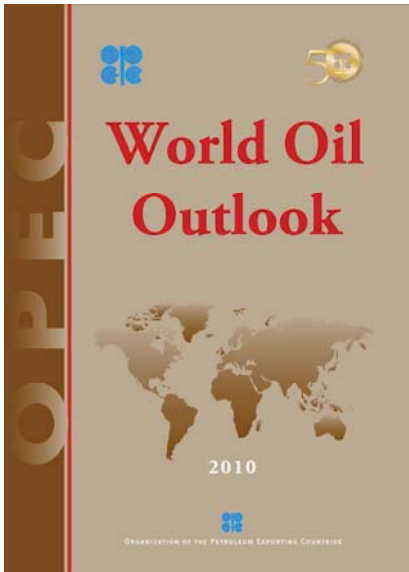

Vienna, 7th – 8th February, 2011

Session II

Energy efficiency and sustainable use of traditional and new energy sources

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Organization of the Petroleum Exporting Countries 1



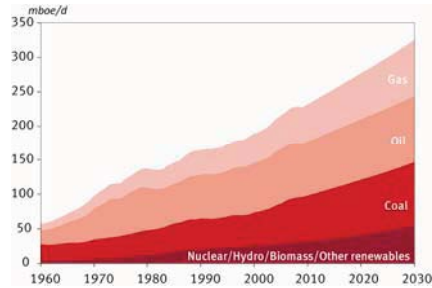
Material based upon
World Oil Outlook 2010

Released in Vienna
4th November 2010

www.opec.org

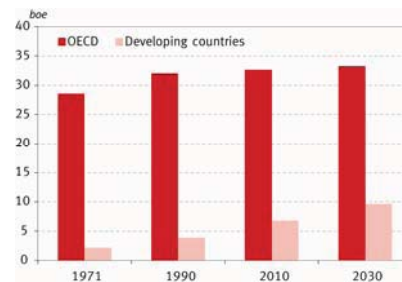
Organization of the Petroleum Exporting Countries 2

Energy use will continue to rise – but energy poverty will remain a major issue



World energy supply by fuel type in the Reference Case:
oil remains key

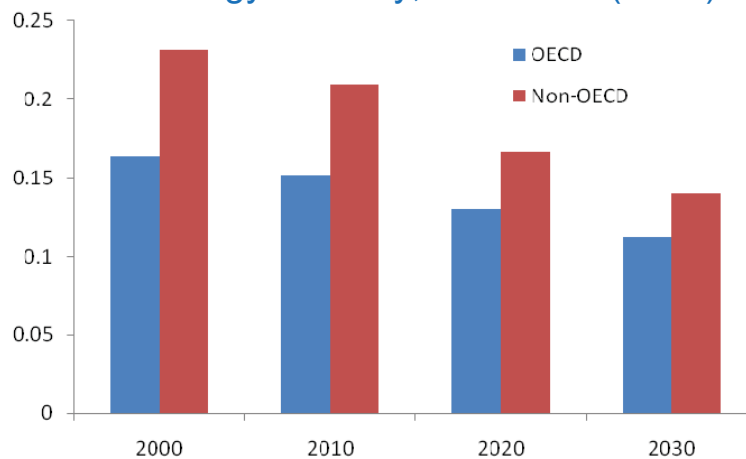
Energy use per capita in developing countries stays well below OECD levels



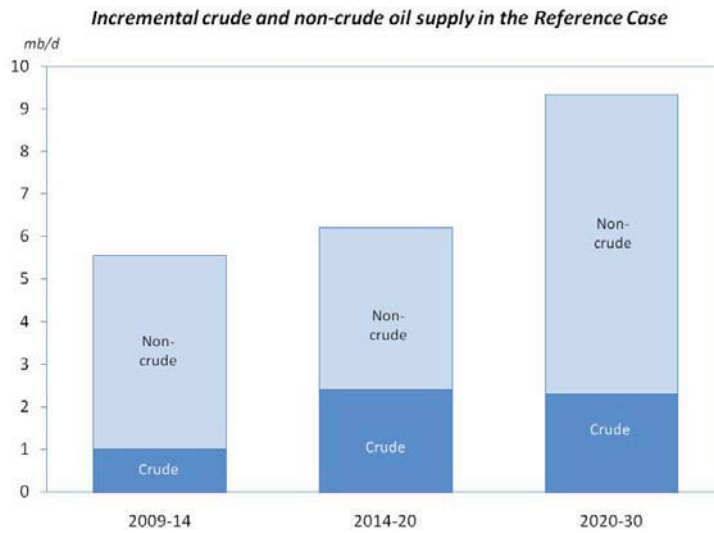
Energy efficiency continues to improve



Energy intensity, toe/\$1000 (2005)

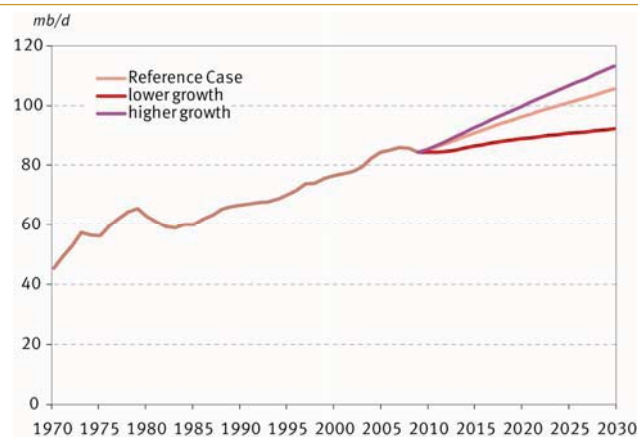


A wide range of sources will satisfy the increase in demand



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Oil demand is subject to many uncertainties



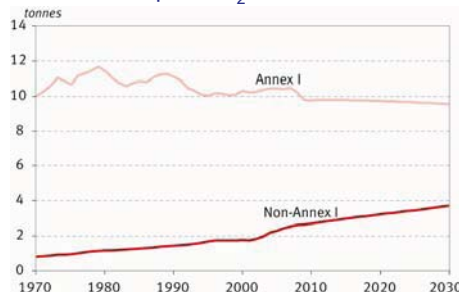
- Oil demand subject to many uncertainties: the economy, policies, technology
- Demand projections have been repeatedly revised downwards

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CO₂ emissions: the historical responsibility of developed countries

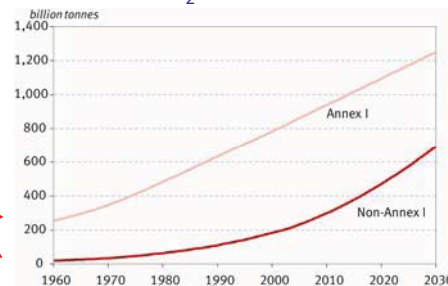


Per capita CO₂ emissions



Per capita emissions from Annex I countries remain well above the rest of the world...

Cumulative CO₂ emissions since 1900



...and cumulative emissions from Annex I countries will continue to be far higher than non-Annex I countries

Sustainable use of traditional energy sources: the role of CCS



- Continued importance of traditional fuels
 - High energy density
 - Available infrastructure
 - Economics
- Fossil fuels in a carbon-constrained world
- The importance of carbon capture and storage
- But developed countries must take the lead

Concluding remarks



- Energy fuels prosperity
- Diversity of energy sources has always been welcome
- Sustainability is key
- But energy poverty remains a major problem



Thank you

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