



Energy Technology Perspectives

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Energy Technology Perspectives Project

- Ongoing effort since 5 years
- Building on the Energy Technology Perspectives model
- 3 dedicated publications so far
 - ◆ Prospects for CO₂ Capture and Storage
 - ◆ Prospects for Hydrogen and Fuel Cells
 - ◆ Energy Technology Perspectives (upcoming)



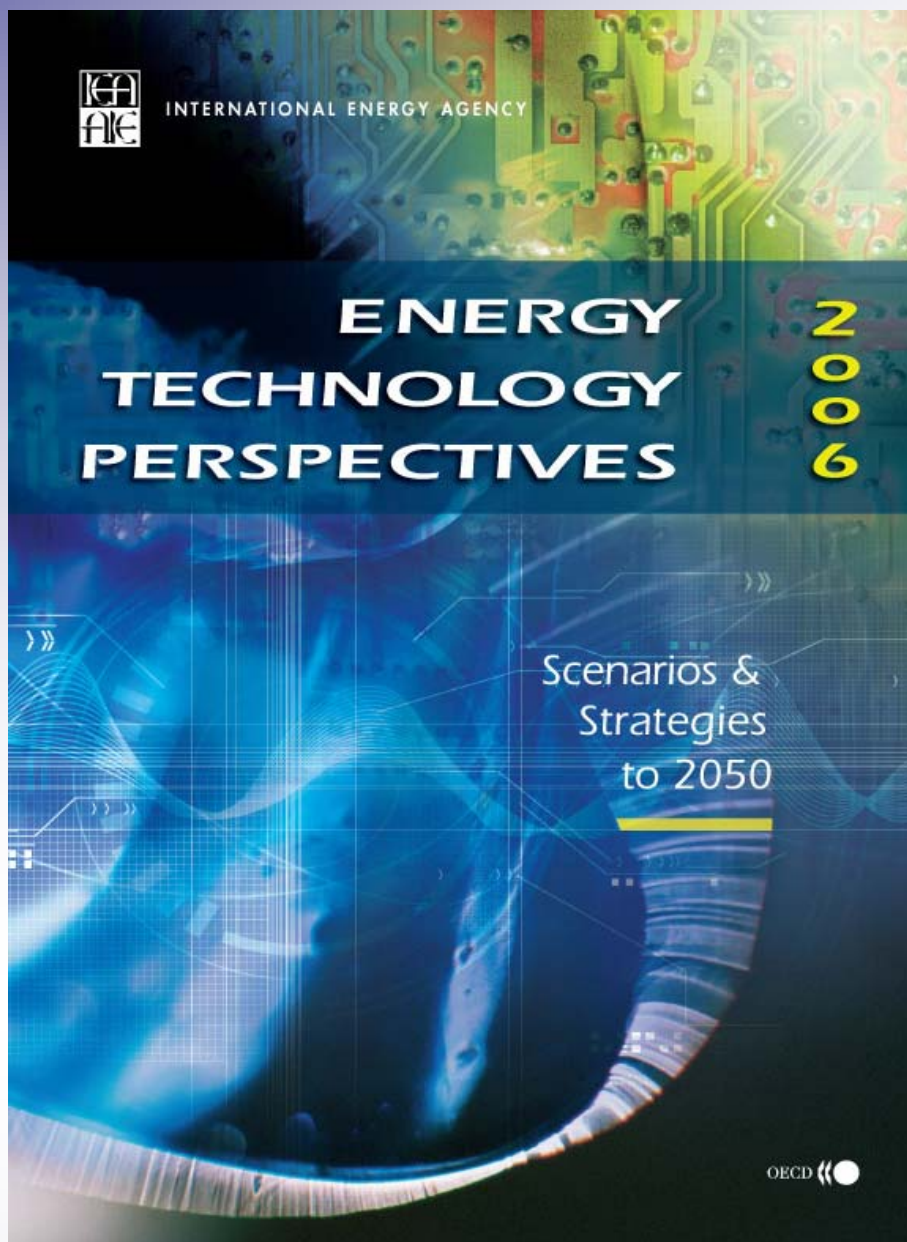
Energy Technology Perspectives Publication

- Scheduled for June 2006
- Input for G8 summit St Petersburg
- Scenarios for CO₂ emissions stabilization & enhanced supply security in 2050
- Focus on the role technological change can play
- Bi-annual publication, 2nd one early 2008 is also input to the G8-process



ETP Scenarios

- 7 new accelerated technology policy scenarios
- Variations in power sector & uptake biofuels and H₂ Fuel Cell Vehicles
- Emission reduction incentive 25 US\$/t CO₂
- New demand side efficiency policies
- The scenarios assume a balanced effort across all world regions and all sectors

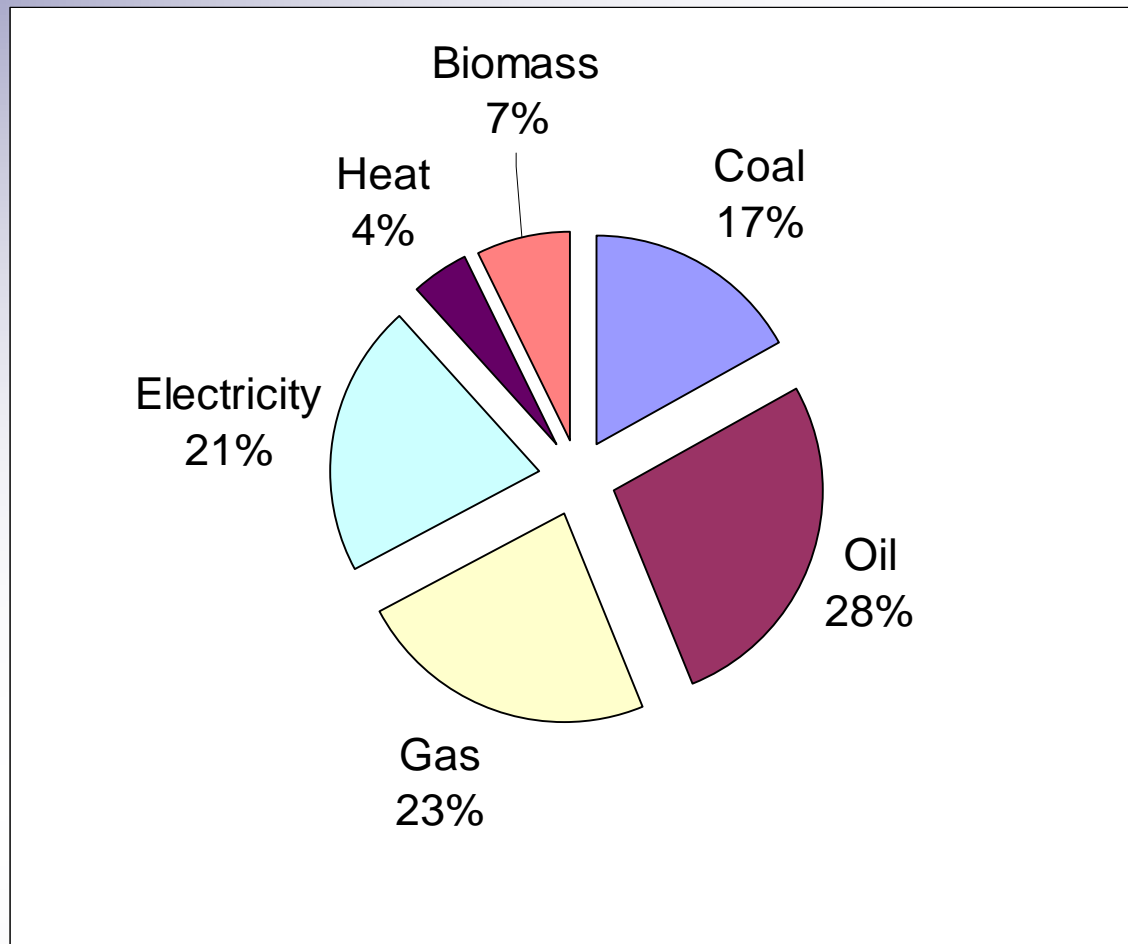


Forthcoming June 2006

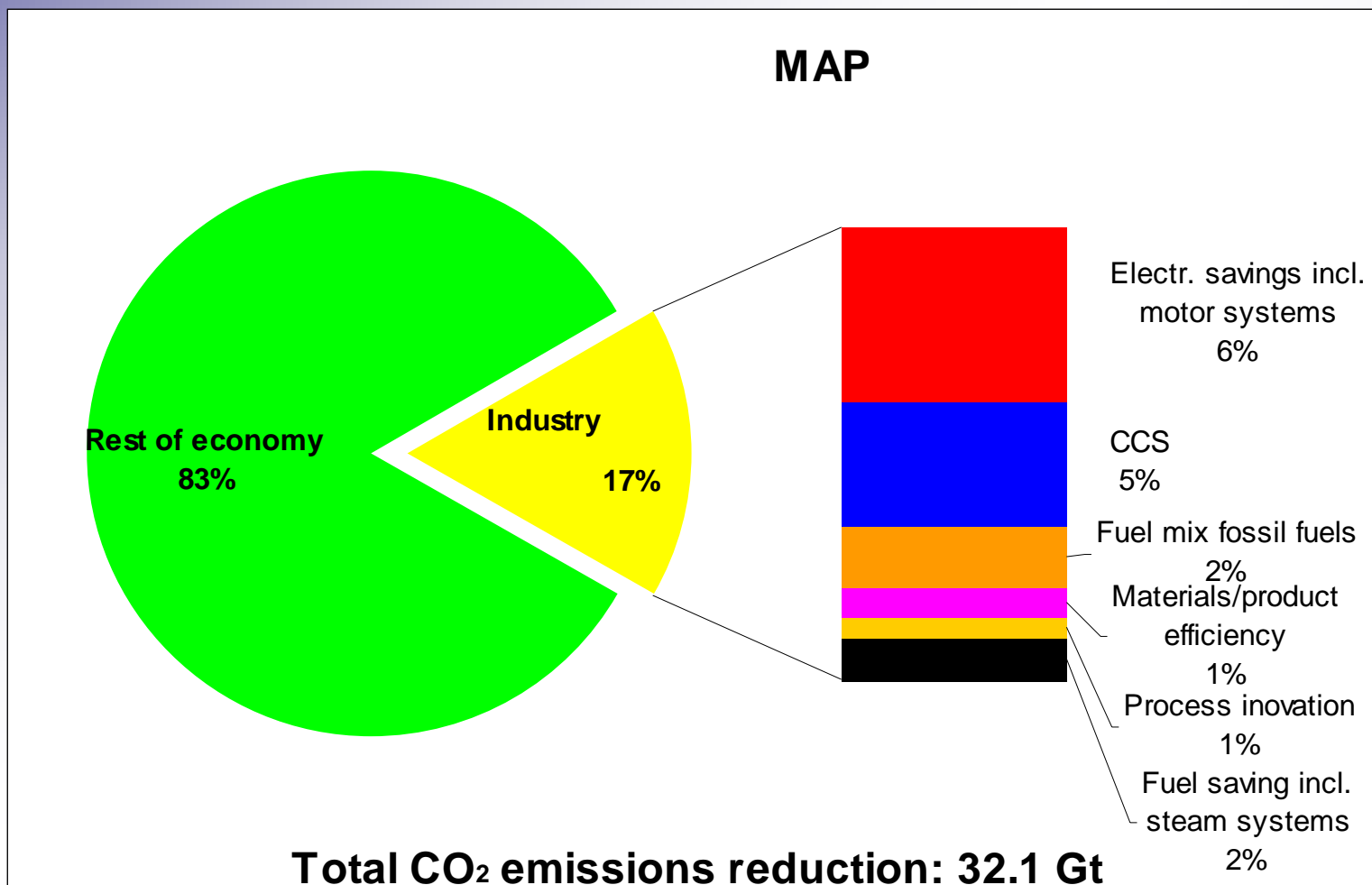


Industrial Energy Use, 2003

Excludes coke ovens & blast furnaces (~10%)



The Role of Industry and Efficient Motor Systems, 2050





Conclusions

- **Motor systems are important for the reduction of industrial energy use and CO₂ emissions**
- **They account for about 4% of total CO₂ emissions reduction**
- **Better insights needed what policies can make this happen**