



EURACOAL Conference “Coal in Europe” Brussels, 29th January 2007



Coal in the “Energy Package” proposed by the European Commission

on

10th January 2007

By

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Setting the scene

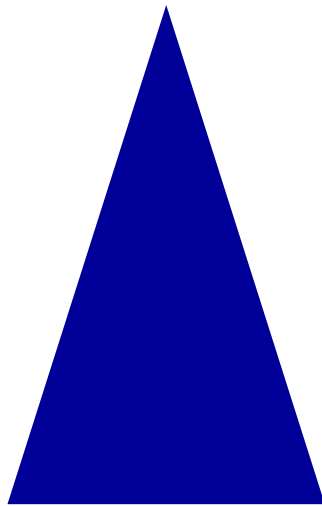
- Principles of the EU Energy Policy
- The Green Paper on a European Energy Strategy and its deliverables
- Sustainable power generation from fossil fuels





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**Competitiveness:
Lisbon**



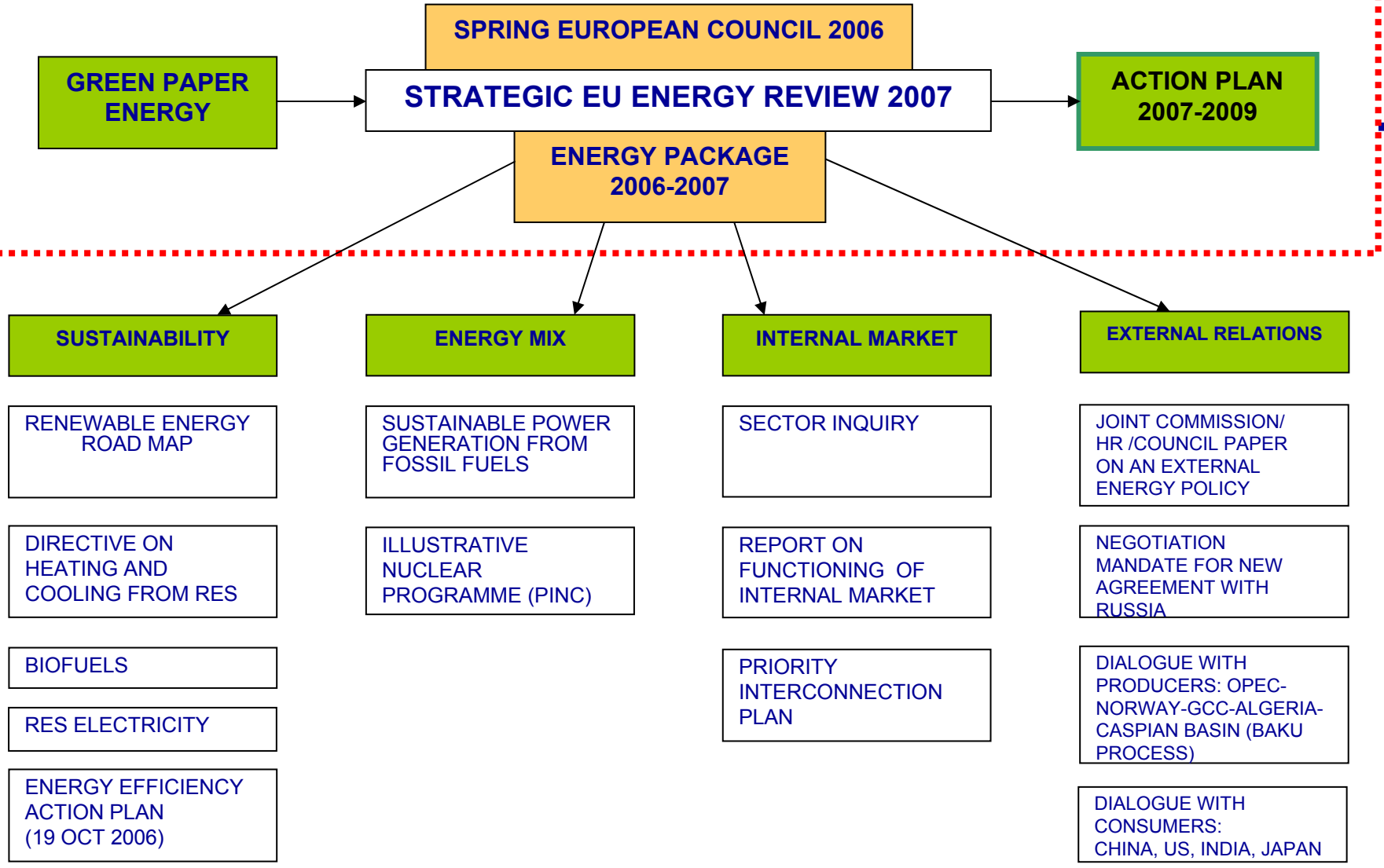
**Sustainability:
Kyoto**

**Security of
supply**

Principles of EU Energy Policy

- **Competitiveness:** internal market, competition, interconnections (TEN-T), European electricity grid, research & innovation (clean coal, CO₂ capture & storage, alternative fuels, energy efficiency, nuclear)
- **Sustainability:** renewable energies, energy efficiency, nuclear, innovation & research, emission trading
- **Security of Supply:** international dialogue, European stock management (oil/gas), refining capacity and storage of energy, protection against terrorism

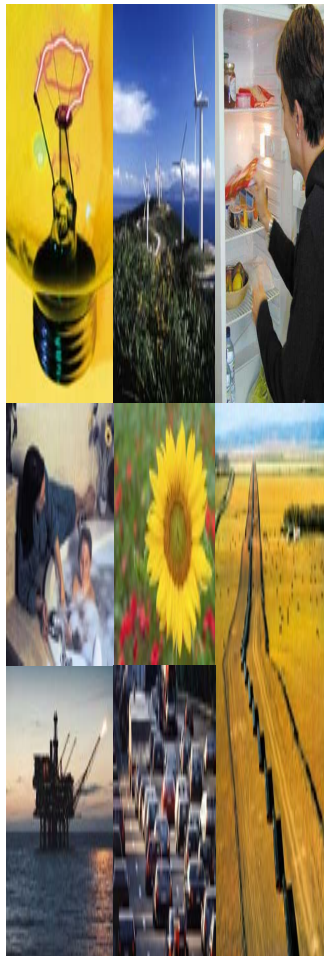
TOWARDS AN ENERGY POLICY FOR EUROPE



THE R&D 7TH FRAMEWORK PROGRAMME —————> STRATEGIC ENERGY TECHNOLOGY PLAN (2007)



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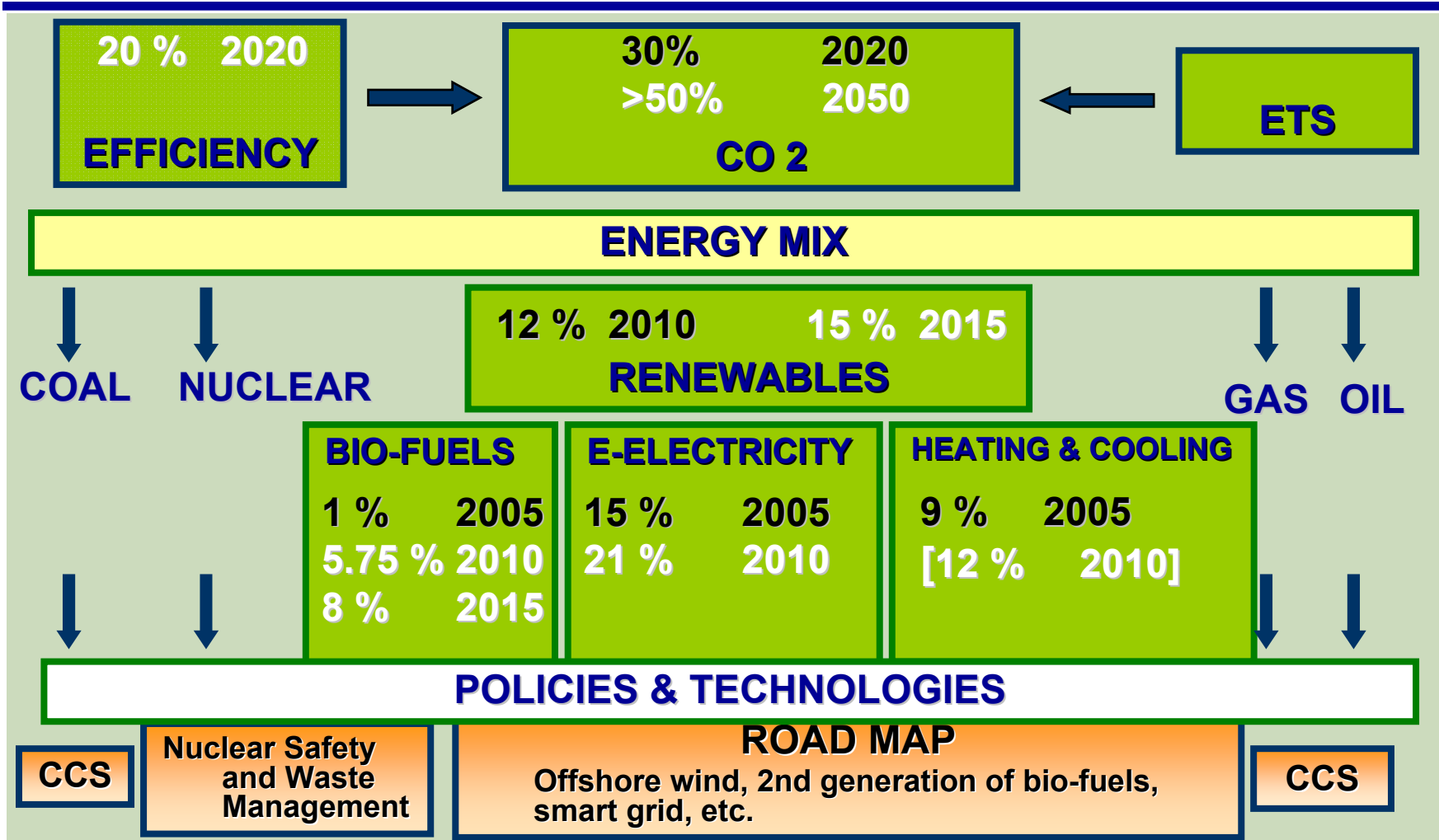


The Energy Package

- Renewable Energy Road Map
- Report on Progress in Renewable Electricity
- Biofuels Progress Report
- Prospects for the Internal Gas and Electricity Market
- Priority Interconnection Plan
- Nuclear Illustrative Plan
- Sustainable Power Generation from Fossil Fuels
- Towards a European strategic Energy Technology Plan



TARGETS OVERVIEW





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Fossil Fuels: a double-edged sword

- Coal & gas account for more than 50 % of the EU's electricity supply
- CO₂ emissions from power generation pose global challenges (climate change)
- The way-out: Sustainable power generation from fossil fuel using integrated technological solutions (Clean Coal Technologies plus CO₂ Capture & Storage, CCS)
- Solutions to be found for coal first, then possibly applied by mutation to other fossil fuels



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A Sustainable Solution: Key Requirements/Preconditions

- Establish a favourable regulatory framework in Europe enabling low-CO₂ power generation from fossil fuels
- Include CCS into the EU's Emission Trading Scheme to provide market-based incentives
- Encourage investments in demonstration of sustainable technologies to facilitate commercialization
- Extend international co-operation to stimulate global adoption

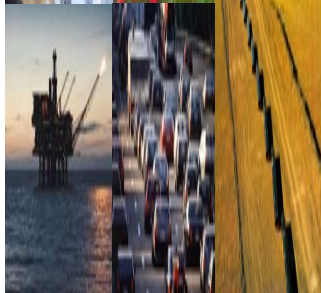




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Actions to be initiated by the Commission in 2007

- Establish instruments to stimulate construction and operation, by 2015, of up to twelve industrial-scale demonstration facilities of sustainable power generation from fossil fuel in Europe
- Create legislative framework enabling CCS in power generation
- Develop clear timeframe when coal- and gas-fired power plants will need to install CO₂ capture & storage (Commission believes that any fossil fuel plants after 2020 should be with CCS; existing ones should be retrofitted)





Further Information:

http://ec.europa.eu/energy/energy_policy/index_en.htm

