



A legal framework for CCS in the EU

State of play

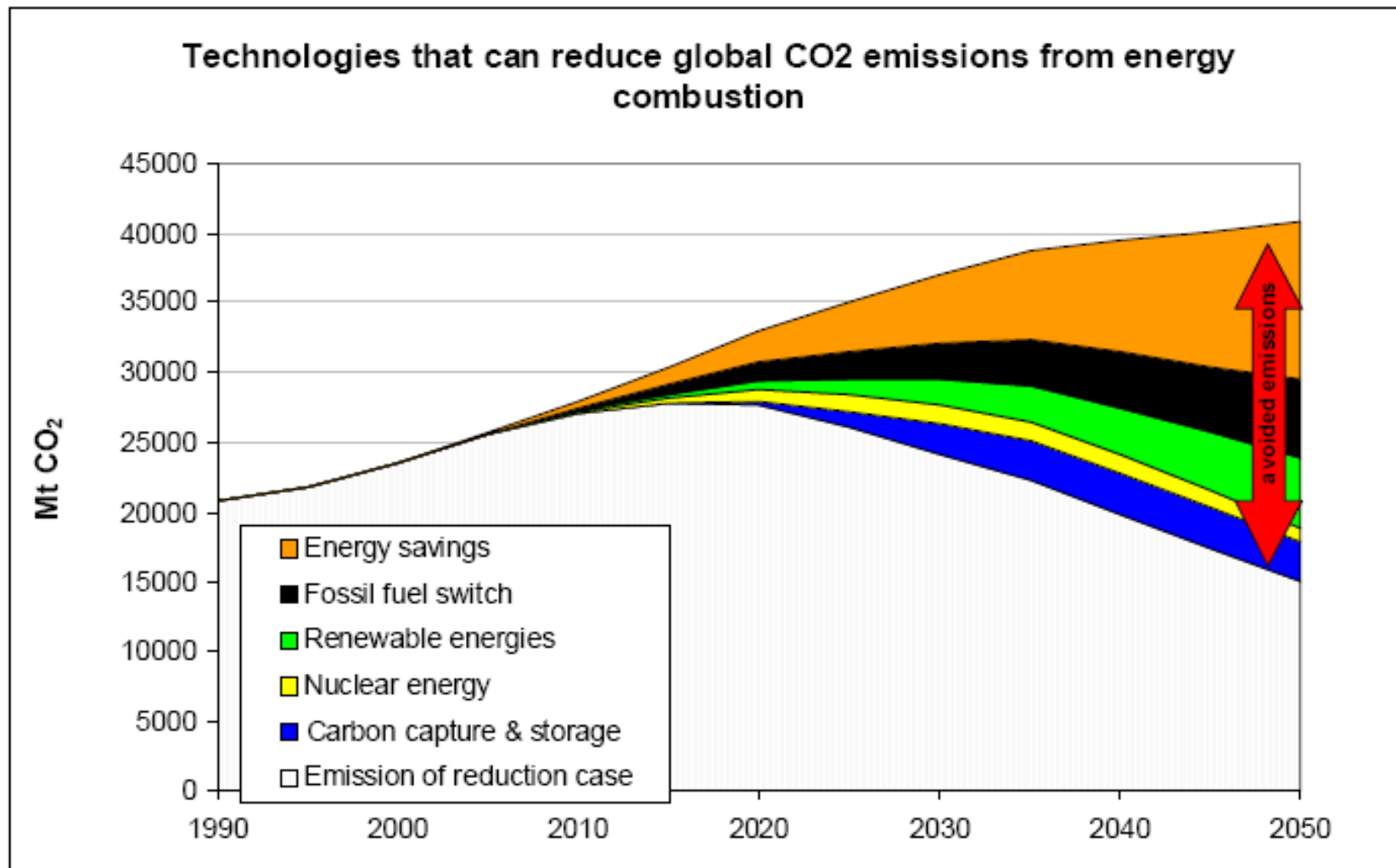
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Slide 1

European Commission: DG Environment



CCS as part of the post-2012 energy technology mix (1)





CCS as part of the post-2012 energy technology mix (2)

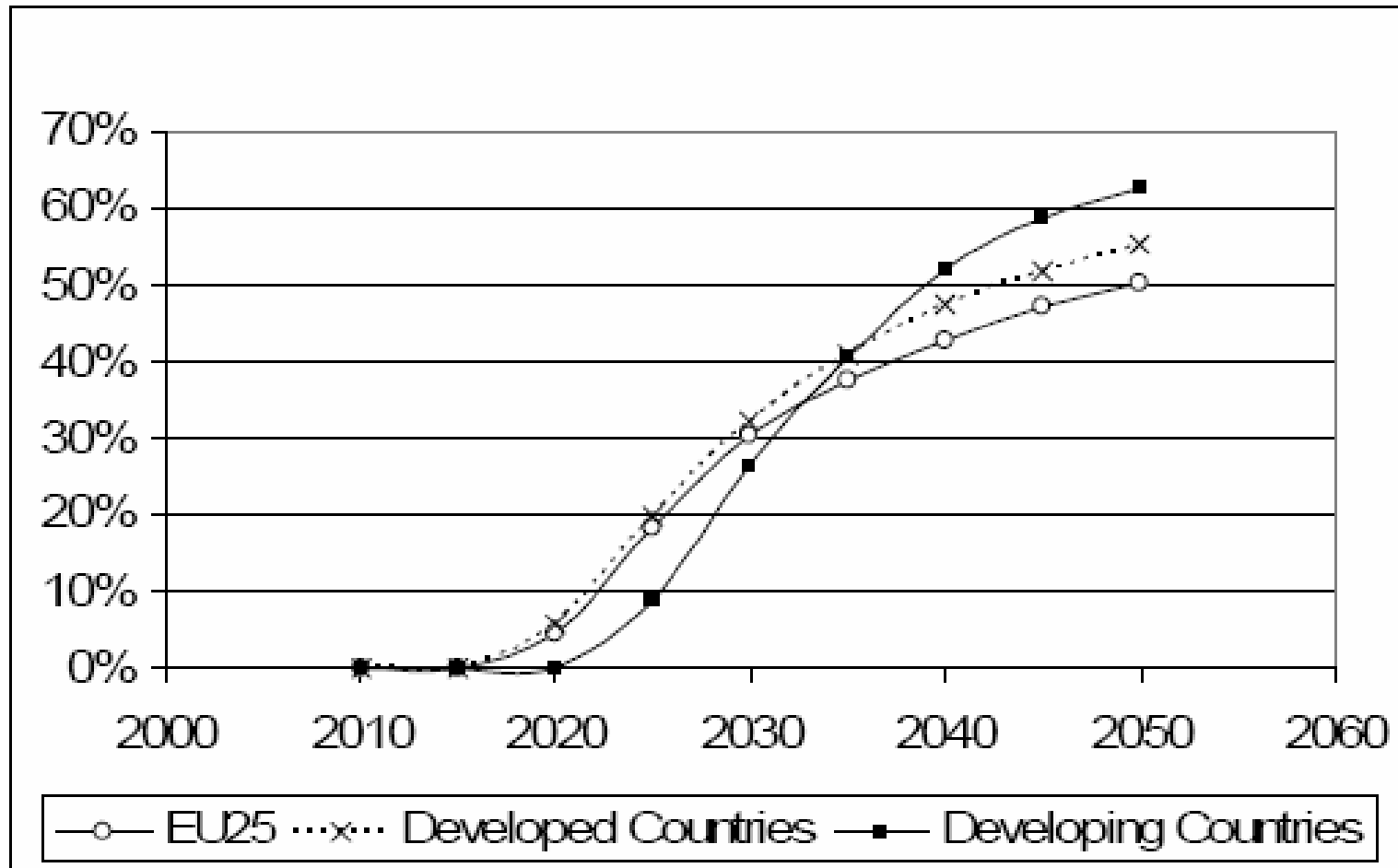


Figure 21: Share of Power Sector Emissions Captured (JRC-IPTS, POLES)



CCS & EU action post-2012

- **Research & development: ~12 demo plants in EU by 2015**
- **Prove economic viability of CCS by 2020**
- **Cooperation with 3rd countries:**
 - **Carbon Sequestration Leadership Forum (CSLF)**
 - **China (Near Zero Emissions Coal Demonstration)**
 - ...
- **CCS & CDM**



Forthcoming EU legislation on CCS: risk management framework

- **Capture and transport to be regulated under existing legislation**
- **Free-standing legal framework for storage:**
 - Site characterisation and selection: no significant risk of leakage
 - Monitoring to check that CO₂ is behaving as expected and no leakage is occurring.
 - Measures to address any leakage that does occur, plus surrender of ETS allowances
 - Transfer of responsibility to the Member State when the site presents low risk of future leakage
 - Financial security to cover *inter alia* decommissioning obligations and potential liabilities
 - Review of draft permitting decisions at EU level



Forthcoming EU legislation on CCS: further measures

- **Removal legal barriers in water and waste legislation**
- **Incentivising adoption**
 - Communication on support for CCS demonstration forthcoming
 - CO₂ captured & safely stored = not emitted under ETS
 - Market to stimulate adoption of the technology
 - Capture-ready requirement imposed, but no mandatory CCS at this stage

**Timing: January 2008, part of EU climate and energy package
(ETS review, CCS demonstration, ...)**



Detailed treatment under the ETS

- **Phase II:**
 - for legal reasons, opt-in of combustion, capture, transport and storage installation as a single entity ('bubble' approach)
 - **Monitoring and reporting guidelines developed in a modular form (separately for capture, transport and storage)**
 - first draft April 2008, finalised end 2008
 - **Preliminary indications of opt-in from Germany, Netherlands, Norway, possibly France, UK**

- **Phase III:**
 - **Capture, transport and storage separately included under ETS**
 - **Covers cases where multiple sources and sinks are connected to a single transport network**
 - **Commission can adopt rules on crediting community-level projects that reduce CO₂ emissions, which would cover biomass+CCS.**

- **No allocation for capture, transport or storage in either phase**
 - **Effect is that EUAs are surrendered for all emissions from the whole CCS chain, and credit is only given for genuine emissions reduction.**



More information on EU climate policy:
http://europa.eu.int/comm/environment/climat/home_en.htm

**YOU CONTROL
CLIMATE CHANGE.**



TURN DOWN. SWITCH OFF. RECYCLE. WALK. CHANGE