



CSLF April 2006

UK Activity

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and Industry**

The UK's Prime Minister recognises the importance of climate change, and the link between energy and greenhouse gas emissions.

Therefore increased activity from the UK on Carbon Abatement Technologies in 2005

- Carbon Abatement Technology Strategy
- G8 initiatives
- EU-China NZEC initiative
- UK-Norway Agreement
- Industry projects

CAT Strategy

- Launched June 05
- Objective:-

“To ensure the UK takes a leading role in the development and commercialisation of Carbon Abatement Technologies that can make a significant and affordable reduction in CO₂ emissions from fossil fuel use.”

CAT Strategy

- Two key CAT technologies for reducing emissions:
- *Improved efficiency* in existing power generation, using technologies which can reduce emissions by up to 20%
- *Carbon Capture and Storage (CCS)* which has the potential to reduce emissions by up to 85%.

CAT Strategy Actions

1. R,D&D
2. Demonstrate CO₂ Capture-ready
3. Demonstrate CO₂ Storage
4. International collaboration in UK
5. UK collaboration internationally
6. Incentives for commercial deployment
7. Acquisition of knowledge
8. Regulatory frameworks
9. Public awareness
10. Routemap for development of CATs

Update on Actions

- **R&D**
 - ~£7m
 - Nov 05 Call, ~£4m
 - assessing proposals
- **Demonstration –**
 - £35m Scheme design
 - Seeking EC State Aid approval
- **Route map**
 - underway

Update on Actions

- **Incentives for CCS**
 - Energy Review
 - Treasury Consultation
 - EU ETS and CCS – EU Expert Group
 - Working with EU's ECCP WG
 - CDM – UNFCCC process
- **Public awareness**
 - Developing strategy
 - Working with BP & CCP, Uni Cambridge
 - Workshop 23 Jan 06

Update on Actions

- **Regulatory and Legal Frameworks**
 - Marine Treaties
 - London Convention/Protocol
 - Oct 05 Annual Meeting Successful
 - Apr 06 meetings
 - OSPAR – UK/Norway papers
 - working closely with other countries
 - UK Task Force on Regulation of CCS
 - Offshore storage
 - Onshore capture and transport

Update on Actions

- **Regulatory and Legal Frameworks..**
 - UK-Norway Agreement
 - Agreement on CCS collaboration in North Sea, 30 Nov06
 - North Sea Basin Task Force
 - Development of regulatory principles
 - First meeting 8 March Oslo
 - Participation in the development of IPCC inventory guidelines

Multinational Collaboration

- IEA Working Party for Fossil Fuels
- EU / European Commission
 - Technology Platform for Zero Emissions from Fossil Fuel Power Plant
 - UK Chair of ZEFFPP Mirror Group, and represented in Working Groups
 - FENCO - ongoing
- Carbon Sequestration Leadership Forum



G8

- Five G8 initiatives on CCS, and three on CCTs
- Implementation
 - UK CAT Strategy
 - Working with IEA, and CSLF

EU Presidency 2005



- EU-China Partnership on Climate Change
- Near Zero Emissions Coal project (NZEC)
- Aim – to bring forward deployment of CCS in China

NZEC Phase 1

- Feasibility study for carbon dioxide capture and storage in China
- Leading towards demonstration
- MoUs: UK-China (21Dec), EU-China (21Feb)
- Workshop 1-2 June, Beijing

Industry Projects

- UK Gov working with industry
- BP Peterhead-Miller CCS project
 - Nat gas, hydrogen, offshore EOR
- Other projects in pipeline

Summary

- UK commitment to tackling global climate change, including using energy technologies
- UK deployment of CCS needs North Sea Basin
- Conclusion:-
2005 was big year for CCS in UK
2006 needs to turn policy into action !

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