

BERR | Department for Business
Enterprise & Regulatory Reform

Regional Carbon Sequestration Partnerships Initiative Meeting

Marriott Hotel, Pittsburgh, 12 December 2007

UK CCS Activity

Ian Graves

Engineering and Technical Advisor Cleaner Fossil Fuels

The CCS Story So Far...

- 2005 UK G8 and EU Presidency
£35m Small Scale Demonstration Fund
Carbon Abatement Technologies (CAT) Strategy
- 2006 Consultation on Barriers to deployment of CCS
- 2007 Consulting Engineers considering all the costs
Competition Announced (March)
Competition Launched (19 November)

UK CCS Demonstration Competition

- 2 Key Objectives:
 - Deliver successful demonstration of full chain of CCS technologies on power plant at commercial scale
 - Demonstrate technology that is relevant & transferable to key global markets particularly in emerging economies

UK CCS Demonstration Competition

- Government is prepared to fund up to 100% of CCS costs (not including the power plant)
- Subject To:
 - Affordability
 - State Aid clearance

UK CCS Demonstration Competition

- In the UK
- Full Chain of CCS Technology by 2014
- 300 – 400MW, Phasing will be considered
- Post Combustion Capture on a coal fired station (including oxy-fuel)
- Around 90% capture
- Offshore storage
- Information sharing

Why Post Combustion on Coal?

- 3 factors led the team to focus onto post combustion technology:
 - International activity
 - UK activity
 - Competition Design

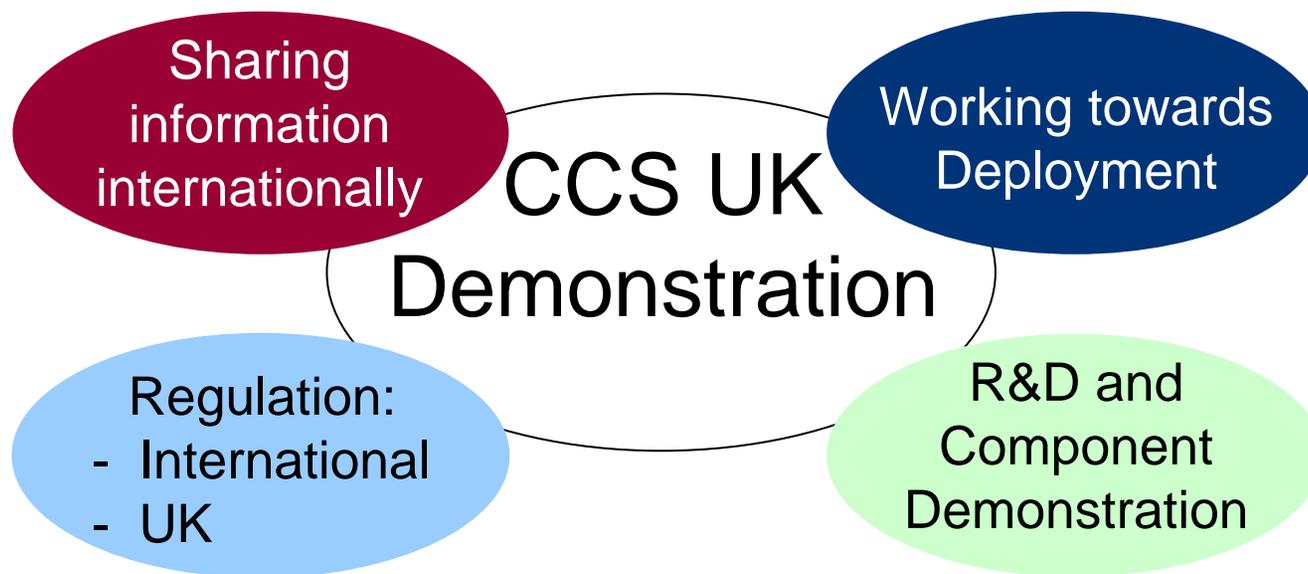
Demonstration Vs Deployment

- Not taking a view on relative merits of technology – this is not a technology development programme
- Speeding deployment of CCS
- Working to set framework for subsequent wider deployment of CCS - regulation, EU ETS, Post 2012 Kyoto, etc.

Competition Process

- EU Procurement legislation: Negotiated Procedure, including notice in Official Journal of EU (OJEU)
- Project Information Memorandum and Prequalification Questionnaire on BERR website (www.BERR.gov.uk)
- Prequalification's due 31 March 2008
- Indicative Timetable for appointing preferred bidder May/June 2009

The Wider Picture



The CCS Story continues...

- 2008 Competition prequalification (March)
 CAT Strategy update (ACCAT)
 Further small scale demonstration
 Underpinning regulation and legislation
- Continued international cooperation and support

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