



Update on Near-Zero Emissions in Coal China NZEC

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Background

- G8 Gleneagles & Plan of Action
 - Emphasis CCS
 - Engaging Emerging Economies
- EU-China Summit (September 05)
 - Joint Declaration on Climate Change & Energy



Rationale for EU-China ZEC Collaboration

- **Meet China`s energy demand while reducing the impact on Global Climate**
- **Assess the potential for CO2 Capture & Storage in China**
- **Technology Transfer & collaboration on key new technology**
- **Opportunity for EU and Chinese Industry**
- **Address significant issue for International Climate Change**
- **Strengthen EU-China Political ties**



Overall Objectives for EU-China Near-zero Emissions Coal Cooperation

- 1. Assess the Potential for Near-zero emissions
Coal use through C&S in China**
- 2. Develop Expertise in C&S**
- 3. Develop & Demonstrate in China and EU,
advanced near-zero Emissions Coal Technology
through C&S by 2020**



3 Phase Approach

Phase 1 :	Exploring the Options for Zero Emissions Coal (CCS) in China.	Appraise+Select options: ca. 3 Years 2006-2008
Phase 2:	Define and Design a Demonstration Project.	Define Stage ca 2 Years 2008-2010
Phase 3:	Construct & Operate Demonstration Project.	Execute stage 3-4 Years 2010-2014



UK-China Phase 1 China CCS Assessment

- **Joint Collaboration EU-China**
 - Chinese and European Research partners
 - Institute, University and Industry participation
- **Duration: 3 years**
 - From start
 - Complete by end 2008
- **€4.5- 7.5 Million (++)**
- **Deliverables**
 - Assess Viability of Zero Emissions Coal/CCS in China
 - Screen & Identify Opportunities for Demo & Deployment
 - Identify Financing Issues & Opportunities



Current Status

- UK (Defra)-Chinese (MOST) negotiations now almost complete.
- UKCCSC Partners involved are BGS, Imperial, Cranfield, Heriot Watt
 - Providing expertise/advice for assessing potential of capture and storage
- Launch Autumn 2007
- Budget ~£2m
- Duration ~2 years