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WELCOME



STRACO₂ project

- Project started January 2008-end June 2009/ EC funding
- Assist the development and implementation of a comprehensive regulatory framework for CCS in the EU
- 18 months project with the following research deliverables:
 - 1. Report on Safety and Liability
 - 2. Report on Site Qualification and Liability
 - 3. Report on Incentivisation Measures
 - 4. Report on Cross-cutting Issues
 - 5. Report on International Dimension (China)
- Research will form the basis for future EU-China Cooperation on CCS regulation and implementation



Objectives of STRACO₂ FP7support action (1)

- Identifying **Science and Technology development priorities** for specific themes (certification, qualification, safety liability,...)
- **identify important issues for CCS-regulation** to be taken into account when developing a regulatory framework including: incentivisation schemes, financing mechanisms, international trade,...



Objectives of STRACO₂ (2)

- Facilitate and increase Science and Technology cooperation at the EU level by reviewing and collaborating with other ongoing CCS research activities (COACH, UK NZEC,...)
- to **support** the ongoing development and implementation of a regulatory framework in the EU and China for CCS technologies
- A EU/China bridge \longrightarrow China applicability



Work performed by 5 WP

- **Overview** of current procedures, policies and systems (literature and questionnaire review) by EU and Chinese partners
- Review of ongoing EU and international **projects**
- Identify **knowledge gaps** and recommendations
- **Bilingual** website
- Bringing together many important **stakeholders** from the regulatory, academic and industry sectors, the STRACO₂ workshop on CCS regulation in Brussels serves as a platform to discuss recent developments and future opportunities for CCS regulation



Schedule

- Start in January 2008
- Stakeholders need assessment in July 2008
- Experts meetings in Brussels and Beijing in 2008
- International conference in Brussels, February 2009
- Workshops on CCs regulation in the EU and China in March and April 2009
- Final report in June 2009



Research WP

- **WP 3: Safety and Liability**
 - (led by Ton Wildenborg, TNO, ton.wildenborg@tno.nl)
- **WP 4: Site Qualification and Certification**
 - (led by Sandra Beranger, BRGM, s.beranger@brgm.fr)
- **WP 5: Incentivisation and Financing**
 - (led by Peter Stigson, Mälardalen University, peter.stigson@mdh.se)
- **WP 6: Crosscutting Issues**
 - (led by Mårten Bryngelsson, KTH, mrtn@kth.se)
- **WP 7: CCS policies in China**
 - (led by Zhang Jiutian, ACCA 21, Jiutian.zhang@gmail.com)



Ongoing developments

- Agreement on the directive on geological storage of CO₂, covers all stages and CCS added in the scope of other Directives.
- ETS Directive: CCS will be financially incentivised through the EU ETS from Phase III (2013 - 2020) + allocation for CCS commercial demonstration project and renewable energy
Inclusion of monitoring and reporting guidelines for GHG emissions from the capture transport and geological storage of CO₂, transmitted to E.P. March 2009
- Numerous events around the world



Beijing feedback

- Role of the demonstration projects to support the technical and regulatory framework
- Need to develop collaboration with all the countries involved in CCS development
- Importance of the public awareness at site level, environmental risks
- Requirements for CCS development, integration with industrial production



EC-China bridge

- Since December 2008 the project has built up a direct dialogue on CCS regulation issues with multiple Chinese government agencies to raise awareness of CCS regulation issues.
- After the Beijing workshop the project got supportive feedback from Chinese government institutions
- NDRC mentioned that the project China applicability chapters can give direct input to the preliminary discussions on the Chinese CCS regulation making process, now underway.



Objectives of the workshop

- Contribution of private, academics and authorities to the EU/China partnership (regulation and policies).
- Cross fertilization between the Straco2 actors and the stakeholders.
- Share STRACO2 findings both from the EC and Chinese partners