Final Publishable Executive Summary

Introduction - Project outline

Following the commitment made by the Kyoto protocol, the EU countries are challenged to reduce the emissions of carbon dioxide (CO_2) by 8% during 2008-2012. The majority of the CO_2 emissions within the EU originates from burning of fossil fuels. As demonstrated by an IEA forecast analysis and the WETO study, fossil fuels will continue to be the dominant source of energy, not only in the EU, but also in a global context. There are several options for CO_2 reductions in the power and heat sector.

The whole chain - capture, transport, and long-term storage of CO_2 - is an important component of the proposed measures to reduce CO_2 emissions during the period of transition, whereby renewable energy systems replace fossil fuels as the main energy resource. Application of this concept will allow a gradual evolution in the energy supply system, minimising adverse effects on the European economy and ensuring security of energy supply, whilst adhering to internationally agreed goals for CO_2 emissions reductions.

This **Specific Support Action**, InCA-CO2, aims at **strengthening European excellence and enhancing technical competitiveness** of Europe in the area of CO_2 Capture and Storage (CCS), by:

- Providing to **European stakeholders** support for **the international forums** such as CSLF (Carbon Sequestration Leadership Forum).
- Establishing **international relations** with international projects & programs (US, Canada, Japan, Australia) for exchanging information on past and ongoing projects, and identifying opportunities **for future co-operation**.
- Analysing new information on CCS and providing a coherent view on international activities for **input in policy**.

The consortium is composed of 7 research institutes, key-players in the co-ordination of past and ongoing research projects, actively supported by 4 industrial partners representing different sectors of CO_2 activities.

R&D Institutes	*Industries*
IFP (co-ordinator)	STATOIL
TNO	VATTENFALL
GEUS	ALSTOM POWER
SINTEF	BP

BGS
OGS
BRGM

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Work performed and main results obtained

During the project the following main items have been performed:

WP0 "Project Management"

- Publication of 8 Electronic newsletters on CCS activities in non European CSLF countries, and distribution by e-mail to European stakeholders (EU projects, ZEP, governments, …)

- The following project meetings have been organised:

    - Kick-off meeting in Hoofddorp, The Netherlands, November 4th 2004
    - Paris, June 10th 2005
    - Brussels, September 7th 2005
    - Sunbury, UK, February 21st, 2006
    - Nottingham, Jan. 2008
    - Brussels, July 2007
    - Amsterdam, Oct. 2007

WP1 "Support to the CSLF"

- Participation to CSLF meetings (Technical group and joint meetings)

    - Melbourne, prior to the INCA contract signature (Sept. 04)
    - Technical Group meeting in Oviedo (April 05)
    - Joint Technical Group / Policy group meeting in Berlin (Sept. 05)
    - New Dehli, 2-5 April 06
    - San Francisco, Aug. 06
    - London Nov. 06
    - Paris March 07
    - Al-Khobar Jan. 08

- Organisation of a stakeholder dialogue in Europe (Industry, research, NGO's, ...) prior to the implementation of ZEP's activities.

- Active participation of INCA in several task force of the CSLF.

- Organisation of the technical workshop "overcoming barriers to CCS deployment", CSLF Paris meeting

- Start of actions for the update of the CSLF Technology Roadmap and editing of the first draft of the "Gap Analysis" of the Roadmap.

WP2 "International policy input"

- Editing of a report (white paper): inventory of CCS activities in CSLF countries and gap analysis – Canada, USA, Australia, Japan, Brazil, India …

WP3 "International information exchange"

- Participation of mission trips to China with the EC

- Active participation on international co-operation in FP6: COACH, CAPRICE, MoveCBM, CO2ReMoVe, GeoCapacity, INTAS

- Organisation of a European Project Day during GHGT-8 in Trondheim (2006).