

*Task Force to Identify Gaps in CO₂ Capture and Transport
CSLF Task Force Strategic Implementation Report (TFIR)*

1. Task Force
<ul style="list-style-type: none"> ▪ The task force on identifying the GAPS in existing knowledge of CO₂ capture and transport. ▪ The task force has worked to identify the knowledge GAPS concerning CCS, but limited to the Capture and Transportation steps in the full chain of capture and storage of CO₂. Only technical ways to capture CO₂ are considered, i.e. reforestation and other system-related ways are not included. Technical options should also be read as referring to energy production or in energy related industrial processes. There exist numerous industrial processes where CO₂ can be captured, which are not discussed e.g. in the chemical, petrochemical, food and paper and pulp industries.
2. Task Force Members
<ul style="list-style-type: none"> ▪ Lars Strömberg Vattenfall AB Sweden, representing the European Commission (appointed chairman in Jan 2005) ▪ Chen Wenying Tsinghua University, representing China ▪ Claudio Zeppi ENEL S.p.A. representing Italy ▪ Hubert Höwener Forschungszentrum Jülich GmbH, representing Germany. (replaced in 2006 by Volker Breme, Forschungszentrum Jülich GmbH) ▪ Lars Ingolf Eide Norsk Hydro ASA, representing Norway ▪ Jean-Xavier Morin Alstom, representing France ▪ Germany also added Jürgen-Friederich Hake from Forschungszentrum Jülich to their representation.
3. Purpose of Task Force
<ul style="list-style-type: none"> ▪ The purpose of the Task force is: <ul style="list-style-type: none"> ○ to identify the primary gaps in knowledge and subsequently the research needs related to carbon dioxide capture and transport ○ to provide input to update the R&D Roadmap ▪ During the process several related reports have been published. The outcome both from the IPCC special report on CCS and also the European Zero Emission Technology Platform for Fossil Fuelled Power Plants, are in general terms similar in their conclusions as this report. A separate report comparing the CSLF task force report and the IPCC Special Report has been made.
4. Milestones
<ul style="list-style-type: none"> ▪ The task force was set up in September 2004 ▪ A first Draft of the GAP analysis was presented to the Oviedo meeting in February 2005. ▪ A second Draft was presented in August 2005 and The Technical Group approved the gap analysis on the 29th of September 2005 in its form at that time. However some delegates had not had time to provide their views and a further revision was conducted. ▪ The final version of the report will be presented after a renewed examination process at the Technical Group meeting in London on the 15th of November 2006 ▪ A preliminary report on the differences and similarities between this GAP analysis and the IPCC special report was provided in February 2006 to the Technical Group. ▪ The task force has also provided a proposal to define a second appointment from the meeting of the Technical Group in September 2005 concerning a discussion on process integration, the definition of the task and the R&D needs in this area. This report was provided to the Technical group at end of March 2006.

5. Status

- The GAP report has now been accepted by all delegates concerned in the form which will be presented at the London meeting in November 2006. If the meeting approves, the task force will consider this work finalized.
- The London meeting of the Technical Group should decide if the work on Process Integration shall continue.