

Carbon Sequestration leadership Forum

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Report from
Risk Assessment Task Force

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Task Force Phase I Complete

Phase I Charter (Initiated CSLF London 2006)

- **Examine risk-assessment standards, procedures, and research activities relevant to unique risks associated with the injection and long-term storage of CO₂**
 - **Risks associated with CO₂ near-term (injection) processes (including fracturing, fault re-activation, induced seismicity)**
 - **Risk associated with long-term processes related to impacts of CO₂ storage, including:**
 - **health, safety, and environmental risks**
 - **potential impact on natural resources (such as groundwater, mineral resources, etc.)**
 - **return to the atmosphere**



Phase I Summary

- **Initiated at London (Nov 2006)**
- **Recommendations finalized at Oslo (Apr 2009)**
- **Final draft to Secretariat (May 2009);
circulated to TG for review/comments (summer 2009)**
- **Phase I report complete and submitted to TG (fall 2009)**



Recommendations from the Phase I Report

(section 4.1)

- ***The link between risk assessment and liability should be recognized and considered.***
- ***Storage integrity goals (e.g., acceptable risk levels) for sites should be discussed.***
- ***Risk assessment should be considered in the context of stakeholder outreach and communication.***
 - ***This recommendation was passed to PG***



Phase I Recommendation: Risk Communication

- ***Technical Group passed outreach need to Policy Group.***
 - Policy Group's Communication Task Force—information documents (**“inFocus Carbon Capture & Storage”**)
 - i. Why Carbon Capture and Storage
 - ii. CO₂ Capture—Does it work?
 - iii. CO₂ Transportation—Is it safe and reliable?
 - iv. Is Geologic CO₂ Storage Safe?
 - v. Underground CO₂ Storage: Myth or reality?

Action Item: RATF recommends to TG:

- 1. endorse the Policy Group's proposed 5 inFocus documents for posting to web***
- 2. provide to PG editorial changes by 2 April (comments to G. Guthrie)***
- 3. suggest to PG that an additional communication document may be necessary to clarify the distinction between geologic storage and other CO₂ scenarios (e.g., Lake Nyos)***



Status of Phase II Tasks

- ***Gap assessment to identify CCS-specific tools and methodologies that will be needed to support risk assessment***
 - RATF will leverage IEA-GHG Risk Assessment Network meeting in May (Denver, CO, USA)
 - present CSLF-RATF phase II activity to Network
 - circulate discussions/outbrief from Network to RATF evaluation as input into gap assessment (May/June)
 - coordinate gap assessment for risk assessment with PIRT activity (June/July/August)
- ***Feasibility assessment of developing general technical guidelines for risk assessment that could be adapted to specific sites & local needs.***
 - IEA-GHG RA Network meeting will include presentations on this; outbrief will be circulated to RATF (June) for consideration as basis for developing our phase II plan (next TG meeting)