

Update from Risk Assessment Task Force (RATF)

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Task Force Phase I (complete)

Phase I Charter (Initiated Nov. 2006, London Tech. Group Meeting)

- ➤ 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



Task Force Membership

- > Australia
- > Canada
- > France
- > India
- > Japan

- Netherlands
- > Norway
- United Kingdom
- > United States, chair
- IEA Greenhouse Gas Programme
- > Global CCS Institute
- > Poland

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) (posted at www.cslforum.org)
- Phase II initiated (spring 2010)



Recommendations from the Phase I Report

(section 4.1)

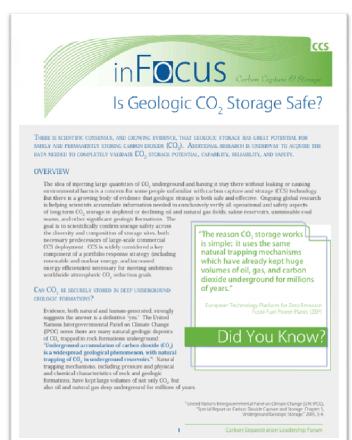
- The link between risk assessment and liability should be recognized and considered.
- Storage integrity goals (e.g., acceptable risk levels) for sites should be discussed.
- Risk assessment should be considered in the context of stakeholder outreach and communication.
 - This recommendation was passed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

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www.c/lforum.org

Outreach/Communication Documents on CSLF Website

- Task Force recommendation to Policy Group was incorporated into development of "inFocus" documents
- Five information documents now posted on http://www.cslforum.org/education
 - "Why Carbon Capture and Storage?"
 - "Is Geologic CO2 Storage Safe?"
 - Underground CO2 Storage: A Reality?"
 - "CO₂ Capture: Does it Works?"
 - "CO₂ Transportation: Is It Safe and Reliable?"
 - "10 Facts About CCS"



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Phase II Tasks (plan from last TG meeting)

- 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) with respect to identification of needs/gaps
 - inform Network of CSLF-RATF phase II activity
 (Complete; presentation at May 2010 IEAGHG RA Network meeting)
 - circulate discussions/outbrief from Network to RATF evaluation as input into gap assessment (IEAGHG to circulate when available)
 - coordinate gap assessment for risk assessment with overarching CSLF gap assessment and development of technology roadmap (in coordination with PIRT activity)
- Feasibility assessment of developing general technical guidelines for risk assessment that could be adapted to specific sites & local needs.
 - (Suggest re-focus around updating Phase I assessment of risk-assessment approaches/drivers within ongoing activities)

ACTION: Request approval to re-focus (anticipate report by summer 2011)