

**Carbon Sequestration leadership forum**

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# **Risk Assessment Task Force**

## ***Technical Group Meeting (15 Mar 2010)***

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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 CO<sub>2</sub>**
  - **Risks associated with CO<sub>2</sub> near-term (injection) processes (including fracturing, fault re-activation, induced seismicity)**
  - **Risk associated with long-term processes related to impacts of CO<sub>2</sub> 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***



## ***Status of Risk Assessment Task Force***

- ***Technical Group passed outreach need to Policy Group.***
  - Policy Group's Communication Task Force—information documents
    - i. Why Carbon Capture and Storage
    - ii. CO<sub>2</sub> Capture—Does it work?
    - iii. CO<sub>2</sub> Transportation—Is it safe and reliable?
    - iv. Is Geologic CO<sub>2</sub> Storage Safe?
    - v. Underground CO<sub>2</sub> Storage: Myth or reality?
- ★ ***Action: Recommend to TG that documents should be revised & posted to web?***
- ***TG recommended that Task Force should proceed to phase II.***
  - Gap assessment to identify CCS-specific tools and methodologies that will be needed to support risk assessment
  - Feasibility assessment of developing general technical guidelines for risk assessment that could be adapted to specific sites & local needs.
- ★ ***Action: What are the next steps for phase II?***