



MEETING SUMMARY
Risk Assessment Task Force Meeting
Bergen, Norway
11 June 2012

Prepared by the CSLF Secretariat

LIST OF PARTICIPANTS

Chairman: Grant Bromhal (United States)

CSLF Delegates

Australia: Richard Aldous, Clinton Foster
Brazil: Paulo Negrais Seabra
Canada: Stefan Bachu
China: Ping Zhong
European Commission: Esthios Peteves
France: Didier Bonijoly
Germany: Jürgen-Friedrich Hake
Italy: Sergio Persoglia
Japan: Ryo Kubo
Korea: Chang-Keun Yi
Netherlands: Paul Ramsak
Norway: Trygve Riis
South Africa: Tony Surridge
Saudi Arabia: Ahmed Aleidan
United Kingdom: Philip Sharman
United States: Joseph Giove

CSLF Secretariat: John Panek, Richard Lynch

Observers

China: Mingyuan Li, Xiaochun Li
Germany: Martin Streibel
Korea: Chonghun Han
Norway: Lars Ingolf Eide, Arne Graue, Åse Slagtern, Aage Stangeland
United Kingdom: Mark Crombie, Vince White
United States: Chris Babel, Robert Finley, Jeff Jarrett, Scott McDonald

1. Welcome and Summary of Task Force Phase I and Phase II Activities

Grant Bromhal of the United States, the Chair of the Risk Assessment Task Force (RATF), welcomed the meeting attendees and provided a short summary of RATF Phase I and Phase II activities.

Dr. Bromhal stated that the RATF was formed at the November 2006 Technical Group meeting in London, and had been assigned the mission of examining risk-assessment standards, procedures, and research activities relevant to unique risks associated with the injection and long-term storage of CO₂. The RATF Phase I Report, completed in 2009, centered on examination of risk-assessment standards, procedures, and research activities relevant to unique risks associated with the injection and long-term storage of CO₂. The Phase I Report included an overview of risk assessment methodologies for engineered geologic systems, a literature review of risk assessment for CO₂ storage, identification of key potential risks, an overview of monitoring & mitigation options that support risk assessment, and a summary of ongoing and emerging activities in CSLF countries. One of the recommendations from the Report was that the link between risk assessment and liability should be recognized and considered. As a result, the CSLF Policy Group has formed a Task Force on Risk and Liability which will call on the Technical Group for assistance as needed.

Dr. Bromhal reported that RATF has completed its Phase II Report, which includes a gaps assessment to identify CCS-specific tools and methodologies that will be needed to support risk assessment and a description of risk-assessment considerations related to various phases of a CO₂ storage project. Appendices to the report include a collection of five “inFocus” outreach documents (developed by the CSLF Communications and Outreach Task Force) and a paper on “Performance-based Standards for Site Safety and Integrity”. The Phase I Report had also recommended that the RATF gather information on what other organizations are doing in the area of technical risk and also conduct a feasibility assessment of developing general technical guidelines for risk assessment that could be adapted to specific sites and local needs. However, both these activities were left undone, the former because it was deemed that the result would be a report that would very quickly become obsolete and of marginal use and the latter because the new Task Force on Risk and Liability would most likely include this as part of its mission.

2. Future Plans / Task Force Closure

Dr. Bromhal noted that the new Policy Group Task Force on Risk and Liability has developed an initial work plan, which includes:

- Performing analyses including (a) a critical review of prior work on liability, and (b) a comparison of liability frameworks that have so far been established;
- Interviewing a sample of key experts from the different disciplines to identify their perspectives on risk, damages and liability. Evaluate the similarities and differences among these stakeholders; and
- Conducting facilitated workshops to identify gaps and methods to address.

The new Task Force on Risk and Liability will be conducting its first workshop in Paris in July, and will make a report on its activities at the 2012 CSLF Annual Meeting in October.

Dr. Bromhal stated that the new Task Force on Risk and Liability is composed of representatives from the RATF as well as members of the Policy Group’s Financing CCS Task Force. Because of this, there no longer appeared to be a need for any Phase III RATF activities. Dr. Bromhal therefore proposed that the RATF be discontinued, and there was consensus to make that recommendation at the next day’s Technical Group meeting. However, it was suggested that the Phase II Report be converted into a journal article and submitted to a peer reviewed journal, such as the *International Journal of Greenhouse Gas Control*, and Dr. Bromhal agreed to oversee that task.

3. Closing Comments / Adjourn

Dr. Bromhal thanked meeting attendees for their input, and adjourned the meeting.

Action Item

Lead	Action
RATF Chairman	Recommend to Technical Group that the RATF be discontinued.
RATF Chairman	Prepare a journal article based on the Phase II Report, as appropriate.