

Carbon Sequestration leadership forum

www.cslforum.org



Task Force Phase I Mission

- **Examine risk-assessment standards, procedures, and research activities relevant to unique risks associated with the injection and long-term storage of CO₂**



Carbon Sequestration leadership forum

www.cslforum.org



Task Force Membership

- **Australia**
- **Canada**
- **France**
- **India**
- **Japan**
- **Netherlands**
- **Norway**
- **United Kingdom**
- **United States, chair**
- **IEA Greenhouse Gas Programme**



Carbon Sequestration leadership forum

www.cslforum.org



Phase I Status

- Phase I draft edited and revised
- Summary of ongoing risk assessment activities expanded
- Recommendations finalized at Oslo
- Final draft to Secretariat mid-April for circulation to TG for review



Carbon Sequestration leadership forum

www.cslforum.org



Potential Impacts Considered

- impingement on pore space not covered under deed or agreement
- impingement on other subsurface resources
- change in local subsurface stress fields and geomechanical properties
- impact on the groundwater and/or surface water
- elevated soil-gas CO₂ in terrestrial ecosystems
- accumulation in poorly ventilated spaces or in low lying areas subject to poor atmospheric circulation
- CO₂ or other displaced gases (such as methane) return to the atmosphere

Carbon Sequestration leadership forum

www.cslforum.org



Recommendations to consider passing to the Policy Group

- *The link between risk assessment and liability should be recognized and considered.*
- *The use of risk assessment to ensure successful performance at storage sites should be considered in the context of stakeholder outreach and communication.*



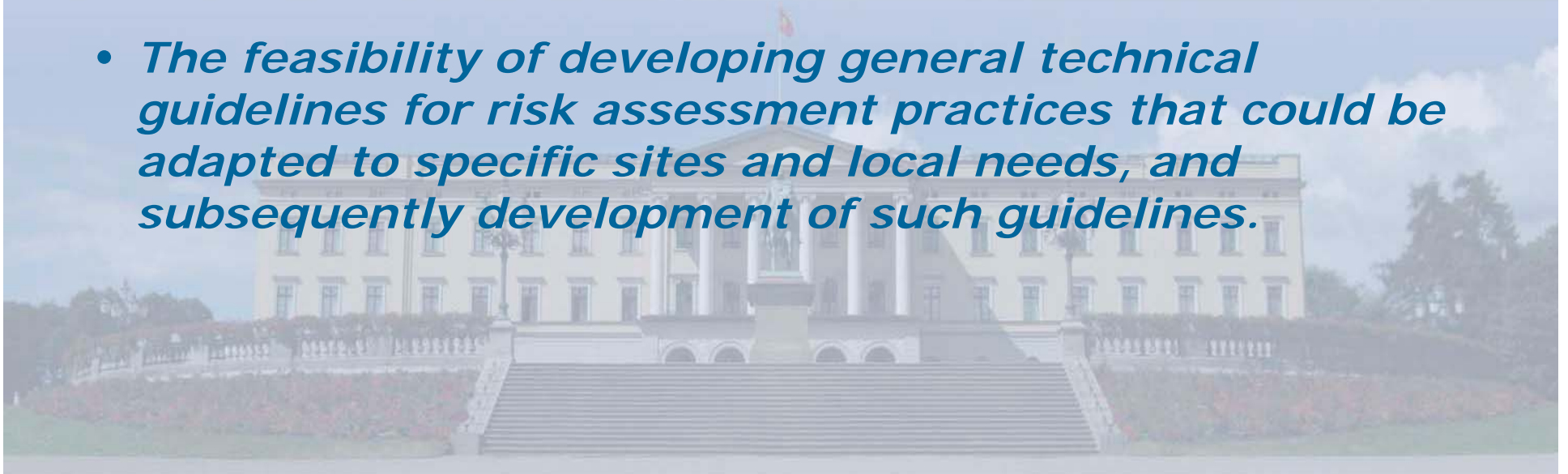
Carbon Sequestration leadership forum

www.cslforum.org



Issues requiring further action

- *A gap assessment to identify CCS-specific tools and methodologies that will be needed to support risk assessment.*
 - Analysis should be considered by PIRT as they identify research areas that the CSLF should encourage.
- *The feasibility of developing general technical guidelines for risk assessment practices that could be adapted to specific sites and local needs, and subsequently development of such guidelines.*



Carbon Sequestration Leadership Forum

www.cslforum.org



Summary of Ongoing Risk Assessment Activities/Projects

Project Title: Include a short title or description of the project.
Lead Organization(s) and Point(s) of Contact (w/e-mail): Focus on lead; the intent is to provide a point of contact as opposed to be inclusive on participants.
Duration: <i>State and completion dates (if applicable): ???</i> <i>Injection and monitoring dates (if applicable): ???</i> <i>Dates & short description of key risk assessment milestones: ???</i>
Scale of Injection (if applicable): For example, XXX tons per year for YYY years. Please spell "million" as applicable.
Risk Assessment Methodology: Include a brief description of the approach and tools used for risk assessment.
Brief Summary: Include a short narrative on the project, discussing key goals and key milestones. If the project includes a field effort, include a brief site description (and/or reference).
Key Risk Assessment Findings (if applicable) Include a short description of key findings and publications/documents from the project, as they relate to risk assessment. Note any lessons learned. If there is a website link to project summary, please provide.

- Form circulated by Secretariat
- Current Summaries
 - Australia
 - Canada
 - France
 - France-Germany
 - Japan
 - USA
 - IEA