



**Carbon Sequestration
Leadership Forum**

**Technical Group
Briefing**



Carbon Sequestration Leadership Forum

Adoption of Agenda:

- **Technical Group decided to delete the “Review of Terms of Reference and Procedures” from the Agenda and provide their comments directly to their Policy Group representative.**





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Review of Minutes

- **With two minor modifications to the text, the Technical Group accepted the Minutes from the June 2003 meeting in Washington**





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Development of a CSLF Database of Projects

- **Agreement reached on**
 - **Asking CSLF and the IEA Greenhouse Programme to work together, The IEA GHG currently has a comprehensive database of projects underway globally on Carbon Sequestration,**
 - **CSLF to derive summary information of projects from the IEA GHG database**
 - **IEA GHG database in turn to specifically identify CSLF endorsed projects**
 - **Some modifications made to the CSLF data base template to add “*end dates*”, “*names of project coordinators*” and “*locations*” of projects.**
 - **The CSLF data base will hold in addition to data on projects, information from major studies undertaken on Carbon Sequestration by its members**
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- **Discussion of Project Recommendation Guidelines**

The following modified guidelines were adopted:

- 1. Is proposed project supported by at least two CSLF Members?**
 - 2. Is project consistent with the CSLF Charter?**
 - 3. Are national environmental, safety, and health concerns addressed?**
 - 4. Are project sponsors willing to share non-proprietary project information with other CSLF Members?**
 - 5. Will visits to the project site be allowed for representatives of CSLF Members?**
 - 6. Will the expected information from the project be sufficient to allow others to make improved estimates of the technology's potential technical performance, costs, and benefits for any future applications?**
 - 7. Will the project be started and major milestones reported prior to expiration of CSLF Charter (currently 2013)?**
 - 8. Will summaries be made available, in English, for the CSLF web site?**
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Carbon Sequestration Leadership Forum

CSLF Vision Statement Developed by Technical Group

The Carbon Sequestration Leadership Forum (CSLF) will facilitate the development and deployment of technologies for the separation, capture, transportation and long term storage of carbon dioxide. The CSLF will advance technological capacity by collaborative efforts to address key technical, economic, environmental, and social issues. The CSLF will also promote awareness and champion legal, regulatory, financial, and institutional initiatives conducive to such technologies. The CSLF will advance collaborative projects in many regions of the world, demonstrating the sustainability, safety and cost-effectiveness of carbon sequestration.



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- **Roadmap Discussion Outcomes:**
 - **Roadmap needs a more integrated framework that reflects national and CSLF needs.**
 - **Current Roadmap is too project specific and needs to be more generalized**
 - **National plans need to be reflected in the CSLF Roadmap**
 - **Need for guiding principles on how collaboration would work and identification of core collaborative R&D challenges unique to the CSLF- there is a need to show real added benefit from the CSLF**
 - **Need to identify gaps that can be closed by the CSLF complimentary to national and regional efforts**
 - **Consistency of wording**
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- **Roadmap Discussion Outcomes (Continued):**
 - **Mapping of geological storage potential seen as essential starting point**
 - **The current Roadmap is too geographically and geologically specific**
 - **Need to identify “low hanging fruit”, which will be country specific**
 - **Retain 2013 as a timeline, but as a key milestone, not as an end date of the Roadmap**
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- **Roadmap Discussion Outcomes- Specific Actions:**

Modify CSLF Roadmap and timeline for closure

- **UK to provide framework information based on preceding principles to Secretariat before January 30, 2004**
 - **Secretariat to send framework information to Technical Group before February 7, 2004**
 - **Technical Group should provide revisions to Secretariat by February 27, 2004**
 - **Revised text to be circulated by Secretariat by March 26, 2004 and final comments returned by April 23, 2004**
 - **“Final Draft” of Roadmap to be circulated by Secretariat by May 28, 2004**
 - **CSLF Technology Roadmap Adhoc Task Force meeting on 20 August 2004 following the IPCC Lead Authors Meeting in Brazil**
 - **Document to be ready for Ministerial Meeting in Melbourne**
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- **Roadmap Discussion Outcomes- Specific Actions:**
 - **National:**
 - **Gap/needs analysis**
 - **Some country roadmaps available by September 2004**
 - **Others encouraged to follow**
 - **Geological storage potential mapping**
 - **CSLF:**
 - **Revised format**
 - **Information from Applied R&D projects to underpin framework**
 - **Information from demonstration (pilot projects)- developed and underway**
 - **2013 milestone (not the end of things)**
 - **Mechanism for feedback from national programs and vice versa to develop “a living document”**
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Technical Group

**List of Proposed Projects
Nominated by Members**



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- **Canada**
 - **CETC R & D Oxyfuel Combustion for CO₂ Capture**
 - **ITC - CO₂ Capture with Chemical Solvents**
 - **ARC – Enhanced Coal Bed Methane Recovery Project**
 - **European Commission**
 - **CO₂SINK**
 - **Castor**
 - **Japan**
 - **CO₂ Separation from High Pressure Gas Stream**
 - **Estimate of CO₂ Storage Potential in East Asia**
 - **Feasibility Study on CO₂ Storage in a Geothermal Field**
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- **United Kingdom**
 - CO2 Capture Project (Phases I and II)
 - **United States**
 - IEA Weyburn II CO2 Storage Project (*also nominated by Canada*)
 - Frio Brine Sequestration Project
 - **Norway**
 - CO2 Store
 - **Japan**
 - Ocean CO2 Perturbation Experiment (*subject to Policy Group Deliberations*)
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Summary information on Projects

- **A total of 12 (+1) projects**
 - **CO₂ Separation and Capture Projects**
 - 7 addressing post, pre combustion and oxyfuel
 - **Geological CO₂ Storage Projects**
 - 9 addressing storage, risk assessment and MMV in various geological media
 - **Nature of Projects**
 - Covering a broad range from feasibility studies, basic research, pilot and demonstration scale to integrated capture & storage *projects* or *programs*
 - **Portfolio covering a broad range of “*financial investment*” and “*project duration*”**
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Recommendation for Project Selection

- **An interim task force formed to recommend project selection**
 - Comprising of Chair & Vice Chairs, Australia, India, Japan & Secretariat
 - **Criteria for Assessment**
 - All to be screened using the 8 point project recommendation guidelines adopted by group
 - **Time line for Decision**
 - Process for assimilating information from proponents initiated by secretariat after meeting
 - Task force to recommend final list by end of April
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