

# Carbon Sequestration leadership forum

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## **TECHNICAL GROUP**

### **Status of March 2010 Technical Group Meeting Action Items**

Barbara N. McKee  
*Tel:* +1 301 903 3820  
*Fax:* +1 301 903 1591  
CSLFSecretariat@hq.doe.gov



## STATUS OF MARCH 2010 TECHNICAL GROUP MEETING ACTION ITEMS

*Note by the Secretariat*

### Background

The Secretariat, after coordinating with the Technical Group Executive Committee, has developed a summary of the status of Action Items from the Carbon Sequestration Leadership Forum Technical Group meeting of 15-16 March 2010 in Pau, France.

### Action Requested

The Technical Group is requested to review the status of the Action Items from the March 2010 Technical Group meeting in Pau, France.

## Status of Actions Items from Pau CSLF Technical Group Meeting

Item	Lead	Action	Status
<i>General</i>			
1	Technical Group Chair, Secretariat	Provide the Technical Group's recommendation to the Policy Group that the Gorgon CO <sub>2</sub> Injection Project be recognized by the CSLF.	Technical Group Chairman Riis will report on these at Joint Meeting of Policy and Technical Groups.
2	Technical Group Chair	Provide the Technical Group's recommendation to the Policy Group that the CSLF Charter be extended past its current expiry date of 2013.	
3	Technical Group Chair	Provide Technical Group's recommendation to the Policy Group that the Policy Group should consider forming a new task force for assessing the progress in closing policy-related gaps such as regulatory issues.	
4	Secretariat	Post the updated PIRT Terms of Reference to the CSLF website.	<b>Completed.</b>
5	Secretariat	Coordinate with IEA GHG about distribution of IEA GHG technical reports to CSLF Members who are not also members of the IEA GHG.	<b>Completed.</b> IEA GHG will respond to CSLF requests for technical reports on case-by-case basis. IEA GHG will also provide copies of any reports originating from requests by CSLF Technical Group to Secretariat for distribution to CSLF delegates.
6	Canada	Develop and submit to IEA GHG a proposal for a study of progress regarding the potential for CO <sub>2</sub> storage in shales. The project scope should include an analysis of resource conflict (i.e., impact on damage of cap rock from shale gas production). <i>Target Date: 31 May 2010</i>	<b>Completed.</b> Proposals were written by Stefan Bachu and submitted to IEA GHG. IEA GHG will report status of these proposals at Technical Group Meeting.
7	Canada	Develop and submit to IEA GHG a proposal for a study of progress regarding the potential for CO <sub>2</sub> storage in basalts. <i>Target Date: 31 May 2010</i>	

## Status of Actions Items from Pau CSLF Technical Group Meeting

Item	Lead	Action	Status
<i>Technology Gaps and Roadmap</i>			
8	Australia	Form new Task Force on Assessing the Progress of Closing the Gaps with four working groups: <ul style="list-style-type: none"> <li>• <u>Capture</u>: United States lead</li> <li>• <u>Transport and Infrastructure</u>: Netherlands lead</li> <li>• <u>Storage</u>: Canada lead</li> <li>• <u>Integration</u>: Global CCS Institute lead</li> </ul> <p style="text-align: right;"><i>Target Date: 30 June 2010</i></p>	<b>Completed.</b> Working Groups will report progress at the Technical Group meeting in October.
9	Secretariat	Contact CSLF delegations not present in Pau and offer them the opportunity to participate in any or all of the four working groups under the new Task Force.	<b>Completed.</b> Offer was also extended to Stakeholders and Project Sponsors. Several additions to each Working Group resulted.
10	IEA GHG	Inform Secretariat if it wishes to participate in any or all of the four working groups under the new Task Force.	<b>Completed.</b> IEA GHG is now represented in each Working Group.
11	Global CCS Institute	Update Module 1 (Current Status of CO <sub>2</sub> Capture and Storage Technology) of CSLF Technology Roadmap with new cost information.  <p style="text-align: right;"><i>Target Date: 01 June 2010</i></p>	<b>Completed.</b>
12	Norway (lead), United States, Global CCS Institute	Update Module 3 (Gap Identification) of Roadmap.  <p style="text-align: right;"><i>Target Date: 01 June 2010</i></p>	<b>Completed.</b> Module 0 was also updated.
13	Delegates	Provide updated information to Secretariat for the following sections of Module 2 (Current Status of CO <sub>2</sub> Capture and Storage) of the Roadmap: <ul style="list-style-type: none"> <li>• Section 2.3: CCS Project Activities</li> <li>• Section 2.4: Demonstration and Research Activities</li> <li>• Section 2.5: R&amp;D Components in Member Countries</li> </ul> <p style="text-align: right;"><i>Target Date: 01 July 2010</i></p>	<b>Completed.</b> Australia, Canada, China, Denmark, European Commission, Global CCS Institute, Greece, Italy, Japan, Mexico, Netherlands, Norway, South Africa, and United States provided comments.
14	Secretariat	Assemble new draft of Roadmap using the updates for Modules 1, 2 and 3; provide draft of updated Roadmap to PIRT.  <p style="text-align: right;"><i>Target Date: 31 July 2010</i></p>	<b>Completed.</b>

## Status of Actions Items from Pau CSLF Technical Group Meeting

Item	Lead	Action	Status
15	Secretariat, PIRT	Complete Roadmap updating process. <i>Target Date: October 2010</i>	In progress.
<i>Projects</i>			
16	Secretariat	Post the updated CSLF Project Submission Form to the CSLF website.	Completed.
17	Secretariat	Prepare and send out to each CSLF-recognized project for verification an individual gap analysis worksheet based on the preliminary gaps analysis matrix.	Completed. Responses were received from 15 projects. Secretariat has written paper that summarizes results.
18	Norway (lead), United States, Global CCS Institute	Prepare a technology readiness assessment for all CSLF-recognized projects using the following readiness levels: <ul style="list-style-type: none"> <li>• Laboratory / bench scale</li> <li>• Sub-scale pilot</li> <li>• Full-scale demonstration</li> <li>• First-of-a-kind commercial</li> </ul> Enabling Technologies and Applied Research should also be identified.	In progress.
19	Delegates	Contact representatives of CSLF-recognized projects that are located in their countries to get answers for the following questions: <ul style="list-style-type: none"> <li>• What do you need to make the project succeed?</li> <li>• What advantages do you see from greater CSLF project interaction?</li> <li>• What else should the CSLF do?</li> <li>• Would you be interested in participating in a conference / workshop on CSLF projects? <ul style="list-style-type: none"> <li>– If so, what format is desirable for you?</li> </ul> </li> </ul> Provide any information obtained to Secretariat.	Completed. Information was received from 17 projects. Secretariat has written paper that summarizes results.
20	Australia, Global CCS Institute, Secretariat	Develop plan for attracting new projects based on responses from questions asked to project representatives.	In progress.

## Status of Actions Items from Pau CSLF Technical Group Meeting

Item	Lead	Action	Status
21	Australia, PIRT, Technical Group Executive Committee, Global CCS Institute, Secretariat	Develop plan for implementing a projects workshop based on consideration of the workshop options paper prepared by Australia and the Global CCS Institute, in addition to the responses from project representatives and gaps analysis.	In progress. Australia has written paper that reviews options for a Projects Workshop.
22	Secretariat	Summarize all completed CSLF-recognized projects in a format similar to the IEA GHG online projects database, and make the summary available at the CSLF website.	In progress.
<i>Risk Assessment</i>			
23	Delegates	Provide comments on five “inFocus Carbon Capture and Storage” outreach documents to the Risk Assessment Task Force Chair. <i>Target Date: 02 April 2010</i>	Completed.
24	Risk Assessment Task Force Chair	Provide any recommendations for editorial changes for the five “inFocus” outreach documents to the Policy Group’s Communications Task Force.	Completed.
25	Risk Assessment Task Force Chair	Suggest to the Communications Task Force that an additional communication document should be considered to clarify the distinction between geologic storage and natural CO <sub>2</sub> leakage scenarios, including Lake Nyos in Cameroon.	Completed. Communications Task Force may do additional document at later date, if needed.