



Carbon Sequestration Leadership Forum 2010 Annual Meeting

Review of Pau Meeting Action Items

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CSLF Technical Group Meeting

Warsaw, Poland





General Action Items

WISŁA
JÓZEF
PIŁSUDSKI
1863-1935



Action Item #1

Lead: Technical Group Chair & Secretariat

- Action: Provide the Technical Group's recommendation to the Policy Group that the Gorgon CO₂ Injection Project be recognized by the CSLF
- Status: Technical Group Chairman Riis will report on these at Joint Meeting of Policy and Technical Groups

Action Item #2



Lead: Technical Group Chair

- Action: Provide the Technical Group's recommendation to the Policy Group that the CSLF Charter be extended past its current expiry date of 2013
 - Status: Technical Group Chairman Riis will report on these at Joint Meeting of Policy and Technical Groups
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Action Item #3



Lead: Technical Group Chair

- Action: 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
 - Status: Technical Group Chairman Riis will report on these at Joint Meeting of Policy and Technical Groups
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Action Item #4

Lead: Secretariat

- Action: Post the updated PIRT Terms of Reference to the CSLF website
- Status: Completed



Action Item #5

Lead: Secretariat

- Action: Coordinate with IEA GHG about distribution of IEA GHG technical reports to CSLF Members who are not also members of the IEA GHG
 - Status: Completed
 - 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
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Action Item #6

Lead: Canada

- Action: Develop and submit to IEA GHG a proposal for a study of progress regarding the potential for CO₂ 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) *Target Date: 31 May 2010*
 - Status: Completed
 - Proposals were written by Stefan Bachu and submitted to IEA GHG
 - IEA GHG will report status of these proposals at Technical Group Meeting
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Action Item #7

Lead: Canada

- Action: Develop and submit to IEA GHG a proposal for a study of progress regarding the potential for CO₂ storage in basalts

Target Date: 31 May 2010

- Status: Completed
 - Proposals were written by Stefan Bachu and submitted to IEA GHG
 - IEA GHG will report status of these proposals at Technical Group Meeting
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The background of the slide is a faded photograph of a large, classical-style building with many windows and a central entrance. In the foreground, there is a large, dark, rectangular monument with a statue of a man on a horse. The monument has some text on it, including "KSIĄDZ JÓZEF POŃIATOWSKI 1763-1813".

Technology Gaps and Roadmap Action Items

Action Item #8



Lead: Australia

- Action: Form new Task Force on Assessing the Progress of Closing the Gaps with four working groups:
 - Capture: United States lead
 - Transport and Infrastructure: Netherlands lead
 - Storage: Canada lead
 - Integration: Global CCS Institute lead
- Target Date: 30 June 2010*
- Status: Completed - Working Groups will report progress at the Technical Group meeting in October
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Action Item #9

Lead: Secretariat

- Action: 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
 - Status: Completed
 - Offer was also extended to Stakeholders and Project Sponsors
 - Several additions to each Working Group resulted
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Action Item #10



Lead: IEA GHG

- Action: Inform Secretariat if it wishes to participate in any or all of the four working groups under the new Task Force
- Status: Completed - IEA GHG is now represented in each Working Group

Action Item #11



Lead: Global CCS Institute

- Action: Update Module 1 (Current Status of CO₂ Capture and Storage Technology) of CSLF Technology Roadmap with new cost information
Target Date: 01 June 2010
- Status: Completed

Action Item #12



Lead: Norway (lead), United States,
Global CCS Institute

➤ Action: Update Module 3 (Gap Identification) of Roadmap

Target Date: 01 June 2010

➤ Status: Completed - Module 0 was also updated

Action Item #13



Lead: Delegates

- Action: Provide updated information to Secretariat for the following sections of Module 2 (Current Status of CO₂ Capture and Storage) of the Roadmap:

- Section 2.3: CCS Project Activities
- Section 2.4: Demonstration and Research Activities
- Section 2.5: R&D Components in Member Countries

Target Date: 01 July 2010

- Status: Completed - Australia, Canada, China, Denmark, European Commission, Global CCS Institute, Greece, Italy, Japan, Mexico, Netherlands, Norway, South Africa, and United States provided comments
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Action Item #14



Lead: Secretariat

- Action: Assemble new draft of Roadmap using the updates for Modules 1, 2 and 3; provide draft of updated Roadmap to PIRT

Target Date: 31 July 2010

- Status: Completed



Action Item #15

Lead: Secretariat, PIRT

- Action: Complete Roadmap updating process.
Target Date: October 2010
- Status: In progress





Project Action Items

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Action Item #16



Lead: Secretariat

- Action: Post the updated CSLF Project Submission Form to the CSLF website
- Status: Completed



Action Item #17



Lead: Secretariat

- Action: Prepare and send out to each CSLF-recognized project for verification an individual gap analysis worksheet based on the preliminary gaps analysis matrix
 - Status: Completed - Responses were received from 15 projects and Secretariat has written paper that summarizes results
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Action Item #18



Lead: Norway (lead), United States,
Global CCS Institute

- Action: Prepare a technology readiness assessment for all CSLF-recognized projects using the following readiness levels:
 - Laboratory / bench scale
 - Sub-scale pilot
 - Full-scale demonstration
 - First-of-a-kind commercial
 - Enabling Technologies and Applied Research should also be identified
 - Status: In progress
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Action Item #19



Lead: Delegates

- Action: Contact representatives of CSLF-recognized projects that are located in their countries to get answers for the following questions:
 - What do you need to make the project succeed?
 - What advantages do you see from greater CSLF project interaction?
 - What else should the CSLF do?
 - Would you be interested in participating in a conference / workshop on CSLF projects?
 - If so, what format is desirable for you?
 - Provide any information obtained to Secretariat
 - Status: Completed - Information was received from 17 projects and Secretariat has written paper that summarizes results
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Action Item #20



Lead: Australia, Global CCS Institute, Secretariat

- Action: Develop plan for attracting new projects based on responses from questions asked to project representatives
- Status: In progress

Action Item #21



Lead: Australia, PIRT, Technical Group Executive Committee, Global CCS Institute, Secretariat

- Action: 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
 - Status: In progress
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Action Item #22



Lead: Secretariat

- Action: 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
- Status: In progress



Risk Assessment Action Items

Action Item #23



Lead: Technical Group Chair & Secretariat

- Action: Provide comments on five “inFocus Carbon Capture and Storage” outreach documents to the Risk Assessment Task Force Chair

Target Date: 02 April 2010

- Status: Completed

Action Item #24



Lead: Risk Assessment Task Force Chair

- Action: Provide any recommendations for editorial changes for the five “inFocus” outreach documents to the Policy Group’s Communications Task Force
- Status: Completed

Action Item #25



Lead: Risk Assessment Task Force Chair

- Action: Suggest to the Communications Task Force that an additional communication document should be considered to clarify the distinction between geologic storage and natural CO₂ leakage scenarios, including Lake Nyos in Cameroon
 - Status: Completed - Communications Task Force may do additional document at later date, if needed
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Technical Group Action Plan

KSIĄDZ
JÓZEF
PONIATOWSKI
1763-1813

Near Term Actions

(Next 6 Months)



Near Term Actions	Lead Responsibility	Status
Develop and submit to IEA GHG two proposals for studies of progress regarding the potential for CO ₂ storage in unconventional media (by May 31 st)	Canada	Completed
Provide updates for Module 1 of CSLF Technology Roadmap (by June 1 st)	Global CCS Institute	Completed
Provide updates for Module 3 of CSLF Roadmap (by June 1 st)	Norway	Completed
Form a new Task Force for Assessing Progress on Closing the Gaps (by June 30 th)	Australia	Completed
Provide updates for Module 2 of CSLF Technology Roadmap (by July 1 st)	Delegates	Completed

Near Term Actions

(Next 6 Months)



Near Term Actions	Lead Responsibility	Status
Assemble a new draft of Roadmap using the updates for Modules 1, 2 and 3; provide draft of updated Roadmap to PIRT (by July 31 st)	Secretariat	Completed
Complete Roadmap update (by October)	PIRT	In Progress
Develop a plan for attracting new projects based on responses from questions asked to project representatives	Australia	In Progress
Prepare a technology readiness assessment for all CSLF-recognized projects	Norway	In Progress
Prepare an options paper that can be used to develop a plan for implementing a projects workshop	Australia, Global CCS Institute	Completed

Longer Term Actions



Longer Term Actions

Accomplish periodic assessments of gaps and upgrades of the CSLF Technology Roadmap

Completion of activities by the new Task Force for Assessing Progress on Closing the Gaps

Promote awareness of activities among the CSLF Members and stakeholders

Engage projects through workshops, events, and networks

Pursue opportunities for collaboration with other organizations