



MEETING SUMMARY

Projects Interaction and Review Team (PIRT) Meeting

Seoul, Korea

24 March 2014

Prepared by the CSLF Secretariat

LIST OF ATTENDEES

PIRT Active Members *(as of the beginning of the meeting)*

Australia:	Clinton Foster (Chair)
Canada:	Eddy Chui
European Commission:	Jeroen Schuppers
France:	Didier Bonijoly
Japan:	Ryozo Tanaka
Norway:	Trygve Riis, Lars Ingolf Eide
Saudi Arabia:	Ahmed Aleidan
South Africa:	Tony Surrridge
United Kingdom:	Philip Sharman
United States:	Mark Ackiewicz
IEA GHG:	Tim Dixon

Other CSLF Delegates

Australia:	Richard Aldous
Canada:	Stefan Bachu
China:	Jiutian Zhang, Xiaochun Li
Korea:	Chong Kul Ryu, Chang Keun Yi
Mexico:	Edgar Santoyo-Castelazo
Netherlands:	Paul Ramsak
Saudi Arabia:	Hamoud Alotaibi
United States:	Geo Richards

CSLF Secretariat

Richard Lynch

Observers

Korea:	Seong Jegarl
United States:	John Harju, Edward Steadman

1. Welcome and Summary of Previous PIRT Meeting

PIRT Chairman Clinton Foster welcomed participants to the 21st meeting of the PIRT and provided a brief summary of the November 2013 PIRT meeting in Washington. At that meeting the PIRT reached consensus on the following:

- The PIRT recommended approval by the Technical Group for three projects: the Kemper County Energy Facility, the Southeast Regional Carbon Sequestration Partnership (SECARB) Phase III Anthropogenic Test and Plant Barry CCS Project, and the Midwest Region Carbon Sequestration Partnership (MRCSP) Development Phase Project.
- The PIRT agreed to an update to the PIRT Terms of Reference and an update to the CSLF Project Submission Form.

Dr. Foster then called on Richard Lynch, who stated that John Panek had received a new assignment and would not be representing the CSLF Secretariat at the current PIRT and Technical Group meetings. Dr. Foster expressed his appreciation to Mr. Panek, who had diligently represented the CSLF Secretariat at PIRT meetings since 2005. The meeting attendees also expressed their appreciation for Mr. Panek with a round of applause.

2. Adoption of Meeting Agenda

The meeting Agenda was adopted with no changes.

3. Introduction of Meeting Attendees

PIRT meeting attendees introduced themselves. In all, fourteen CSLF delegations were represented at the meeting.

4. Approval of Meeting Summary from Washington PIRT Meeting

The Meeting Summary from the November 2013 PIRT meeting in Washington was approved as final with the following changes:

- Remove the three questions shown under “Project Timeline” in the Revised Project Submission Form attachment to the Meeting Summary. There had been consensus at the previous PIRT meeting to eliminate these questions, but they had inadvertently been included in the version of the Revised Form appended to the Meeting Summary.
- In the descriptions of the three projects nominated for CSLF recognition, change “After brief discussion, there was consensus by the PIRT to recommend...” to: “After a comprehensive discussion, there was consensus by the PIRT to recommend...” This change reflects the additional level of analysis done by the PIRT relative to the Technical Group concerning approval of nominated projects.

Dr. Foster noted that there had been two action items from the meeting:

- The CSLF Secretariat was requested to prepare newly updated versions of the PIRT Terms of Reference and the CSLF Project Submission Form, incorporating edits approved during the PIRT meeting.
- The PIRT Chair was to obtain further information from the Global Carbon Capture and Storage Institute (GCCSI) about its proposal for a co-branded CSLF-GCCSI Knowledge Hub website and other GCCSI knowledge sharing activities relevant to the PIRT.

Dr. Foster stated that both of these had been completed, and that the knowledge-sharing was an upcoming item on the current meeting's agenda.

5. Update on PIRT Membership

Dr. Foster noted that the updated PIRT Terms of Reference document that was ratified at the November 2013 meeting in Washington redefined the PIRT as a core group of active members comprised of CSLF Technical Group delegates and/or other CCS experts nominated by CSLF Member countries, and also an *ad-hoc* group of stakeholders comprised of representatives from CSLF-recognized projects. As of the beginning of the current meeting, ten CSLF Members as well as the IEA Greenhouse Gas R&D Programme (IEA GHG) had designated representatives to the PIRT core group. Dr. Foster inquired if there were any more volunteers to join the core group, which resulted in three new active members being added: Jiutian Zhang (China), Edgar Santoyo-Castelazo (Mexico), and Paul Ramsak (Netherlands).

6. Discussion of Knowledge-Sharing from CSLF-Recognized Projects

Dr. Foster stated that Sean McCowry, the General Manager for Information Management at the GCCSI, was not able to be at this meeting but had provided a presentation about the new “**decarboni.se**” website. This is an “unbranded” website, created and managed by the GCCSI, which is intended to be a repository of information related to low-emissions technologies, including CCS. The website was created to facilitate knowledge-sharing, and includes publications, news items, and op-ed insights related to these technologies. Dr. Foster stated that the intention of this website is to be a knowledge hub for these technologies, providing platforms for organizations and corporations to build knowledge-sharing mini-websites within the knowledge hub. The CSLF is one of more than 400 such organizations.

Ensuing discussion attempted to clarify how information is brought into **decarboni.se** and who is responsible for providing and collecting this information. Dr. Foster noted that, at present, the GCCSI Information Management Team is exclusively responsible for populating the website, though specifics are needed on how this is done and what kinds of information are being featured. In the end, there was consensus that the PIRT include updates from the GCCSI about **decarboni.se** and other CCS-related knowledge-sharing activities in its meetings, and that the Secretariat should add a link to **decarboni.se** from the CSLF website.

7. Update Plan for CSLF Technology Roadmap

Dr. Foster stated that as of the 2013 CSLF Ministerial Meeting, the PIRT has assumed responsibility for the CSLF Technology Roadmap (TRM), including producing future updates on a schedule as determined by the Technical Group. To accomplish this, the 2013 TRM provides that the PIRT, through the CSLF Secretariat, will:

- Solicit input with respect to progress of CCS from all CSLF delegations;
- Gather information from a wide range of sources on the global progress of CCS;
- Prepare a simple reporting template for the eight “Identified Technology Needs” from the 2013 TRM;
- Report annually to the CSLF Technical Group; and
- Report biennially, or as required, at CSLF Ministerial Meetings.

To that end, Dr. Foster proposed that a questionnaire or information-gathering template of some kind be developed for sending to representatives of organizations that are actively working on various aspects of CCS. There was general agreement on this approach and after much discussion on how it should be implemented there was consensus on the following plan of action:

- The CSLF Secretariat will prepare a template for gathering information on the eight “Identified Technology Needs” areas, and send the template to outside organizations.
- PIRT Active Members will be responsible for sorting through information gathered in order to determine and monitor worldwide progress in each of these areas.

Dr. Foster stated that the results of this survey would be used to develop a 2014 Progress Report Addendum for the 2013 TRM and potentially a 2015 Interim Report for the next CSLF Ministerial Meeting. There would not be a major rewrite of the TRM until 2017, in time for another Ministerial Meeting. There was agreement for this timeline, and after a call for volunteers to take charge of information analysis for each of the eight needs areas, the following responsibilities were assigned:

- Area #1: CO₂ Capture Technologies in Power Generation (*Norway*)
- Area #2: CO₂ Capture in Industrial Sector (*South Africa and United Kingdom*)
- Area #3: CO₂ Transport (*Australia*)
- Area #4: Large-Scale CO₂ Storage (*Japan and France*)
- Area #5a: Monitoring (*United States and France*)
- Area #5b: Mitigation / Remediation (*European Commission*)
- Area #6: Understanding the Storage Reservoirs (*United Kingdom – to be confirmed*)
- Area #7: Infrastructure (*United Kingdom – to be confirmed*)
- Area #8a: CO₂ Utilization, non-EOR (*France – to be confirmed*)
- Area #8b: CO₂ Utilization, EOR (*Saudi Arabia and Canada*)

Philip Sharman complimented Dr. Foster for his preparation of the graphical timetable of PIRT activities, which Mr. Sharman described as the best he had ever seen. Mr. Sharman noted that while this timeline may very well change, it was still an excellent starting point. (*Note: the graphical PIRT timeline is appended to this Meeting Summary.*)

8. PIRT Action Plan

Dr. Foster noted that the TRM activities were just one part of the overall PIRT Action Plan. There are also some ‘business-as-usual’ (BAU) activities such as review of projects nominated for CSLF recognition, knowledge sharing, and planning of future technology workshops. Dr. Foster stated that the PIRT had recently updated its Terms of Reference, and may need further refining of its areas of activities during the roll-up toward a 2017 Ministerial Meeting. Updating the PIRT Action Plan will most likely become one of the PIRT’s BAU activities.

9. Adjourn

Dr. Foster thanked the attendees for their participation, expressed his appreciation to the host Korean delegation for its hospitality, and adjourned the meeting.

Summary of Consensuses

- Three new members are added to the PIRT’s active membership core group.
- PIRT meetings will include updates from the GCCSI about its **decarboni.se** knowledge hub website and other CCS-related knowledge-sharing activities.

Summary of Action Items

- The Secretariat will finalize the Summary for the November 2013 PIRT meeting including the modifications described above.
- The Secretariat will add a link from the CSLF website to the GCCSI’s new **decarboni.se** website.
- The Secretariat will develop a template for use in gathering information on the eight “Identified Technology Needs” areas identified by the 2013 TRM. The template will be approved by the PIRT Chair prior to its use.
- The Secretariat will send the template to representatives of organizations that are actively working on various aspects of CCS to obtain information that can be used to determine and monitor worldwide progress on CCS.
- PIRT Active Members, as designated above, will take charge of information analysis for the eight needs areas once information gathering is complete.
- The PIRT will produce a 2014 Progress Report Addendum for the 2013 TRM.

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PIRT Action Time Line

