



Projects Interaction and Review Team

30 April 2017

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PIRT Chair
Australia



Agenda

1. Welcome and Opening Remarks
2. Introduction of Attendees
3. Adoption of Agenda
4. Approval of Summary from Tokyo PIRT Meeting
5. Report from Secretariat
6. 2017 CSLF Technology Roadmap (TRM) Update
7. Review of Project Proposed for CSLF Recognition: Al Reyadah CCUS Project
8. Review of Project Proposed for CSLF Recognition: Carbon Capture Simulation Initiative / Carbon Capture Simulation for Industry Impact (CCSI/CCSI²)
9. Review of Project Proposed for CSLF Recognition: National Risk Assessment Partnership (NRAP)
10. Update on CSLF-recognized Projects Engagement Activities
11. Open Discussion on Possible New Technical Group Activities
12. General Discussion and New Business
13. Action Items and Next Steps
14. Closing Comments / Adjourn



Projects for CSLF Recognition

- CCS projects seeking CSLF recognition will be considered on their technical merit.
- Projects for consideration must contribute to the overall CSLF goal to “accelerate the research, development, demonstration, and commercial deployment of improved cost-effective technologies for the separation and capture of carbon dioxide for its transport and long-term safe storage or utilization”.



Projects recognition criteria

- There is no restriction on project type to be recognized as long as the project meets the criteria listed below.
- Learnings from similar projects through time will demonstrate progress in CCS.
- Proposals will meet at least one of the following criteria.
 - An integrated CCS project with a capture, storage, and verification component and a transport mechanism for CO₂.
 - Demonstration at pilot- or commercial-scale of new or new applications of technologies in at least one part of the CCUS chain.
 - Demonstration of safe geological storage of CO₂ at pilot- or commercial-scale.



Discussion on recognition criteria

- Are the criteria still appropriate?
- Do they unintentionally exclude appropriate projects?
- Criteria only refer to CCS with only limited reference to CCUS?



Projects seeking CSLF recognition

- Al Reyadah CCUS Project
Dipak Sakaria
Abu Dhabi Carbon Capture Company (Al Reyadah), United Arab Emirates
- Carbon Capture Simulation Initiative / Carbon Capture Simulation for Industry Impact (CCSI/CCSI²)
Grant Bromhal
National Energy Technology Laboratory, United States
- National Risk Assessment Partnership (NRAP)
Grant Bromhal
National Energy Technology Laboratory, United States



Al Reyadah CCUS Project

- Why are the project owners seeking CSLF recognition?
- What, if any, do they expect from the CSLF?
- More details on the capture process
- Is the capture process new?
- What is being done to verify the amount of CO₂ injected?
- How is the behaviour of the CO₂ being monitored in the sub-surface?
- What measures are being taken to detect possible well leaks?
- What lessons have been learned?
- How much CO₂ will be injected to achieve 0.8 mtpa? Presumably some recycling is occurring.



CCSI/CCSI² Project

- Not strictly aligned with criteria
- Why are the project owners seeking CSLF recognition?
- Would like to see more information on how the various “tools in the toolbox” of CCSI integrate and work together.
- Have the modules been tested separately on real data?
- Limited descriptions of applications and achievements to date.
 - how and/or where the tool has been applied and at what scales the applications have been (the checklist indicates all scales but commercial)
 - what data it has generated and made available
 - what needs for data collection and/or further research it has revealed or identified
- Future planned collaborations and what is expected from this.



NRAP Project

- Not strictly aligned with criteria
- Why are the project owners seeking CSLF recognition?
- Limited description of applications of Phase I results, and how these have been used to develop work scope for Phase II.
- Descriptions and more examples of achievements today:
 - how and/or where the tool has been applied?
 - what data has been generated and made available?
 - what needs for data collection and/or further research it has revealed or identified?
- Description of how the project will get access to data and of potential collaboration partners. In particular, what, if any, benefits are seen by collaboration with the newly formed CO₂ Storage Data Consortium (CSDC).