



TECHNICAL GROUP

Action Plan Status

Background

At the Regina meeting in June 2015, a working group was formed to develop and prioritize potential new Action Plan activities. The working group presented its recommendations at the Riyadh meeting in November 2015, which resulted in three new task forces being formed in the areas of Offshore CO₂-EOR, Improved Pore Space Utilisation, and Bioenergy with CCS. At the Tokyo meeting in October 2016 a task force on CCS for Industries was formed and at the Abu Dhabi meeting in December 2017 a task force on Hydrogen with CCS was formed.

Additionally, at the 2017 CSLF Mid-Year Meeting in April 2017, a working group (led by Norway) was created by the Technical Group to appraise all unaddressed items in the Action Plan from 2015, propose new topics for appraisal, and review past task force reports to see if any updates are warranted.

This paper, prepared by the CSLF Secretariat, incorporates findings by the 2017 working group and is a brief summary of the Technical Group's current actions, potential actions that have so far been deferred, and completed actions over the past several years.

Action Requested

The Technical Group is requested to review the Secretariat's status summary of Technical Group actions.



CSLF Technical Group Action Plan Status

(as of March 2018)

Current Actions

- Improved Pore Space Utilisation (*Task Force co-chairs: Australia and United Kingdom*)
- Bio-energy with CCS (*Task Force chair: United States*)
- CCS for Industries (*Task Force chair: France*)
- Hydrogen with CCS (*Task Force Chair: Norway*) (*Note: Task Force is currently in place only for Phase 0 activities.*)

Potential Actions

- Geo-steering and Pressure Management Techniques and Applications (*Note: Geo-Steering has been incorporated into Improved Pore Space Utilisation action.*)
- Advanced Manufacturing Techniques for CCS Technologies
- Dilute Stream / Direct Air Capture of CO₂
- Global Residual Oil Zone (ROZ) Analysis and Potential for Combined CO₂ Storage and EOR
- Study / Report on Environmental Analysis Projects throughout the World
- Update on Non-EOR CO₂ Utilization Options
- Ship Transport of CO₂
- Investigation into Inconsistencies in Definitions and Technology Classifications
- Compact CCS
- Reviewing Best Practices and Standards for Geologic Monitoring and Storage of CO₂ *
- CO₂ Capture by Mineralization *
- Global Scaling of CCS *

** Received a high prioritization score from Working Group on Evaluating Existing and New Ideas for Possible Future Technical Group Actions.*

Completed Actions (previous five years)

- Offshore CO₂-EOR (*Final Report in December 2017*)
- Technical Challenges for Conversion of CO₂-EOR Projects to CO₂ Storage Projects (*Final Report in September 2013*)
- CCS Technology Opportunities and Gaps (*Final Report in October 2013*)
- CO₂ Utilization Options (*Final Report in October 2013*)
- Reviewing Best Practices and Standards for Geologic Storage and Monitoring of CO₂ (*Final Report in November 2014*)
- Review of CO₂ Storage Efficiency in Deep Saline Aquifers (*Final Report in June 2015*)
- Technical Barriers and R&D Opportunities for Offshore Sub-Seabed CO₂ Storage (*Final Report in September 2015*)
- Supporting Development of 2nd and 3rd Generation Carbon Capture Technologies (*Final Report in December 2015*)