



## **TECHNICAL GROUP**

### **Action Plan Status**

#### Background

This paper, prepared by the CSLF Secretariat, 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 January 2020)

### Current Actions

- Non-EHR CO<sub>2</sub> Utilization Options (Task Force chair: United States) [*Task Force formed in 2018*]
- Ad Hoc Committee for Task Force Maximization and Knowledge Sharing Assessment (Committee chair: Norway) [*Committee formed in 2018*]
- Hub and Infrastructure Task Force (Task Force chair: Norway) [*Task Force formed in 2018 and completed initial “Phase 0” activities that reviewed existing reports and presentations. Annual updates to be presented at Technical Group mid-year meetings. Occasionally, there will also be workshops on this topic.*]
- Engagement of Academic Community Task Force (Task Force co-chairs: Australia and United Kingdom) [*Activity initiated in 2019*]
- Reservoir Management (Task Force Chair: Australia) [*This is a “passive” Task Force, formed in 2019, which will keep track of ongoing and new storage management activities and occasionally provide updates at Technical Group meetings.*]

### Potential Actions

- Advanced Manufacturing Techniques for CCS Technologies
- Dilute Stream / Direct Air Capture of CO<sub>2</sub>
- Global Residual Oil Zone (ROZ) Analysis and Potential for Combined CO<sub>2</sub> Storage and EOR
- Study / Report on Environmental Analysis Projects throughout the World
- Update on Non-EOR CO<sub>2</sub> Utilization Options
- Ship Transport of CO<sub>2</sub>
- Investigation into Inconsistencies in Definitions and Technology Classifications
- Compact CCS
- Reviewing Best Practices and Standards for Geologic Monitoring and Storage of CO<sub>2</sub> \*
- CO<sub>2</sub> Capture by Mineralization \* [*Note: Action on this item has been indefinitely deferred.*]
- 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 (since 2013)**

- CCUS for Energy Intensive Industries (*Final Report in November 2019*) [*Note: Half-day workshop on this topic was held at 2019 CSLF Technical Group Annual Meeting.*]
- Hydrogen Production with CCS [*Note: Task Force was discontinued after initial "Phase 0" research and literature review activities. One-day workshop on this topic was held at 2019 CSLF Technical Group Annual Meeting.*]
- Improved Pore Space Utilisation (*Final Report in April 2019*)
- Bio-energy with CCS (*Final Report in April 2018*)
- Offshore CO<sub>2</sub>-EOR (*Final Report in December 2017*)
- Supporting Development of 2<sup>nd</sup> and 3<sup>rd</sup> Generation Carbon Capture Technologies (*Final Report in December 2015*)
- Technical Barriers and R&D Opportunities for Offshore Sub-Seabed CO<sub>2</sub> Storage (*Final Report in September 2015*)
- Review of CO<sub>2</sub> Storage Efficiency in Deep Saline Aquifers (*Final Report in June 2015*)
- Reviewing Best Practices and Standards for Geologic Storage and Monitoring of CO<sub>2</sub> (*Final Report in November 2014*)
- CCS Technology Opportunities and Gaps (*Final Report in October 2013*)
- CO<sub>2</sub> Utilization Options (*Final Report in October 2013*)
- Technical Challenges for Conversion of CO<sub>2</sub>-EOR Projects to CO<sub>2</sub> Storage Projects (*Final Report in September 2013*)