Possible New Technical Group Activities

CSLF Technical Group Meeting
Melbourne, Australia 17th October 2018

Åse Slagtern
Technical Group Chair
Identify important technical aspects for implementation of CCS
Completed actions

• Hydrogen production and CCS, Phase 0 *(Final Report June 2018)*
• Bioenergy with CCS *(Final Report in April 2018)*
• Off-Shore CO$_2$-EOR *(Final Report in December 2017)*
• Supporting Development of 2$^{nd}$ and 3$^{rd}$ Gen. CO$_2$ Capture Technologies *(Final Report in Dec. 2015)*
• Technical Barriers and R&D Opportunities for Sub-Seabed CO$_2$ Storage *(Final Report in Sept. 2015)*
• Review of CO$_2$ Storage Efficiency in Deep Saline Aquifers *(Final Report in June 2015)*
• Reviewing Best Practices and Standards for Geological Monitoring and Storage of CO$_2$ *(Final Report November 2014)*
• CCS Technology Opportunities and Gaps *(Final Report in Oct. 2013)*
• CO$_2$ Utilization Options *(Final Report in Oct. 2013)*
• Technical Challenges for Conversion of CO$_2$-EOR Projects *(Final Report in Sept. 2013)*
• Technical Challenges for Conversion of CO$_2$-EOR Projects to CO$_2$ Storage Projects *(Final Report in September 2013)*
Current Actions

• **Improved Pore Space Utilisation** (Since 2015, UK and Australia Lead, *Final Report due at spring 2019*)

• **Industry CCS** *(Since 2016, France Lead, Final Report due in 2019)*

• **Non-EOR CO₂ utilization options** *(Since April 2018, USA Lead)*

• **Ad Hoc Committee for Task Force Maximization and Knowledge Sharing Assessment** *(Committee chair: United States)*
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
• 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 Task Forces
New Actions

- **Hydrogen, Phase 1 workshop** (IEAGHG and CSLF/Norway in lead)
- **CO$_2$ Hub infrastructure**