

Carbon Sequestration leadership forum

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New Technical Group Activities

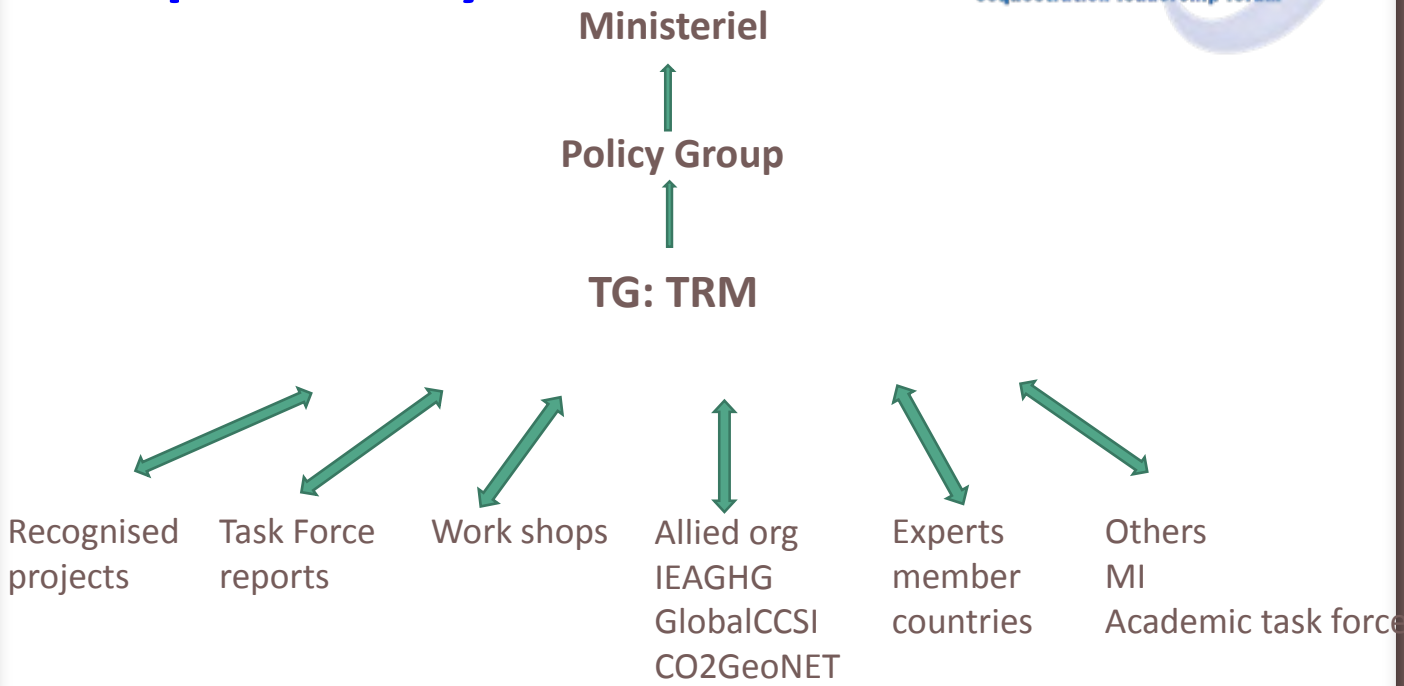
**CSLF Technical Group Meeting
Champaign, USA 25th April 2019**

Åse Slagtern

Technical Group Chair



CSLF Technical Group responsibility



Identify important technical aspects for implementation of CCS

Completed actions



- **Improved Pore Space Utilization** (*Final Report April 2019*)
- **Hydrogen production and CCS, Phase 0** (*Final Report June 2018*)
- **Bioenergy with CCS** (*Final Report in April 2018*)
- **Off-Shore CO₂-EOR** (*Final Report in December 2017*)
- **Supporting Development of 2nd and 3rd Gen. CO₂ Capture Technologies** (*Final Report in Dec. 2015*)
- **Technical Barriers and R&D Opportunities for Sub-Seabed CO₂ Storage** (*Final Report in Sept. 2015*)
- **Review of CO₂ Storage Efficiency in Deep Saline Aquifers** (*Final Report in June 2015*)
- **Reviewing Best Practices and Standards for Geological Monitoring and Storage of CO₂** (*Final Report November 2014*)
- **CCS Technology Opportunities and Gaps** (*Final Report in Oct. 2013*)
- **CO₂ Utilization Options** (*Final Report in Oct. 2013*)
- **Technical Challenges for Conversion of CO₂-EOR Projects** (*Final Report in Sept. 2013*)
- **Technical Challenges for Conversion of CO₂-EOR Projects to CO₂ Storage Projects** (*Final Report in September 2013*)

Current Actions



- **Industry CCS** (*Since 2016, France Lead, Final Report due in 2019*)
- **Non-EHR CO₂ Utilization Options** (*Since April 2018, USA Lead*)
- **Hubs and Infrastructure** (Since 2018, Norway Lead) Phase “0” completed
- **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 Ideas for Possible Future Technical Group Actions

New Actions



- **Hydrogen, Phase 1 workshop** (IEAGHG and CSLF/Norway in lead)
- **Continuation of pore space utilization – pressure management** ????
- **Continuation of CO₂ Hubs & Infrastructure, Phase 1**????
- **Business models** ????
- **Academic task force**????
- **Others**????