



CSLF Strategic Planning - Summary

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CSLF Technical Group Delegate Virtual Meeting

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Purpose of Effort: plan and strategize where CSLF TG can be most impactful in our work



Fall 2020 Meeting: Three questions

- How can CSLF TG contribute to broader CCUS discussions?
- What can the CSLF TG do to facilitate advancement of CCUS by industry and governments?
- To those ends, what new Technical Group activities would be useful? What and where are the opportunities?

Discussion: Centered on capacity building (technical expertise) and collaboration with allied organizations (knowledge-sharing)

Follow-up: Information gathering from delegates



- Nine questions survey
- Sent to 26 members (25 countries plus EU)
- Responses: 15 (11 individual countries)

Technical topics of most interest



Tier 1: Capture for industrial, carbon utilization

Tier 2: Negative emissions technologies, offshore-saline, onshore-saline, storage M&V

Tier 3: Capture for power, offshore-O&G, onshore-O&G, storage modeling and simulation

Impediments to successful deployment of CCUS within their country



Tier 1: No market/demand for CO₂

Tier 2: Lack of gov't support for demos and R&D

Lack of educational opportunities at universities and academic institutions

“Other” (Lack of general technology awareness, lack of gov't willingness to deploy tech and its role in GHG mitigation)

Tier 3: Lack of public acceptance; human resource capabilities; technical capabilities; no CO₂ emissions regulations; no CO₂ storage regulatory framework

Most Useful Activities



Workshops, roadmap, task forces and reports,
recognized projects*

**Note – some are more involved than others in CSLF,
providing valuable learnings, info, knowledge sharing*

How to engage with other CSLF member countries

- **Workshops**
- Collaborate on CSLF task force* reports
- Jointly-funded R&D
- More interactive **technical exchanges** between CSLF member countries and their researchers, policymakers, including update on CCUS activities during TG meetings
- Engagement of academic institutions in CSLF member countries to build **targeted** capacities

Note:

*Task forces – **reconsider emphasis on reports**; possibly more focused on **technical exchanges** and bringing people together*

Ways to accelerate CCUS development and deployment



- Linking with storage infrastructure projects such as Longship
- Leveraging research/laboratory infrastructure
- CSLF to transfer considerable knowledge to Ministers; stronger influence on CEM CCUS
- CSLF can be a platform to **share knowledge and experience**
 - storage pilots; utilization – access to existing operational plants - lessons learned
 - drivers and cost breakdown of successful CCUS projects
 - more discussion time on members' CCUS activities
 - collaboration on R&D
 - standardization of results from test facilities
- **Regional focused workshops**; local events for policymakers, industry, academia, government

How to enhance membership experience



- Proactive to push for projects versus wait for projects to happen
- More dialogue amongst members especially during TG meetings to understand key issues and resources, and how to promote active engagement
- More engagement with stakeholders

Recommend Action Plan



Focus Areas

- Industrial carbon capture, carbon utilization, negative emission technologies, saline storage with monitoring and verification activities
- Ensure targeted and value-added actions

Identified Needs

- Provide technical input and strengthen alignment with policy-oriented groups (like CEM CCUS) to address impediments like market development, government support, regulatory framework, public acceptance and R&D funding

Recommend Action Plan (cont'd)



CSLF Meeting Structure

- Modify meeting structure to promote more dialogue amongst members to foster collaboration, knowledge sharing and idea generation
- Identify targeted subjects and if needed bring in experts, use panel/roundtable discussions
- Goal is to have more participation and interaction amongst members to address felt needs

Recommend Action Plan (cont'd)



Task Forces

- New reports to focus on under-represented technical areas
- Focus on in-depth technical discussions via workshops, targeted panel discussions or similar activities
- Identify regional needs and enhance local level engagement
- Build R&D collaborations amongst members together with allied organizations
- Goal is to facilitate efficient knowledge transfer/exchange and accelerate CCUS implementation