CSLF Strategic Planning - Summary

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CSLF Technical Group Delegate Virtual Meeting
December 8, 2021
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
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