



# CSLF Strategic Planning – Discussion

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**CSLF Technical Group Delegate Virtual Meeting**

**April 28, 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 Request to Delegates



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



Q1. Does your country have regulations or incentives to curb CO2 emissions?

Yes/No (13, 2)

For “Yes” response: Emissions Trading Scheme, Economy-wide or semi-economy-wide; Tax incentives; regulations or standards

Q2. Does your country have a regulatory framework in place for CO2 injection into the subsurface?

Yes/No (10, 5)

Q3. What CCUS R&D or technical capabilities exist within your country?

Nearly all have university or industry-level R&D, some with pilots, test facilities, and commercial or demonstration projects

**Q4. Which of the following technical topics are of most interest to your country? (Select up to 5 out of 10)**



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

## Q5. Which of the following are an impediment to successful deployment of CCUS in your country (check all that apply)

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 regs; no CO2 storage reg framework

## Q6. Which CSLF activities do you find most useful?

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



Comment: Recognized projects – some are more involved than others – provide valuable learnings, info, etc.

## Q7. How would you like to engage with other CSLF member countries? (please check all that apply)

**Workshops**, Collaborate on CSLF task force reports, Jointly-funded R&D; More interactive technical exchanges between CSLF member countries and your country and its researchers, policymakers, etc.; Engagement of academic institutions in CSLF member countries

Comments:

- update on CCUS activities from CSLF member countries in TG meetings;
- Academic engagements are helpful in terms of building the capacity within countries - need to be targeted efforts.
- Task forces – reconsider emphasis on reports? can probably take on more the function of developing technical exchanges, etc., serving as facilitators for bringing people together.

**Q8. For each of the R&D or technical capabilities that you check below, please provide comments on how CSLF can further help you and/or your country accelerate CCUS development and deployment within your country.**



- Linking with storage infrastructure projects such as Longship
- leveraging research/laboratory infrastructure (e.g., ECCSEL)
- CSLF organization has considerable knowledge that needs to be transferred to Ministers
- CSLF can be a platform to share knowledge and experience
  - (Storage pilots; Utilization – access to existing operational plants) – lessons learned, etc.
  - drivers and cost breakdown of successful CCUS projects
  - Meetings should include more discussion time on members' CCUS activities
  - Collaboration on R&D
  - Standardization of results from test facilities
- Stronger influence on CSLF Policy Group/CEM CCUS
- Regional focused workshops; local events for policymakers, industry, academia, government

## Q9. Does CSLF provide you enough opportunities to participate and contribute? How can CSLF help to enhance your membership experience?



- It would be good for the CSLF to push for projects rather than just wait for projects to happen
- Guiding/feedback on how to engage more active member countries would be beneficial
- More discussion time amongst members to understand key issues, resources, etc.
- Yes, it is an excellent opportunity for international discussion on topical strategic issues including research community, industry, academia, governments
- CSLF provide the opportunities but need more active involvement from all. That would help to enhance the membership experience
- More engagement with stakeholders

# Next Steps



- For those that have responded – thank you!
- Input is much appreciated and insightful.
- Happy to receive further input or arrange a separate discussion if members would like to discuss individually
  - Contact CSLF Secretariat: [cslfsecretariat@hq.doe.gov](mailto:cslfsecretariat@hq.doe.gov)
- Develop a brief summary paper with recommendations