

Policy Group-Technical Group Task Force
Co-chaired by Canada and Norway



Accelerating the Adoption of 2nd and 3rd Generation Carbon Capture Technologies

Recap & Discussion on Next Steps

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Recap: Task Force Activities 2014-2015



- Context: The need to better understand the role of 2nd / 3rd generation carbon capture technologies
- Task Force Results:
 - Joint study conducted by Canada & Norway
 - Findings presented at the June 2015 Policy Group Meeting; Executive summary on CSLF website
 - Findings presented in a Minister's brief for the 6th CSLF Ministerial Conference (November 2015)

Recap: Key Study Conclusions



Technologies & Test Facilities

- Approx. 30 groupings of emerging technologies
- 11 test facilities identified around the world

Barriers / Mechanisms

- **Key Barriers:** Lack of a market; High costs; Technical and operational; Insufficient test sites in key geographies/sectors; Storage availability and lack of clear regulations
- **High priority mechanisms:** Carbon pricing; Government funding programs; Tax incentives; Operational support programs; Test facilities; Cooperation and knowledge-sharing

Recap: 7 Recommendations for Ministerial Consideration



1. Enhance **membership network**.
2. Sustain a **global inventory of test facilities**.
3. Implement mechanisms that allow **developers of emerging technologies and operators of test facilities** to cooperate.
4. Assess **cooperative mechanisms between projects**, similar to EU twinning approach.
5. Foster the **sharing of best practices**, including funding mechanisms.
6. Contribute to **consistent terminology and performance evaluation methods** for emerging technologies, project maturity levels, and testing scales.
7. Enhance opportunities for researchers and developers to participate in **extended visits, training opportunities, and staff exchanges**.

Positive Developments since 6th Ministerial



1. Enhanced Collaborations

- Expansion of International CCS Test Centre Network
- 2nd & 3rd gen capture R&D ongoing
- Ministers endorse CSLF Academic Task Force

Developments since 6th Ministerial:



2. Expanding Online Tools

- CSLF website being revamped

3. Mission Innovation

Mission Innovation



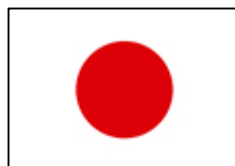
17 of 21 MI members also CSLF members
– 15 emphasize CCUS in MI portfolio



Australia



France



Japan



Saudi Arabia



Brazil



Germany



Mexico



United Arab Emirates



Canada



India



Norway



United Kingdom



China



Italy



Republic of Korea



United States

Path Forward

Where can we add value?



Potential areas for discussion

1. Further enhancing networks
2. Expanding online tools (develop CSLF website functionality)
3. Enhancing research collaboration (Academic Task Force)
4. Leveraging Mission Innovation mechanism (new/stronger/larger project collaborations)

Other suggestions?