



CSLF Technical Group Perspective

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Outline



- CSLF Background
- CCS – Then and Now
- Technical Group Perspectives



The Carbon Sequestration Leadership Forum (CSLF) is a framework for international cooperation in research and development for the separation, capture, transportation and storage of carbon dioxide.

The CSLF will seek to realize the promise of carbon capture and storage over the coming decades, making it commercially competitive and environmentally safe.

CSLF - History



- The inaugural CSLF meeting in the United States was attended by delegations from 16 countries and the European Commission.
- The CSLF charter was signed on June 25, 2003 at the Mayflower Hotel in Washington, DC by representatives of 13 countries and the European Commission.
- Since then, Germany, South Africa, France, the Netherlands, Denmark, Korea, and Saudi Arabia have joined, bringing the total number of CSLF members to 22.

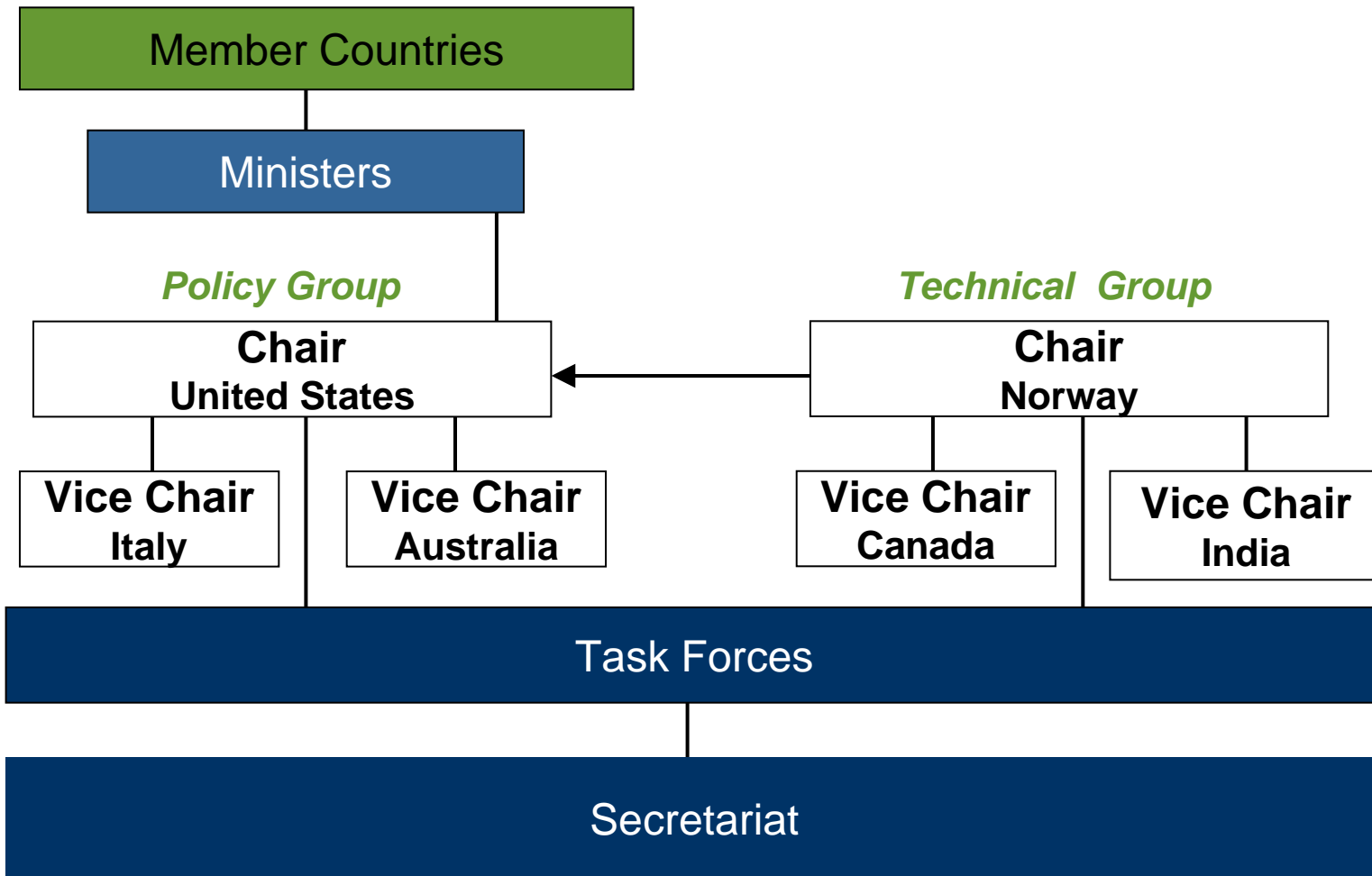


Charter signing ceremony, June 25, 2003, Washington, D.C.

CSLF - Members



CSLF - Structure



CSLF – Benefits of Membership



- Collaboration with recognized projects
- Opportunity for collaboration between technical and policy groups
- Raises awareness of CC&S to senior levels of government
- Domestic convergence on a national strategy
- Guidelines for technology roadmaps
- Medium for stakeholder engagement
- Forum for regulatory development

CSLF – Current Projects



- ARC Enhanced Coal-Bed Methane Recovery Project
- CANMET Energy Technology Centre (CETC) R&D Oxyfuel Combustion for CO₂
- CASTOR
- CO₂ Capture Project
- CO₂ GeoNet
- CO₂ Separation from Pressurized Gas Stream
- CO₂ SINK
- CO₂ STORE
- Demonstration of Capture, Injection and Geologic Sequestration of CO₂ in Basalt Formations of India
- Development of China's Coalbed Methane Technology / Carbon Dioxide Sequestration Project
- ENCAP
- Frio Project
- Geologic CO₂ Storage Assurance at In Salah, Algeria
- ITC CO₂ Capture with Chemical Solvents
- Regional Carbon Sequestration Partnerships
- Regional Opportunities for CO₂ Capture and Storage in China
- Weyburn II CO₂ Storage Project

CSLF – Technical Perspective



Technical Group is responsible for carrying out the following functions of the CSLF:

- Identify key technical, economic, environmental and other issues related to the achievement of improved technological capacity.
- Identify potential areas of multilateral collaboration on carbon capture, transport and storage technologies.
- Foster collaborative research, development, and demonstration (RD&D) projects reflecting Members' priorities.
- Assess regularly the progress of collaborative projects and make recommendations to the Policy Group on the direction of such projects.
- Establish and regularly assess an inventory of the potential areas of needed research.
- Facilitate technical collaboration with all sectors of the international research community, academia, industry, government and non-governmental organizations.
- Consider approaches to address issues associated with the above functions.

In the beginning.....



- Mid-90's
 - Kyoto not ratified
 - No urgency
 - No economics
 - No drivers
 - Many technical challenges
 - Technology emerging
 - Few players

Here and now.....



- Climate change is a major driver
- Prices support enhanced resource recovery
- CCS has political recognition
- Higher profile with public
- Many technical issues have been addressed
- Established track records – Weyburn, Sleipner
- Many new projects planned or underway
- Frustration in technical community

G8 Workshop series....



- Unique opportunity to bring together international experts
- Dialogue between the technical, industrial, policy, financial, social and environmental community
- Maintain the momentum of G8, IPCC and CoP
- Increase the profile of a promising GHG reduction technology
- Real opportunity for more action and less dialogue

More info on the CSLF



- www.cslforum.org