



CSLF Strategic Plan Second Update 2011-2016

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September 21, 2011



Why update the CSLF Strategic Plan?

- CSLF Charter term extended beyond 2013
- Utilization added to the scope of the CSLF activities
- Increased focus on commercial deployment



Approach to updating the CSLF Strategic Plan

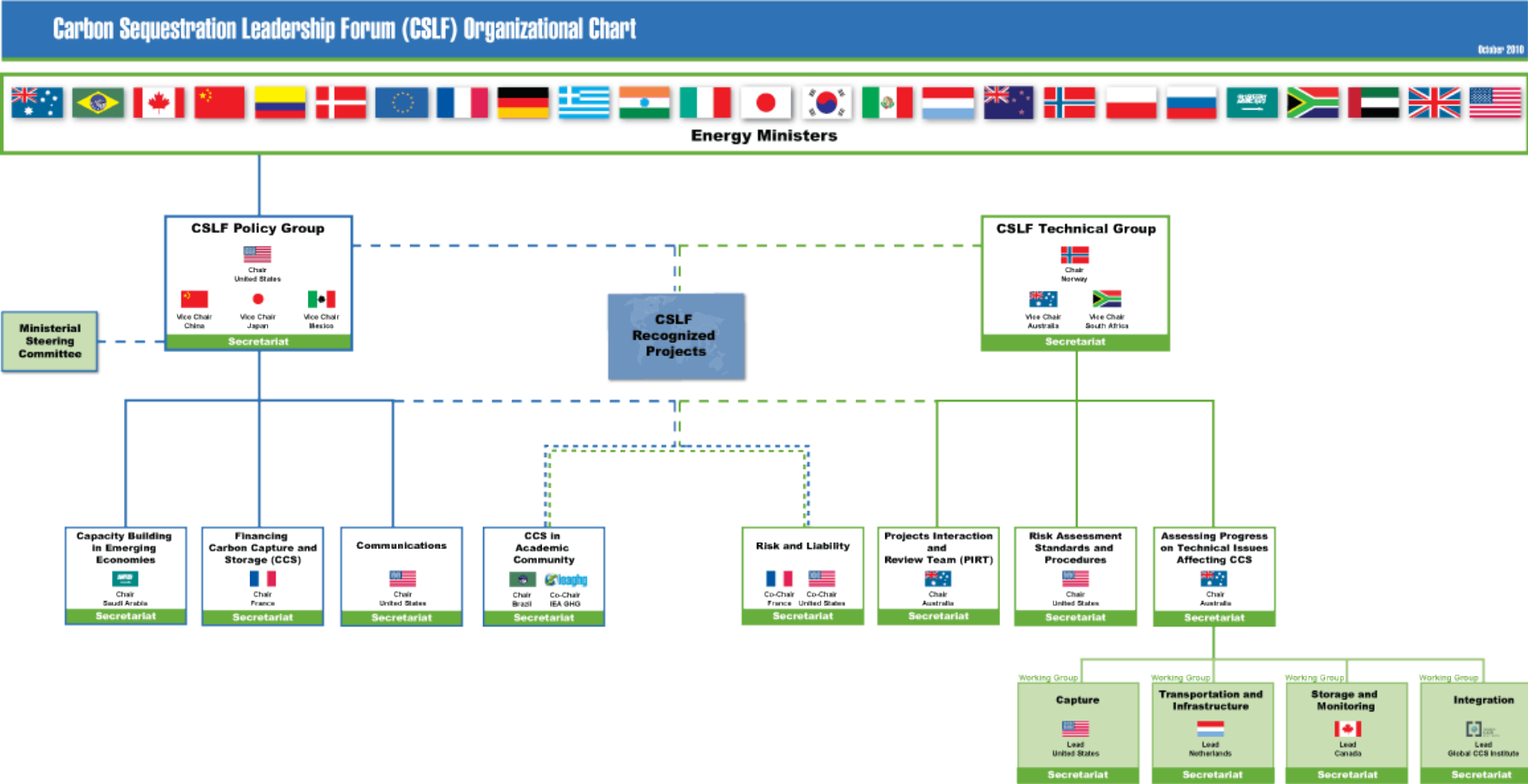
1. Secretariat developed Strategic Plan Framework
2. Task Force Chairs asked to provide plans in their areas
3. Secretariat drafted plans where none were available from Task Force Chairs and in new areas
4. Draft Strategic Plan sent for review and comment
5. Draft finalized and presented to Policy Group

Carbon Sequestration Leadership Forum

www.cslforum.org



CSLF Organization is unchanged.





Actions plans developed to address key barriers.

Policy Barriers

1. Inadequate legal/regulatory frameworks
2. Gap in commercial financing (particularly in developing countries)
3. Need for human/institutional capacity
4. Lack of public awareness, understanding and support
5. Inadequate international frameworks

Technical Barriers

6. Few industrial-scale integrated projects
7. High capture cost
8. High energy penalty
9. Limited work on industrial capture
10. Limited work on CO₂ utilization, other than EOR
11. Lack of CO₂ transport infrastructure
12. Limited geologic storage experience
13. Need to estimate storage capacity and demonstrate storage integrity
14. Storage assurance and risk management tools need further development



Policy Group strategy addresses barriers in four areas:

Strategic Area	Barriers Addressed
Financing	<ul style="list-style-type: none">• Gaps in commercial financing• Financing challenges in developing countries
Capacity Building	<ul style="list-style-type: none">• Need for human and institutional capacity
Communications	<ul style="list-style-type: none">• Lack of public awareness, understanding and support
CCUS in the Academic Community	<ul style="list-style-type: none">• Need for human and institutional capacity in the academic community



Policy Group Action Plans and Responsibilities

Strategic Area	Action Plan	Priority	Responsibility
Financing	P1: Bridging the Financing Gap	High	Financing CCUS Task Force
	P2: Financing Projects with CCUS in Developing Countries	High	Financing CCUS Task Force
	P3: Incentives Registry	High	Secretariat
Capacity Building	P4: Capacity Building	Very High	<ul style="list-style-type: none">- Capacity Building Task Force- Capacity Building Governing Council- Secretariat
Communications	P5: Communications	High	Communications Task Force
Academic Community	P6: CCUS in the Academic Community	High	Task Force on CCUS in the Academic Community



Technical Group strategy also addresses barriers:

Strategic Area	Barriers Addressed
Financing	<ul style="list-style-type: none">• Gaps in commercial financing
Capture	<ul style="list-style-type: none">• High capture costs and energy penalty• Limited work on industrial sources and utilization
Transport	<ul style="list-style-type: none">• Lack of CCUS infrastructure
Storage	<ul style="list-style-type: none">• Limited geologic storage experience• Need to estimate storage capacity & demonstrate integrity• Storage assurance/risk management tools need further development
Understanding Impacts	<ul style="list-style-type: none">• Potential interactions with other resources



Technical Group Action Plans and Responsibilities

Strategic Area	Action Plan	Priority	Responsibility
Advancing Collaboration	T1: Technology Gaps Closure	Very High	TF on Assessing Tech Issues
	T2: Best-practice Knowledge Sharing	High	PIRT
Capture	T3: Energy Penalty Reduction	Very High	New Task Force
	T4: CCUS w/ Industrial Emission Sources	High	New Task Force
	T5: Carbon Neutral or Negative CCUS with Biomass	High	New or Existing Task Force
Transport	T6: CO ₂ Transport and Compression	New	New or Existing Task Force
Storage and Utilization	T7: Storage and Monitoring of Commercial Projects	Very High	New or Existing Task Force
	T8: Technical Challenges of Converting CO ₂ EOR Projects to CCUS	High	New Task Force
	T9: Risk and Liability	Very High	New Joint Task Force
	T10: CO ₂ Utilization Options	Very High	New Task Force
Understanding Impacts	T11: Competition w/Other Resources	Very High	New Task Force



Secretariat Action Plans and Responsibilities

Strategic Initiative	Action Plan	Priority	Responsibility
CSLF Administration	S1: CSLF Administration	Very High	CSLF Secretariat
	S2: Administration of CSLF Capacity Building Plan	Very High	CSLF Secretariat
Stakeholder Engagement	S3: Stakeholder Engagement	High	CSLF Secretariat
Collaboration with Other Organizations	S4: International Collaboration	High	CSLF Secretariat
	S5: Providing Information on CCUS in International Negotiations	High	CSLF Secretariat



In Summary...

- CSLF Strategic Plan Update reflects amended Charter and new conditions.
- The strategy is designed to address remaining barriers to CSLF.
- Policy Group Action Plans mostly continue ongoing work.
- Technical Group Action Plans continue ongoing work and start new directions.
- Secretariat continues administrative support and requested activities.
- New joint Policy and Technical Group activity is initiated on risk and liability.