OPTIMIZING THE WORK OF THE ACADEMIC TASK FORCE WITH THE TECHNICAL GROUP
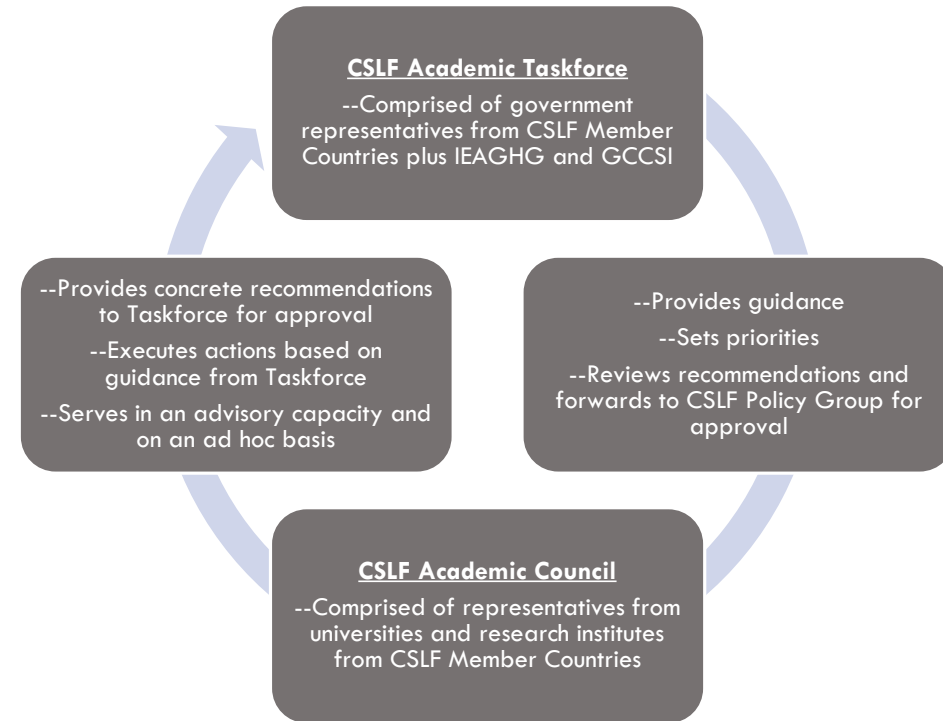
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WHAT IS THE ACADEMIC COUNCIL?

Academic Council

- Established by the CSLF Academic Task Force following the 2015 Ministerial Meeting

- Comprised of representatives from institutes and universities in CSLF member countries

- Serves in advisory capacity to the Academic Task Force

- First meeting held in June 2016 as part of the CSLF Mid-Year Meeting in London, regular conference calls

CSLF Academic Taskforce
--Comprised of government representatives from CSLF Member Countries plus IEAGHG and GCCSI

--Provides guidance
--Sets priorities
--Reviews recommendations and forwards to CSLF Policy Group for approval

CSLF Academic Council
--Comprised of representatives from universities and research institutes from CSLF Member Countries

--Provides concrete recommendations to Taskforce for approval
--Executes actions based on guidance from Taskforce
--Serves in an advisory capacity and on an ad hoc basis

ACADEMIC COUNCIL GOALS AND AREAS OF FOCUS

Goals:

- Identify academic research linkages with CSLF Technical Group and Policy Group priorities

- Determine where and how CSLF can help leverage international collaborations, student exchanges, networks and funding opportunities to further CSLF goals

- Finalize Plan of Action leading to 2017 CSLF Ministerial Meeting

Areas of Focus:

1. Student training, practical learning, and curriculum development

2. Communications and outreach

3. Academic community and capacity building

AREA 1: STUDENT TRAINING, PRACTICAL LEARNING, AND CURRICULUM DEVELOPMENT

Goal: Provide a forum through which academics can contribute in educating researchers, academics, industry and the public through sharing resources.

Objective: Create well-organized, accessible resources that can be leveraged towards capacity building by disseminating concepts, theory, and case studies that build the knowledge foundation for CCS.

STUDENT TRAINING, PRACTICAL LEARNING, AND CURRICULUM DEVELOPMENT

Key Recommendations:

- **Update Baseline Survey and Plan of Action** to include input from ALL CSLF Member Countries prior to the 2017 CSLF Mid-Year Meeting

- **Conduct a gap analysis** on CCS post-graduate course mapping and summer school programs, leveraging ongoing work under the Trilateral CCS Initiative (Canada, Mexico, and the United States)

- **Identify existing modularized content** for CCS knowledge sharing and education for broad dissemination and develop new modularized content, as needed

- Request CSLF Member Countries **identify existing internships** with applicability to CCS and provide information to the Secretariat prior to the 2017 CSLF Mid-Year Meeting

- Request CSLF Member Countries' government organizations **consider hosting interns** to expose them to CCS policy and technical perspectives of the respective countries

- Request CSLF stakeholder community to **identify internship opportunities,** with an emphasis on exposure to and/or **hands-on experience at operational CCS sites.**

AREA 2: COMMUNICATIONS AND OUTREACH

Goal: Develop a 'one-stop' resource for storing and advertising postgraduate academic opportunities around the world.

Objective: Increase in the level of collaboration, as contributors are kept up to date with active research in foreign institutes.

Key Recommendations:

- **Build website** page under CSLF website on academic resources
- **Create linkages** to student training, practical learning, and curriculum development assets
- **Post videos** from CSLF meetings and CCS workshops, in addition to relevant course materials for the meetings and workshops
- Request CSLF Member Countries to **provide information on international funding opportunities**
- Request CSLF Member Countries' **identify a point of contact** for country-specific updates to the website
- Enable academics to register as an academic (instead of a stakeholder) on the CSLF website
- Fund an annual academics event based on International CCS Academic Summit

COMMUNICATIONS AND OUTREACH

- Website addresses key recommendations
https://www.cslforum.org/cslf/Resources/Academic

- Webinar Series Launched: Carbon Sequestration Leadership Forum:
  - Quarterly webinar series started 26 April 2017
  - Collaboration with CSLF and Global CCS Institute
  - First in Series: CCUS in the United Arab Emirates: Status and Potential by Associate Professor Mohammad Abu Zahra from the Masdar Institute

AREA 3: ACADEMIC COMMUNITY AND CAPACITY BUILDING

Goal: Provide academic forum for knowledge sharing and capacity building among CSLF Member Countries. Capitalize on demonstrations, projects, and fully operational plants that showcase CCS technologies.

Objective: Observe and learn from CCS activities in CSLF Member Countries CCS activities through experiential learning such as study tours of project sites and plants where visitors can learn directly from plant operator and take this knowledge with them.

Key Recommendations:

- Create, evaluate, and **refine stakeholder engagement strategy and communications plan**
- Work with Capacity Building Governing Council on **recommendations for capacity building** moving forward
- Request CSLF Member Countries **consider development and hosting of study tours** for developing countries (potentially outside of CSLF membership) with engagement and organization by the academic community
- **Host webinars** via CSLF for capacity building
- Develop **stakeholders' guidelines and engagement objectives** document for use by CSLF Member Countries' Stakeholders

ACADEMIC COMMUNITY AND CAPACITY BUILDING

Community Stakeholder Engagement Processes (analysis, evaluation, refinement)

a. Capacity building
- Potential stakeholder pathway leading to capacity building for member countries and non-member countries to encourage participation in CSLF
- Exploring coordination with Capacity Building Governing Council for proactive approach
- Information source through website

b. Study tour facilitation
- Developing white paper on "good" practices for study tours
- Strong linkages between capacity building and study tours

c. Community stakeholder engagement guidelines
- Resource list of good practices and overall information on stakeholder engagement best practices posted to website
- Proposing a CSLF-led member country stakeholder consultation process based on 10 years of international project experience

RECOMMENDATIONS FOR TECHNICAL GROUP CONSIDERATION

1. **Consider opportunities** for research and capacity building through Technical Group member countries and organizations

2. **Leverage existing synergies** between Academic Task Force, CSLF Technical Group, Mission Innovation, and other organizations for CCUS deployment

3. **Consider mechanisms to distill and disseminate** technical research by Technical Group and member countries for high-level communication with Policy Group, CEM, and ministerial level organizations

4. **Further engage and explore connections for** Academic Council to support Technical and Policy Group connections