Technical Group Meeting

23 April 2018 Venice, Italy



Report from Secretariat

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www.cslforum.org



Highlights from Abu Dhabi Meeting

Five day meeting, including
Ministerial
Conference and
Ministers' site visit to Al Reyadah
CCUS Project





Highlights from Abu Dhabi Meeting

- Working together to ensure that CCUS is broadly accepted and supported as part of suite of clean energy technologies
- Leveraging the success of operational CCUS projects worldwide while emphasizing the urgency of developing and executing new CCS projects



Highlights from Abu Dhabi Meeting

- Encouraging the development of regional strategies that strengthen the business case for CCUS and accelerate its deployment
- Exploring new utilization concepts beyond CO₂-EOR that have the potential to add commercial value



Highlights from Abu Dhabi Meeting

- Supporting collaborative R&D on innovative, next generation CCUS technologies with broad application to both the power and industrial sectors
- Expanding stakeholder engagement and strengthening links with other global clean energy efforts to increase public awareness of the role of CCUS



Highlights from Abu Dhabi Meeting

- Increasing global shared learnings on CCUS by disseminating best practices and lessons learned from CCUS projects
- Continuing to engage the public on CCUS and looking for ways to communicate effectively



Highlights from Abu Dhabi Meeting

Ministerial Communiqué available at Abu Dhabi meeting page of CSLF website

www.cslforum.org/cslf/Events/7thMin-AbuDhabi

Carbon Sequestration leadership Forum



Communiqué of the 7th Ministerial Meeting of the Carbon Sequestration Leadership Forum

6 December 2017 - Abu Dhabi, United Arab Emirates

Advancing the Business Case for CCUS

We, the Ministers and Heads of Delegation of the CSLF Members, are greatly encouraged by the progress made in the research, development, demonstration and global deployment of carbon capture, utilization, and storage (CCUS). We met today to discuss how we can expand and strengthen the business case for CCUS globally. Collectively, we have the opportunity, working with industry and others, to accelerate CCUS deployment with strong global commitments and supportive government policies built on existing national circumstances, priorities, and obligations.

According to the International Energy Agency, the use of fossil fuels is projected to continue well into the future, underscoring the critical need for CCUS in the power sector. Moreover, CCUS is a key option for deep CO₂ emission reduction from process industries such as refineries, the chemical sector, and cement and steel production. Therefore, CCUS technology will be an important contributor to the global clean energy transition.

Since we last convened in 2015, international collaboration on CCUS has continued to expand and more projects have commenced operations, including the world's first large-scale bio-energy with CCS project in the United States, and the first fully-integrated CCUS project in the steel industry in the United Arab Emirates. There are now 17 large projects in operation and four coming on stream in 2018, which together will more than double the number of operational projects since 2010. Combined, these projects are capable of capturing 37 million tonnes of CO2 per year. Their geographic distribution, scale, and technical diversity demonstrate we are gaining global CCUS experience and creating a strong technical, policy, and regulatory foundation for CCUS in the power and industrial sectors, both onshore and offshore. We must, however, build upon our current successes and do more to rapidly expand the global CCUS portfolio.

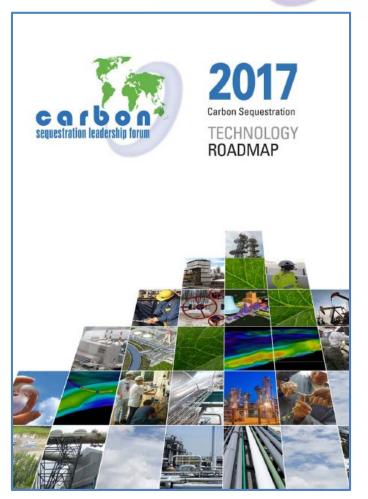
We, the Ministers, are committed to the successful global deployment of CCUS. We will continue to work together with the private sector to drive down the costs of CCUS and accelerate global deployment by identifying new commercial models and develop the next generation of CCUS technology.

We agreed that the following key actions are needed to deploy this important global technology.



Highlights from Abu Dhabi Meeting

2017 CSLF
Technology
Roadmap was
launched





Highlights from Abu Dhabi Meeting

Results from regional stakeholder surveys were documented and summarized





Highlights from Abu Dhabi Meeting

Three completed projects received CSLF Global Achievement Awards





Highlights from Abu Dhabi Meeting

CO2CRC
Otway
Project
Stage 3
received
CSLF
recognition





Other Outcomes from Abu Dhabi Technical Group Meeting

- Offshore CO₂-EOR Task Force issued final report and has completed its activities.
- BECCS Task Force and Improved Pore Space
 Utilisation Task Forces will present their final
 reports at next Technical Group meeting.
- CCS for Industries Task Force will present a draft report at next Technical Group meeting.



Other Outcomes from Abu Dhabi Technical Group Meeting

- New Task Force on Hydrogen with CCS was formed.
 - "Phase 0" will review existing activities and programs in Europe, Japan, and United States as well as those by multinational energy companies.
 - Phase 0 task force participants are Norway (lead), Australia, Canada, France, Japan, Netherlands, Saudi Arabia, United Arab Emirates, United Kingdom, and IEAGHG.



Other Outcomes from Abu Dhabi Technical Group Meeting

- Detailed proposal for new task force on CO₂
 Capture by Mineralization will be presented by Netherlands at next Technical Group meeting.
- U.S. delegate Sallie Greenberg will be Technical Group's liaison with ISO TC265 technical committee on CO₂ capture, transport, and geologic storage.