

**Carbon Sequestration Leadership Forum**

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# **Highlights from March 2014 CSLF Technical Group Meeting**

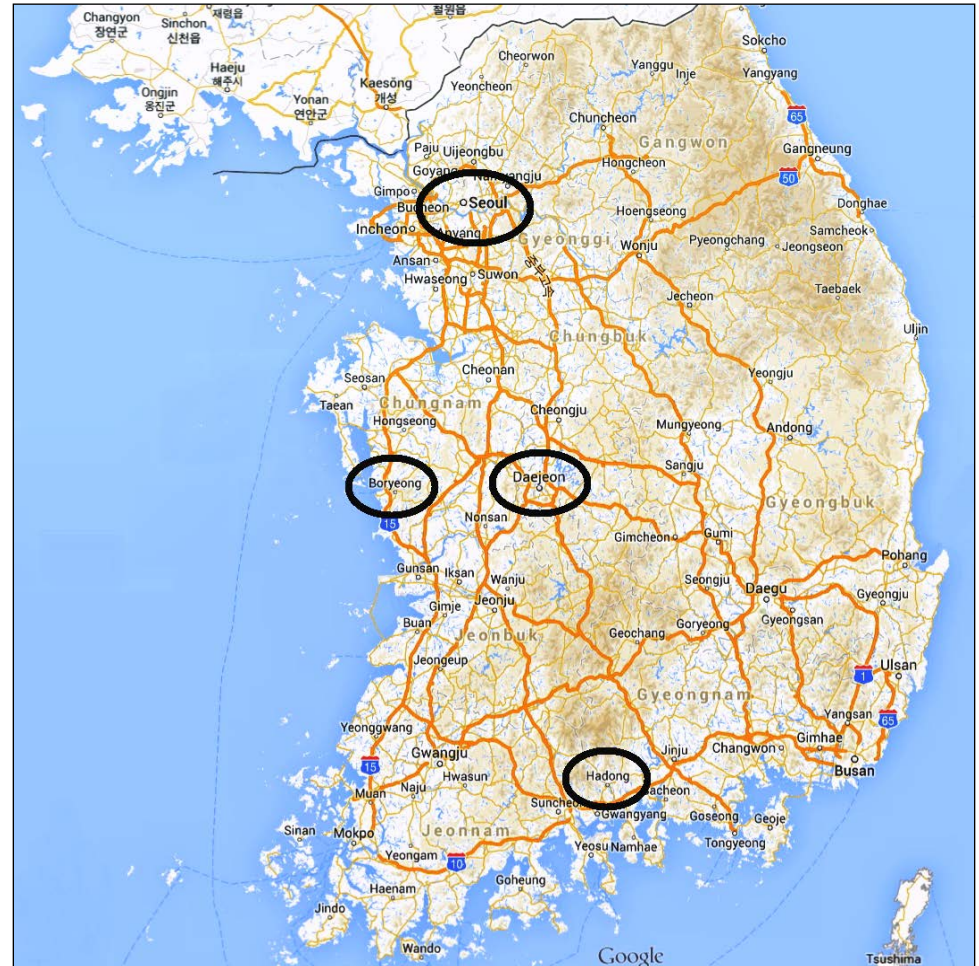
**Trygve Riis**

Technical Group Chairman

# Highlights from March 2014 Technical Group Meeting in Seoul



Four-day  
meeting,  
including  
Technology  
Workshop and  
visits to pilot  
plants at Hadong  
and Boryeong



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## Technical Group Meeting Results

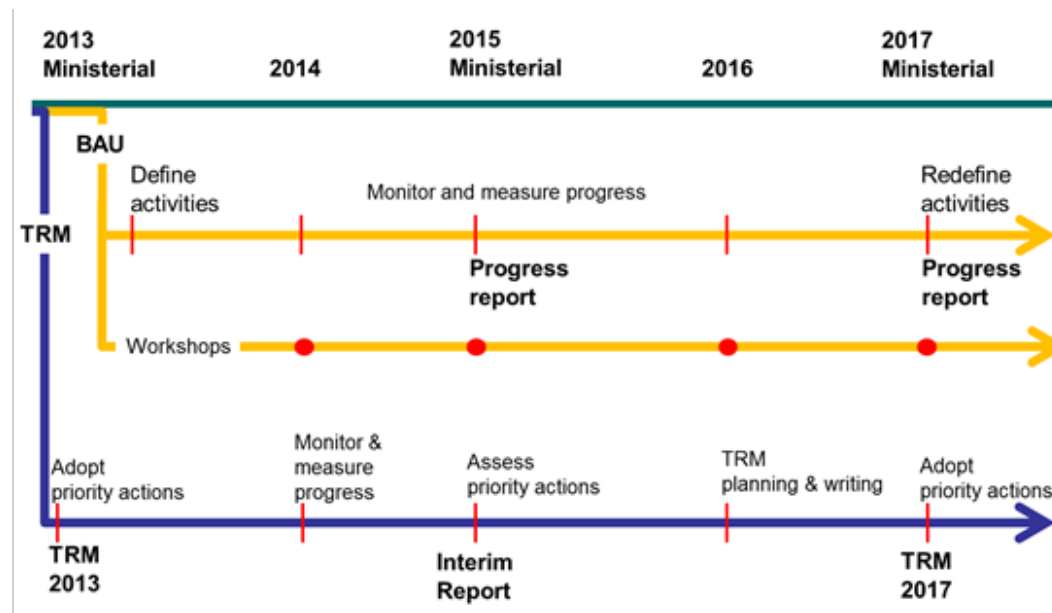
- Created new Task Force on Offshore CO<sub>2</sub> Storage (led by United States)
- Concluded activities of Best Practices and Standards Task Force for Storage and Monitoring
  - Results to be migrated to CSLF website
- Will establish collaborations with other CCS organizations in the area of knowledge sharing
- Will develop proposal for IEA GHG study on lifecycle assessments

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## CSLF Technology Roadmap (TRM)

- Next major revision scheduled for 2016-2017
- PIRT to gather information on eight “Identified Technology Needs” areas described in 2013 TRM



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## Roundtable Event: CCS Technologies and Projects for Emerging Economies

- Provided depiction on how CCS would work best in emerging economy countries
- Featured representatives from Brazil, China, Mexico, and South Africa
- Moderated by ADB



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## Takeaways from Roundtable Event

1. CCS, as part of a suite of low carbon options, is becoming a national priority area for emerging economy countries. However, in some cases, lack of regulatory frameworks and other policy-related issues are holding back CCS.
2. Resource allocation will always be an issue for implementing CCS in emerging economy countries, and funding is usually a zero-sum situation. Resources are limited, and the most urgent national needs get addressed first.
3. Even though there are many similarities in the needs of emerging economy countries, each country has a specific set of circumstances in terms of national priorities, and this results in different strategies for implementing various aspects of CCS

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## Takeaways from Roundtable Event

4. One of the biggest challenges will be locating and characterizing CO<sub>2</sub> storage sites. While CO<sub>2</sub> capture and transport technologies can be brought in from the outside, CO<sub>2</sub> storage is always a local issue.
5. Capacity building activities are essential to create in-country expertise for CCS in the developing world. The CSLF Capacity Building Program has been very beneficial, but much more is needed.

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## 2014 CSLF Technology Workshop

- Full-day event; two sessions:
  - Cost Reduction Strategies for CO<sub>2</sub> Capture
  - Examining Technology Pathways and Business Models for Scaling-up CCS
- Presentations and conclusions online at:  
[http://www.cslforum.org/meetings/workshops/technical\\_seoul2014.html](http://www.cslforum.org/meetings/workshops/technical_seoul2014.html)



Session 2 Co-chairs and Presenters

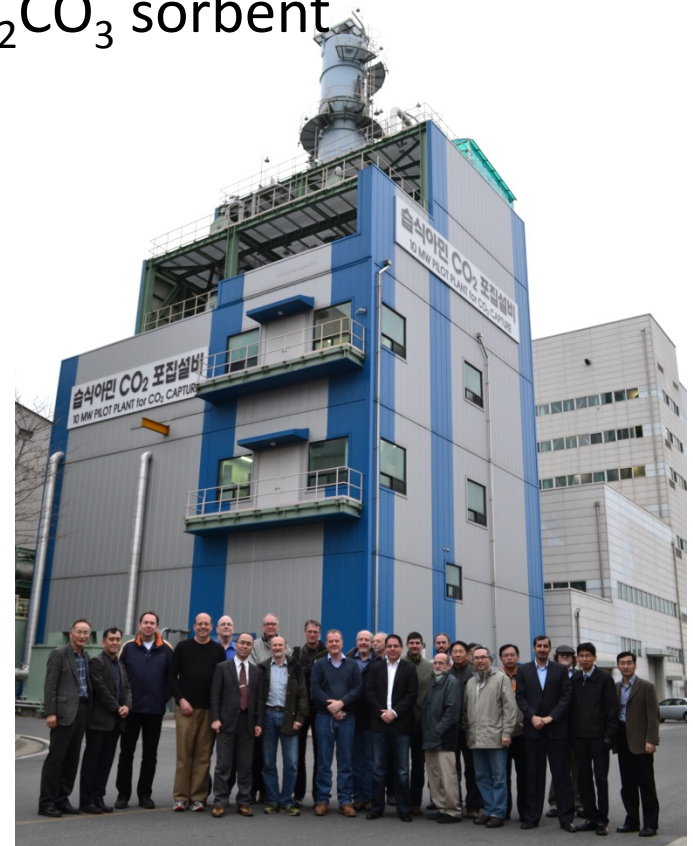


# Highlights from March 2014 Technical Group Meeting



## Visits to Hadong and Boryeong Pilot Plants

- Hadong: 10-MW dry regenerable  $K_2CO_3$  sorbent
- Boryeong: 10-MW amine sorbent
- Both  $CO_2$  capture, no storage
- Hadong results:
  - 85% capture rate
  - > 95%  $CO_2$  purity
- Boryeong results:
  - 90% capture rate
  - > 99%  $CO_2$  purity
- Possible large demos before 2020



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## Seoul Meeting page at CSLF website

- <http://www.cslforum.org/meetings/seoul2014/>
- Contains all presentations from meeting
- Contains draft of Minutes from meeting

# Future CSLF Technical Group Meetings



- Next CSLF Technical Group Meeting will be Day 2 of 2014 CSLF Annual Meeting (venue and dates still TBD)
- 2015 CSLF Technical Group Meeting will be in June 2015 in Regina, Saskatchewan, Canada
  - Will feature a technology workshop
  - Will include a site visit to SaskPower Boundary Dam Project

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Comments welcome!