



Minutes of the Joint Meeting of Policy and Technical Groups

London, United Kingdom

14 October 2009

LIST OF ATTENDEES

Policy and Technical Group Delegates

Policy Group Chair:	Victor Der
Technical Group Chair:	Trygve Riis
Australia:	Margaret Sewell, Clinton Foster (Technical Group Vice Chair)
Brazil:	Daniel Falcon Lins, Claudia Vieira Santos
Canada:	Stefan Bachu, Ian Hayhow, Kouoush Zargareh
China:	Chen Linhao, Peng Sizhen
Denmark:	Søren Fredirixsen
European Commission:	Wiktór Raldow, Jeroen Schuppers
France:	Bernard Frois, Pierre Le Thiez, Christian Fouillac
Germany:	Peer Hoth, Jürgen-Friedrich Hake
Italy:	Giuseppe Girardi
Japan:	Shinichi Terada, Noriaki Ozawa
Korea:	Seung Young Chung, Chang-Keun Yi, Young J. Joo, Sehyung Joo
Mexico:	José Miguel González Santaló
Netherlands:	Harry Schreurs
New Zealand:	Roger Fairclough
Norway:	Tone Skogen, William Christensen, Jostein Dahl Karlsen
Poland:	Elżbieta Wróblewska
Russia:	Boris Reutov, Liudmila Orletskaya
Saudi Arabia:	Abdulmuhsen Alsunaid, Khalid Abuleif
South Africa:	Muzi Mkhize (Policy Group Vice Chair), Tony Surridge (Technical Group Vice Chair)
United Kingdom:	Ruth Hampton (Policy Group Vice Chair), Bronwen Northmore, Nick Otter
United States:	Joseph Giove, George Guthrie, Jock Whittlesey
CSLF Secretariat	Barbara McKee, Rich Lynch, John Panek, Kathryn Paulsgrove, Jeffrey Price

1. Opening Remarks

Chairman Der welcomed the delegates and introduced himself and Trygve Riis, Chair of the Technical Group. Dr. Der stated that the purpose of this meeting was to receive reports from the Policy and Technical Group meetings and to summarize the Ministerial meeting, which he said was a great success.

2. Adoption of Agenda

The draft agenda was approved with one change, the deletion of the agenda item on the presentation of awards to completed projects, which was done at the Ministerial meeting the previous day.

3. Review and Approval of Minutes from Cape Town Meeting

The draft minutes of the previous joint meeting of the CSLF Policy and Technical Groups held in Cape Town, South Africa in April 2008 had been circulated for comment to the Policy and Technical Groups on a timely basis and the final draft, which incorporated comments received, had been posted on the CSLF website. The minutes were approved without further change.

4. Review of Cape Town Meeting Action Items

Barbara McKee, Director of the CSLF Secretariat, reported that all action items from the previous joint meeting had been completed.

5. Reports from the Technical and Policy Groups

Technical Group

Chairman Riis reported on the Technical Group meeting. He stated that:

- Norway was elected as the Technical Group Chair and Australia and that South Africa as were elected as Vice Chairs for the next three-year term.
- The 2009 CSLF Technology Roadmap has been completed. The Technology Group reached a consensus to continue to keep the CSLF Technology Roadmap periodically updated, with specific additional work is to be done on the gaps analysis.
- Increased efforts will be undertaken on CSLF-recognized projects. This will consist of categorizing projects, follow-up on existing projects, assessing completed projects and determining the types of projects that will be needed, all of which will be driven by and linked to the technology gaps analysis. The CSLF Projects Interaction and Review Team (PIRT) will take the lead on these activities and there will be new leadership of the PIRT when the United Kingdom's term as chair is concluded. The Technical Group is looking forward to increased collaboration with Global Carbon Capture and Storage Institute (GCCSI), the IEA Greenhouse Gas R&D Programme (IEA GHG), and other organizations.
- The Risk Assessment Task Force has completed Phase 1 and will begin Phase 2. Working Group on Performance-based Standards just started work over the summer of 2009. It was noted that there was overlap between the Risk Assessment Task Force and the Working Group on Performance-based Standards. The two activities will continue to be separate, but will work closely together. Guidance is requested from the Policy Group on whether the Risk Assessment Task Force should consider liability issues connected with risk assessment.

- The next Technical Group meeting will be in France in March or April 2010 and will include a component (including site visit) on the CSLF-recognized Lacq CO₂ Capture and Storage Project.

The Policy Group reached consensus to approve the election by the Technical Group of its Chair and Vice Chairs.

In response to the request for guidance on if the Risk Assessment Task Force should consider liability issues, Chairman Der asked what technical aspects of liability would be considered in the risk assessment. Dr. Der stated his perspective that risk assessment looks at methodologies and probabilities for events that could occur and that those data would serve as inputs to analyses of liability issues. The Risk Assessment Task Force Chair, George Guthrie of the United States, clarified that there were non-technical aspects of the connection between risk and liability and the question was which of these aspects, if any, the Task Force should address.

Noting that the CSLF Incentives Registry collects information on legal and regulatory actions to address liability, Barbara McKee proposed that the Secretariat develop a report for the next Policy Group meeting on how risk assessment and liability are handled in various jurisdictions. Dr. Der commented that it would be useful to look at the complete value chain, reviewing the methodologies, analyses, and data used to address liability. He also noted that the issue of risk assessment was linked to best practices and the development of standards, and that such standards are used to value insurance and for permitting and long-term stewardship. Consensus was reached to accept the Secretariat's proposal.

Ruth Hampton of the United Kingdom noted that it was important for the Policy Group to be aware of Technical Group activities in this area and that it may be useful to have a joint discussion in the future on this topic. The Secretariat was instructed by Dr. Der to consider and recommend how this interaction could best take place.

Policy Group

Chairman Der reported on the Policy Group meeting. He stated that:

- Poland has become the 24th Member of the CSLF. Dr. Der welcomed Poland and also stated that he hoped Spain and Indonesia, who had been represented by observers at the Policy Group meeting, would soon become CSLF Members.
- Consensus was reached on the Ministerial Communiqué, which was adopted with very minor changes. He thanked the Secretariat and delegates who ironed out the last-minute issue on the Communiqué.
- The Policy Group will consider mechanisms to coordinate and engage with the GCCSI. The Secretariat will assess how that can move forward.
- The Capacity Building Task Force activities will be expanded and the CSLF will work with the GCCSI and others.
- The Financing CCS Task Force will engage key stakeholders on commercial models for CCS deployment.
- The Task Force on CCS in the Academic Community will survey needs.
- The Communications Task Force discussed information dissemination and links to the CSLF website.

- There should be coordination between the Task Forces on Capacity Building, CCS in the Academic Community, and Communications.
- The ten projects recommended by the Technical Group for CSLF recognition were approved.
- The Policy Group heard a report on the Major Economies Forum paper on CCS. This paper will be a technology action plan and is expected to be ready on November 15th.
- It was also announced in the Ministerial Conference that the next Ministerial meeting will be in China, but the date and venue of the next Policy Group meeting has yet to be determined. China's delegation had questions about whether the date would be 2011 or 2012, which they will discuss with the Secretariat.

6. Follow-up to the Ministerial Conference

Chairman Der stated that he believed that the Ministerial Conference was a resounding success, that the CSLF had engaged the Ministers and received high-level support for CCS, and that there was engagement between both stakeholders and ministers and recognition by both industry and government of the challenges facing CCS deployment. He also congratulated the exhibitors and stated that both he and the Ministers were very impressed. The Ministerial meeting was very supportive of the expanded capacity building initiative. The challenge now facing the CSLF is to meet the high expectations of the Ministers.

Delegates were asked to offer comments on the Ministerial Conference.

The two hosts were asked to speak first. Ruth Hampton stated that the United Kingdom was pleased that the Communiqué contained a clear message in on the role of CCS in climate change. Ms. Hampton also noted that there was a consensus to continue to work together in a variety of areas, notably on commercial models for CCS deployment, knowledge-sharing principles, demonstrations and the money agreed for capacity building. Overall, it was a very positive outcome.

Tone Skogen of Norway stated that the fact that so many Ministers attended was a good sign that CCS is receiving increasing attention and that it was pleased that the Ministers unanimously recognized the important role that CCS will play in combating climate change. Ms. Skogen stated that Norway was also pleased with the expanded CSLF capacity building program.

Bernard Frois of France stated he was pleased with the Conference and with the communiqué. It was important that the Ministerial Conference gave CCS higher visibility.

Peer Hoth of Germany stated that it was a very good and successful meeting and congratulated the organizers. Germany will soon have a new government and that would be developing plans for CCS. The two key points for Germany are the needs to minimize the energy penalty of CCS and that for more work to be done to develop onshore CO₂ storage.

Wiktor Raldow of the European Commission stated that he believed the Ministerial Conference was a great success and that it was timely because the Commission was starting a very large demonstration program. The Commission was also pleased that meeting acknowledged the importance of CCS in Clean Development Mechanism, knowledge sharing, and capacity building. It was noted that European Commission research programs are open to all CSLF members and they are urged to take advantage of

this possibility. Mr. Raldow also remarked that the Ministerial Conference was a very important step in making CCS visible and in public awareness.

Muzi Mkhize of South Africa stated that the entire Ministerial meeting was very successful and congratulated the United Kingdom, Norway, and the Secretariat. The meeting took tangible steps on capacity building and the South African Minister is taking CCS seriously.

Elżbieta Wróblewska of Poland thanked the delegates for admitting Poland to CSLF Membership and noted that Poland is moving forward with two CCS demonstration projects, which are in the advanced stage of development with European Union support. Poland has a geologic research program which will produce useful information that can be shared.

Daniel Falcon Lins of Brazil thanked the hosts and the Secretariat for organizing the meeting, which Brazil considers a success. The CSLF is playing a good role in creating an informed debate and spreading knowledge of CCS. Mr. Lins agreed with Germany that more work is needed on geologic CO₂ storage.

Harry Schreurs stated that the Netherlands was very pleased that the Ministerial had a good outcome in that both the Ministers and industry are now speaking the same language on CCS. The Netherlands believes that more attention needs to be paid to transport systems to link the sources and sinks.

Ian Hayhow of Canada thanked the organizers and mentioned that renewal of the CSLF Charter could be a matter for consideration at the next CSLF Ministerial meeting.

Chen Linhao of China also thanked the organizers and stated that he believed it was a very successful meeting that facilitated understanding between developed and developing countries. China believes that the utilization of CO₂ needs to receive more emphasis. China also appreciates the capacity building program and wishes to obtain support from that program.

Dr. Der, representing the United States view, congratulated the hosts and Secretariat and stated that he believed that the CSLF was going in an exciting new direction. The United States is looking forward to participating in the expanded capacity building program.

Barbara McKee stated that it was a pleasure for the Secretariat to work with both the United Kingdom and Norway. The meeting has done much to raise the profile of CCS. Since the conclusion of the Ministerial Conference, the Secretariat has received many requests for information from news organizations around the world. Ms. McKee also stated that the Secretariat appreciated the support received from the delegates.

7. New Business

There was no new business.

8. Closing Remarks

Chairman Der again thanked the United Kingdom and Norway hosts and all the participants, and reiterated that he believed that the entire meeting was a success at all levels. Dr. Der stated that the CSLF is relevant, in part, because the scope and magnitude of the challenges to developing CCS on a global scale are so large. The CSLF also represents governments that are decision makers. These governments put together the policies and legal frameworks needed for CCS and are very important partners in moving projects forward. Dr. Der also stated that he sees the CSLF as a team that must work together and with others to commercialize CCS, but that he had one caution: in order to

accelerate CCS we have to get it right technically, politically, in the legal framework and in public acceptance.

Chairman Riis reinforced that the entire meeting had been extremely successful. Mr. Riis also stated that as Chair of the Technical Group he had enjoyed good support from the Secretariat. The Technical Group is beginning a new phase and faces many new challenges, and has much interesting and hard work ahead.

**ACTION ITEMS ARISING FROM THE JOINT MEETING
OF THE POLICY AND TECHNICAL GROUPS**

Item	Lead	Action
1	Secretariat	Prepare a report on what actions have been taken on risk assessment and liability for the next Policy Group meeting.
2	Secretariat	Determine how the Technical and Policy Groups can best have a discussion together on the link between risk and liability.
3	Secretariat, China	Discuss date of the next Ministerial meeting