



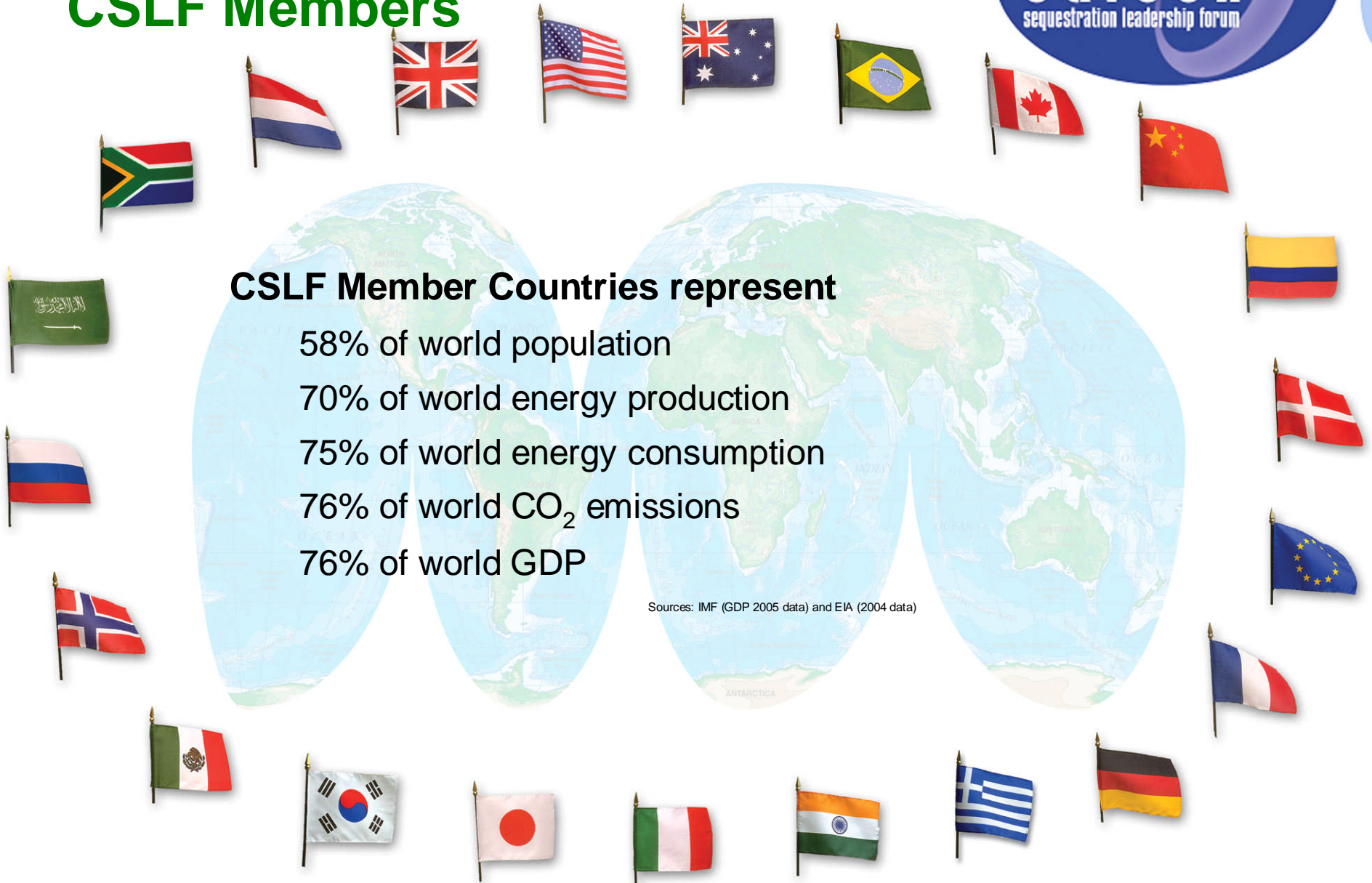
CSLF Technical Group Meeting and Capacity Building Workshop

Report by the CSLF Secretariat

Al Khobar, Saudi Arabia

January 27, 2008

CSLF Members



CSLF Member Countries represent

- 58% of world population
- 70% of world energy production
- 75% of world energy consumption
- 76% of world CO₂ emissions
- 76% of world GDP

Sources: IMF (GDP 2005 data) and EIA (2004 data)



Overview of Secretariat Activities

- Website updates
- CSLF Public Meeting Place (PuMP)
- Meetings and Workshops
- Stakeholder Registry
- Workshop Survey
- CSLF Projects



CSLF Website

- Continued to upgrade the site.
- Created a new search tool for the entire site.
- Posted press releases on CCS projects, programs, and events to promote CCS awareness.
- Posted presentations and materials from these meetings and workshops:
 - Capacity Building in Emerging Economies Workshop (Pittsburgh, USA, May 7–11, 2007)
 - 2nd Capacity Building in Emerging Economies Workshop (Porto Alegre, Brazil, October 18-19, 2007)
 - 2nd IEA-CSLF Workshop on Near Term Opportunities for Carbon Capture and Storage (Oslo, Norway, June 21-22, 2007)
 - Review and Identification of Standards for CO₂ Storage Capacity Estimation Task Force Meeting (Paris, France, 25 March 2007).
 - CSLF Financial Issues Task Force Meeting (New Delhi, India, 11-12 October 2007).
 - Capacity Building Task Force Meeting (Oslo, Norway, June 20, 2007).
 - Capacity Building Task Force Meeting (Calgary, Canada, November 27–28, 2007).



CSLF Public Meeting Place (PuMP)

- Continues on trial basis. Online since November 2006.
www.csforum.org/forum
- Purpose to foster greater communication.
- Forum allows users to start discussion topics, post and read messages, and reply to the comments of others.
- Allows for special purpose meetings.
- Opportunity for task force or ad hoc meetings.
 - Could improve frequency and openness of discussion given membership's global schedules.

Meetings and Workshops



Future

- Meeting of the CSLF Policy and Technical Groups (Cape Town, South Africa, April 13–17, 2008)
 - Working with hosts to plan the meeting.



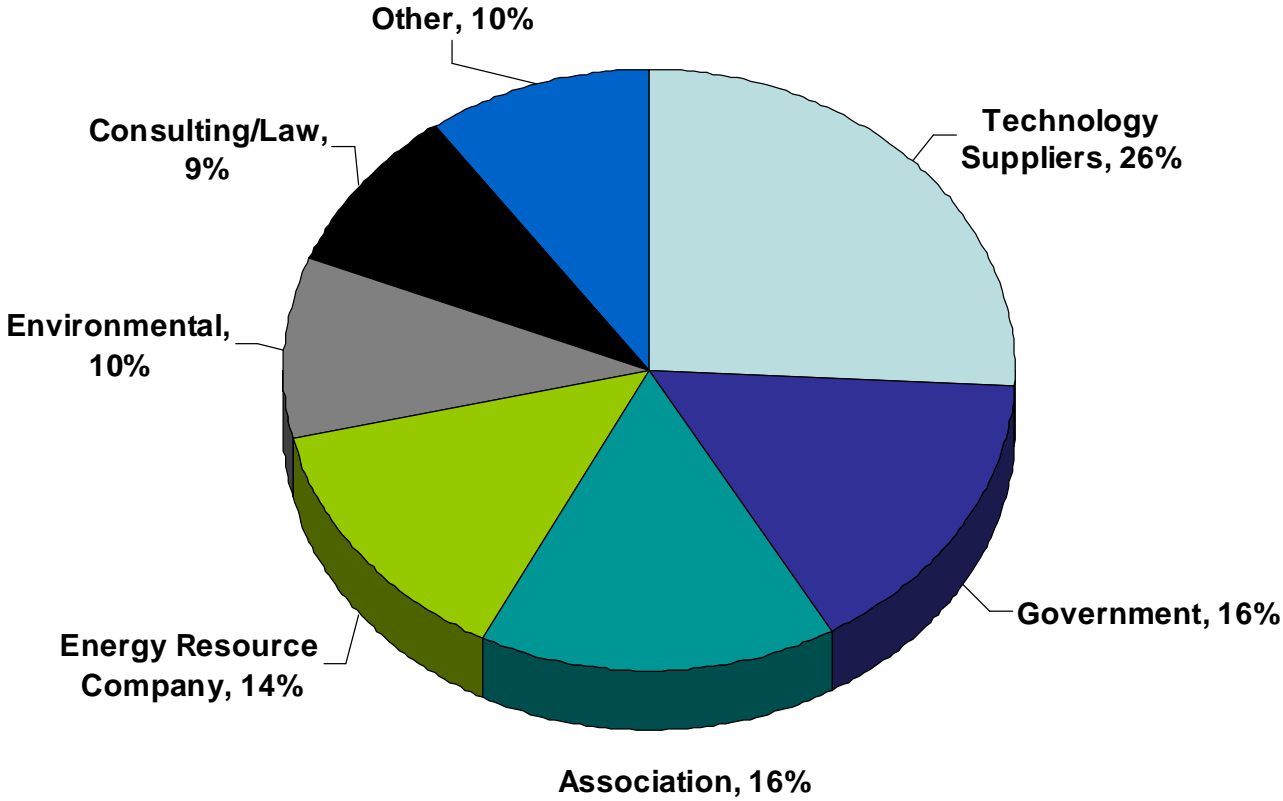


Stakeholder Registry

- 23 stakeholders have registered since the Paris CSLF meeting.
- 109 registered stakeholders, as of January 10, 2008
- Stakeholders by Industry:
 - Technology suppliers – 26%
 - Government – 16%
 - Association – 16%
 - Energy resource company – 14%
 - Environmental – 10%
 - Consulting/law – 9%
 - Other – 10%
- Areas of Interest:
 - CO₂ capture – 82%
 - CO₂ transport – 59%
 - CO₂ storage – 87%
 - Environmental policy – 80%
 - Energy policy – 87%
 - Economics – 73%
 - Legal/regulatory issues – 80%
 - Capacity building – 62%
 - Financing – 51%
- Type of organization:
 - Governmental – 17%
 - Non-governmental – 76%
 - Multilateral – 6%

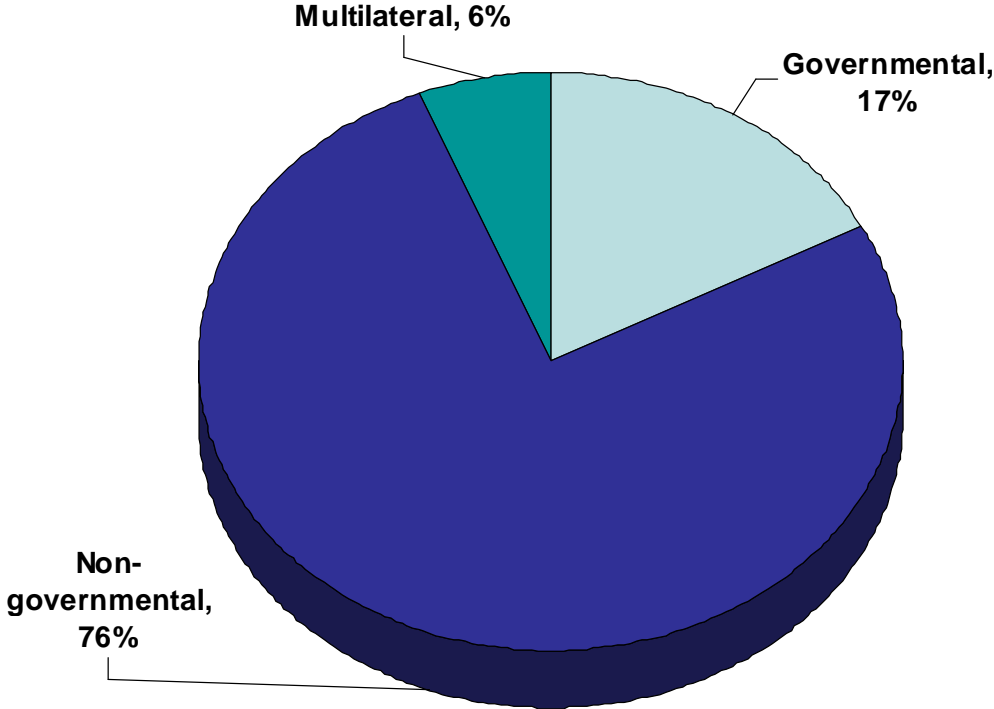


Stakeholders by Industry



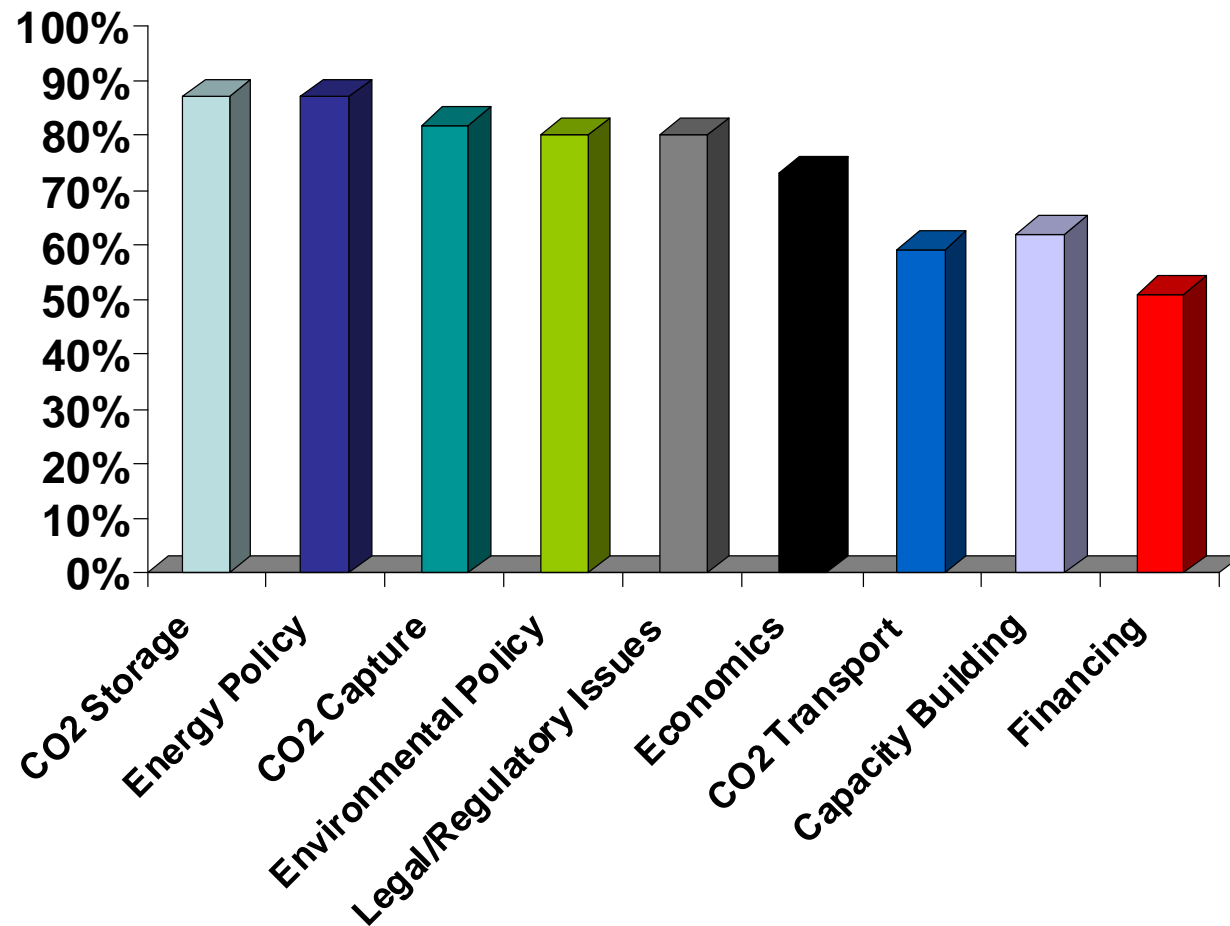


Type of Organization





Areas of Interest





Overcoming Barriers to CCS Deployment Workshop

Survey Results
Paris, France,

March 27, 2007

Overview



Purpose:

- Gather feedback on the workshop's strengths and weaknesses.
- Learn what attendees would like to see in future workshops.

Overview



Attendees were asked about:

- Level of success in identifying opportunities and obstacles;
- Appropriateness of workshop content;
- Value of the poster session;
- Overall success of the workshop in meeting expectations;
- Interests of workshop attendees;
- Amount of presentations and panel discussions;
- Ideas for future workshops; and
- Overall impressions.



Overview

Date of Workshop: March 27, 2007

Location: IFP Offices, Paris, France

Survey Methodology: Online Survey

Number of Attendees: Approx. 120

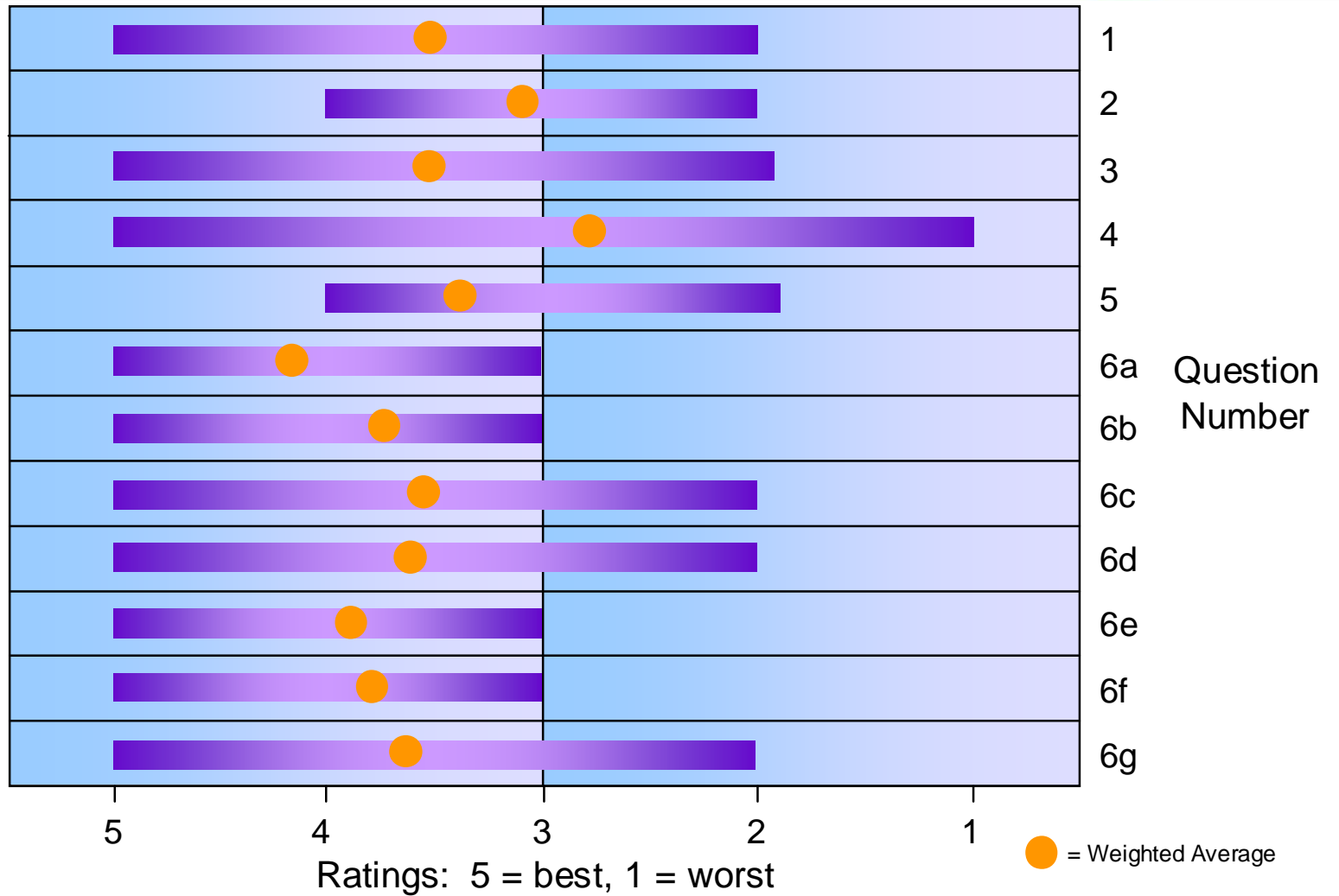
Data Collection: June 8th – 30th



Key Findings

- The workshop was worthwhile.
- 85% thought topics were appropriate (neutral or higher).
- Most were interested in technical as well as policy aspects.
- Unanimous support for more time for panel discussions.
- Majority would like to see fewer presentations.
- Overall Impressions:
 - More time for audience interaction and panel discussion.
 - Fewer presentations and posters.
 - Scheduling the workshop in the middle of a CSLF meeting ensures best possible attendance.

Overall Ratings





Survey Questions

- 1) Was the workshop successful in identifying the possibilities for deploying CCS technologies at a large scale?
- 2) Was the workshop successful in identifying ways of removing obstacles to deployment of CCS?
- 3) Was the workshop successful in identifying where actions and initiatives/projects are required to address some of the critical issues and gaps?
- 4) Did the poster event add to the success of the workshop?
- 5) Did the workshop succeed in meeting your expectations?



Survey Questions

- 6) Were the program topics appropriate for the workshop?
 - a. Stakeholder input to policy development
 - b. Ongoing work to remove obstacles for large-scale industrial initiatives
 - c. Industrial initiatives: *What is needed to make them happen?*
 - d. What's next? *Technology*
 - e. What's next? *Communication and Public Acceptance*
 - f. What's next? *Legislation and Regulation*
 - g. What's next? *Putting a value on CO₂*



Survey Questions

- 7) What are your main interests in the CSLF workshops?
- 8) Do you want to see more or less presentations at the next workshop?
- 9) Should future workshops provide more or less time for panel discussions?
- 10) Have you previously attended a CSLF workshop or event?
- 11) What would you like to see in future CSLF workshops and events?
- 12) What was your overall impression of the workshop?



CSLF Projects Overview

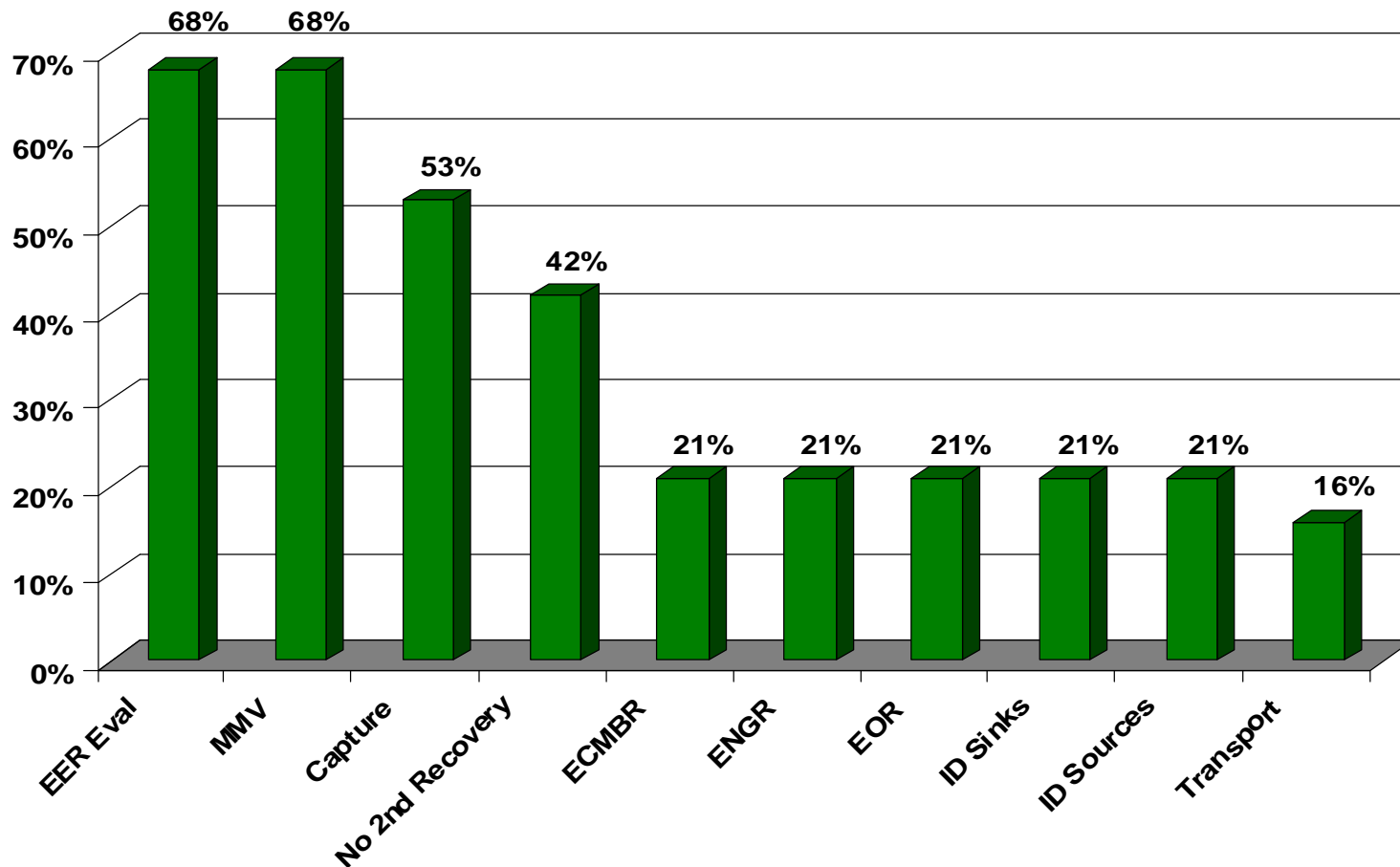


Project Technologies

- 19 CSLF Recognized Projects (17 Active Projects; 2 Completed Projects)
- Project Technologies:
 - CO2 Capture – 10 projects
 - CO2 Transport – 3 projects
 - CO2 Storage with Enhanced Oil Recovery – 4 projects
 - CO2 Storage with Enhanced Coal Bed Methane Recovery – 4 projects
 - CO2 Storage with Enhanced Natural Gas Recovery – 4 projects
 - CO2 Storage with No Secondary Recovery – 8 projects
 - CO2 Measurement, Monitoring, and Verification (MMV) of Storage – 13 projects
 - Identification of potential CO2 storage sites – 4 projects
 - Identification of target CO2 sources – 4 projects
 - Economic and/or Environmental Evaluation and/or Risk Assessment – 13 projects



Project Technologies



Percentage of CSLF-Recognized projects showcasing a given technology



Completed CSLF Projects

Project	Location
<p>China's CBM Technology/CO₂ Sequestration Project</p> <p>Conclusion: enhancement of coalbed methane recovery and storage of CO₂ is feasible in the anthracitic coals of Shanxi Province</p> <p>Current bi-lateral country funding phase (Canada and China) completed</p> <p>Recommendation 1: proceed to multi-well pilot at test site</p> <p>Recommendation 2: evaluate deeper coal seams at alternative sites</p> <p>Project paper in the <i>International Journal of Greenhouse Gas Control</i> Volume 1(2007) p. 215-222, available at http://www.sciencedirect.com</p>	<p>China</p>
<p>CO2STORE</p> <p>Report: "Best Practice Manual" summing up results from the previous SACS project and CO2STORE (http://www.co2store.org, look in "Archive")</p>	<p>Denmark, Germany, Norway, and United Kingdom</p>