

Capacity Building Task Force for Carbon Capture and Storage in Emerging Economies

Progress Report
Cape Town, South Africa

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Objectives of Capacity Building

- Assist emerging economy Members to develop needed expertise and institutions
- Develop a set of educational resources that all CSLF Members can utilize
- → Transfer lessons from CSLF Projects and other known Carbon Capture and Storage (CCS) Initiatives.





- Melbourne September, 2004: capacity building activities first proposed
- Delhi April, 2006: Capacity Building Workshop approved
- Paris, March 2007: Capacity Building Workshop final details announced
- Pittsburgh, USA, May 7-11, 2007: First Capacity Building Workshop on Carbon Capture and Storage is held
- Porto Alegre Brazil, October 16-17, 2007: Second Capacity Building Workshop on Carbon Capture and Storage is held
- Al Khobar, Saudi Arabia, January 27-29: Third Capacity Building Workshop on Carbon Capture and Storage is held

Membership of the CBTF has increased



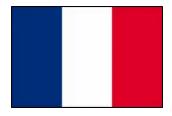
- Australia
- Canada
- Colombia
- European
 Commission
- France
- India
- Italy
- Mexico
- Saudi Arabia
- South Africa
- United Kingdom
- United States Chair



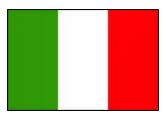






















Capacity Building Workshops: Current Results



- First Workshop: Pittsburgh, USA 50 participants from 7 countries
- Second Workshop: Porto Alegre, Brazil 130 participants from 10 countries
- Third Workshop: Al Khobar, Saudi Arabia –
 Over 100 participants from 12 countries

Over 300 professionals have received CCS training

All Workshops are not Created Equal



PITTSBURGH, USA

The Workshop was designed to:

- Give the participants an overview of basics of CCS
- Take advantage of the learning opportunities of the 6th Annual Conference on Carbon Capture and Sequestration held at the same venue
- Target the six CSLF member emerging economies: Brazil, China, Colombia, India, Mexico, and South Africa

All Workshops are not Created Equal



PORTO ALEGRE, BRAZIL

Organizers (Pontifical Catholic University, Petrobras, CBTF, and CSLF Secretariat) intended to:

- Provide a more in-depth tutorial of the topics presented in Pittsburgh
- Offer greater opportunity for two-way discussions between lecturers and participants
- Provide a forum for not only the six nations targeted for Pittsburgh workshop but to other developing nations as well as to expand global academic institutions' participation

All Workshops are not Created Equal



AL KHOBAR, SAUDI ARABIA

This workshop, though opened to all international interested nations, had a regional flavor:

- It emphasized CCS technologies as they relate to oil and natural gas
- Focused on 4 Themes:
 - Commercial Aspects and Opportunities for Storage of CO2 in Oil and Gas Reservoirs
 - 2. Technology Roadmaps and Their Importance
 - 3. Issues that Impact CCS
 - 4. The Needs of Emerging Economy Countries
- Offered a field visit to the Shaybah Field Gas-Oil Separation Plant

Other Milestones and Issues to Consider



- Financing workshops continues to be an issue of concern and Task Force members will keep trying to determine options and available opportunities.
- The Chair of the Task Force, with the input of task force members, has developed a 2-year plan.
- Task Force plans to prepare, standardized core training modules for capacity building based on materials from initial workshops.
- Overlap of CCS capacity building activities being conducted by CBTF and other entities such as APEC, IEA GHG, APP, bilateral (eg. U.S.-China), etc.