

CSLF Capacity Building in Emerging Economies Task Force Meeting

Report by the Secretariat

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Workshops

- •1st 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
- •3rd Capacity Building in Emerging Economies Workshop Al Khobar, Saudi Arabia, January 28-29, 2008
- •4th Capacity Building in Emerging Economies Workshop
 Mexico City, Mexico, July 9-10, 2008
- •5th Capacity Building in Emerging Economies Workshop Salvador, Brazil, September 8-9, 2008
- •6th Capacity Building in Emerging Economies Workshop Washington, DC, USA, November 16-20, 2008

Achieved Real Progress

Accomplishments include:

- Six Capacity Building Workshops over two years helping educate over 700 CCS academics and professionals.
- Workshops in South America, Asia, and North America attracted many countries.
- Raised profile of CCS as a viable option.

Definitive themes

- Targeted specific audiences.
- Saudi Arabian workshop conducted at two locations and included a technical tour of the Shaybah Field Gas-Oil Separation Plant.
- Washington Workshop in Nov. 2008 included attendance at the 9th International Conference on Greenhouse Gas Control Technologies (GHGT-9). Great opportunity to interact with 1,500 CCS professionals from 42 countries and hear 80 presentations.

Presentations from World-Class Experts

- More than 80 presentations are on the CSLF Website. Broad range of topics, including:
 - Why CCS
 - Commercial aspects of EOR
 - MM&V
 - Technology roadmaps
 - Needs of emerging countries
 - Individual country reports

1st Capacity Building Workshop

Pittsburgh, USA, May 7-11, 2007



- More than 50 participantsfrom 7 countries
- •Held in conjunction with the Annual Conference on Carbon Capture and Sequestration
- •Large-Scale Commercial Deployment of CCS
- •CO2 Storage in Geological Media
- •MM&V
- •Tour of the National Energy Technology Laboratory (NETL)

2nd Capacity Building Workshop

Porto Alegre, Brazil, October 18–19, 2007

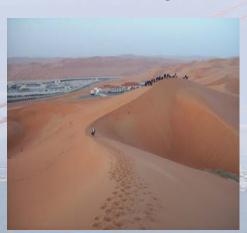




- •Significant number of undergraduate and graduate students from Brazil's top universities
- Legal and Regulatory Aspects of CCS
- CCS Safety and Analogues
- Sustainable Oil and Gas
 Production
- •CO2 Storage in Saline Reservoirs
- •CO2 Well Integrity and Wellbore Monitoring
- Source-Sink Matching

3rd Capacity Building Workshop

Al Khobar, Saudi Arabia, January 27–29, 2008







- •Prince Abdulaziz bin Salman bin Abdulaziz opened the workshop and emphasized innovation, markets, and technological development in mitigating climate change. The workshop featured four main themes:
 - Storage of CO2 in oil and gas reservoirs
 - Technology Roadmaps
 - Legal, regulatory and risk issues
 - The needs of emerging economy countries

4th Capacity Building Workshop

Mexico City, Mexico, July 29-10, 2008



Taller de Secuestro y Captura de CO₂ (CCS)

México, D.F. 9 Y 10 de julio del 2008

Museo Tecnológico de la CFE



- •140 attendees from Mexico's energy industries
- Identification and quantification of capacity of CO2 storage sites
- Enhanced oil recovery using CO2
- PEMEX experience in CO2 injection
- •Development of a framework for a proposed CCS Action Roadmap in Mexico
- Scenarios for electricity generation and CO2 emissions in Mexico for 2050

5th Capacity Building Workshop

Salvador, Brazil, Sept. 8-19, 2008









- Workshop held in conjunction with a Petrobras seminar on CCS
- Why CCS in Brazil
- Carbon Capture
- Legal Frameworks to Enable CCS in Offshore Waters
- Overview of CCS Projects Around the World
- Stakeholder Integration and Involvement
- MM&V of CCS Projects
- Risk Analysis -- Geologic and Policy Issues

6th Capacity Building Workshop

Washington, USA, Nov. 16-20, 2008







- •Held in conjunction with the 9th International Conference on Greenhouse Gas Control Technologies (GHGT-9)
- Financing the first CCS projects
- Getting Large-Scale Geological Sequestration Projects Started
- Global CCS Legal & Regulatory Developments
- •The Role of CCS in the EU
- International Marine Regulation of CO2 Geological Storage
- The EU Enabling Legal Framework for Carbon Capture and Geological Storage
- Informed Public Opinion on CCS
- Designing and Implementing Regulatory Frameworks

Pathway Forward

- Hosts have provided extraordinary support
- Past workshops targeted for specific audiences
- Planning and structure are vital
- Major conferences present opportunities for adjacent events
- Key contributions from the Policy and Technical Groups