

International Energy Forum - Global CCS Institute Symposium on Carbon Capture and Storage

Hosted by the Ministry of Energy and Mines, Algeria.
31 May – 01 June 2010, Hotel El Aurassi, Algiers, Algeria

Given the projected increase in long-term demand and the dominance of fossil fuels in the future energy mix, there is an urgent need to improve the environmental sustainability of their production and consumption.

At the 12th IEF Ministerial held in Cancun, 30-31 March 2010, Ministers affirmed that CCS is one of the key technologies that can contribute to mitigating climate change and delivering a sustainable energy future. They welcomed the joint initiative by the IEF Secretariat and the Global CCS Institute to organize a series of symposia on CCS with the objective of facilitating the development and commercial deployment of CCS technology.

The 1st symposium was hosted by the Energy Research Institute of the National Development and Reform Commission (ERI – NDRC) on 27-28 September 2009 in Beijing, China. The main objective of this first symposium was to assess the current state of CCS development, with particular focus on CO₂-EOR and its potential to enhance global energy security. Representatives from government, industry, research centres, financial and international institutions debated practical measures to address the barriers to CCS deployment and developed messages regarding the importance of CCS in creating a lower carbon future.

Ministers took note of the key conclusions of this first symposium and observed that the progress of CCS has been encouraging, but cost, knowledge sharing and the necessary regulatory infrastructure remain as significant obstacles. They also reinforced the call for the inclusion of CCS in the Clean Development Mechanism (CDM) and other future financial mechanisms, as well as the need to better communicate the importance of CCS to the public to build awareness and broad support.

The 2nd IEF-Global CCS Institute symposium on CCS, supported by the government of Algeria, will be held on 31 May - 01 June 2010 in Algiers. The symposium will promote the exchange of technical and policy elements of CCS projects and investigate ways to accelerate its deployment particularly through enhanced cooperation and partnership. Building on messages developed in Beijing, participants will review recent progress, share views on the challenges of development, and address technological, economical and regulatory issues facing CCS to build global support at all levels in both government and industry. Participants will be given the opportunity to visit the In Salah CCS Project.

Agenda

Monday 31 May 2010

08.30 - 09.15: Registration

09.15 - 09.45: Welcome Address and Opening Statements

- Hamid Dahmani, Director General, Ministry of Energy and Mines, Algeria
- Claude Mandil, Former Executive Director of the IEA, Member of the Global CCS Institute's International Advisory Panel
- Noe van Hulst, Secretary General, IEF

09.45 - 10.00: Keynote Speech

- John Panek, Deputy Director, Carbon Sequestration Leadership Forum Secretariat

10.00 – 10.30: Coffee & networking break

10.30 – 12.30: Session One: Latest developments in technology, regulatory and financial aspects of CCS

Moderator: Larry Hegan, Senior Analyst Projects, Global CCS Institute

Panelists:

1. John Gale, General Manager, IEA GHG R&D Programme
2. Gilles Munier, Chief Executive Officer, Geogreen
3. Tim Bertels, Manager CCS Portfolio, Shell International E & P
4. Ali A. Al-Meshari, Chief Technologist, Ministry of Petroleum and Mineral Resources, Saudi Arabia
5. Gabriel Marquette, Director EU and Industry Relations, Schlumberger

- What is the latest progress on technology, policy and regulation?
- What are the new developments/announcements in the funding of CCS projects?
- How has public acceptance evolved?
- How can the economic and business cases for CCS and EOR be assessed?
- What are the feasibility issues for storage in depleted oil and gas fields?
- What kind of approach could or should be used for selecting and monitoring storage sites?
- What are the measurement, monitoring and verification (MMV) considerations needed for EOR to be considered to secure CO₂ storage?

Roundtable discussion

12.30 – 14.00: Lunch break

14.00 – 16.00: Session Two: Existing projects: bridging the gap between pilot and commercial units?

Moderator: Iain Wright, CO₂ Project Manager, BP

Panelists:

1. Giles Dickson, Vice President Government Relations Europe, Alstom Power
 2. Mohamed Keddam, Manager, In Salah Gas, Sonatrach
 3. Fumihito Ito, Associate Executive Officer, Senior Manager Oil and Gas Project Division, JGC Corporation
 4. Rose de Lannoy, CCS Corporate Program Manager, Research & Innovation Division GDFSUEZ, and Alain Laval, G & G Manager, Groupement Touatgaz, GDFSUEZ
 5. Saeed Mohsen, Senior Reservoir Engineer, Research Institute of EOR, NIOC
 6. Didier Bonijoly, CO₂ Project Coordinator, BRGM, France
- How are existing projects progressing? What lessons have been learned?
 - What are the structural challenges faced and hurdles overcome?
 - What are the opportunities for cost reduction and economic improvement?
 - What kind of cooperation between Governments and industry has been achieved?
 - What are the opportunities for CCS in oil and gas producing countries?
 - What are the opportunities for knowledge and technology transfer from the oil and gas sector?
 - What is the potential for CCS in EOR from mature oil and gas fields?
 - How could NOC-IOC collaboration contribute to accelerate the development of CCS technology?

Roundtable discussion

19.30: Dinner hosted by the Ministry of Energy and Mines, Algeria

Tuesday 01 June 2010

09.00 – 11.00: Session Three: CCS development, Where to after Copenhagen?

- Moderator: Claude Mandil, Former Executive Director of the IEA, Member of the Global CCS Institute's International Advisory Panel

Panelists:

1. Taher Najah, Downstream Oil Industry Analyst, OPEC
2. Nathalia Kulichenko, Senior Energy Specialist, World Bank
3. Dennis Best, CCS Programme Officer, IEA
4. Jonathan Fuller, London Manager, Director Senergy Ltd, Senergy
5. Jose Miguel Gonzalez Santalo, Director of Division, Institute for Electric Research of the Ministry of Energy, Mexico
6. Luc de Marliave, Climate Energy Advisor, Total

- What kind of incentives could be implemented by governments to encourage deployment of CCS technology?
- How can greater business interest in CCS deployment be encouraged?
- How may the outcome of Copenhagen Conference impact CCS development?
- What kind of messages should be developed towards COP 16 in Mexico?
- CCS in CDM. Yes? No?
- What further steps should be taken to build public acceptance?
- What international mechanisms can be used for funding CCS deployment in developing countries?

Roundtable discussion

11.00 – 11.30: Coffee & networking break

**11.30 – 12.30: Session Four: Wrap up session: Conclusions and Recommendations.
Publication of Concluding Statement by IEF and Global CCS
Institute**

- Noe van Hulst, Secretary General, IEF
- Larry Hegan, Senior Analyst Projects, Global CCS Institute
- Iain Wright, CO₂ Project Manager, BP
- Claude Mandil, Former Executive Director of the IEA, Member of the Global CCS Institute's International Advisory Panel
- Hamid Dahmani, Director General, Ministry of Energy and Mines, Algeria

12.30 – 14.00: Lunch

Wednesday 02 June 2010

Visit to the In Salah CCS Project