

CCS from cradle to grave: The technical and safety challenges

Holiday Inn, Birmingham, UK 22-23 March 2012

Two day event, in association with the EU FP7 CO₂PipeHaz and COCATE consortia and sponsored by IChemE's Safety and Loss Prevention Special Interest Group.

The success of Carbon Capture & Storage (CCS) as a viable economic means of mitigating the impact of global warming, requires tackling a number of significant technical and safety challenges. Through its Energy Programme, the European Commission has been at the forefront of funding a number of CCS projects spanning cutting edge research to the construction of full-scale demonstration plants.

Presentations will given by key industrial and academic representatives selected from a number of on-going and recently completed EC FP7 projects spanning capture, transportation and storage. The presentations will address the technical, safety and economic aspects including the impact of the stream impurities on the entire CCS chain. The event will provide participants with the ideal opportunity of becoming familiar with the latest developments in CCS at an international level and networking for future collaborations.

Thursday 22 March 2012

9:00	Registration & refreshments
9:30	Welcome and introduction to CO₂PipeHaz <i>Haroun Mahgerefteh, University College London, UK</i>
10:00	COCATE - Large-scale CCS transportation infrastructure in Europe <i>Sandrine Decarre, IFP Energies Nouvelles, France</i>
10:30	MUSTANG: Quantification of saline aquifers <i>Auli Niemi, Uppsala University, Sweden</i>
11:00	Break
11:30	Introduction to COMET <i>Dulce Boavida, LNEG, Portugal</i>
12:00	Overview of UltimateCO₂ <i>Pascal Audigane, BRGM, France</i>
12:30	CO₂Europipe overview of long term CO₂ transport infrastructure <i>Filip Neele, TNO, The Netherlands</i>
13:00	Lunch
14:00	CO₂CARE - CO₂ site Closure Assessment Research <i>Andy Chadwick, British Geological Survey, UK</i>
14:30	COMET - Storage capacity <i>Roberto Martinez, IGME, Spain</i>
15:00	CO₂PipeHaz - Dispersion of accidentally released CO₂ <i>Olav R. Hanson, GexCon, Norway</i>
15:30	Break
16:00	COCATE - Corrosion of pipe steel <i>Xiaolong Zhang, TNO, The Netherlands</i>
16:30	COCATE - Collecting networks and export systems - Lessons learnt from COCATE economic study <i>Gaëlle Bureau, Geogreen, France</i>
17:00	CO₂Europipe - The Karsto Pipeline Project <i>Sigve Apeland, Gassco, Norway</i>
17:30	Close

Evening dinner: The delegate fee for the two days, includes a dinner on the evening of 22 March. The dinner will be held in the Stephenson Suite at the Holiday Inn at 19:00.

Accommodation: The Hotel have an allocation of rooms reserved for participants at this event, but are on a first come, first served bases and will need to be booked before 10 February 2012. If you do require accommodation on the night of 22 March, please call the hotel direct on +44 (0)121-6346200, and quote **IChemE** for the special rate.



Friday 23 March 2012

8:30	Registration & refreshments
9:00	COCATE - Safety management <i>Mark Spruijt, TNO, The Netherlands</i>
9:30	COMET - GIS integration <i>Julio Carniero, University of Evora, Portugal</i>
10:00	CO₂PipeHaz - Risk assessment decision support for CO₂ pipelines <i>Laurence Cusco, HSL, UK</i>
10:30	MUSTANG - Lab scale characterisation of hydrochemical processes triggered by CO₂ injection in reservoirs <i>Philippe Gouze, CNRS, France</i>
11:00	Break
11:30	CO₂PipeHaz - CFD modelling of accidental releases of carbon dioxide from pipelines <i>Robert Woolley, University of Leeds, UK</i>
12:00	CO₂PipeHaz - Modelling solid CO₂ formation and release <i>Sergey Martynov, University College London, UK</i>
12:30	COMET - TIMES MARKAL models <i>Giancarlo Tosato, Asatrem, Italy</i>
13:00	Lunch
14:00	CO₂Europe - Policy and regulations to support the development of an EU CCS infrastructure <i>Tom Mikunda, ECN, The Netherlands</i>
14:30	COMET - Achievements and their importance <i>Marie Gastine, BRGM, France</i>
15:00	Closing remarks & discussion <i>Haroun Mahgerefteh, University College London, UK</i>
15:30	Close of event

Venue: Holiday Inn, Birmingham City Centre, Smallbrook Queensway, Birmingham, B5 4EW

Directions: Available at - <http://www.holidayinn.com/hotels/us/en/birmingham/bhxwm/hoteldetail>

Event registration: Pre-registration is essential. To reserve your place, please complete and return the accompanying registration form with your payment.