



The
Geological
Society



A joint meeting with the Geological Society and AAPG

Carbon Capture & Storage

From Research to Implementation

14-15 January 2013, London

Day 1 – Monday 14 January	
09.00	Registration and coffee
09.30	Chairman's welcome address Stuart Haszeldine, Professor of Carbon Capture and Storage, <i>University of Edinburgh</i>
Session 1: The economic and regulatory context of CCS	
9.40	Practical implementation of CCS projects under new regulatory regimes Robert F. Van Voorhees, Manager, <i>Carbon Sequestration Council, USA</i>
10.05	Opportunities for carbon capture utilisation and storage development in China Daan Jansen, Project Manager, Biomass and Energy Efficiency, <i>Energy Research Centre, Netherlands</i>
10.30	Norwegian CO₂ Storage Atlas and progress on storage activities Eva Halland, Project Director, CO ₂ Storage, <i>Norwegian Petroleum Directorate</i>
10.55	Tea and coffee
11.25	CCS: why do we need it, will it be cost-effective and how do we pay for it? Jeff Chapman, Chief Executive, <i>The Carbon Capture and Storage Association</i>
11.50	DECC commercial projects research portfolio Matthew Billson, Head of Technology Development, Office of Carbon Capture and Storage <i>DECC</i>
12.15	Morning summary and discussion
12.30	Lunch
Session 2: Carbon capture models and applications	
13.30	Solid adsorbents for post and pre-combustion capture Colin Snape, Director of Energy Technologies Research Institute, <i>University of Nottingham</i>
13.55	Whole-chain CCS system modelling – Accelerating deployment and managing risk Alfredo Ramos, Head of CCS Business, <i>PSE Enterprise</i>
14.20	Carbon capture and utilisation as a renewable energy vector Peter Styring, Professor of Chemical Engineering and Chemistry, <i>University of Sheffield</i>
Session 3: CCS current and near-future research and developments	
14.45	European Commission initiatives on CCS: an update from the research perspective Vassilios Kougionas, Research Programme Officer, Directorate-General for Research and Innovation, <i>European Commission</i>
15.10	Tea and coffee

15.30	CO2 EOR and Storage – Prospects and Challenges in the UKCS James Lorson, Exploration and Production Director, <i>2Co Energy Limited</i>
15.55	Icelandic CarbFix project: Interim results of Injecting CO2 into basaltic rocks Eric Oelkers, Research Director, <i>Centre National de la Recherche Scientifique, France</i>
16.20	Achieving regulatory conformance: a study in prediction verification at Sleipner Andy Chadwick, Head of CO2 Storage Research, <i>British Geological Survey</i>
16.45	Afternoon summary and discussion
17.00	Close of day 1
17.45	Drinks reception

Day 2 – Tuesday 15 January	
08.30	Registration and coffee
09.00	Chairman's introductory remarks Stuart Haszeldine, Professor of Carbon Capture and Storage, <i>University of Edinburgh</i>
Session 1: CO2 utilisation , storage and monitoring	
09.05	Numerical modelling and simulation of CO2 storage in geological formations Jan Martin Nordbotten, Professor of Applied Mathematics, <i>University of Bergen, Norway</i>
09.30	Containment and injectivity: How to assess and monitor it Vincent Vandeweyer, Geoscientist, <i>TNO</i>
09.55	Predicting fluid-mineral interactions during geological carbon storage Mike Bickle, Professor of Geophysics, <i>University of Cambridge</i>
10.20	The evolution of caprock integrity during storage of industrially-produced CO2 Richard H. Worden, Professor of Geology, <i>University of Liverpool</i>
10.45	Tea and coffee
11.05	Management of CCS in the offshore: getting the best out of our storage space Michelle Bentham, Senior Geoscientist, <i>British Geological Survey</i>
11.30	Noble gas natural tracers quash fears of CO2 storage leak at Weyburn Stuart Gilfillan, SCCS Research Fellow, <i>University of Edinburgh</i>
11.55	Enhanced oil recovery, residual oil zones and geologic carbon storage in the U.S. Bruce Hill, Senior Geologist, <i>Clean Air Task Force, US</i>
12.20	Relative permeability data uncertainty and CO2 injectivity estimation for brine aquifers Simon Mathias, Reader in Computational Geoscience, <i>University of Durham</i>
12.45	Lunch
Session 2: Integrated industrial CCS projects	
13.45	Quest: Shell's Canada CCS project Stephen Bourne, Geophysicist, <i>Shell Global Solutions International</i>
14.10	The CO2 capture project phase 3 (CCP3) JIP: Technology development for CO2 storage assurance Dan Kieke, Senior Staff Research Scientist, <i>Chevron</i>
14.35	Offshore CO2 storage operations and monitoring at Sleipner and Snøhvit Aina Dahlø Janbu, Senior Researcher, CO2 Storage project, <i>Statoil</i>
15.00	Modelling of CO2 in the subsurface Eric MacKay, Foundation CMG Chair in Reactive Flow Simulation, Petroleum Engineering Institute, <i>Heriot-Watt University</i>

15.25	Tea and coffee / Registration for invited policy audience
16.00	Summary report of conference Stuart Haszeldine, Professor of Carbon Capture and Storage, <i>University of Edinburgh</i>
16.15	DECC CCS competition: outline and outcomes Stuart Haszeldine, Professor of Carbon Capture and Storage, <i>University of Edinburgh</i>
16.20	Case study: a DECC CCS competition participant Paul Garnham, <i>Shell UK, The Peterhead-Goldeneye CCS project</i>
16.40	Panel discussion Max Coleman, <i>NASA Jet Propulsion Laboratory, CalTech</i> Paul Garnham, <i>Shell</i> Chris Littlecott, <i>Scottish Carbon Capture and Storage</i>
17.30	Close of conference
17.45	Drinks reception

**Subject to final confirmation*