

THE INAUGURAL EUROPEAN CARBON CAPTURE & STORAGE SUMMIT

Kingsway Hall Hotel, London WC2

Across the world, governments are increasingly recognising the potential of Carbon Capture & Storage as a mechanism for reducing CO₂ emissions. In Europe, the Commission is due to publish its proposals for an enabling legal framework for CCS this autumn and is also encouraging the building of a number of demonstration plants. For its part, the UK Government is shortly due to launch a competition to provide support for full-scale CCS demonstration projects. The intention is to select one or more of the projects that are submitted by the end of 2008 and have them fully operational by 2014. In support of this, the UK Government has established a Regulatory Taskforce to consider how it should regulate CO₂ storage. Another taskforce set up by the UK and Norwegian Governments is working on the issues surrounding the transport and storage of CO₂ beneath the North Sea.

This timely summit brings together a speaker panel of exceptional quality to examine, in the round, the prospects for the development of CCS on a commercial scale. It includes sessions on the policy context, the economics of commercial scale CCS, the maturity of CCS technologies, developments in Europe, CCS in the developing world and establishing a regulatory framework for CCS.

Among the specific topics that will be covered are the following:

- The UK's plans for carbon capture and storage
- CCS's role in the EU's energy strategy
- Economics of exploiting CCS on an industrial scale
- How IOCs view CCS
- The IPCC perspective on technological progress
- Capture technologies - where are we?
- Review of transport technologies
- Comparison of storage technologies
- Creating an international framework for CCS
- Inclusion of CCS in the EU ETS
- The case for including CCS in the UN's CDM mechanism
- The US approach to utilising CCS
- Recent amendments to the OSPAR Convention to permit CCS
- Amending European law to facilitate CCS
- Regulation in the UK
- Agreeing common UK and Norwegian CO₂ transport and storage standards
- Decommissioning and long-term liabilities associated with storage facilities

Attendance at this conference will be invaluable for all those involved in the development of CCS in Europe, including generating and utility companies, technology suppliers, oil & gas companies, energy ministries, energy regulators, project financiers, lawyers, technical consultants and academics.

Plus hear practical case studies on:

- North Sea Carbon Capture & Storage Projects
- The In-Salah CCS Storage Experience
- CO₂ storage in highly depleted gas fields
- The EU/China near-Zero Emissions Coal (nZEC) project
- CCS projects in Australia

KEYNOTE ADDRESSES

Malcolm Wicks, Minister of State for Energy
United Kingdom

Lord Ronald Oxburgh, Past Chairman, Shell Transport and Trading and
President, The Carbon Capture & Storage Association

Mogens Peter Carl, Director General for the Environment,
European Commission

Jan Panek, Head of Unit, Coal & Oil, European Commission

PUBLIC SECTOR AND ACADEMIC SPEAKERS

Martin Downie, Professor of Technology & Marine Environment,
University of Newcastle

Joseph Giove, Senior Programme Manager, Office of Fossil Energy
US Department of Energy

Professor David Johnson, Executive Secretary,
OSPAR Commission

Bert Metz, Co-Chair of the Intergovernmental Panel on Climate Change

Working Group III on Mitigation to Climate Change

Bronwen Northmore, Director, Cleaner Fossil Fuels, Department for
Business Enterprise and Regulatory Reform (BERR)

Dr Nick Riley MBE, Head of Science Energy, British Geological Survey
and Coordinator of CO₂, Geonet

Matthew Webb, Senior Policy Advisor on Carbon Capture & Storage in
Developing Countries, DEFRA

PRIVATE SECTOR SPEAKERS

John Barry, Vice President for Unconventionals & Enhanced Oil
Recovery, Shell

John Best, Chief Executive, East of England Energy Group (EEEGR)

Dr Tony Booer, Schlumberger

Paul Bowden, Partner, Freshfields Bruckhaus Deringer

Keith Burnard, Manager, DTI Carbon Abatement Technologies
Programme, AEA Technology

Heleen Groenberg, Scientific Researcher, ECN

Phil Hare, Director, Pöyry Energy Consulting

Wolfgang Heidug, Chairman, Oil & Gas Producers CCS Taskforce

David Hughes, Technical Head of Carbon Storage, Senergy Ltd

Robin Irons, Technical Head, Zero Emission Powerplant, E.ON UK plc.

Pierre Le Thiez, CCS Project Manager, Castor Project, Institut Français
de Pétrole

Kai Bjarne Lima, Vice President CO₂, Statoil

Richard Metcalf, Partner, Norton Rose

Vipin Patel, Subsurface Manager, In-Salah Gas

Alastair Rennie, Project Director, Renewables, AMEC

Anna Soroko, Consultant, Watson, Farley & Williams

Lars Stromberg, Director, Vattenfall

Peter Whitton, Vice Chairman, Carbon Capture & Storage Association

Iain Wright, CO₂ Project Manager, BP

Paul Zakkour, Principal Consultant, ERM

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DAY ONE - WEDNESDAY 28 NOVEMBER 2007

08:30	Coffee and registration	11:30	The IPCC perspective on technological progress Bert Metz , Co-Chair of the Intergovernmental Panel on Climate Change Working Group III on Mitigation to Climate Change
08:55	Chairman's opening remarks Peter Whitton , Vice Chairman, Carbon Capture & Storage Association	11:55	Panel on capture technologies Keith Burnard , Manager, DTI Carbon Abatement Technologies Programme, AEA Technology Robin Irons , Technical Head, Zero Emission Power Plant, E.ON UK plc. Lars Stromberg , Director, Vattenfall
THE UK AND EUROPEAN POLICY CONTEXT			
09:00	Keynote address I The UK's plans for carbon capture and storage Malcolm Wicks , Minister of State for Energy, United Kingdom	12:30	Case study 1: North Sea Carbon Capture & Storage Projects Dr Nick Riley MBE , Head of Science Energy, British Geological Survey and Coordinator of CO ₂ , Geonet
09:20	Keynote address II CCS's role in the EU's energy strategy Jan Panek , Head of Unit, Coal & Oil, European Commission	12:50	Lunch
09:40	UK CCS Demonstration Project Bronwen Northmore , Director, Cleaner Fossil Fuels, Department for Business Enterprise and Regulatory Reform (BERR)	14:00	Panel on transport technologies John Best , Chief Executive, East of England Energy Group (EEEGR) Martin Downie , Professor of Technology and Marine Environment, University of Newcastle Alastair Rennie , Project Director, Renewables, AMEC
ECONOMICS OF COMMERCIAL SCALE CCS			
10:00	Overcoming the commercial challenges for CCS Phil Hare , Director, Pöyry Energy Consulting	14:40	Panel on storage technologies • Enhanced oil recovery • Deep saline aquifers • Deep unminable coal seams • Depleted gas field storage Wolfgang Heidug , Chairman, Oil & Gas Producers CCS Taskforce David Hughes , Technical Head of Carbon Storage, Senergy Ltd Pierre Le Thiez , CCS Project Manager, Castor Project, Institut Français de Pétrole
10:20	Moderated panel discussion on the economics of exploiting CCS on an industrial scale • Long-term price of carbon • Relative cost of fossil fuels • Transmission infrastructure costs • Inclusion in EU ETS • Incentives for commercial scale pilot projects • Position of CCS within the North Sea taxation regime Heleen Groenenberg , Scientific Researcher, ECN Bert Metz , Co-Chair of the Intergovernmental Panel on Climate Change Working Group III on Mitigation to Climate Change Lars Stromberg , Director, Vattenfall Paul Zakkour , Principal Consultant, ERM	15:20	Afternoon tea
10:50	Morning coffee	15:40	Case study 2: The In-Salah CCS Storage Experience in Algeria Vipin Patel , Subsurface Manager, In-Salah Gas Iain Wright , CO ₂ Project Manager, BP
MATURITY OF CCS TECHNOLOGIES			
11:10	How IOCs view CCS John Barry , Vice President for Unconventionals & Enhanced Oil Recovery, Shell	16:20	Case study 3: CO₂ Storage in Highly Depleted Gas Fields David Hughes , Technical Head of Carbon Storage, Senergy Ltd
		16:50	Close of day one

ABOUT THE ORGANISER



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DAY TWO - THURSDAY 29 NOVEMBER 2007

08:30 Coffee

12:20 Lunch

08:55 Chairman's opening remarks
Phil Hare, Director, Pöyry Energy Consulting

ESTABLISHING AN APPROPRIATE
 REGULATORY FRAMEWORK FOR CCS

INTERNATIONAL DEVELOPMENTS

09:00 Keynote address I
Creating an international framework for CCS
Lord Ronald Oxburgh, Past Chairman, Shell Transport and Trading and President, The Carbon Capture & Storage Association

13:50 CCS regulatory regime: the challenge
Paul Bowden, Partner,
 Freshfields Bruckhaus Deringer

09:30 Keynote address II
Inclusion of CCS in the EU ETS
Mogens Peter Carl, Director General for the Environment, European Commission.

14:20 Amending European law to facilitate CCS
Richard Metcalf, Partner, Norton Rose

14:50 Recent amendments to the OSPAR Convention to permit CCS

- UK CCS Regulatory Taskforce
- Licensing of CO₂ storage sites and activities
- Marine Bill White Paper
- Consultation on the regulation of the full chain of CCS technologies
- Consultation on the issue of capture readiness in future applications under the Electricity Act

Professor David Johnson, Executive Secretary, OSPAR

CCS IN THE DEVELOPING WORLD/CDM

10:00 The case for including CCS in the UN's CDM mechanism
Paul Zakkour, Principal Consultant, ERM

10:30 The US approach to utilising CCS
Joseph Giove, Senior Programme Manager, Office of Fossil Energy
 US Department of Energy

15:20 Afternoon tea

11:00 Morning coffee

15:40 Agreeing common UK and Norwegian CO₂ transport and storage standards
Kai Bjarne Lima, Vice President CO₂, Statoil

11:20 Case Study 1: The EU/China near-Zero Emissions Coal (nZEC) project
Matthew Webb, Senior Policy Advisor on Carbon Capture & Storage in Developing Countries, DEFRA

16:10 Decommissioning and long-term liabilities associated with storage facilities
Anna Soroko, Consultant, Watson, Farley & Williams

11:50 Case study 2: Australia
Dr Tony Booer, Schlumberger Oilfield

16:40 Chairman's concluding remarks and close of conference

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