



UCL

CARBON CAPTURE & STORAGE
Public Perception of Law

Friday 12 June 2009

The Royal Academy of Engineering.

A conference organised in association with King's Centre
for Risk Management, King's College London.

www.ucl.ac.uk/cclp

KING'S
College
LONDON

PROGRAMME

8.45 - 9.15 *Coffee and registration.*

9.15 - 9.30 Welcome address
Professor Richard Macrory CBE, University College London's Carbon Capture Legal Programme
and
Professor Ragnar Löfstedt, King's Centre for Risk Management, King's College London.

9.30 - 10.00 Background and Consenting for CCS Projects
Andrew Troup, RPS Group

10.00 - 11.15 Session 1: What lessons can be learned from other technologies and case studies in moving forward with CCS?

Over the past 40 years, there have been a number of examples of how regulators and industrialists have misjudged their risk communication strategies. How relevant to CCS deployment, for example, are: the difficulties faced by Shell during the decommissioning of the North Sea oil storage buoy, Brent Spar; or the barriers faced by Monsanto in placing Genetically Modified Foods (GMOs) on the European market; and the siting and construction of Nuclear power stations on both sides of the Atlantic?

In this session we consider what lessons can be learned from these, and other examples, in the development of CCS technologies – in Europe and beyond.

Chair: **Professor Malcolm Grant CBE, UCL President and Provost**

Professor Robin Grove-White, Lancaster University

Donald McRae, former Risk and Regulation Advisory Council (RRAC)

Professor Ortwin Renn, Universität Stuttgart

Nicholas Schoon, ENDS Report

Rosemary Whitbread, Health and Safety Executive

11.15 - 11.30 *Tea and coffee break.*

11.30 - 13.00 Session 2: CCS Policy – Europe and beyond

This session aims to provide an overview and analysis of CCS law and policy developments across a number of international, regional and national jurisdictions. In addition to new legal frameworks (discussed in more detail in the final session), the CCS community is increasingly concerned with the financing of demonstration projects and deployment, the interplay between developed and developing country involvement and responsibilities, together of course with the place of CCS within the energy security and climate change debates.

Of particular interest here will be whether there are any discernable trends in the implementation of CCS throughout the world, and the extent to which such trends might provide cross-cultural lesson-learning.

Chair: **Lord Ronald Oxburgh, President of the Carbon Capture & Storage Association**
Tim Dixon, IEA GHG R&D Programme
Sarah Forbes, World Resources Institute
Sallie Greenberg, Illinois State Geological Survey
Professor Sir Brian Hoskins, Director, Grantham Institute for Climate Change at Imperial College London and Royal Society Research Professor, University of Reading

13.00 - 14.00 *Lunch.*

14.00 - 15.30 Session 3: CCS and the role of risk communication

CCS is a new technology, yet to be undertaken as a 'full chain' or actually proven at the commercial scale. As such, the presentation of scientific uncertainties pertaining to the technology's viability have the potential to shape public views in a myriad of unpredictable ways. Continuing discussions from in particular the first session, this session will draw upon the risk communication literature and consider its application to the risks associated with CCS.

To complement these theoretical considerations, the session will conclude with presentations on recent preliminary empirical research on public perceptions of CCS.

Chair: **Professor Ragnar Löfstedt, King's Centre for Risk Management, KCL**
Peta Ashworth, CSIRO
Dr Wandi Bruine de Bruin, Carnegie Mellon University
Professor Baruch Fischhoff, Carnegie Mellon University
Paal Frisvold, Bellona

15.30 - 15.45 *Afternoon Tea.*

15.45 - 17.15 Session 4: the role of law

Providing space for public participation within decision-making is relatively commonplace in environmental law, and while there is agreement as to the relevance of political and public views to risk assessment activities generally conceived, challenges still remain. Important recurring themes include the access to (and presentation of) information, transparency in decision-making and the 'relevance' of non-scientific opinion/political risk assessment.

Drawing upon the discussions in the previous sessions, together with detailed analysis of emerging CCS regulatory frameworks, this session will consider both the role of law, and its limitations, in ensuring responsible risk communication and public engagement with CCS. A related but important issue to address may be the different public reactions to CCS within the energy security and climate change debates as opposed to CCS at the local, siting level.

Chair: **Professor Catherine Redgwell,**
UCL's Carbon Capture Legal Programme

Brendan Beck,
International Energy Agency

Martina Doppelhammer,
European Commission, DG Environment

Robert McCracken QC,
Francis Taylor Building

17.15 - 17.30 The politics and policy of CCS

Tom Burke,
Rio Tinto and Visiting Professor, UCL

17.30 - 17.45 Concluding Remarks

Professor Ragnar Löfstedt,
King's Centre for Risk Management, KCL

Ian Havercroft,
UCL's Carbon Capture Legal Programme

17.45 Drinks reception.
