



## **CARBON DIOXIDE CAPTURE & STORAGE (CCS)**

### *Launch of the International CCS Regulators' Network*

13-14 May, 2008

Location: International Energy Agency Secretariat, Paris, France

#### **Background**

As a result of government and industry initiatives, CCS regulations are under development in a number of countries. To help inform the development of legal and regulatory frameworks for CCS, the International Energy Agency (IEA) and the IEA GHG Implementing Agreement are working with the Carbon Sequestration Leadership Forum (CSLF) and University College London (UCL) to create a Network of CCS Regulators. The Network will meet regularly to provide updates and exchange views on specific legal issues associated with the expansion of CCS worldwide. This meeting is the Launch of the CCS Regulators Network—the first meeting to date.

#### **Who Should Attend**

The target audience for the Network are CCS regulators and policy makers at the local, state/provincial, national and international levels. In particular, the IEA seeks government regulators and policy makers with specific responsibility for:

- environmental impact assessment / groundwater monitoring
- pipeline siting and approval
- managing property rights
- monitoring and verification of greenhouse gas emissions, and
- other relevant areas of expertise.

Industry, non-government and other stakeholders are also welcome to participate in this meeting. However, space is limited at this event; attendance is not guaranteed.

To register, visit [www.iea.org/Textbase/subjectqueries/cdcs.asp](http://www.iea.org/Textbase/subjectqueries/cdcs.asp)

## About the Organisers

The G8 heads of government have recognised the critical role of CCS in tackling global climate change, and have tasked the **International Energy Agency** with a number of CCS-related tasks, including:



- Working with the Carbon Sequestration Leadership Forum (CSLF) to hold a series of workshops to develop recommendations for the G8 leaders' July 2008 summit in Hokkaido, Japan;
- Providing information exchange to facilitate the development of legal and regulatory frameworks to govern CCS; and
- Developing scenarios and roadmaps for CCS deployment.

In addition to the IEA's work on CCS out of the Secretariat, several other IEA entities are actively involved in various aspects of carbon dioxide capture and storage, including:

- IEA Implementing Agreements, in particular, the **IEA Greenhouse Gas R&D Programme** has worked since 1991 on evaluation of technologies, promotion and dissemination of results and data from its evaluation studies and facilitating practical research, development and demonstration activities;
- the **IEA Clean Coal Centre** works on CCS and financing;
- the **IEA's Working Party on Fossil Fuels (WPF)** pursues the Zero Emissions Technologies for Fossil Fuels Initiative the WPF's Subcommittee on Legal Issues prepared this study and organised the 2<sup>nd</sup> Legal Aspects of CO<sub>2</sub> Storage Workshop; and
- the **IEA Coal Industry Advisory Board** and its Zero Emissions Technologies Working Group.



The **Carbon Sequestration Leadership Forum** complements this work. CSLF is an international initiative under the auspices of the government of the United States bringing together 21 countries and the European Commission. The purpose of the CSLF is to facilitate the development of improved cost-effective technologies for the separation and capture of carbon dioxide for its transport and long-term safe storage; to make these technologies broadly available internationally; and to identify and address

wider issues relating to carbon capture and storage. This could include promoting the appropriate technical, political, and regulatory environments for the development of such technology. The activities of the CSLF are conducted by the Policy and Technical Groups. Among other actions, seventeen major collaborative CO<sub>2</sub> storage projects have been already proposed by CSLF Members and recognised by the CSLF.

**Centre for Law and the Environment, University College London**  
**Carbon Capture Legal Programme**



The Carbon Capture Legal Programme (CCLP) aims to provide an authoritative source of objective, up to date and comprehensive information on CCS; with a view to promoting informed discussion and analysis by decision-makers in government, industry and the wider community. It is hoped that the Programme will assist in identifying current legal areas, which may unduly or inadvertently constrain development of CCS, and in developing appropriate regulatory frameworks.

The main component of the CCLP is a dedicated and independent website, which details the legal and regulatory issues affecting CCS. The site aims to organise key materials and provide quality legal analysis, in an easily digestible and user-friendly format.

The Centre for Law and the Environment, which was established in 2001, is located within UCL's Faculty of Laws and has been officially graded the highest level in the United Kingdom (5\*A). The Centre has rapidly become one of the world's leading university centres of expertise in environmental law and has the distinctive capacity of tackling issues from international, regional, and national levels. In addition to the considerable body of personal academic research conducted by members, the Centre has developed a substantial programme of funded research, often at the cutting edge of the interface between law and scientific and technological development.



## Agenda

### Day One

- 9:00 - 9:30**    **Welcoming Remarks**  
**Nobuo Tanaka**, Executive Director, IEA  
Professor **Richard Macrory**, CBE, UCL
- 9:30 - 10:30**    **Background on CCS, Energy and Climate Change Challenges**  
Overview of IEA work on CCS: **Antonio Pfluger**, Head, Energy Technology Collaboration Division, IEA  
International Policy Developments and Lessons Learned: **Tim Dixon**, IEA GHG Implementing Agreement  
CCS Legal & Regulatory Developments: **Tom Kerr**, IEA
- 10:30 - 11:00**    **Coffee Break**
- 11:00 - 13:00**    **CCS Legal & Regulatory Developments: Global Updates - Panel I**  
Chair: **Paal Frisvold**, Bellona Foundation  
European Union CCS Regulatory Framework: **Piotr Tulej**, European Commission Directorate General - Environment  
USA Update: **Dina Kruger**, U.S. Environmental Protection Agency  
International marine environment protection treaties: **Tim Dixon**, IEA GHG
- 13:00 - 14:30**    **Lunch (sponsored by the IEA)**
- 14:30 - 16:30**    **CCS Legal & Regulatory Developments: Global Updates - Panel II**  
Chair: **Barbara McKee**, US Department of Energy and CSLF Chair  
Australia Update: **Martin Squire**, Department of Energy, Resources & Tourism  
Canada Update: **Larry Hegan**, Natural Resources Canada  
UK Update (with discussion of India, China): **Rachel Crisp**, Department for Business, Enterprise & Regulatory Reform  
Japan Update: **Daisuke Maeda**, Japan Ministry of the Environment  
Norway update: **Mette Gravdahl Agerup**, Norwegian Ministry of Petroleum & Energy
- 16:30 - 17:30**    **Discussion session**  
Wrap Up of the Day: **Tom Kerr & Ian Havercroft**, UCL  
The Role of CCS Regulators: Policy and Political Context: **Tom Burke**, **Rio Tinto**  
Open Discussion on the CCS Regulators' Network
- 17:30**            **Cocktail Reception at the IEA sponsored by University College London**



## Day Two

9:00 - 10:30

### Legal Issues: Panel I

Chair: **Ian Havercroft**, UCL

Monitoring and verification of CO<sub>2</sub> retention at storage sites: **Sam Holloway**, British Geological Service

Treatment of CCS in emissions trading schemes - methodological issues: **Bob Sussman**, Center for American Progress

CCS and GHG markets; **Daniel Lawrence**, Freshfields Bruckhaus Deringer

10:30 - 11:00

### Coffee Break

11:00 - 12:00

### Legal Issues: Panel II

Chair: **Branko Terzic**, Chair, UNECE Ad Hoc Group of Experts on Cleaner Electricity Production

Property rights /access issues: **Elizabeth Wilson**, University of Minnesota

US State Perspective on Property Rights Associated with CO<sub>2</sub> Sequestration: **Mark E. Fesmire**, New Mexico Oil Conservation Commission

12:00 - 13:30

### Lunch Break

13:30 - 14:30

### Legal Issues: Panel III

Chair: **Pieter Boot**, IEA

Pipeline Issues from a Safety Regulator's Perspective: **Rosemary Whitbread**, Health and Safety Executive, UK

Pipeline Access Issues: **Anna Beesley**, Department of Primary Industries, Victoria  
Long-term liability: options and models: **Mark de Figueredo**

14:30 - 15:30

### Wrap-up and Next Steps: Discussion about CCS Regulators Network: priorities, future activities and participation

Chairs: **Tom Kerr** & **Ian Havercroft**, UCL

IRGC CCS Regulatory Findings: **Chris Bunting**, International Risk Governance Council

### *For More Information, contact*

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