



**Carbon Capture & Storage Association**

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# CCSA Weekly Newsletter

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## Headlines

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- EI reveals climate change framework
- Report calls for CCS Commission in US
- Report backs Emissions Performance Standards
- Kyoto has accelerated development of clean technology

## Our website

For more information about the Carbon Capture & Storage Association, our members, news highlights, events, links and much more please visit our website.

[www.ccsassociation.org](http://www.ccsassociation.org)

## UK News

ETI announces first projects to benefit from £1.1 billion fund

## European News

- Europe to invest in 15 CCS laboratories
- Dutch government grants for CCS schemes
- New research partnership between BRGM and IFP
- Bio-ethanol plant to capture emissions
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- Call for European oil demand to be halved

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- Exploration of storage site in NSW
- Nick Otter to head GCCSI
- CCS framework becomes law in Illinois
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- EI reveals climate change framework

## Reports

- Report calls for CCS Commission in US
- Long-term performance of CO<sub>2</sub> storage investigated
- Report backs Emissions Performance Standards
- Kyoto has accelerated development of clean technology

## UK News

### Announcements

#### ETI announces first projects to benefit from £1.1 billion fund

The Energy Technologies Institute, a partnership between UK Government and global industries, has announced its first four projects as part of a potential £1.1 billion fund. The four projects are in the areas of wind and tidal technology. CCS is an area that the ETI will be addressing in future. View the [full story](#).

## EU News

### Projects

#### Europe to invest in 15 CCS laboratories

13 January 09 - The European Strategy Forum on Research Infrastructures has decided that Europe will invest €81 million in 15 joint European laboratories to study CO<sub>2</sub> capture and storage. NTNU and SINTEF will coordinate the building of five of the laboratories in Norway. View the [full story](#).

#### Dutch government grants for CCS schemes

9 January 09 - The Dutch government has granted €30 million to Shell and a consortium led by GDF-Suez for CCS development schemes. The Shell scheme proposes to capture CO<sub>2</sub> from the Pernis oil refinery in Rotterdam and store it in depleted gas fields. The GDF-Suez consortium scheme plans to capture CO<sub>2</sub> from an ammonia plant and store it in a depleted coal mine in the Limberg region. View the [full story](#).

#### New research partnership between BRGM and IFP

7 January 09 - BRGM and IFP have agreed to form a research partnership to study geological storage of CO<sub>2</sub>. View the [full story](#).

#### Bio-ethanol plant to capture emissions

January 09 - Europe's first bio-ethanol plant with CO<sub>2</sub> capture is being built in Hardenberg. View the [full story](#).

### Announcements

#### RWE to Buy Essent for \$12.4 Billion

12 January 09 - RWE is set to acquire Essent for \$12.4 billion. Juergen Grossmann, CEO of RWE, said in statement "We are

joining forces in the renewables sector, focusing on wind and biomass, and in our efforts to develop the carbon capture and storage technology for a climate friendly and affordable future energy supply." View the [full story](#).

### Policy

#### Call for European oil demand to be halved

9 January 09 - The European Economic and Social Committee (EESC) has called for dramatic reductions in European oil demand in an opinion requested by the Industry, Research and Energy Committee of the European Parliament. It also calls for coal and oil-fired power stations to be fitted with CCS as soon as possible and said that in order to see such measures being implemented there needs to be strong fiscal and regulatory measures, major public and private investment programmes, and strong political, business and civil society leadership. View the [full story](#).

## International News

### Projects

#### Praxair seeks clean coal grant

11 January 09 - Praxair Inc. is today expected to apply for a grant under the US Department of Energy's Clean Coal Power Initiative. The application could lead to a CCS project at Holland's James De Young power plant. View the [full story](#).

#### Exploration of storage site in NSW

15 January 09 - Exploratory drilling began this week in New South Wales, Australia, to determine if a storage site close to Delta Electricity's Munmorah coal-fired power station will be suitable for CO<sub>2</sub> storage. A trial project for capturing CO<sub>2</sub> at the power station was launched last July, using CSIRO technology. Initial levels of storage will be small, but it is hoped that by 2013 100,000 tonnes of CO<sub>2</sub> will be captured per year. Other sites have been identified if this one is not suitable. The Government will consider contributing to a pipeline network if storage sites cannot be found near existing power stations. View the [full story](#).

### Announcements

#### Nick Otter to head GCCSI

9 January 09 - Congratulations to Nick Otter, of CCSA member Alstom, who has been appointed as head of the Global Carbon Capture and Storage Institute (GCCSI).

## Policy

**CCS framework becomes law in Illinois**

12 January 09 - The Clean Coal Portfolio Standard Act has been signed into law in the State of Illinois. The act creates a framework for developing coal gasification projects with CCS and requires emissions (including carbon dioxide, particulates, sulphur dioxide etc.) from such facilities to be as low as natural gas facilities. It gives a definition of 'clean coal', requiring that 50% of CO<sub>2</sub> emissions are captured. This level rises to 70% for plants entering operation after 2015 and 90% for after 2017. Tenaska's proposed coal gasification project with CCS (known as the Taylorville Energy Center) has received a final air permit from the Illinois Environmental Protection Agency, allowing it to become the 'initial clean coal facility' under this new legislation. View the full stories on [the bill](#) and [Tenaska's project](#).

**Texas considers tax breaks for CCS**

12 January 09 - A bill to be considered this session in Texas will consider giving tax breaks of up to \$100 million to companies that build IGCC plants that capture and store at least 60% of their CO<sub>2</sub> emissions. View the [full story](#).

**EI reveals climate change framework**

14 January 09 - The Board of Directors of the Edison Electric Institute, which represents approximately 70% of the US electric power industry, has adopted an updated climate change framework calling for an 80% reduction in CO<sub>2</sub> emissions by 2050 (from current levels). The framework aims to present a common industry position to Congress for the allocation of emissions allowances to be distributed under a potential cap-and-trade scheme. It calls for floor and ceiling prices for carbon under such a scheme. The EEI also suggests that targets in the medium-term should be synchronised with the development and deployment of CCS and new nuclear and has said that it will support key concepts underlying the Boucher CCS bill. View the [full story](#).

**Reports****Report calls for CCS Commission in US**

12 January 09 - A report, from a team headed by Dr Morgan of Carnegie Mellon University, has advised the Obama administration to create a Federal Carbon Sequestration Commission to regulate CCS activities. The report also found that the risks associated with storing CO<sub>2</sub> are modest and can be readily managed. View the [full story](#).

**Long-term performance of CO<sub>2</sub> storage investigated**

8 January 09 - A paper from the University of Edinburgh entitled 'Long-term performance of a mudrock seal in natural CO<sub>2</sub> storage' has been published in the journal GEOLOGY. The paper shows that natural rock units perform very well as seals to prevent upward leakage of injected CO<sub>2</sub>. View the [full story](#).

**Report backs Emissions Performance Standards**

13 January 09 - Ecofys has released a report (commissioned by WWF, Bellona Europa, ClientEarth, E&G and the Green Alliance) which assesses the additional impact that the introduction of emissions performance standards (EPS) could have on emissions reductions. The report concludes that EPSs have the potential for significantly lowering emissions from the European power sector. The NGOs believe that the EU ETS and other current measures are not strict enough to reach Europe's emissions targets. They specifically attack the concept of 'capture-ready' and say that EPSs will ensure that coal-fired power plants are built with CCS. View the [report](#) and the [full story](#).

**Kyoto has accelerated development of clean technology**

15 January 09 - A study into technology innovations related to climate change over 25 years has found that the Kyoto Protocol has succeeded in accelerating their development since the late 1990s. The report covered a wide range of technologies including renewables, methane destruction, climate friendly cement, energy efficiency and conservation measures and CCS. It did, however, also find that there has been little evidence of transfer of these technologies to developing countries. View the [full story](#).

## Upcoming events

### Petroleum Economist Forum on Carbon Capture & Storage



10 - 11 February 2009, London, UK

AS A MEMBER OF CCSA YOU CAN SAVE £245.

Join the Petroleum Economist Forum on Carbon Capture & Storage and explore the complex challenges behind the realities of implementing CCS technologies:

- Is CCS the key to large scale de-carbonisation?
- What policies are needed to drive progress?
- Testing, testing, testing - justifying the demonstration projects
- Developing commercial opportunities for CCS
- The PR challenge - How can CCS win over public opinion?

For more information:

Visit: [www.petroleum-economist.com/ccs](http://www.petroleum-economist.com/ccs)

Call: +44 (0) 20 7779 8840

Email: [events@petroleum-economist.com](mailto:events@petroleum-economist.com)

### Platts 3rd Annual European Carbon Capture and Storage conference



26-27 February 2009, Brussels, Belgium

€300 EXCLUSIVE DISCOUNT FOR CCSA MEMBERS

Quote 'CCSA'

Platts 3rd Annual European Carbon Capture & Storage conference will once again unite the CCS community in tackling the current structural challenges, review CCS projects in their various stages and look to uncover opportunities in what will be a changed regulatory environment to ensure CCS lives up to its potential.

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Visit: [www.platts.com/Events/2009/pc965/](http://www.platts.com/Events/2009/pc965/)

### CDMC 5th Clean Energy Forum - Coal Gasification 2009



1-3 April 2009, Tianjin, China

CCSA MEMBERS SAVE \$200

Quote 'CCSA'

CDMC 5th Clean Energy Forum-Coal Gasification 2009 aims to trigger global efforts in facilitating clean coal reliability, commercial viability and economics and engender customer confidence. The world industry pioneers and practitioners will bring you the latest developments and performances of coal gasification, UCG, IGCC and CCS. Also you will reach the first hand information of clean coal related business opportunities all over the world, particularly in China, India, Indonesia, South Korea and Central Asia etc.

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### Building Conferences: Delivering Energy Infrastructure



24 February 2009, London, UK

For more information view the brochure on the CCSA website.

[ccsassociation.org/useful\\_info/associated\\_events.html](http://ccsassociation.org/useful_info/associated_events.html)

### External events

2009 SPE International Conference on CO2 Capture, Storage and Utilisation

2-4 November 2009, San Diego USA

[www.spe.org/events/co2/](http://www.spe.org/events/co2/)

IFP 3<sup>rd</sup> International Symposium: "Capture and geological storage of CO2 - Accelerating Deployment"

5-6 November 2009, Paris

[www.ifp.com/actualites/evenements/congres-et-conferences/organises-par-l-ifp/colloque-co2-2009](http://www.ifp.com/actualites/evenements/congres-et-conferences/organises-par-l-ifp/colloque-co2-2009)

## CCSA News

### New members - Arup and Ingen

The Association is pleased to announce that Arup and Ingen are now members, bringing the total number of member companies to 67.

View the [Arup website](#).

View the [Ingen website](#).

### CCSA becomes founding member of GCCSI

The CCSA has become a Founding Member of the Global Carbon Capture and Storage Institute. The Association has signed a Memorandum of Understanding with the Australian Government, saying that it will support the GCCSI in fostering a global portfolio of CCS demonstration projects.

### Jeff Chapman to speak at World Future Energy Summit

Jeff Chapman, Chief Executive of the CCSA, will be speaking at the World Future Energy Summit this week in Abu Dhabi.

For more information on the summit please view the [website](#).

## Contact Us

The Carbon Capture & Storage Association (CCSA) exists to represent the interests of its members in the business of capture and geological storage of carbon dioxide (known as Carbon Capture and Storage, or CCS) as a means of abating atmospheric emissions of carbon dioxide and potentially, as a means of enhancing the production of fossil hydrocarbons. From its base in London the CCSA brings together specialist companies in manufacturing & processing, power generation, engineering & contracting, oil, gas & minerals as well as a wide range of support services to the energy sector such as law, banking, consultancy and project management.

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To be considered by the Board for Membership please contact:

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