



**Carbon Capture &  
Storage Association**

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## 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.

### The Carbon Capture and Storage Association

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## UK News

### Market Sounding for CCS Demonstration Programme Projects 2-4

8 July 2010 - DECC has announced the start of a market sounding process for the UK's CCS Demonstration Programme. This is not a formal consultation, but is intended to help the Department to explore workable options for the CCS demonstration project selection and funding processes, and learn about projects being considered by industry. The Market Sounding Information for Industry document contains information for interested parties to inform their feedback in the market sounding process. View the [market sounding website](#).

### DECC says new CCS competitions to be launched this year

9 July 2010 - DECC said late Thursday it will launch the selection process for three new carbon capture and storage demonstration projects "before the end of this calendar year," as part of the UK's goal to have four CCS demonstration plants up and running by 2025. "On balance we have concluded that a single call for the three projects has advantages that outweigh the learning that may be gained from a phased approach involving sequential calls," the DECC said. View the full [news story](#).

### EEF publishes Energy Action Plan and urges government to follow

11 July 2010 - EEF, the manufacturers' organisation has called on the government to show the strong leadership necessary to get energy policy back on track. EEF's Energy Action Plan includes CCS as a key area. However, the UK has fallen behind in the development of this potentially breakthrough technology. To get back on track, we must complete the existing competition by the end of this year and complete the second demonstration programme within 2 years. View the [press release](#).

### Imperial College gets CCS plant

12 July 2010 - A new carbon capture plant is being built at Imperial College as part of an £8.9m (\$13.3m) refurbishment project. The new plant will use monoethanolamine scrubbing to capture the carbon; the carbon could then be stored in old underground oil and gas reservoirs. When open in 2011 the £1m plant will become one of only two operational carbon capture plants in the UK. Chemical engineering and chemistry undergraduates will get the opportunity to learn how to operate the plant, starting from the 2011/2012 academic year, and visitors will be able to see how the plant works through glassed-off areas of the control room and plant. View the full [news story](#).

### DECC - Consultation on draft national policy statements for energy

15 July 2010 - The Government's draft National Policy Statements for energy infrastructure will be strengthened, it was announced today. Charles Hendry, Minister of State for Energy said: "For large energy projects we need to give industry maximum certainty, so that if sound proposals come forward, they will not fall victim to unnecessary hold-ups. We have decided to take a further look at the Appraisal of Sustainability of our draft Energy Policy Statements to make sure that they are fit for purpose. Taking this decision now is essential to safeguard our long-term goal of a sustainable and secure energy supply". View the [press release](#).

### New opportunity for fuel cells with natural gas

15 July 2010 - FC Energy plc, the world's leading developers of low-cost alkaline fuel cell technology, are pleased to support the project announced by B9 Coal, and its affiliate B9 Gas, to create a natural gas power station using revolutionary fuel cell technology. The project, which will incorporate up to 99% carbon capture, was announced in response to the Committee on Climate Change (CCC) call for the application of carbon capture and storage (CCS) to natural gas to be included in the Department of Energy and Climate Change (DECC) CCS demonstration competition. View the full [news story](#).

## International News

### New Technology Aims to Reduce U.S. Power Plant CO2 Emissions by Nearly Two Billion Tons Annually

8 July 2010 - The National Science Foundation (NSF) has recently awarded Catacel Corporation its fourth NSF grant in six years; Catacel's latest project seeks to validate CO2 capture/release technology that could reduce U.S. power plant emissions by approximately 1.7 billion tons per year in the electric power sector alone. The NSF Small Business Innovation Research (SBIR) Phase 1 grant [Structured Bed for CO2 Capture1] bestows Catacel nearly \$150,000 to demonstrate proof of concept for a structured bed reactor platform that would provide an effective technology to enable CO2 capture from power plants and other combustion sources. View the full [news story](#).

### Clean Energy Projects Kick Off U.S.-China Collaborative R&D Initiative

9 July 2010 - Three clean energy technology projects resulting from a 2009 agreement between the United States and China are kicking off a new collaborative research effort that will focus on managing carbon dioxide emissions and reducing the environmental impact of energy production. In the first, researchers will evaluate converting an enhanced-oil-recovery site at China's Jiangsu oilfield into a geologic storage site for carbon dioxide (CO2) emissions. View the [press release](#).

## DOE to Award Up to \$27M in Phase III Small Business Awards

10 July 2010 - The US Department of Energy (DOE) has issued a wide-ranging Funding Opportunity Announcement for up to a total of \$27 million in Phase III small business awards in the areas of energy efficiency and renewable energy, electricity delivery and energy reliability, fossil energy, and nuclear energy. The award ceiling amount is \$3 million; DOE anticipates making 30 awards. FE seeks to advance successful Phase I or Phase II SBIR projects from their current stage of technical development to commercial readiness in a number of areas, including post-combustion CO2 capture, compression, and beneficial uses, oxy-combustion technology and carbon sequestration, among other possible project areas. View the full [news story](#).

## S. Korea to invest 2.3 trillion won to build up carbon capture capability

12 July 2010 - South Korea plans to invest 2.3 trillion won (US\$1.9 billion) up till 2019 to build up its carbon capture technology and industrial infrastructure to reduce the country's greenhouse emission levels, the government said on Sunday. Of the total, the government will foot 52 percent or 1.2 trillion won with the rest coming from the private sector. View the full [news story](#).

## Enel To Start Major Plant Conversion To Coal 2011

13 July 2010 - Italy's largest utility Enel SpA aims to start converting a major oil-fueled power plant to use clean coal technology next year as part of its drive to cut carbon emissions, its CEO said on Monday. Enel says it would use a clean carbon technology at the Porto Tolle plant and work on developing carbon capture and storage facilities there to reduce its CO2 footprint. View the full [news story](#).

## Rockefeller and Voinovich introduce carbon capture and storage deployment act of 2010

14 July 2010 - U.S. Senators John D. Rockefeller IV (D-W.Va.) and George V. Voinovich (R-Ohio) unveiled the *Carbon Capture and Storage (CCS) Deployment Act of 2010*. This bipartisan legislation promotes research and creates incentives to develop and deploy full scale CCS technologies for a strong energy future. In March of this year, Senators Rockefeller and Voinovich released a discussion draft of the legislation. The bill introduced today represents the first ever comprehensive approach to realizing widespread deployment of CCS technologies. It builds on past efforts and proposals while creating new bridges to cover the gap between research and development (R&D) and commercial adoption. View the [press release](#).

## German CO2 storage bill arises from political ashes

14 July 2010 - Germany said on Wednesday it would resurrect a carbon dioxide storage bill killed before federal elections last year following strong public opposition in areas earmarked for storage facilities. The economy and environment ministries said the carbon capture and storage (CCS) law, planned for approval by the cabinet in September and parliament by the year-end, would pave the way for further developing technology aimed at cutting pollution from coal-burning power plants. View the full [news story](#).

## Aviva Corporation Moves Closer To Final Environmental Approval On Coolimba Power Project

14 July - Perth-based resources developer, Aviva Corporation Ltd has reported on the Environment Minister Donna Faragher's decision on (environmental approval) appeals over the Company's proposed new 400MW Coolimba Power Project in Western Australia's fast growing Mid West region. The Company reiterates its position that under current government policy it is not possible to progress Coolimba as an Independent Power Project, however the Minister's decision will make it more attractive for third parties interested in Coolimba as a captive energy supply for their own needs. "Coolimba already incorporated world-benchmark plans to phase in up to 2.9 million tonnes per annum of carbon capture and sequestration (CCS) as a separate project when feasible, so the Minister's decision is in effect, what we had already committed to for this project," Mr Reed said. "We have designed Coolimba to be a project of national and global significance and likely the first coal-fired generation project to successfully integrate CCS." View the full [news story](#).

## Upcoming events

### Global XTL & IGCC Congress 2010



**Global XTL & IGCC Congress 2010**

September 15-17th 2010 Beijing | China

Sept. 15-17 2010, Beijing China

Supported by: CCSA (Carbon Capture & Storage Association)  
TETA (Taiwan Emission Trading Association) CACS (Chinese-American Chemical Society)

In response to the increasing consideration on Low Carbon Economy, energy industry is seeking alternatives to be fully involved. As a leading country for both energy production and consumption, China is playing a more and more important role in the low carbon field. Estimated amount of natural gas reserves has continuously increased over the past ten years, moving from the 1997 estimation of 152.2Tcm to 187.76Tcm in 2009. It is thus quite logical to envisage using natural gas as a source of liquid transportation fuels, through natural gas conversion into liquid hydrocarbons (GTL)

With major projects in the fields of GTL, CTL, IGCC and CCS being implemented worldwide, Global XTL & IGCC Congress 2010 has been updated to incorporate the latest developments and will provide an in-depth overview of syngas production; F-T synthesis, process economics and the role of contractors in turning GTL concepts into viable projects.

#### Event Section Highlights

##### DAY 1

Global XTL Overview  
World Gas to Liquid

##### DAY 2

Coal to Liquid Tech & Significant Projects  
Clean Power Generation-IGCC & CCS

##### DAY 3

Tomorrow's Low-emission Power Generation

#### You will network with the Project Owners:

ShenHua Group	HuaNeng Group
YanKuang Group	DaTang International
GuoDian Group	Tongliao GEM Chemical
JinMei Group	China Power Investment Corporation
Oryx GTL	Shell GTL

For more updated information for this congress, please visit:  
[www.asiaxtltech.com](http://www.asiaxtltech.com)

About the organizer, please view at: [www.atunicorn.com](http://www.atunicorn.com)

As a member of CCSA, you may enjoy 10% off discount offered by the organizer. For more information, please contact Ms. Echo Sun via: [echo.sun@atunicorn.com](mailto:echo.sun@atunicorn.com) or +86 (21) 33600066

### ACI 4th annual CCS Summit

ACI presents the 4<sup>th</sup> annual

**Carbon Capture and Sequestration Summit**

September 29-30, 2010

Capitol Hilton, Washington DC

[www.CarbonCaptureSummit.com](http://www.CarbonCaptureSummit.com)

An executive-level forum for CCS stakeholders, focused on establishing a legislative, regulatory and economic framework to accelerate the commercialization of CCS. Gain invaluable first hand strategic insights from practitioners are the forefront of CCS activity.

As a member of CCSA you are entitled to a \$400 discount off the full price (pay \$1195 instead of \$1595) when using discount code CCSA.

### Carbon Capture and Storage: How is it working and what next?

**Institution of  
MECHANICAL  
ENGINEERS**

13-14 October 2010

Institution of Mechanical Engineers, London

Book now or view the full programme:  
[www.imeche.org/events/S1516](http://www.imeche.org/events/S1516)

\*\*\* CCSA members get to attend at the discounted IMechE Member Rate \*\*\*

Key figures from Government and industry will provide an update on policy, legislation and funding issues as well demonstrating that the real technical challenges of CCS are being addressed in pilot and operational projects around the world on day one.

A series of case studies will be presented from actual operational plants in the UK, Europe and USA covering the whole spectrum of processing alternatives through capture, transport and storage identifying the operational flexibility obtained and issues of equipment functionality on day two.

#### Day One:

Current Policy, Legislation and Regulation  
CCS Project Finance and Incentives  
Evening Drinks Reception and Buffet

#### Day Two:

Ongoing CCS Project Case Studies

#### Attending this event will help you:

- Obtain an update on current policy, legislation and funding issues
- Learn about real the challenges in CCS that remain to be solved from key industry experts
- Learn from a series of case studies on actual operational plants in the UK, Europe and USA that are in operation now

- Find out about operational flexibility and key issues of equipment functionality
- Network with key industry players during the day and the evening drinks reception

#### Technical Advantages:

- The breadth of project requirements and solutions described will help any organisation seriously look at what they should be doing
- All speakers will be open to questions in the plenary and networking sessions

#### Who should attend?

This event is an ideal opportunity for specialist designers, plant owners, operators, investors, financial advisers, insurers and policymakers to gain an understanding of the range of issues involved and solutions available in developing, owning and operating power/process plants with installed carbon capture and meeting government and European legislative requirements.

#### For further information contact:

Taz Khatun, Events Executive on Tel: 020 973 1306 or Email: [t\\_khatun@imeche.org](mailto:t_khatun@imeche.org)

## 2010 SPE International Conference on CO<sub>2</sub> Capture, Storage, and Utilization



10-12 November 2010

New Orleans, Louisiana

This conference gathers professionals in science, engineering, and policy to present and discuss the key issues surrounding the capture of carbon dioxide from anthropogenic sources and storage underground, and its beneficial use for enhanced recovery. It also addresses the legal and regulatory issues related to these activities. Everyone from Business Development Managers, Scientists, Researchers, CO<sub>2</sub> Project Managers, and Drilling Supervisors to Geologists, Petroleum/Reservoir Engineers, Professors, and Environmentalists will benefit from the exceptional technical program being presented at this conference. [Click here](#) to see why you must attend the SPE International Conference on CO<sub>2</sub> Capture, Storage, and Utilization.

For more information on this conference, please visit [www.spe.org/events/co2/2010](http://www.spe.org/events/co2/2010)

CCSA members are entitled to SPE Member pricing, a savings of USD 200. Please quote CCSA member when registering.

Register at:

[www.spe.org/events/co2/2010/pages/general/registration.php](http://www.spe.org/events/co2/2010/pages/general/registration.php)

Or email [registration@spe.org](mailto:registration@spe.org) and quote CCSA member.

Follow us on Twitter:

[www.twitter.com/HFreeman\\_SPE](http://www.twitter.com/HFreeman_SPE) #SPECO2

## The 2010 National CCS Conference



Park Hyatt Melbourne, Victoria, Australia | 28th - 30th November 2010

Australia's CCS leaders invite you to the inaugural National CCS Conference, a major opportunity to be informed, to debate and to connect with others involved in the multi-faceted field of carbon capture and storage.

The conference will go beyond the technical challenges, bringing together stakeholders from all areas of CCS development to tackle the barriers to deployment of this critical low emission technology.

The 2010 National CCS Conference will feature a program of high profile speakers in fields including economics and finance, stakeholder engagement, technology and engineering and the latest developments in policy, legislation and regulation.

The conference will provide updates on major Australian and international CCS projects and unparalleled opportunities to network with leaders in the global CCS arena.

The National CCS Conference is designed for:

- Energy industry leaders
- Banking and finance industry
- Federal, state and local government
- Community leaders
- Economists
- Technology providers
- Policy advisors
- Project developers
- International investors
- Stakeholder engagement advisors
- Engineers
- NGOs
- Researchers
- Students

The Conference is the central event of National CCS Week, a program of CCS-based events around Australia held from 28 November to 3 December 2010.

For more information about the conference, including pre-registration, sponsorship and exhibition opportunities, visit <http://www.NationalCCS.com.au>