



**Carbon Capture &
Storage Association**

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CCSA Weekly Newsletter

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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

Scottish and Southern Energy announce Carbon Capture and Storage Project

8 July 2010 - SSE (Scottish and Southern Energy plc) has decided to prepare a Carbon Capture and Storage (CCS) project at its gas-fired power station at Peterhead, Aberdeenshire. The project would demonstrate post-combustion capture of carbon dioxide emissions relating to the electricity output of the equivalent of 400MW of capacity. It would involve using an existing gas turbine, an existing steam turbine, an existing electricity network connection and land adjacent to the power station already owned by SSE. View the [press release](#).

Environment groups back SSE's carbon capture plans

8 July 2010 - Environmental groups have welcomed Scottish and Southern Energy's plans to demonstrate carbon capture and storage (CCS) at its Peterhead plant. WWF Scotland said today's announcement undermined Ayreshire Power's for a new £3 billion coal-fired plant in Hunterston. "Scotland now has an excellent opportunity to reduce emissions by demonstrating carbon capture on two existing power plants at Longannet and Peterhead," said Sam Gardner, Climate Change Policy Officer at WWFScotland. "There is no need to risk the huge increase in emissions that would result from the proposed new largely unabated coal plant at Hunterston. The Scottish Government should reject the Hunterston application at the earliest opportunity." View the full [news story](#).

International News

IEA sees the first early signs of an energy technology revolution underway

1 July 2010 - The IEA have released a new study, Energy Technology Perspectives (ETP) 2010 highlighting early indications of an energy revolution to tackle climate change and enhance energy security and economic development. Renewable generation, electric vehicles, energy efficiency and energy R&D have made particular progress. CCS is listed as one of the top priorities for the near future, with more than 35 coal-fired plants fitted with CCS needed on average every year to 2050. View the [press release](#).

China starts building first carbon capture project

2 July 2010 - China has started construction of its first carbon dioxide capture and storage project in Ordos in Inner Mongolia to reduce carbon emissions. The project will cost 210 million

yuan (\$30.9 million) and will be able to hold 100,000 metric tons of carbon dioxide a year, China National Petroleum Corp, the country's biggest oil producer and the plant's designer, said in a statement on its website today. The facility will start operations by the end of the year, it said. View the full [news story](#).

Maersk Tankers, HHI & DNV joint CO2 ship design

5 July 2010 - Maersk Tankers, Hyundai Heavy Industries (HHI) and Det Norske Veritas (DNV) have agreed to collaborate on the design and risk assessment of tankers for shipping CO2. "Shipping CO2 in tanker vessels is a cost effective and flexible way to get CO2 from power plants to offshore storage sites, which makes it a suitable solution for large CO2 emission sources such as coal-fired power plants, especially in the emerging phase of CCS," says Anders Schulze, Head of CO2 Shipping in Maersk Tankers. View the [press release](#).

Dutch government announces preferred CO2 storage locations in the north of the Netherlands

6 July 2010 - At the proposal of the Lower House of the Dutch Parliament, the possibilities have been investigated for realising a large-scale CO2 carbon capture and storage (CCS) project in the North of the Netherlands at an accelerated rate. As of 2015, CCS could be possible in the North of the Netherlands and in theory the gas fields Boerakker (Groningen), Eleveld (Drenthe) and Sebaldeburen (Groningen) would be the first to be considered for CCS. View the full [news story](#).

DOE-Funded Research Projects to Convert Captured CO2 Emissions to Useful Products

6 July 2010 - Research to help find ways of converting CO2 captured from emissions of power plants and industrial facilities into useful products will be conducted by six projects announced today by the U.S. Department of Energy (DOE). The projects are located in North Carolina, New Jersey, Massachusetts, Rhode Island, Georgia, and Quebec, Canada (through collaboration with a company based in Lexington, Ky.) and have a total value of approximately \$5.9 million over 2-3 years, with \$4.4 million of DOE funding and \$1.5 million of non-Federal cost sharing. The work will be managed by the Office of Fossil Energy's National Energy Technology Laboratory. View the [press release](#).

New Method to Gauge America's CO2 Storage Potential

6 July 2010 - A new methodology to assess America's potential to store carbon dioxide (CO2) is available. The U.S. Geological Survey will commence a national assessment of CO2 storage

potential now that its assessment methodology is complete. This research can be used to plan for the long-term storage of CO2 to help lessen the impacts of climate change. View the [press release](#).

The Status of CCS Projects Interim Report 2010

6 July 2010 - The Global Carbon Capture and Storage Institute (GCCSI) has released the report providing an update on global status of large-scale integrated carbon capture and storage (CCS) projects which underpinned the recent report delivered to G8 leaders at their June 2010 Summit in Muskoka, Canada. The report analyses the status of 80 large-scale integrated projects, which are then compared against the G8 criteria endorsed in July 2009. View the [report](#).

\$10m project to store CO2 underground in China

7 July 2010 - CSIRO is partnering with China United Coalbed Methane Corporation Limited (CUCBM) on a A\$10 million joint demonstration project that will store 2000 tonnes of carbon dioxide (CO2) underground in the Shanxi Province and extract methane for use as an energy source. The project will focus on advancing enhanced coal bed methane (ECBM) recovery and providing a pathway to adoption for near zero emissions technology from coal-fired power. View the [press release](#).

US Department of Energy Announces \$67 Million Investment for Carbon Capture Development

7 July 2010 - The US Department of Energy announced today the selection of ten projects aimed at developing advanced technologies for capturing carbon dioxide (CO2) from coal combustion. The projects, valued at up to \$67 million over three years, focus on reducing the energy and efficiency penalties associated with applying currently available carbon capture and storage (CCS) technologies to existing and new power plants. The selections announced today will focus on improving efficiency and reducing the added costs to electricity at power plants with carbon capture systems to less than 30 percent for a new pulverized coal plant and 10 percent for a new advanced gasification plant. View the [press release](#).

Upcoming events

4th Annual Carbon Capture & Sequestration: The Business Summit

4th Annual Carbon Capture & Sequestration: The Business Summit

July 13-15, 2010

Almas Temple Club

Washington, DC

4th Annual Carbon Capture & Sequestration: The Business Summit

July 13-15, 2010 | Almas Temple Club | Washington, DC

Meet all the players you will need to get a commercial scale demonstration project off the ground:

- CCS Developers • EPCs • Pipeline Companies • EOR & Other Sequestration Providers • Financiers

- Status and update on major CCS commercialization projects—

Mountaineer Project and Texas Clean Energy Project

- Emitter perspectives on implementing carbon capture and storage—what capture technologies and storage strategies will they adopt?

- Prospects for federal and state incentives for project development

- Siting and financing CO2 pipelines and the agreements transporters are looking to make with emitters and CO2 providers

- Business case and cost of geologic storage and EOR sequestration

PLUS: Receive a special 10% discount through membership of the CCSA!!! Just register at www.infocastinc.com/carbon10 using discount code: 105410

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.asiaxltltech.com

About the organizer, please view at: 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 or +86 (21) 33600066

ACI 4th annual CCS Summit

ACI presents the 4th annual
Carbon Capture and Sequestration Summit

September 29-30, 2010

Capitol Hilton, Washington DC

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.

2010 SPE International Conference on CO₂ 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, CO₂ 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 CO₂ Capture, Storage, and Utilization.

For more information on this conference, please visit 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

Or email registration@spe.org and quote CCSA member.

Follow us on Twitter:
[#SPECO2](http://www.twitter.com/HFreeman_SPE)

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>