



Carbon Capture & Storage Association

Issue No. 25
Weeks 3 to 4 July 2009

CCSA Weekly Newsletter

Page 1	Page 2	Page 3	Page 4	Page 5	Page 6
Headlines	UK News European News International News	International News Reports	Reports CCSA News Contact Us	Upcoming Events	Upcoming Events

Headlines

Doosan Babcock launches OxyCoal demonstration

US DOE Regional Partnership announces CCS project

Australia and ADB agree \$21.5 million CCS fund

GE announces Australian IGCC plant

Agreement signed for UCG with CCS project

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

UK News

Doosan Babcock launches OxyCoal demonstration
Canada overtakes UK on CCS

European News

Proposal to monitor energy investment
E.ON submits bid for EU funding

International News

US DOE Regional Partnership announces CCS project
Agreement signed for UCG with CCS project
CCS trust fund act introduced
CCSReg project highlights need for regulation
Australia and ADB agree \$21.5 million CCS fund
GE announces Australian IGCC plant

Reports

Global Carbon Trading report
UK power sector needs £90bn of investment by 2015
Alberta CCS Development Council release report

UK News

Doosan Babcock launches OxyCoal demonstration

24 July 09 - Doosan Babcock has launched the world's largest OxyCoal Clean Combustion Test Facility. Joan Ruddock, Minister of State for the Department of Energy and Climate Change (DECC), opened the new facility at Renfrew, which will demonstrate Doosan Babcock's OxyCoal Clean Combustion system on a 40MW_{th} burner. The project is a collaboration between Doosan Babcock, DECC and Scottish and Southern Energy, as well as Air Products, Drax, DONG, EDF, E.ON, ScottishPower, Vattenfall and UK Coal. View the [press release](#).

Canada overtakes UK on CCS

24 July 09 - The UK has fallen behind Canada on deploying CCS, where the province of Alberta recently chose three projects to benefit from government funding. Jeff Chapman, chief executive of the CCSA, said: "The U.K. has gone from a leading position in CCS to gradually slipping well behind other countries in the world," and added that the timeline for the UK's CCS competition has "slipped enormously". Ed Miliband, Secretary of State for Energy and Climate Change, said in a response to a parliamentary question that the competition winner would be chosen next year and a spokesperson for his department said that the UK was still on schedule for a first demonstration project by 2014. View the [full story](#).

European News

Proposal to monitor energy investment

17 July 09 - The European Commission has presented a draft proposal to increase monitoring of energy infrastructure investments (including oil, gas and electricity projects as well as CO₂ infrastructure). Energy Commissioner Andris Piebalgs said: "The Commission is interested in monitoring whether investment projects will become a reality in time to meet future demand while satisfying our energy and climate targets." View the [full story](#).

E.ON submits bid for EU funding

20 July 09 - E.ON has submitted a bid for funding under the European Energy Programme for Recovery. The company hopes to secure support for its proposed CCS development at Kingsnorth, which is also an entry in the UK CCS Competition. View the [press release](#).

International News

US DOE Regional Partnership announces CCS project

20 July 09 - Southern Company and the Southeast Regional Carbon Sequestration Partnership (one of the US Department of Energy's Regional Carbon Sequestration Partnership programs) have announced a CCS project at an existing coal-fired power station in Alabama. Up to 150,000 tonnes of CO₂ per year will be captured from Alabama Power's Plant Barry, transported via a pipeline and stored in a deep saline aquifer in the Citronelle Oil Field. The project is expected to begin in 2011 and last for at least four years. View the [press release](#).

Agreement signed for UCG with CCS project

22 July 09 - Carbon Energy Limited and ZeroGen have signed an agreement to undertake Australia's first underground coal gasification (UCG) with CCS project. CO₂ will be captured from Carbon Energy's UCG plant and transported by ZeroGen for storage in the Northern Denison Trough in Queensland. Injection is expected to begin in around 18 months to coincide with the completion of Carbon Energy's 20 MW plant. View the [full story](#).

CCS trust fund act introduced

22 July 09 - US Senators Bob Casey and Mike Enzi have introduced the *Carbon Storage Stewardship Trust Fund Act of 2009*. The act aims to encourage commercial deployment of CCS through the creation of a liability trust fund, allowing the financial risks of long-term storage to be shared between the private sector and the Federal Government. View the [press release](#).

CCSReg project highlights need for regulation

23 July 09 - The CCSReg project, lead by the Carnegie Mellon University, has released four policy briefs on regulating CCS. The policy briefs describe legislative changes to overcome barriers to CCS and find that without new federal regulations, in particular to unify regulations across different states, CCS will not meet its full potential in the US. View the [press release](#).

Australia and ADB agree \$21.5 million CCS fund

27 July 09 - The Asian Development Bank and the Government of Australia (through the GCCSI) have signed a trust fund agreement to support CCS in Asia. Australia will supply a \$21.5 million grant to the fund. The money will be used to support investigation of CO storage sites, capacity building and community awareness programs. View the [press release](#).

GE announces Australian IGCC plant

27 July 09 - GE Energy has announced an IGCC plant with CCS to be built in Queensland, Australia. The proposed 400MW Wandoan project would be capable of capturing 90% of its CO₂ and could be operating by late 2015 or early 2016. Stanwell and Xstrata Coal will work with GE to develop the project. View the [press release](#).

Reports

Global Carbon Trading report

20 July 09 - A report commissioned by Prime Minister Gordon Brown, entitled 'Global Carbon Trading - A framework for reducing emissions', has been published. The report recommends that the CCS should count towards national inventories and targets, and that it should be included in developed country ETSs. It also notes that CCS will require a range of policy tools, including government grants. View the [report](#).

UK power sector needs £90bn of investment by 2015

21 July 09 - A report by Ernst & Young, and commissioned by Centrica, has concluded that around £90 billion of investment is required in the UK power sector by 2015 if the country's emissions reductions targets for 2020 are to be reached. View the [full story](#).

Alberta CCS Development Council releases report

24 July 09 - The Alberta Carbon Capture and Storage Development Council has released a report on accelerating CCS implementation in the province. The report notes the important momentum that the first wave of demonstration projects announced by the Government of Alberta will create. It estimates that annual investment of \$1 to \$3 billion from the governments of Alberta and Canada will be required to promote further CCS projects beyond these demonstrations. View the [report](#).

CCSA News

CCSA welcomes new member

The Association is pleased to welcome [CMS Cameron McKenna](#) as a new member. For a full list of our members, please visit our [website](#).

CCSA in the news

Jeff Chapman, chief executive of the CCSA, has featured in the following articles in the last fortnight:

- **Reuters:** UK pins climate race hope on carbon capture pilot
- **Guardian:** Not under our backyard, say Germans, in blow to CO₂ plans
- **Bloomberg:** U.K. Falls Behind Canada in Carbon Capture, Industry Group Says

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

Suites 142-145, 4th Floor
Grosvenor Gardens House
35-37 Grosvenor Gardens
London
SW1W 0BS
Tel: +44 (0) 20 7821 0528
Fax: +44 (0) 20 7828 0310
info@ccsassociation.org

For more information about the CCSA please visit our website: www.ccsassociation.org

To be considered by the Board for Membership please contact:

Pamela Rudolph
pamela.rudolph@ccsassociation.org

Upcoming events

COAL-GEN Europe conference and exhibition

Conference & Exhibition
1-4 September 2009

Expo Silesia, Katowice, Poland



**COAL-GEN
EUROPE**

1st - 4th September 2009, Expo Silesia, Katowice, Poland

Turning Black Technology Green

With the current boom in demand for coal, providing Europe with reliable and affordable power, great investment is being made in its production.

Carbon dioxide management from coal is becoming increasingly important. Carbon capture and storage (CCS) and clean coal technology developments are critical to help reduce CO2 emissions significantly while also allowing coal to meet the world's pressing energy needs.

COAL-GEN Europe is the premier pan-European conference and exhibition dedicated to the resurging coal-based power generation industry and the revolutionary technology that will help Europe meet its environmental challenges.

Conference Keynote Speakers:

- Jacek Piekacz, Chairman, The Polish Clean Coal Technologies Platform
- Dr. Thorsten Diercks, Secretary General, European Association for Coal & Lignite (Euracoal)
- A representative of Poland's Ministry of Economy, Energy Department
- A representative of the Polish Chamber of Mining & Commerce

CCSA members are entitled to a 20% discount

For full information or to register, please visit www.coal-gen-europe.com or email attendingcge@pennwell.com. Alternatively please contact Neil Walker on +44 (0) 1992 656 600

Offshore Europe Oil and Gas Conference and Exhibition



**8th-11th Sept 2009
AEEC Aberdeen**

8 - 11 September 2009, Aberdeen, UK

The SPE Offshore Europe Conference & Exhibition attracts a global audience of engineers, technical specialists, industry leaders and experts, to share ideas, debate the issues of the moment and to create common agendas for the future of the upstream industry. SPE Offshore Europe is where the E&P community meets to find the solutions required to keep up with an accelerating technology race, and understand the demands of a changing industry committed to ensuring security of supply in an increasingly complex world.

For more information please visit www.offshore-europe.co.uk

The 3rd annual ACI Carbon Capture and Sequestration Summit



14 - 15 September 2009, Washington, United States

The 3rd annual ACI Carbon Capture and Sequestration Summit provides a senior-level forum in which the unexplored nature of the interface between power generators and the oil industry, and their disparate CCS business models and approaches to risk will be addressed. The goal of the event is to encourage those focused on capture, and those focused on storage, to come together and develop a greater understanding of current and future needs, and an integrated approach for commercializing CCS.

Key topic areas to be explored include:

- The changing market conditions for CCS technologies
- The current and evolving Federal and State legislative/regulatory environment
 - The impact of expected national cap and trade legislation
 - Regulatory structure for carbon storage
 - Regulatory framework for Enhanced Oil Recovery (EOR) as a driver for commercial CCS projects
- Funding, project economics and business models
- Accelerating pipeline infrastructure development
- Risk assessment, monitoring and long term liability for storage
- Using CCS to realize the economic benefits of Enhanced Oil Recovery (CO2-EOR)
- Public acceptance for CCS

CCSA members are entitled to a \$200 discount - quote 'TBD'

For more information, please visit:
www.americanconference.com/CCS

The Carbon Show

The Carbon Show

The exhibition for trading, reducing and managing carbon.

ExCeL London, 29-30 September 2009



The Carbon Show is the international exhibition for trading, reducing and managing carbon. Launching on 29 and 30 September at ExCeL, London, The Carbon Show offers the opportunity to network, meet new potential clients and contacts and discuss the new climate deal with industry leaders. For further details and to pre-register for free entry to the exhibition, please visit <http://www.thecarbonshow.com>

South African Carbon Capture & Storage Conference



South African

carbon capture & storage conference

29-30 September 2009, Sandton Sun, Johannesburg, South Africa

South Africa is a developing country with a coal based energy economy and has committed internationally to stabilising emissions by 2025. CCS provides one option to stabilise greenhouse gas emissions and the South African government has declared CCS a national research priority.

The conference is designed as an entry level introduction to CCS. It is therefore aimed at executives, geologists, engineers, scientists, policy and regulation developers, researchers, students, NGO's, analysts, risk managers and all interested and affected stakeholders.

The conference aims to develop a basic understanding of the various technical, economic, policy and regulatory aspects of CCS. In addition, the results and experiences of a number of existing CCS facilities will be presented.

The conference will include presentations by world renowned experts in the field of CCS, including:

- Stefan Bachu (Alberta Research Council)
- John Gale (IEA GHG R&D Programme)
- John Bradshaw (Greenhouse Gas Storage Solutions)
- Nick Otter (Global CCS Institute) representation from CO2CRC, Schlumberger, UK Department of Energy and Climate Change and the TNO

The conference will be followed by a number of workshops and short training courses and will include the gala launch of the newly formed South African Centre for Carbon Capture and Storage.

For more information or to register, please visit

www.ccsconference.co.za

or email ccsconference@africanearthevents.co.za

Brussels Carbon Capture and Storage Summit 2009: Getting it right for Copenhagen



Event title: Brussels Carbon Capture and Storage Summit 2009: Getting it right for Copenhagen

Date: 6th October 2009

Venue: Sofitel Europe Brussels Hotel, European District, Brussels

Contact person: James Wilmott / james.wilmott@forum-europe.com / +44 (0) 2920 783 028

Event website: <http://www.ccsconference.eu>

The major meeting point prior to Copenhagen for stakeholders involved in CCS is organised by Forum Europe and Bellona Europa. Limited places are available.

CONFIRMED SPEAKERS INCLUDE:

- Andris Piebalgs, Commissioner for Energy, European Commission
- Chris Davies, Member, European Parliament
- Frederic Hauge, President, Bellona Foundation
- Piotr Tulej, Head of Unit, DG Environment, European Commission
- Lena Sandberg-Morch, Senior Officer, State Aid and Competition Department, EFTA
- Lars Stromberg, Vice President R&D, Vattenfall
- Ruth Hampton, Head of International CCS, Department of Energy and Climate Change (DECC)
- Stefano Puppini, Unit K2 - Energy Conversion and Distribution Systems, DG Research, European Commission
- Luc de Marliave, Climate Change Coordinator, Total
- Claude Roulet, Senior Advisor, Schlumberger
- Sanjeev Kumar, ETS Coordinator, WWF
- Petre Petrov, Research Programme Officer, European Commission
- Alain F. Berger, VP European Affairs and Head of the Brussels Office, Alstom
- Scott Brockett, Policy Officer, DG Environment, European Commission
- Jesse Scott, Brussels Programme Leader, E3G

Join more than 200 of your peers for the EU CCS conference prior to Copenhagen. Online registration is available at <http://www.ccsconference.eu> where you will find full registration costs. CCSA members can enjoy the early bird rates right up until the event day saving you €100. After the 25th August 2009 simply use discount code CCSA100 when registering online at <http://www.ccsconference.eu>. Book early to secure a place!

Power Generation Middle East



11-13 October 2009

Abu Dhabi National Exhibition Centre

11 - 13 October 2009, Abu Dhabi National Exhibition Centre

The region's premier exhibition for the power industry

Main areas of interest include:

- Power Generation
- Transmission & Distribution
- Automation & Controls
- Research & Technology

Exhibitor Testimonials

"The show has been really busy... We've met a large number of potential new customers..." N. Selvukumar, Mohamed Abdulrahman Al-Bahar (Caterpillar) [Read More](#)

"We've had plenty of visitors and lots of good business leads - up to 100 serious ones." Sandra Hackmann, Envicon [Read More](#)

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

Experts 2009



13 - 14 October 2009, Berlin, Germany

Modern Power Systems invites you to attend the Second Annual Experts conference which will bring together key authorities to provide answers to these and all the other topical questions. From clarifying the latest European Directives and implementing biomass co-firing to achieving a more efficient power plant, this conference will provide in depth analysis into solving the critical issues facing the industry today.

With CO₂ concerns so dominant in the public and political arena as well as the conventional pollutants of NO_x and SO_x, reducing emissions is an enormous task for power plant operators. Furthermore this responsibility provides colossal challenges which must be overcome.

The advent of stringent European Directives must be adhered with otherwise power plants face the possibility of being shut down. How will the changing regulations affect power plants and what technologies can help meet these challenges?

CCS members receive a 10% discount contact adriangray@vibeevents.com to receive your reference code

For more information please email adriangray@vibeevents.com or go to www.modernpowersystems.com/experts

Developing Carbon Capture and Storage on a Commercial Scale: Overcoming the Barriers to Implementation



Developing Carbon Capture and Storage on a Commercial Scale: Overcoming the Barriers to Implementation

23rd October 2009, Eversheds, London

New coal-fired power stations are needed in order to meet the energy gap and ensure a diverse energy mix. With coal-fired power stations being built globally at a rapid pace, making coal clean is an imperative without which climate change goals will not be met. Carbon Capture and Storage has the potential to reduce CO₂ emitted from fossil fuel plants by up to 90%.

With the Government currently consulting on the conditions to be placed on future coal power stations this conference focuses on the commercial viability of the technology and looks at the role of carbon trading in improving the economics of carbon capture projects.

How feasible is it for all coal power stations to operate carbon capture and storage and what are the implications for the industry and for the consumer?

Issues to be discussed include:

- Why we need clean coal and the Government's proposals for CCS demonstration and deployment
- European policy towards carbon capture and storage and the impact of the EU ETS
- The scale of the challenge
- The impact of the carbon markets on the economics of carbon capture and storage
- The implications for investors and for consumers
- Investing in and developing the infrastructure for capturing, transporting and storing carbon

For further information and to register please visit: <http://www.eventsforce.net/carboncapture>

For CCSA members there is a discount available when registering online. Please enter CCSA into the field marked 'discount code' to obtain the discounted rate of £199 + VAT.

Carbon Capture and Storage - Making it happen



CCSA Members to be considered as 'Members of a co-sponsoring organisation' and can register for the discounted rate of £200 + VAT £30. View the [website](#).

Middle East Electricity 2010



Tuesday 9 - Thursday 11 February 2010

Dubai International Exhibition Centre

Exhibition space at Middle East Electricity 2009 sold out well in advance of the show.

Secure your place at Middle East Electricity 2010 today

Contact us on +97143365161 or email meelectricity@irme.com

"This is our second time at Middle East Electricity - there's been good visitor traffic, and we've met visitors from across the GCC and North Africa. We're very satisfied with the show, and will return in 2010." Harris Juhn, Marketing Manager, Hyosung Corporation.