



**Carbon Capture &
Storage Association**

Issue No. 82
Week 1, October 2010

CCSA Weekly Newsletter

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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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To be considered by the Board for Membership please contact:

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UK News

Ofgem to Allow National Grid CCS Ambitions

4 October - Ofgem is to allow National Grid's proposal for the disposal and possible alternative use of some of its high pressure National Transmission System (NTS) in Scotland for CCS. Ofgem has consulted about this possibility, which could allow National Grid to take an active role in CCS plans for Longannet, one of the schemes involved in the Government's CCS competition. View the [story](#).

Shell and CO2DeepStore to Redevelop North Sea Gas Fields for CCS

4 October - CO2DeepStore are to work with Shell UK to find a storage solution for Scottish Power's CCS project at Longannet. They are to focus on the Goldeneye gas field in the North Sea. View the [story](#).

B9 Coal, Powerfuel, AFC Energy Sign Letter of Intent

4 October - British Companies Powerfuel Power Ltd, B9 Coal Ltd and AFC Energy Plc have signed a Letter of Intent to install AFC Energy's fuel cell technology at Powerfuel's Hatfield site near Doncaster. Up to 300 MW of AFC Energy's fuel cell technology will be used alongside Powerfuel's planned integrated gasification combined cycle (IGCC) power station, which is being constructed by Powerfuel with CCS capability. View the [story](#).

National Centre for Carbon Capture and Storage Established

4 October - "Britain has placed itself firmly at the forefront of the fight against climate change by launching a pioneering independent centre for research into carbon capture. "The National Centre for Carbon Capture and Storage combines the expertise of two of the UK's most respected institutions in the field of tackling global warming: the British Geological Survey and the University of Nottingham's Centre for Innovation in Carbon Capture and Storage." View the [story](#).

Chris Huhne Speech at The Carbon Show

4 October - Chris Huhne gave the keynote speech at the Carbon Show at the Business Design Centre in London. During the speech, he said

"From offshore wind to carbon capture and storage, we are already leading the way. If we can convert our scientific advantages into hard commercial successes, we can cut carbon and lock-in profits. Making us more secure at home, and more competitive abroad...

It's also best for the future of our planet. A third of UK emissions come from electricity generation. Conversion losses compound the problem. Burning fossil fuels isn't just bad for the atmosphere, it's also an inefficient way of transforming energy.

We need to get the right mix of technologies and energy sources, so that we play to our strengths.

That includes cleaning our existing fossil fuel plants. With strong emissions performance standards, and a commitment to carbon capture and storage pilots.

Some dismiss CCS as a sticking plaster solution to a critical situation. But until we can produce our electricity cleanly, we must minimise the damage done by dirty fuels.

With a new coal powered power plant switching on every week in China, our ability to develop and export CCS on a commercial scale makes environmental and business sense." View the [speech](#).

AMEC Receives FEED Contract from National Grid

7 October - AMEC has been awarded a front-end engineering design (FEED) contract from National Grid Plc. AMEC will carry out the FEED for the transportation element of the CCS project which is being developed by a consortium including ScottishPower, National Grid, Aker Clean Carbon and Accenture Plc. The study will look at a new pipeline, conversion of Feeder 10 pipeline and the compressor station design at St. Fergus. View the [story](#).

International News

ICO₂N Launches New Website

1 October - The Integrated CO₂ Network, ICO₂N, has launched two new information resources to help Canadians better understand CCS and the need for CCS. A new website and Brochure has been launched. View the [website](#).

ADA-ES Signs \$19 Million Contract with U.S. DOE for Capture Technology

4 October - ADA-ES, Inc. has signed a new contract with the U.S. Department of Energy to continue to develop clean coal technology to capture CO₂ from coal-fired power plants and industrial sources. The \$19 million project will be administered by the DOE's National Energy Technology Laboratory (NETL), which is providing \$15 million of funding. This will advance ADA's commercialisation plan for regenerable solid-sorbent technology for capturing CO₂. The contract is expected to run for 51 months to scale up the technology to 1MW level. View the [story](#).

Linc Energy and GFZ Sign MOU for UCG CCS Project

4 October - Linc Energy has entered into a Memorandum of Understanding (MOU) with the Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences (GFZ) to establish a framework for an exclusive working relationship for potential Underground Coal Gasification (UCG) and CCS projects. Linc Energy will contribute 24,000 Euros per quarter towards UCG-CCS Research. View the [press release](#).

Reports

Scotland's Regulatory Review Group Releases Annual Report

4 October - Scotland's Regulatory Review Group has published its annual report, looking at how the process of environmental planning applications to use the latest clean energy technology can be better managed. This project makes Scotland better placed to progress applications to build CCS facilities. View the [story](#). View the [report](#).

U.S. DOE Releases Manual Studies on 11 Major CO2 Geological Storage Formations

5 October - A new manual issued by the U.S. Department of Energy (DOE) has been published. The manual is a comprehensive study of 11 geological formations suitable for CO2 storage. Using the Regional Carbon Sequestration Partnerships (RCSP) and other and other sponsored research activities, the Office of Fossil Energy's National Energy Technology Laboratory (NETL) developed the manual, which allows carbon sequestration participants to better understand depositional environments and predict the behaviour of CO2 within those environments. View the [story](#).

FutureGen 2.0 Site Selection Process Announced

6 October - The FutureGen Industrial Alliance has announced the process for the selection of an Illinois site for CO2 storage from the FutureGen 2.0 Project. The storage site will include a geologic sequestration research complex, craft labour training centre and visitor centre. It will store 1.3 million metric tons of CO2 per year, captured from Ameren's Meredosia plant, for at least 30 years. View the [story](#).

ICE Journal Call for papers on CCS

The Institution of Civil Engineers is to produce a themed issue on the development of CCS, and have therefore begun a call for research and practice papers on CCS. [Find out more.](#)

Upcoming events

Institution of Mechanical Engineers: Carbon Capture and Storage 2010 Seminar

CARBON CAPTURE AND STORAGE: HOW IS IT WORKING AND WHAT NEXT?

CARBON CAPTURE AND STORAGE: HOW IS IT WORKING AND WHAT NEXT?

13-14 October 2010

Institution of Mechanical Engineers, London

Book now or view the full programme:

www.imeche.org/events/S1516

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

Keynote speaker Charles Hendry MP, Minister of State, Department of Energy & Climate Change.

This event will provide attendees with an understanding of the development of the policy, legislative and regulatory frameworks in which CO2 capture and storage projects must be financed, built and operated, as well as describing some of the current range of technical, regulatory and operational issues involved with designing, developing, owning and operating plant, infrastructure and storage facilities across the full CCS process chain.

Attending will help you:

- Get an update on current policy, legislation and funding issues
- Hear about the real challenges in CCS from key industry experts
- Learn from a series of case studies on plants in the UK, Europe and USA that are now in operation
- Obtain current awareness of developments in:
 - IGCC and post combustion projects
 - post-combustion capture on CCGTs
 - CO2 transportation infrastructure
 - CCS equipment functionality and operational flexibility
 - storage site appraisal
 - enhanced oil recovery
- Obtain an overview of projects implementing CCS

Organisations presenting: HSE, DECC, ScottishPower, Det Norske Veritas Ltd (DNV), E.ON UK Plc, Powerfuel Power Ltd, Environment Agency, Arup, AMEC Plc, M W Kellogg Ltd, Foster Wheeler Energy Ltd, FLUOR Power, Burges Salmon LLP, Doosan Babcock Energy Ltd, Schlumberger Carbon Services, IEAGHG, Sinclair Knight Merz (Europe) Ltd, 2Co Energy Ltd, University of Edinburgh, University of Durham

This event will attract:

Specialist designers, plant owners, operators, investors, financial advisers, insurers and policymakers

Members of supporting organisations can attend at the Reduced IMechE Member Rate: CCSA, ccsug), FESI, IChemE, ICE, IPA, OCA, SocEnv, SAFed, PIG, EEMUA

View the [brochure](#).

For further information contact:

Taz Khatun, Events Executive on Tel: 020 973 1306 or Email: t_khatun@imeche.org

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)

5th Annual ENERGY International Forum: SUSTAINABLE ENERGY IN A CHANGING WORLD



November 22-24, 2010/ The Dorchester Hotel/ London

Register now to meet all the relevant players on the international Energy market at the most important Reunion of political decision-makers and business executives in 2010.

Among the speakers: Tim Yeo, MP, Chair of the House of Commons Environmental Audit Committee, UK Parliament, Keith Melton, President, European Renewable Energy Centers Agency (EUREC), Jeff Chapman, Chief Executive, the Carbon Capture & Storage Association.

Who is attending:
Decision makers in the oil, gas and the power sector
Technical experts and solution providers from E.U., USA, Russia, Turkey
Governmental agencies & regulatory boards
Energy infrastructure development entrepreneurs
Financiers
Market analysts
Business consultants

Agenda highlights:
Green Energy: Expanding the role of renewable in the mix generation
The EU Energy Strategy and the Development of Sustainable Economy in Europe
Safety of Nuclear Power Plants
The role of renewable energy systems in meeting the energy demand for new technologies in infrastructure
Clean Energy Policy, Directions for 2011 and Beyond
Politics, Regulations and International Strategies for the Energy Markets
Future of Traditional Energy Sources
Renewable Energies in the Economic and Financial Crisis for Sustainable Economic Growth

Click [here](#) to read more details on the ENERGY 2010 International Forum in London.

CCSA membership DISCOUNT! : Receive a special 25% discount from the registration fee through membership of the CCSA!!! Just submit your registration request at roxana.dinca@foruminvest.ro, specifying your CCSA membership status.

CO₂ Transportation Summit 2010



The Manhattan Hotel, Rotterdam, The Netherlands
23-24 November 2010

Website: www.c5-online.com/energy/Carbontransport.htm

Despite the inarguable fact that CCS technology is being more and more widely accepted, the transportation component, vital for the overall growth of the industry, has been largely neglected - until now. Evaluating the pros and cons of pipeline and shipping methods of CO₂ transportation is becoming increasingly important as the fast paced power and energy industry embrace the Kyoto Protocol and reduce emissions. As we progress with implementing CCS, CO₂ transportation must be given the highest priority to realize the commercial opportunities within the sector, which is why C5 has developed the very first CO₂ Transportation Summit designed to bring together the key industry stakeholders to share the fresh experiences and exciting innovations that are driving the sector right now.

Whether you are interested in building, retrofitting or in financing a workable pipeline infrastructure network, or in transporting CO₂ by ship, this programme will identify the safest and most cost effective methods for transporting CO₂ and help you evaluate the opportunities. This program will combine regulations and policy, as well as safety and technology to give you the best overview of CO₂ transportation as we move into 2011. Gather not only an insider's view of up-to-the-minute ground-breaking CO₂ transportation strategies, but open up the opportunity for you to personally meet and network with your peers.

Leading authorities will share their knowledge and experience with specifically tailored case studies including:

- What funds are available and are they sufficient to move the industry forward?
- Making the business case for CO₂ shipping: do the numbers really add up?
- Investigating consequences of CO₂ composition from oxyfuel mixed with CO₂ composition from IGCC
- How implementing CO₂ EOR in offshore fields compares with

current successful implementation of CO2 EOR onshore in the USA

- Financing projects using a recovery package plus Emission Trading Scheme (ETS)

3 EASY WAYS TO REGISTER:

1. PHONE our registration hotline on +44 (0)20 7878 6888
2. FAX your details directly to 020 7878 6896
3. EMAIL your details directly to Registrations@c5-online.com

As a member of CCSA, you are entitled to a flat rate discounted price of EUR1795 when using discount code *CCSA*.

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>

CCS World MENA 2010



CCS
Carbon Capture and Storage
WORLD
MENA 2010

Nov 29 - Dec 1, 2010
The Movenpick Hotel
Jumeirah Beach
Dubai, UAE

[register now >>](#)
[find out more >>](#)

CCS World MENA 2010

Dates: 29 November - 1 December 2010

The Movenpick Hotel, Jumeirah Beach, Dubai, UAE

www.terrapinn.com/2010/ccsmena/

CCS MENA is a strategic business conference that brings together oil & gas companies and technology providers to demonstrate successful CCS projects, analyse the risks and opportunities of adapting the CCS technology. Emissions reduction and enhanced hydrocarbon recovery for the MENA region through CCS technology.

The inaugural CCS World MENA arrives in 2010 to unite policy makers, investors, oil & gas sector and heavy industries to create new value chains to commercially develop CCS projects in the region.

Key issues being addressed include:

- Global and MENA case studies demonstrating CCS pilot and commercial projects
- Expertise in storage site exploration and management
- Partnership models to advance CCS innovation and deployment
- Setting a precedent now for future relationships, projects and funding

Profile your company at Carbon Capture and Storage World MENA 2010

Carbon Capture and Storage World offers you the best opportunity to:

- Build your brand and increase your profile amongst the CCS community
- Strengthen existing and develop new key client relationships
- Network with the decision makers face-to-face over just 2 days
- Increase your marketing ROI

Be there to explore critical issues with decision makers who are developing and defining MENA's CCS industry and probe them regarding their strategies and ambitions for the sector.

To discuss in the opportunities in detail, please call Ayusha Tyagi on +971 4 440 2533 or email <mailto:mayusha.tyagi@terrapinn.com>

World Clean Coal Week (WCCW) China Focus



Time: Nov 29 - Dec 3, 2010

Location: Beijing, China

Tel: +86 21 5830 0710

Fax: +86 21 5831 1668

E-mail: info@szwgroup.com

Website:

<http://www.szwgroup.com/2010/cleancoal/index.asp>

(Cont...)

On behalf of the Organizing Committee, we would like to invite you to attend the **World Clean Coal Week (WCCW), China Focus** scheduled on Nov. 29 - Dec. 3, 2010.

Supported by National Energy Administration, IEA Clean Coal Centre and Carbon Capture & Storage Association, WCCW, China Focus serves as the best platform for China clean coal business to grow and expand. As the most comprehensive program on clean coal technologies, WCCW will welcome over 350 delegates from Coal-To-Liquid, Coal Gasification, IGCC and Carbon Capture Storage sector at this annual event.

Pre-forum Workshops | 3 Days Forum | Post-Forum Field Visit | 18 Boutique Exhibitions | 350+ Attendees | 45+ Eminent Speakers | 25+ CTL & IGCC/CCS Project Updates

We have updated the WCCW Agenda with more than 40 SPEAKERS from below. For more information, please contact us.

Clean Coal Project Developers & Technology Leaders

- Coal Companies: China Shenhua, Yankuang Group, Lu'an Mining Group, Peabody
- Power Companies: China Huaneng, China Datang Corporation, China Power Investment, Duke Energy, AEP, Future Fuels, Scottish Power, RWE
- Gasification: GE, Shell, Lurgi, GL, Mitsubishi, Air Products, Air Liquide
- Oil and Gas Companies: Total, Statoil, Schlumberger, BP, PetroChina, CNOOC
- Engineering
- Clean Coal Equipment Providers

Why Clean Coal China a MUST

- Gain essential insight into the progress made within the industry
- Debate the potential for coal in the energy mix
- Evaluate the latest CTL, IGCC & CCS developments
- Explore the possibilities of developing niche markets with gasification
- Hear from pioneers of the coal fired power plant with CCS
- Analyze operational examples of alternative clean coal technologies

Interested in Speaking

For speaking & sponsorship opportunities, contact Ms. Evonne Wu on +86 (21)5830 0831 or email at: evonnew@szwgroup.com

As a member of CCSA, you may enjoy 10% off discount offered by the organizer.

Carbon Capture and Storage Forum



Date: Tuesday 30th November 2010

Location: Le Méridien Piccadilly, London

THIS EVENT IS CPD CERTIFIED

While the viability and deployment of CCS remains uncertain, the potential to solve problems both of security of supply and global climate change provides a significant level of discussion.

After a successful inaugural event in 2009, the *Carbon Capture and Storage Forum* returns to bring together the major organisations and thought leaders involved in CCS to give their views, share knowledge and build working relationships. Speakers include:

- Nick Horler, Chief Executive Officer, Scottish Power
- Adam Dawson, Chief Executive, Office of Carbon Capture & Storage
- Piotr Tulej, Head of Unit Energy and Environment, DG Environment, European Commission
- Tom Burke, Visiting Professor in the Department of Environmental Science and Technology, Imperial College, London
- Dr Pietro Barbucci, Manager of Fossil Fuels, ENEL Research
- Simon Tilford, Chief Economist, The Centre for European Reform
- Ian Phillips, Director CO2 Infrastructure, CO2 Deepstore

Visit the [website](http://www.ccsconference.eu).

2nd Annual Brussels Carbon Capture and Storage Summit



Sofitel Europe, Brussels, 26th January 2011

www.ccsconference.eu

Following on from the success of last year's inaugural Brussels CCS summit, this high-level conference will be taking place on the 26th January 2011. We expect to welcome over 200 European and global stakeholders to the event, including representatives from industry and environmental organisations, as well as policy makers from the EU institutions and member state governments. The 2nd Brussels CCS Summit will seek to identify and explore in detail what can be done to clarify and progress the demonstration of CCS, focusing particularly on the issue of finance and regulation, and will pose the question: will the technology be ready in Europe by 2020?

Sessions will look at:

NER300 and the ETS

EU & Member State policy tools - Striking the right balance

Global CCS Development - The Current State of Play

More information and confirmed speakers will be available soon, so check our website regularly at www.ccsconference.eu where you can also register online. A 10% discount is available for CCSA members. Please use discount code CCSA10 when making your registration.

For further information, including details of sponsorship opportunities, contact James Wilmott on +44 (0) 2920 783 022 or james.wilmott@forum-europe.com