



Carbon Capture & Storage Association

Issue No. 16
Week 1 May 2009

CCSA Weekly Newsletter

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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

European News

Climate and energy package formally adopted

23 April 09 - The European Union has now formally adopted the climate and energy package, which includes the EU ETS Directive (that sets aside 300 million EUAs from the new entrant reserve for CCS and innovative renewables) as well as the CCS Directive (which creates a legal framework for use of CCS technologies). The six legislative acts that made up the package will come into force 20 days after publication in the Official Journal, which is expected to happen in May. View the [press release](#).

Committee approves Barendrecht project

23 April 09 - The independent Committee for Environmental Impact Reporting has approved plans by Shell to store CO₂ under the Dutch town of Barendrecht. Residents are strongly opposed to the plans, citing risks of leakage and a potential effect on house prices, but the Committee said it had no objections and that there are no risks beyond those that already faced by inhabitants of the region. View the [full story](#).

International News

Asian Ministerial Roundtable acknowledges importance of CCS

26 April 09 - The Third Asian Ministerial Roundtable has concluded, with participants acknowledging that CCS has an important role to play given that fossil fuels will continue to be a dominant part of the energy mix for the foreseeable future. The importance of developing roadmaps, demonstration projects, discussing regulation and monitoring, social acceptance and funding for CCS (for example through the CDM) was also emphasised. View the [full story](#) and a [further story](#).

Plans submitted for Linden CCS project

26 April 09 - A planning application for a CCS project in Linden, New Jersey has been submitted. The project, known as PurGen, would consist of a 500MW IGCC CCS plant (capturing up to 10 million tonnes of CO₂ annually) and is expected to cost \$5 billion. The company behind the project, SCS, hopes to offset higher operating costs by selling ammonia, hydrogen and other by-products. View the [full story](#).

Kuwait calls for support to see CCS included in the CDM

27 April 09 - The Kuwaiti Oil Minister has called for Asian countries to support the inclusion of CCS in the CDM in climate change negotiations. The Kuwaiti oil sector is developing a program to promote the development of low carbon technologies including CCS, as well as exploring economically viable opportunities for CCS and CDM. View the [full story](#).

Drilling begins in Kentucky storage project

27 April 09 - Drilling has begun for a test well as part of a project investigating CO₂ storage in geological formations in Kentucky. The project is a collaboration between Kentucky state government, Kentucky Geological Survey and a consortium of public and private companies. It has received a \$5 million grant from the Kentucky Department for Energy Development in order to carry out the work. View the [full story](#).

US announces Energy Frontier Research Centre awards

27 April 09 - The US Department of Energy is to invest \$777 million in 46 Energy Frontier Research Centers over the next five years. The EFRCs aim to accelerate scientific breakthrough in energy related areas (including CCS) and will be established at universities, national laboratories, non-profit organisations and private companies. View the [press release](#).

CCS discussed at Major Economies Forum

29 April 09 - A two day Major Economies Forum on Energy and Climate has concluded. The delegates (representing seventeen major economies) are reported to have discussed technologies, including CCS, but did not have time to talk about financing issues. The role that the group could play in providing support for critical technologies, as well as the potential to cooperate on innovation and policies to enable deployment, was noted. Delegates were invited to submit proposals for cooperation for discussion at the next meeting. View the [press release](#) and [full story](#).

Canada to require CCS on all new coal-fired power stations

29 April 09 - Canadian Environment Minister, Jim Prentice, has said that all new coal-fired power stations in Canada will be required to install CCS technology. He explained that Canada will have clearly articulated its policies to deal with major sources of emissions before UNFCCC talks in Copenhagen in December. Canada is expected to implement a similar level of climate change ambitions as the US. It had hoped to create a cap-and-trade scheme with the US, but the US has preferred to open a 'clean energy dialogue', focusing on CCS. Prentice said that there had been a clear recognition that CCS will be

critical to tackling climate change at the Major Economies Forum and that the country hopes to lead on CCS, along with Australia, the US and the UK. View the [full story](#).

StatoilHydro abandons oil sands plan

29 April 09 - StatoilHydro is said to have abandoned plans to capture and store CO₂ from an oil sands project in Alberta, Canada. The company will withdraw an application for Canadian funding for the project. View the [full story](#).

Arch Coal Foundation donates \$1.5 million to clean coal research

29 April 09 - The Arch Coal Foundation has pledged \$1.5 million to fund research into clean coal (including coal gasification and CCS) at the University of Wyoming's Clean Coal Technology Center. The State of Wyoming will also match this funding, bringing the total to \$3 million. View the [full story](#).



Masters in Carbon Capture & Storage

The Scottish Centre for Carbon Storage is proud to announce the world's first dedicated Masters Programme in Carbon Capture & Storage.

The CCS Masters provides high-level interdisciplinary skills and training in the entire value chain of carbon capture and storage, including combustion, transport, geoscience and legal aspects.

This Programme is designed for science graduates in Engineering or geoscience related subjects seeking an advanced academic qualification as a launch pad for careers in business, industry and government in the field of low carbon energy production.

www.erp.ac.uk/sccs

Reports

Research show that China can achieve low carbon growth

29 April 09 - A new report, from the Tyndall Centre and Sussex University, shows that China's economy could grow by more than ten times by 2050 and still keep emissions within IPCC targets. CCS proved crucial to reaching such targets in three out of four of the scenarios studied. View the [press release](#).

CCSA News

Interviews with Jeff Chapman

Jeff Chapman, Chief Executive of the CCSA, has commented in the following articles this week:

- [Financial Times](#) article entitled 'New coal power plants must capture carbon'.
- [Utility Week](#) article entitled 'Carbon capture announcement broadly welcomed - but utilities call for urgency'.

Upcoming events

ACI's Carbon Capture and Storage Conference



13th & 14th of May 2009, Berlin, Germany

ACI's Carbon Capture and Storage Conference will address the key challenges and issues facing the commercialisation of carbon capture and storage technology. Presentations will be delivered by industry experts and leading case studies. The main aim of this event is to showcase the most advanced technologies and the latest funding options to really drive CCS forward. The event will be held in Berlin which will include a site visit to Vattenfall's Schwarze Pumpe site.

Currently Confirmed Speakers Include:

- Tom Kerr, International Energy Association
- Dr Michael Stephenson, British Geological Survey
- Giles Dickson, ALSTOM
- Brendan Beck, IEA Greenhouse Gas R&D Programme
- Dr Stephen Brown, Yorkshire Forward

For more information please contact Justyna Korfanty:

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www.acius.net/wiki.aspx/Conferences/Upcoming?view=overview&id=121

Petroleum Economist Forum on Carbon Capture & Storage



9-10 June 2009, London, UK (Note the change of date)

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

Call: +44 (0) 20 7779 8840

Email: events@petroleum-economist.com

Third Annual New Build Europe 2009 conference



Modern Power Systems invites you to join us for our **Third Annual New Build Europe 2009 conference**, where we will explore the role of new fossil generation in the fuel mix, providing an update on key projects under construction and planned, and the issues surrounding them.

Other themes to be addressed at the 2009 conference will be the new "dash for gas" and advanced combined cycle technologies, clean coal and carbon capture readiness, repowering schemes, and new build fossil generation projects and prospects in central and eastern Europe

Our site visit will take us to the world's largest gas turbine, at Irsching, organised by E.ON in association with Siemens, where we will learn about their experiences building this path-breaking facility and plans for construction of the world's most efficient combined cycle plant at the site.

For more information please email Adrian Gray at adriangray@vibeevents.com or visit www.modernpowersystems.com/newbuild2009

Safe and Reliable Life Extension of Topside Equipment Offshore

- The Continued Safe and Reliable Operation of Offshore Oil and Gas Topside Equipment Beyond its Original Design Life - designed for 25 years and still operating after 30!

16 June 2009, Aberdeen Exhibition and Conference Centre, Aberdeen

Many offshore platforms, drilling, work over rigs and other facilities are past their original design life. But new technology and field enhancement has meant that they are required to continue operating. Changing properties of the fluids produced or additional wells require different processing and equipment in order to maintain production. The topside equipment needs to continue to operate and so often requires extension, adaption or preventative maintenance as well as updating, upgrading etc to bring it in line with current legislation and operating and safety practices. In addition there have been a number of mature offshore facilities that have been acquired by independent operators, with different priorities.

These topics will bring leading suppliers, service and engineering contractors and offshore oil & gas operators together to share their knowledge and experience to extend the life of existing facilities in a safe, reliable and cost effective way.

For further information or to register:

www.imeche.org/events/S1438

SMi 2nd annual conference - Gasification



17-18 June, London, UK

For more information:

Call: +44 (0) 20 7827 6156

Visit: www.smi-online.co.uk/09gasification6.asp

IQPC Carbon Capture Storage and Transport Summit



17-18 June 2009, Le Meridien, Picadilly, London UK

For more information visit: www.iqpc.com/uk/ccs

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 please email

ccsconference@africanearthevents.co.za

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

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@iirme.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

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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