



**Carbon Capture & Storage Association**

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# 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 CCSA News	Upcoming Events	Upcoming Events	Upcoming Events Contact Us

## Headlines

ACCAT urges government to move forward on CCS projects

Only £6.4m invested by UK Government in CCS since 2004

Steelmakers ask for EU CCS funding

Commission appoints DNV to accelerate CCS

Group calls for EU Emissions performance standard

US DoE project begins injecting CO<sub>2</sub> into lignite coal seam

Air Products signs agreement with US DoE

INGAA CO<sub>2</sub> pipeline report

Report warns of over-dependence on gas

## 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.0Hccsassociation.org](http://www.0Hccsassociation.org)

## UK News

UK launches vision for a low carbon industrial strategy  
ACCAT urges the government to move forward on CCS projects  
Only £6.4m invested by UK Government in CCS since 2004

## European News

Steelmakers ask for EU CCS funding  
Commission appoints DNV to accelerate CCS  
Group calls for EU emissions performance standard

## International News

US DoE to reconsider FutureGen  
Funding approved for High Plains Gasification - Advanced Technology Centre  
US DoE project begins injecting CO<sub>2</sub> into lignite coal seam  
Air Products signs agreement with US DoE  
US EPA proposes system for reporting CO<sub>2</sub> emissions  
WWF-Australia calls for effective emissions reduction policy

## Reports

INGAA CO<sub>2</sub> pipeline report  
Report warns of over-dependence on gas

## UK News

### Announcements

#### UK launches vision for a low carbon industrial strategy

6 March 09 - The UK Government has launched its vision of a low-carbon industrial strategy on a new interactive [website](#). A report entitled *Low Carbon and Environmental Goods and Services: an industry analysis*, which was commissioned by BERR has also been published. The report estimates that an additional 400,000 jobs could be created in the UK's low carbon and environmental goods sector over the next decade. View the DECC [press release](#), an accompanying [article](#) written by Ed Miliband and Peter Mandelson and the CCSA [press release](#).

### Policy

#### ACCAT urges government to move forward with CCS projects

6 March 09 - The Advisory Committee on Carbon Abatement Technologies (ACCAT) is recommending that the UK could achieve 10% of its generation from CCS by 2020. Peter Whitton, managing director of ACCAT has said that their findings show that the UK should press ahead with CCS projects. He also said that the government should introduce incentives such as a guaranteed floor price for carbon for the first 2000 MW of generation facilities with CCS. View the [full story](#).

#### Only £6.4m invested by UK Government in CCS since 2004

11 March 09 - Figures released by the Department for Innovation, Universities and Skill and DECC show that the UK government has invested just £6.4 million in CCS since 2004. Jeff Chapman, chief executive of the CCSA, said that government needs to provide money fast if the technology is to develop. "These figures aren't enough," he said. "Industry will need money to the tune of several billion pounds to deliver full-scale projects." View the [full story](#).

## European News

### Projects

#### Steelmakers ask for EU CCS funding

5 March 09 - European steelmakers have asked for EU funding for an €800 million CCS project. ArcelorMittal said that the company planned to build a furnace at Florange in France which could capture CO<sub>2</sub> and store it in an aquifer. The company hopes that this would qualify as a CCS project under the EU Flagship Programme.

The European Steel Technology Platform (ESTEP) also recently announced the launch of the second phase of the Ultra Low CO<sub>2</sub> Steelmaking research programme. View the [full story](#) and the ESTEP [press release](#).

### Announcements

#### Commission appoints DNV to accelerate CCS

11 March 09 - The European Commission has appointed DNV to accelerate the development of CCS through an information exchange network. View the [full story](#).

### Policy

#### Group calls for EU emissions performance standard

5 March 09 - According to E3G, a cross-party group of 44 European Parliament members is pushing for an emissions limit of 350gCO<sub>2</sub>/kWh to be included in a report on a new EU industrial emissions law that the EP is due to vote on 12 March. View the [full story](#).

## International News

### Projects

#### US DoE to reconsider FutureGen

5 March 09 - The US Energy Secretary, Steven Chu, has said that they are taking "a fresh look" at the FutureGen project. View the [full story](#).

## Funding approved for High-Plains Gasification - Advanced Technology Center

9 March 09 - The state of Wyoming has approved further funding of \$30 million for the High Plains Gasification - Advanced Technology Center, a joint project between GE Energy and the University of Wyoming that aims to develop advanced coal gasification technology. View the [full story](#).

## US DoE project begins injecting CO<sub>2</sub> into lignite coal seam

10 March 09 - One of the US Department of Energy's Regional Carbon Sequestration Partnership Programme teams has begun injecting CO<sub>2</sub> into a deep lignite coal seam in North Dakota. The Plains CO<sub>2</sub> Reduction (PCOR) Partnership plans to inject approximately 400 tonnes of CO<sub>2</sub> into a ten foot thick lignite seam at a depth of 1100 feet. View the [full story](#).

### Announcements

## Air Products signs agreement with US DoE

10 March 09 - Air Products have signed a Cooperative Agreement with the US Department of Energy for a CO<sub>2</sub> purification system, to be used in an oxyfuel technology development project. View the [full story](#).

## US EPA proposes system for reporting CO<sub>2</sub> emissions

10 March 09 - The US Environmental Protection Agency has proposed the first national system for reporting greenhouse gas emissions from major sources in the US. View the [press release](#).

### Policy

## WWF-Australia calls for effective emissions reduction policy

10 March 09 - WWF-Australia has called for Australia to adopt an effective carbon emissions reduction policy before the UNFCCC conference in Copenhagen takes place in December. WWF-Australia said that the Australian Federal Government must ensure the deployment of CCS. View the [press release](#).

## Reports

### INGAA CO<sub>2</sub> pipeline report

6 March 09 - The Interstate Natural Gas Association of America Foundation (INGAA) has released a report into US and Canadian CO<sub>2</sub> pipeline systems that will be required for widespread CCS deployment. The report estimates that 15,000 to 66,000 miles of CO<sub>2</sub> transmission and distribution pipelines will be needed by 2030. The report concluded that whilst there are no significant technical challenges to creating such a network, public policy and regulation still present major challenges to CCS projects. View the [full story](#).

### Report warns of over-dependence on gas

11 March 09 - The Centre for Policy Studies has released a new report entitled *Step off the Gas: Why over-dependence on gas is bad for the UK*, which warns that the UK is becoming over-dependent on gas. The report highlights the fact that there are several CCS projects awaiting approval in the UK (giving Kingsnorth as an example) and recommends that the Government should support and encourage these projects. View the [report](#).

## CCSA News

### Jeff Chapman comments on UK investment in CCS

11 March 09 - Jeff Chapman, chief executive of the CCSA, has been quoted by Business Green on the subject of the low levels of investment (just £6.4 million) made by the UK government in CCS. "These figures aren't enough," he said, "Industry will need money to the tune of several billion pounds to deliver full-scale projects." He also stressed the urgency with which government must invest in CCS if the technology is to be developed to its full potential in the UK. View the [full article](#).

## Upcoming events

### Towards a UK CCS roadmap - Regulatory and financing experience in the USA

Friday, 20 March, 9.00am - 4.30pm  
Institute of Directors, 116 Pall Mall

Efforts to accelerate the deployment of CCS in the UK are at a critical juncture, with an urgent need for clarity over the forward policy landscape. This timely conference will consider how the pursuit of a clear UK CCS roadmap can draw from the varied approaches to regulation and financing in place in the USA.

**Green Alliance** and the **CCSA** are delighted to welcome a delegation of experienced energy regulators and corporate leaders from the USA. They will share perspectives on state-level climate regulation, its impact on CCS deployment, and the influence it will have on forthcoming federal US climate legislation.

The conference will also include discussion of the recent consensus proposals made by the USCAP coalition of NGOs and corporations. UK stakeholders will then consider how available options could be assembled into a coherent UK CCS roadmap.

Chair: Stephen Hale (Director, Green Alliance)

Speakers:

- Richard Cowart (Director, Regulatory Assistance Project)
- Nancy Ryan (Chief of Staff, California Public Utilities Commission)
- Meg Gottstein (Principal, Regulatory Assistance Project formerly Administrative Law Judge, California Public Utilities Commission)
- Michael Peevey (President, California Public Utilities Commission)
- Gene Rodrigues (Director of Energy Efficiency, Southern California Edison Inc)
- Lewis Gillies (Chief Executive, Hydrogen Energy International Limited)
- David Hawkins (Director, Climate Programs, Natural Resources Defense Council)
- Steve Corneli (Vice President, Regulatory and Government Affairs, NRG Energy Inc)
- Mike Farley (Director of Technology Policy Liaison, Doosan Babcock)
- Sam Lumb (Climate Change Policy Manager, Environment Agency)
- Keith Allott (Head of Climate Change, WWF-UK)
- Jeff Chapman (Chief Executive, CCSA)

For more information please contact [Stephanie Squire](#).

### CO<sub>2</sub> Capture, Sequestration & Utilisation



5-6 March 2009, Beijing, China

Highlights: “Integrating Energy Production with Carbon Management Strategy”

- Integrating CTL with CCS
- Current international cooperation/partnership on CCS
- Environmental, regulatory framework and incentives, socio-economic challenges
- Current CO<sub>2</sub> capture technologies
- CO<sub>2</sub> geological storage & criteria for site mapping
- Other applications of CO<sub>2</sub>
- Carbon markets and linkage with CCS

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Visit: [www.cmtevents.com/?ev=090313&st=31&pg=Sc](http://www.cmtevents.com/?ev=090313&st=31&pg=Sc)

### CDMC 5th Clean Energy Forum - Coal Gasification 2009



1-3 April 2009, Tianjin, China

CCSA MEMBERS SAVE \$200

Quote ‘CCSA’

CDMC 5th Clean Energy Forum-Coal Gasification 2009 aims to trigger global efforts in facilitating clean coal reliability, commercial viability and economics and engender customer confidence. The world industry pioneers and practitioners will bring you the latest developments and performances of coal gasification, UCG, IGCC and CCS. Also you will reach the first hand information of clean coal related business opportunities all over the world, particularly in China, India, Indonesia, South Korea and Central Asia etc.

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## The Carbon Reduction Commitment: The Implications for Business

30 April 2009, London, UK

MEMBERS OF THE CCSA SAVE 10%  
Quote 'CCSA10'

The Environmental Industries Commission, in association with the Department of Energy and Climate Change and the Environment Agency, presents the essential event for understanding the implications the Carbon Reduction Commitment on your business.

Keynote Speaker: Joan Ruddock MP, Minister for the Carbon Reduction Commitment

For more information:  
Visit: [www.eic-uk.co.uk/crc2009.cfm](http://www.eic-uk.co.uk/crc2009.cfm)

Or contact Rob Hill at EIC:  
Tel: 0207 935 1683  
Email: [rob.hill@eic-uk.co.uk](mailto:rob.hill@eic-uk.co.uk)

## 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 Swarze 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

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Website:

[www.acius.net/wiki.aspx/Conferences/Upcoming?view=overview&id=121](http://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](http://www.petroleum-economist.com/ccs)

Call: +44 (0) 20 7779 8840

Email: [events@petroleum-economist.com](mailto: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](mailto:adriangray@vibeevents.com) or visit [www.modernpowersystems.com/newbuild2009](http://www.modernpowersystems.com/newbuild2009)

## 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](http://www.smi-online.co.uk/09gasification6.asp)

## Introduction to the Geological Storage of Carbon Dioxide (CO2)

A one day course from Senergy Training.

Learn about the principles, practice and security of CO2 storage in the UK context from Senergy's experts.

An acclaimed course in 2008 with 100% of participants rating the course good or excellent.

Dates for 2009 are:

- Thursday 19<sup>th</sup> March (Central London),
- Thursday 26<sup>th</sup> March (nr Aberdeen),
- Thursday 1<sup>st</sup> October (nr Aberdeen)
- Thursday 8<sup>th</sup> October (Central London).

Fee: £600 plus VAT

The course is designed for environmental and energy industry executives, managers, financiers, technical staff, government advisors, civil servants, politicians, journalists and any who wish to know more about the subject of carbon storage and its relevance to the UK and EU in achieving CO2 emissions reduction targets. There is no assumption of previous knowledge in any technical discipline.

"Thought provoking - which any good course should be" 2008 course participant.

For details of course content and tutors download brochure [here](#).

Book online at [www.senergyltd.com/training](http://www.senergyltd.com/training)

Enquiries to [training@senergyltd.com](mailto:training@senergyltd.com) or phone Sarah McPhee on +44 (0) 1315231000

Locally tailored courses also being presented in Australia (Perth) in March and Canada (Calgary and Edmonton) in May.

## 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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