Driving CCS forward

Hear from the industry’s leading organisations’ including:
- UK Government
- Shell
- BP
- European Investment Bank (EIB)
- International Energy Agency (IEA)
- Chevron
- Vattenfall
- Alstom Power
- US Department of Energy (USDOE)
- Statoil
- ScottishPower
- European Commission
- E.ON New Build and Technology
- PGE
- ENDESA Generacion
- Powerfuel
- International Emissions Trading Association (IETA)
- The European CO2 Technology Centre Mongstad (TCM)
- AMEC
- IFP Energies Nouvelles
- Global CCS Institute (GCCSI)
- European Parliament
- TNO
- National Grid
- Société Générale Corporate & Investment Bank
- South African Centre for Carbon Capture and Storage
- University of Cambridge
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Quick & Easy Ways to Register!

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17-18 February 2011 • Grange St. Paul's Hotel • London, UK

Just some of 2011’s key presenters include:
- Charles Hendry MP, Minister of State, Department of Energy and Climate Change, UK
- Simon Brooks CB, Vice-President, European Investment Bank (EIB)
- Graeme Sweeney, Executive Vice President, Group CO2 Management, Shell
- Gardiner Hill, Special Advisor, CCS Technology, Policy and Regulations, BP
- Victor Der, Acting Assistant Secretary of Fossil Energy, US Department of Energy (USDOE)
- Lars Strömberg, Vice President, Chief Technology Officer and Head of Group R&D, Vattenfall
- Tosten Woelfert, Deputy Head of Unit, C1 ‘Low Carbon Technology’, Directorate-General for Climate Action, European Commission
- Juho Lipponen, Head of CCS Unit, Directorate of Sustainable Energy Policy and Technology, International Energy Agency (IEA)
- Tore Andreas Torp, Advisor CO2 Storage, Statoil Research Centre Trondheim, Statoil
- Arthur Lee, Fellow and Principal Advisor, Chevron

Platts 5th Annual European Carbon Capture and Storage conference has and will continue to:
- Attract over 450 leading professionals from 291 different organisations and 37 countries in its history
- Showcase 30 industry leading speakers from the industry’s leading utilities, project developers, technology providers, policy makers, regulators, financiers, NGOs and observers
- Provide an unrivalled global CCS market overview from utility plans to project challenges to legislative developments
- Present the latest in project case studies from Mongstad, Jänschwalde, Compostilla, Hatfield, Belchatow, ROAD, Maasvlakte, Gorgon to name a few
- Offer excellent networking opportunities

Exhibitors

Supporting organisations:

Platts Power in Europe
Platts Emissions Daily
Platts International Coal Report
Platts EU Energy

Principal media partners:

Media partners:
Platts 5th Annual European Carbon Capture and Storage conference has very much become the benchmark within the industry. It continues to build upon Platts global reputation for content quality while delivering challenging agendas at the right time from those individuals and organisations who are leading the charge. In its five year history, the event has grown together with the industry and provided attendees with an unrivalled overview of the European CCS industry and its development. It has provided attendees with the latest in policy developments, tackled deployment challenges like finance, public awareness and storage liability, and showcased the leading projects in their various stages from Europe and from around the world. The 2010 event was attended by over 200 delegates and continuously attracts the industry’s leading project developers, policy makers, senior energy leaders, thought provoking academia, NGOs and international solution providers.

Day one: Thursday 17 February 2011

08:00 Registration and continental breakfast sponsored by

08:45 Chairman’s welcoming remarks
Jeff Chapman, Chief Executive Officer, Carbon Capture and Storage Association (CCSA)

Driving CCS forward – Leaders perspectives

09:00 Keynote address: Realising the CCS opportunity
Graeme Sweeney, Executive Vice President, Group CO2 Management, Shell

09:25 Keynote address: The UK approach – Encouraging CCS development
Charles Hendry MP, Minister of State, Department of Energy and Climate Change, UK

09:50 Keynote address: Financing sustainability in Europe – The role of the EIB
Simon Brooks CB, Vice-President, European Investment Bank (EIB)

10:15 Keynote address: Climate change and CCS direction – US perspective
Victor Der, Acting Assistant Secretary of Fossil Energy, US Department of Energy (USDOE)

11:00 Joint presentation: The current state of CCS policy frameworks
- Update on the NER300 process
- Insight into proposed regulatory frameworks
- The role and development of the CCS network
- The drive for stronger targets - Can a 30% target be achieved?
- Impact and implications for the European CCS development
- Are we moving quickly enough?
Tosten Woellert, Deputy Head of Unit, C1 ‘Low Carbon Technology’, Directorate-General for Climate Action, European Commission
Chris Bolesta, Policy Officer, Coal and Oil Unit, Directorate-General for Energy, European Commission

11:40 Policies and investment needed for early deployment of CCS
- Scale of investment needed to decarbonise power generation
- Role of government and business in investment
- What it means for CCS
- Policy needed for early deployment of CCS (OECD and non-OECD countries)
- Commercial model for CCS
Joan MacNaughton CB, Senior Vice President, Power and Environmental Policies, Alstom Power

12:05 Panel discussion: Transition from the theoretical to the concrete – Achieving commercialisation and wide-scale deployment
- How quickly is the demo phase going?
- Is the current policy environment facilitating collaboration and knowledge transfer?
- Are individual nation’s policy frameworks enabling CCS to progress in the necessary timeframes?
- Reducing the cost and improving the efficiency of capturing CO2
- The role of gas powered generation in the development of CCS – Introduce now or later?
- European demonstration - Achieving the 2015 deadline
- What are the frameworks needed post demonstration phase to achieve wide-scale deployment and cross the 2015 ‘death valley’?
- Encouraging investment now and in the future
- Where do we stand in the run-up to COP16 in Cancun?
Graeme Sweeney, Executive Vice President, Group CO2 Management, Shell
Gardiner Hill, Special Advisor, CCS Technology, Policy and Regulations, BP

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Juho Lipponen, Head of CCS Unit, Directorate of Sustainable Energy Policy and Technology, International Energy Agency (IEA)

Lars Strömberg, Vice President, Chief Technology Officer and Head of Group R&D, Vattenfall

Tosten Woellert, Deputy Head of Unit, C1 ‘Low Carbon Technology’, Directorate-General for Climate Action, European Commission

Joan MacNaughton CB, Senior Vice President, Power and Environmental Policies, Alstom Power

Moderated by: Henry Edwardes-Evans, Managing Editor, Power in Europe, Platts

12:35 Networking lunch

Operationalising CO2 storage: Tackling the weak link in the CCS supply chain

13:50 Panel discussion: What storage options are there?

• Tackling the weak link in the CCS supply chain - What needs to be achieved?
• Understanding the need and importance of developing onshore storage for the successful implementation of CCS in Europe
• Insight into the availability of onshore/offshore, saline aquifers/old oil fields
• Increasing the visibility and information on sub-service storage
• Tackling the issue of long-term storage liability
• How similar is CO2 storage to natural gas storage?
• Addressing NUMBY - Public dialogue and acceptance for on-shore storage

Tore Andreas Torp, Advisor CO2 Storage, Statoil Research Centre Trondheim, Statoil

Henk Pagnier, Head of Department, Sustainable Geo-Energy, TNO

Jim Ward, Business Lead - CCS, National Grid

Arthur Lee, Fellow and Principal Advisor, Chevron

Moderated by: Gardiner Hill, Special Advisor, CCS Technology, Policy and Regulations, BP

14:20 Joint presentation: Ensuring CCS project success - Some recent observations

• Integrating the benefits - The power perspective
• Technical challenges still to overcome

Azfar Shaukat, Director, Oil and Gas Consulting, Mott MacDonald

Adina Popa, Sector Leader - Carbon Capture and Storage, Mott MacDonald

14:45 CCS in Vattenfall - From R&D and large pilot plants to demo plants

• Progress
• What the pilot plants have given us
• The design for the demo plant Jänschwalde
• The challenges to actually be able to build the demonstration plants

Lars Strömberg, Vice President, Chief Technology Officer and Head of Group R&D, Vattenfall

15:10 ScottishPower and carbon capture and storage: An overview

• Overview of ScottishPower’s CCS activities
• Introduction and update on the ScottishPower Carbon Capture and Storage Consortium project
• Challenges of CCS implementation
• What next?

Steven Marshall, Head of CCS Development, ScottishPower

“It seems to be the conference where you have to be if you are interested in CCS”

Maximilian Elspas, Clifford Chance
15:35 Utility scale development of CCS - The steps to success
• From paperwork, lab experiments and pilot testing
• How to deal with technical, legal, financial uncertainty and acceptance hurdles
• The ‘Rotterdam Opslag en Afvang Demonstratie’ (ROAD) Lighthouse Project
Peter Ragden, Technology Area Manager, Carbon Capture and Storage, E.ON New Build and Technology

16:00 CCS project update – Hatfield
• Progress report
• Challenges faced
• Lessons learnt
Grant Budge, Director, Powerfuel

16:25 Networking and refreshment break sponsored by amec

16:55 CCS project update - Belchatów
• Progress report
• Challenges faced
• Lessons learnt
Marzena Gurgul, CCS Belchatow Project Manager, PGE

17:20 CCS project update - Compostilla
• Progress report
• Challenges faced
• Lessons learnt
Martin Madrid, Chief Business Development Officer, ENDESA Generación

17:45 CCS project update - The Gorgon project’s carbon dioxide injection plan
Arthur Lee, Fellow and Principal Advisor, Chevron

18:10 TCM at the forefront of innovation
• A joint venture project, the CO2 Technology Centre Mongstad is the world’s largest facility for testing and improving CO2 capture technologies
• Construction of the 5.2 billion Norwegian kroner project is well underway and the facility is on track to start operating in early 2012
• Building on the strong Norwegian experience with CO2 storage, TCM will take it one step further with an ambition to contribute to the availability of commercially viable carbon dioxide capture technologies for the world
• TCM will be the first of its kind to test two different types of capture technologies from two different flue gas sources of CO2 side-by-side
Tore Amundsen, Managing Director, The European CO2 Technology Centre Mongstad (TCM)

18:35 Networking reception

Day two: Friday 18 February 2011

08:00 Registration and continental breakfast

08:45 Chairman’s welcoming remarks and review of day one
Jeff Chapman, Chief Executive Officer, Carbon Capture and Storage Association (CCSA)

09:00 Keynote address: Looking ahead - Where next for European CCS?
• The Institute’s role in sharing CCS knowledge
• Updates on the status of CCS in Europe
• Momentum of CCS projects - European approaches and efforts to overcome current barriers
Bob Pegler, Senior Vice President – Europe, Global CCS Institute

International focus and development outlook

09:25 CCS in global context: Potential, progress and challenges
Juho Lipponen, Head of CCS Unit, Directorate of Sustainable Energy Policy and Technology, International Energy Agency (IEA)

09:50 Prospects for CCS in South Africa
• South African atlas for geological storage of carbon dioxide
• Road Map/Programme for CCS in South Africa including make-or-break milestones
• Renewable energy synergies
• Financing of CCS projects
Tony Surridge, Senior Manager, Advanced Fossil Fuel Use, South African National Energy Research Institute, Head, South African Centre for Carbon Capture and Storage

Encouraging CCS investment

10:15 Is it too early to consider financing options for CCS projects?
• Why have financial institutions largely ignored CCS to date?
• The role of financial institutions in setting policy
• How do we mobilise debt for CCS build out?
• Knocking down barriers to financing
Allan Baker, Managing Director - Global Head of Power, Energy Project Finance, Société Générale Corporate and Investment Bank

10:40 The future of EU ETS, price dynamics and thoughts on the potential impact of Cancun
• European carbon market outlook - Challenges faced, opportunities arising
• The current ETS regulatory environment
• Lessons learnt in Phase II and preparation for Phase III
• Role of auctions moving forward
• The use of international offsets
• Potential introduction of further qualitative restrictions and how this would change dynamics
Henry Derwent, Chief Executive Officer, International Emission Trading Association (IETA)

11:05 Networking and refreshment break sponsored by amec

Group booking discounts available
Creating an efficient demand delivering CCS infrastructure – Challenges faced and opportunities available

11:35 Timely and cost effective development of CCS projects: A transport and storage perspective

- Timely project definition decisions - For external and internal stakeholders
- Reducing costs through clusters and shared infrastructure
- Strategic consistency - Delivering on original objectives
- A vision for future projects and cluster development

Jim Ward, Business Lead - CCS, National Grid

12:00 Practical deployment of CCS infrastructure based on the demonstration projects

- Developing clusters and infrastructure – learning from UK cluster studies
- Right sizing pipelines and infrastructure for optimised design
- Minimising costs to the electricity consumer

Alastair Rennie, Project Director CCS, AMEC

Understanding why the public chooses to support or oppose CCS projects

12:25 Understanding why the public may support or oppose CCS projects

- Key drivers of public acceptance
- The role of trust, information, proximity and local contingencies
- Comparing public and stakeholder concerns

David Reiner, Judge Business School, University of Cambridge

12:50 Panel discussion: Time to awake the sleeping dog?

- Understanding the importance of timing when communicating to the general public?
- When would be the best time to roll out mass communications?
- What message should be conveyed?

Joan MacNaughton CB, Senior Vice President, Power and Environmental Policies, Alstom Power
David Reiner, Judge Business School, University of Cambridge
Sarah Clarke, Manager – Public Engagement, Global CCS Institute

13:20 End of conference
European Carbon Capture and Storage

Driving CCS forward

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Registration Fee: Standard Rate
- Commercial: $1,999 + VAT @ 20%*
- Credit card incentive: $1,699 + VAT @ 20%*

The full conference registration is payable in advance, failure to do so will require you to guarantee your place by credit card. The delegate fee includes breakfast, lunch, refreshments and post-conference documentation.

* Please note that the VAT will be charged at 20% on all registrations made after 31 December 2010

Discounts: Discounts or promotional offers cannot be combined.
- Team Discount — $1,840 + VAT @ 20%* per person. This price is applicable when you register three or more delegates simultaneously for the same organisation.
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Venue: Grange St. Paul’s Hotel, 10 Godliman Street, London, EC4V 5AJ, United Kingdom
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Discount Accommodations:
A limited number of rooms have been reserved for Platts 5th Annual European Carbon Capture and Storage conference participants at the Grange St. Paul’s Hotel at the following rates:
- £220 + VAT per superior room including Continental breakfast
The discounted rates are for the nights of February 16 and 17 2011 only and will be honoured until January 27 2011 — based on availability. To reserve a room please call the hotel directly on +44 (0)20-7074-1000 quoting our discount code 160211G.

Substitution & Cancellation:
Your registration may be transferred to a member of your organisation up to 24 hours in advance of the conference. Cancellations must be received in writing on or before 10 February 2011 in order to be refunded, less a $195 administrative charge. No refunds will be made after this date.

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