



Climate Change Conference



European Renewable Energy & Environmental Technology Solutions

24-25 May 2005, Gallery Conference Suite, NEC, Birmingham

LORD SAINSBURY - tbc

Parliamentary Under-Secretary of State for Science and Innovation

DR TOM DALZIEL - Corporate Responsibility
Manager, E.ON UK plc

RICHARD BARON - Principle Administrator for
Energy and Climate Change, International Energy
Agency

SIMON BARNES - Head of Technical Policy,
Buildings Division, Office of the Deputy Prime Minister

SUE INNES - Directory of Sustainability,
Constructing Excellence

ALLAN JONES MBE - Chief Development Officer,
London Climate Change Agency

JOHN HOLLIS - Head of Government and Industrial
Affairs, BMW (GB) Ltd

CHARLES PERRY - BP plc. Director,
Green Energy

FRANCIS SULLIVAN - Environmental Advisor,
HSBC Bank plc

GARETH LEWELLYN - Group Corporate
Responsibility Director, National Grid Transco

DR MYLES ALLEN - Climate Dynamics Group,
University of Oxford

GEORGE MARTIN - Director of Sustainability, BRE
Environment

NICOLA SMOKER - International Technology
Promoter, DTI

JERRY LEITMAN - CEO, FuelCell Energy



Ford Centre of Engineering
and Mechanical Excellence
(CEME), Dagenham
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CLIMATE SOLUTIONS

The entry into force of the Kyoto Protocol explicitly recognises the need to reduce greenhouse gas emissions and establishes binding instruments to address the issue. With the EU introduction of the Emissions Trading Scheme and climate change set as a priority issues for the UK G8 chair and EU presidency this year, there is no better time for a concerted effort to deliver solutions.

There have been more extreme and frequent weather events in the past decade, claims for storm and flood damage in the UK alone from 1998 - 2003 total £6 billion.

Investment of around \$16 trillion will be needed from 2003-2030 in order to meet the world's energy demand, without additional energy efficiency measures to reduce demand, both world energy demand and CO2 emissions are projected to increase by around 60% by 2030. These measures combined with a large-scale shift to renewable energy are a global imperative.

Building environmentally sustainable, resource efficient and technically robust buildings will continually shape our present and future with the UK government seeking to introduce a Sustainable Buildings Code as well as proposed amendments to Building Regulations benchmarked against the European Energy Performance of Buildings Directive.

With technological innovation at the fore Fuel cells and Hydrogen is a new high technology growth industry with a market expected to be worth \$29 billion worldwide by 2011.

In its powering future vehicles strategy, the UK Government has set a target for carbon emission reductions from the transport sector of 60% by 2050. To achieve this target we need to shift to clean low carbon vehicles and fuels while maximising the economic, social and environmental benefits.

All these new business growth opportunities present a large potential as the global market for environmental goods and services is currently worth \$515billion and predicted to reach \$690billion annually by 2010.

This conference is designed to help engage decision makers on delivering climate change solutions. The time is right for business, science and the public sector to work in partnership to deliver solutions and take advantage of the greatest business opportunity since the industrial revolution.

REGISTER NOW



Tuesday 24 May 2005

Session 1

Registration 08.30-09.30am

ENERGY CHALLENGE IN A CHANGING CLIMATE

Climate change mitigation, energy markets (near and long term growth for renewable energy), and shift to renewable energy driven business infrastructures (strategic necessity and market driven need), barriers to delivery, and hastening successful implementation of international objectives on reducing greenhouse gas emissions.

09.30 Chair: Dr Tom Dalziel - *Corporate Responsibility Manager, E.ON UK plc*

Lord Sainsbury - *Parliamentary Under-Secretary of State for Science and Innovation - tbc*

Richard Baron - *Principle Administrator for Energy and Climate Change, International Energy Agency*

Charles Perry - *BP plc. Director, Green Energy*

Gareth Lewellyn - *Group Corporate Responsibility Director, National Grid Transco*

Jim Walker - *Chief Operating Officer, The Climate Group*

11:00 Refreshments served

CLIMATE CHANGE INNOVATION

Climate change mitigation through technological innovation and developing/generating demand for environmentally sustainable technologies.

11:30 Chair: Nicola Smoker - *International Technology Promoter, DTI Global Watch*

Dr Myles Allen - *Climate Dynamics Group, University of Oxford*

Francis Sullivan - *Environmental Advisor, HSBC Bank plc*

Allan Jones MBE - *Chief Development Officer, London Climate Change Agency*

John Hollis - *Head of Government and Industrial Affairs, BMW (GB) Ltd*

Tony Sidwell - *New Opportunities Manager, British Sugar plc*

13.00 Lunch and poster sessions

Session 2

DELIVERING SUSTAINABLE REGENERATION (Roundtable)

Revisions to Building Regulations Part L and effects on building environmental envelop and industry, with the delivery of increased energy efficiency and scope for index rating in response to climate change. The Sustainable Buildings Code: benchmarking sustainability for buildings and the economic and technical viability in implementation of the code. The business benefit to regeneration of environmentally sustainable built environment.

14:00 Chair: George Martin - *Director of Sustainability, BRE Environment*

Simon Barnes - *Head of Technical Policy, Buildings Division, ODPM*

Paul Appleby - *Assistant Director, URS Corporation*



Office of the
Deputy Prime Minister
Creating sustainable communities

THE CLIMATE GROUP

MAYOR OF LONDON

LONDON
DEVELOPMENT
AGENCY

Bill Gething - Chair, RIBA Sustainability Group

Dr Katherine Hyde - Environment & Sustainability, Taylor Woodrow

Ant Wilson - Director, Faber Maunsell

Ann Heywood - Chair, Presidential Sustainability Review Group, RICS

15:30 Refreshments served

DELIVERING THE BUILT ENVIRONMENT

Overcoming current barriers to and hastening demand for environmental and resource efficient sustainable construction. Business case for and skills required to deliver environmental and resource efficient sustainable buildings and developments and infrastructure.

16:00 Chair: **Sue Innes** - Directory of Sustainability, Constructing Excellence

Annie Hall - Head of Sustainability, CITB-ConstructionSkills

Chris Donovan - Business Development Manager, HBG Construction

Linzie Forrester - Sustainability Programme Manager, AMEC plc

Abigail Smith - Environmental Manager, Amey Mouchel plc

Terry Dix - Director, Arup

17:30 **LAUNCH RECEPTION - CLIMATE CHANGE SOLUTIONS CENTRE**

20:00 Closure

Wednesday 25 May 2005

Session 3

Registration 08.30-09.30am

FUEL CELLS & HYDROGEN 'POWERING THE FUTURE'

The International prospective for Fuel Cells & Hydrogen

09:30 Chair: **Toddington Harper** - CEO Fuel Cell Markets Ltd

European Progress on Fuel Cells

Patrick Trezona - Secretary General, Fuel Cell Europe

Large Scale CHP

Jerry Leitman - CEO and Founder, Fuel Cell Energy

Hydrogen Stations worldwide

Emma Guthrie - Air Products

Fuel Cell CHP in Germany

IdaTech LLC, RWE, Buderus Heiztechnik GmbH partnership

Nicolas Pocard - European Sales Manager, IdaTec LLC

United Nations Center for H2

Dr Michaela Cangul - UNIDO

11:15 Refreshments served

11:45 **Regional Developments**

Chair: **Ben Mayo** - Teeside CPI

Plans for London

Allan Jones MBE - Chief Development Officer, London Climate Change Agency

Green hydrogen from renewables

Rupert Gammon - CREST, Loughborough University

Fossil Fuel Replacement, Scotland

Dave McGrath - Managing Director, SiGen

Hydrogen in the UK

Karen Hall - Vice President, Technical Operations, National Hydrogen Association

Teeside Installations and future Fuel Cell plans

Graham Hillier - Director, CIRIA

Hydrogen Valleys

Dennis Hawkes - Glamorgan University

12:30 **Lunch and Poster Sessions**

Session 4

14:00 **UK SMES**

Chair: **Ivan Buckley** - Advantage West Midlands

A new SOFC initiative

Brendan Bilton - CEO Europe, Ceramic Fuel Cells Ltd

CMR fuel cells and their implications

Michael Priestnall - CTO, CMR Fuel Cells Ltd

Ceres Power

Bruce Girvan - Technical Marketing Manager, Ceres Power Ltd

ITM approach to fuel cells

Donald Highgate - Research Director, ITM Power Ltd

Finance for SMEs

John Butt - Managing Partner, Conduit Ventures Limited

15:30 Refreshments served

16:00 **Industry Activities**

Chair: **Celia Greaves** - Fuel Cells UK

UK Industry picture

Toddington Harper - CEO, Fuel Cell Markets Ltd

UK priorities and International comparisons

Dr Vasso Tsatsami - Business Development Manager, BP plc Hydrogen

European Projects

Jonathan Lewis - Rolls Royce plc

Fuel Cells & Micro CHP

Ian Stares - Baxi Group Ltd

17:30 **Joint Reception**

20:00 **Closure**

Wednesday 25 May 2005

Session 5

Registration 09.00-10.00am

"Accelerating the shift to low carbon vehicles and fuels"

ROAD TRANSPORT SOLUTIONS TO MITIGATE CLIMATE CHANGE. A LOW CARBON VEHICLE PARTNERSHIP (LOWCVP) EVENT

10:00 **Road transport & climate change**

Chair: **Greg Archer** - Director, Low Carbon Vehicle Partnership (LowCVP)

Overview: Road transport's contribution to climate change

Prof. Abigail Bristow - Loughborough University and Tyndall Centre for Climate Change Research

Fuel solutions

How can biofuels be supported - voluntary and mandatory mechanisms?

Andrew Owens - Chairman, Greenenergy - Biofuels

Gaseous and gas-to-liquid fuels

Shell, tbc

11:15 Refreshments served

11:35 Vehicle & consumer solutions

New technologies for low carbon vehicles

Steve Cautley - Manager (Fuel Economy, CO₂ and Climate Change), Ford Motor Company

The consumer and low carbon choices

Konstanze Scharring - Deputy Director, LowCVP

Future technologies & financial support for technology introduction

Fuel cells and hydrogen - the future?

Dr David Hart - Head of Hydrogen Research, Imperial College

The new TransportEnergy Programmes

Richard Tarboton - Head of TransportEnergy, Energy Saving Trust (EST)

13:00 Lunch

Wednesday 25 May 2005

Session 6

Registration 13.00-14.00

CLIMATE CHANGE: SCIENCE AND BUSINESS PARTNERSHIPS

14:00 Chair: **Geraint Day** - Environmental Policy Advisor, Institute of Directors

Climate change as a business risk and due diligence

Dr Stephan Harrison - Oxford University Centre for the Environment

The Insurance view of climate change

James Orr - Loss Modelling, Lloyd's

Probabilistic forecasting and Attribution Science

Dr Dave Stainforth - Climate Dynamics Research Group, Department of Physics, Oxford University

View from the consultants

Kim Keats - ICF Consulting, London

15:30 Coffee

Chair: **Tom Bainbridge** - Environmental Law Department, Hammonds Solicitors

Merchant Banks and the financial view of climate change

Gareth Hughes - Climate Change Capital

Sea level change, storminess and tsunami risk under conditions of climate change

Professor David Smith - School of Geography and the Environment, Oxford University

Climate change: business risk and opportunities

Alex Cox - ERM Consulting

Climate change risk: policy perspectives

Dr Tom Downing - Stockholm Environment Institute

Floodplain management in a changing climate

Professor Mark Macklin - School of Geography and Earth Sciences, University College of Wales, Aberystwyth

17:30 Joint Reception

Fuel Cell Technology Partnering Event

The Midlands Innovation Relay Centre would like to invite technology-oriented organisations to participate in a Fuel Cell Technology meet for business partnering event on the 24th May 2005. The event will offer a meeting forum for technology developers and those seeking technology from all over Europe to discuss future collaboration and business.



The MIRC will organise prearranged meetings with companies / organisations submitting profiles to the Fuel cell Technology brokerage event. The brokerage Event will focus on Fuel cells and Hydrogen technologies and offers the ideal opportunity to:

- Find European exploitation partners for your fuel cell technologies
- Accelerate and realise innovation within your business
- Meet providers of new technologies from all over Europe in one location
- Establish cross-border contact with leading European industry actors and establish meaningful business relationships
- Meet partners for future research and development

For further information and to register your interest please contact **Adrian Duckworth** tel: 00 44 (0)24 76 23 6234, email: a.duckworth@coventry.ac.uk

SPONSORSHIP OPPORTUNITIES

Initiatives to help promote and deliver an environmentally sustainable 21st century and to help meet EU and UK objectives in reducing greenhouse gas emissions by 2010:

- Fifth Annual Climate Change Solutions Conference
- Climate Change Solutions Centre (with virtual centre)
- Building Sustainable Solutions partnership initiative
- World Future Centre

For further details please contact **Tony McNally** tel: 00 44 (0)24 7623 6623



"Faced with this mounting evidence of the harmful effects of climate change, the European Union is convinced that the world must take action to tackle the problem. That is why the EU has been at the forefront of the international efforts to deal with climate change for well over a decade."



Registration Form

To register complete the form and post or fax back with payment.

Payment can be made via **cheque**, **BACS**, **invoice** or **online via website** (see details below).



Post: Tony McNally, Managing Director, Climate Change Solutions Ltd,
The TechnoCentre, Puma Way, Coventry, CV1 2TT

Tel: 00 44 (0)24 7623 6623 **Fax:** 00 44 (0)24 7623 6624

Web: www.climate-change-solutions.co.uk (for online payment via WorldPay)

Enquiries: Erwin Sanghera, Projects Director

Tel: 00 44 (0)24 7623 6625 **Email:** erwin@climate-change-solutions.co.uk

For BACS transfers:

Account Number: 65114588 **Sort Code:** 08-92-99.

Bank Address: The Co-operative Bank, P O Box 250, Skelmersdale, WN8 6WT.

Cheques made payable to CLIMATE CHANGE SOLUTIONS LTD.

Delegate fees

Per day ☐ £140 + VAT (£164.50)
Per half day ☐ £75 + VAT (£88.13)

All prices include tea/coffee & lunch

Limited concessions upon enquiry

Climate Change Solutions Centre launch reception
24 May 2005, 17:45 - 20:00, Gallery restaurant,
NEC, Birmingham.

Please indicate attendance **Yes** ☐ **No** ☐

Sessions (please tick)

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

6 ☐

Total Amount £ : including VAT

Cheque ☐

BACS ☐

Invoice ☐

WorldPay ☐

(Preferred method
of payment)

Registration Information (BLOCK CAPITALS)

Name (Mr/Mrs/Miss/Ms/Dr):

Position:

Company/Organisation:

Address:

Telephone:

Fax:

Email:

Climate Change Solutions Ltd

Company Registration No: 4799590. VAT Registration No. 825 1361 49

A not for profit company limited by guarantee

Developing synergy & promoting climate change solutions

BOARD OF DIRECTORS

Chair: Dr Brian Waters / **Secretary:** Lis Broome / **Managing Director:** Tony McNally
John Bambrough / Robert Browett / Dr Stephan Harrison / Tatiana Bosteels / Erwin Sanghera

A multitude of ideas under one roof!

ET 2005, the UK's largest environmental technology and management services exhibition and NEMEX, the national energy management exhibition and conference will be co-located with the Climate Change Solutions Conference.

For further information or to register visit www.et-expo.co.uk/www.nemex-energy.co.uk or call 0870 443 6089

Climate Change Solutions Centre

The **Climate Change Solutions Centre (CCSC)** will be formally launched at a reception for delegates and guests at the end of the first day 24th May 2005 of the **Fifth Annual Climate Change Solutions Conference** from 17.45 - 20.00, at the NEC, Birmingham.

Co-sponsored by the **European Innovative Actions Programme** and **Advantage West Midlands** the Centre will promote synergies and partnerships to help accelerate climate change solutions. Its open and growing bi-monthly Co-ordinating Council helps plan and manage the range of partnership initiatives.

Centre launch will include:

MC: Dr Brian Waters, Chair, *Climate Change Solutions Ltd*

Helen McCallum, Director of Corporate Affairs, *Environment Agency*

Charles Perry, BP plc. Director, *Green Energy*

Susan Bell OBE, Chief Executive, *National Forest Company*

Richard Hutchins, Corporate Director for Sustainable and Rural Development, *Advantage West Midlands*

Chris Bridge, Exhibition Director, *Earth from the Air*

David Middleton, CEO, *Business Council for Sustainable Development UK*



This project is part funded
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Development Fund



Bookstore at the Climate Change Solutions Conference 2005

Delivering sustainability: James & James/Earthscan publishes a wide range of books on environment & development, with a focus on science, technology & policy.

Our full catalogue of books is available at www.jxj.com and www.earthscan.co.uk

**15% discount
for all delegates**



Earth from the Air and the CCSC partnership - promoting awareness and wider public and business engagement on climate change solutions



Earth from the Air

A photographic portrait of our planet by Yann Arthus-Bertrand

This free open exhibition is a spectacular presentation of large scale aerial photographs of astonishing natural landscapes. Each one tells a story about our changing planet. Seen together, they are an outstanding visual testimony to the world we live in today. A world with a growing population, shrinking biodiversity, polluted lands and oceans, a changing climate and a shortage of water. A world nevertheless, of beauty and of wonder. This exhibition makes a breathtaking impact - **Don't miss it.**

Prints, books and Agenda for Change Diary available at our on-line shop or at ET2005.

For details see our website:

www.earthfromtheair.com