



The Third Sustainability Days

2003

4 -10 September

*Connecting environmental
research with the transition
to sustainability*

**Zuckerman Institute for Connective
Environmental Research,
School of Environmental Sciences,
University of East Anglia,
Norwich, UK**

*A series of seminars, workshops,
conferences, and lectures to mark the
official opening of the Zuckerman
Institute for Connective Environmental
Research and addressing the challenges
of sustainability*



The building housing the newly constituted Zuckerman Institute for Connective Environmental Research (ZICER) will be officially opened on Thursday 4 September 2003. To coincide with the opening, the Institute is convening a series of seminars, workshops, conferences and lectures around the theme "Connecting environmental research with the transition to sustainability". Together, the events form the Third Sustainability Days, following the model developed by the Potsdam Institute for the First Sustainability Days in 2001 and the Second Sustainability Days which took place in 2002 at Columbia University in the USA.

The Zuckerman Institute represents a new venture in trans-disciplinary research, connecting environmental science with centres of policy-making and with agents of change in society. The pursuit of connectivity is enhanced by using new communication tools, such as a state-of-the-art virtual reality laboratory to assist the envisioning of future environments. The Zuckerman building will itself make a striking statement about sustainability ... one of the most energy efficient buildings in Europe, it exploits the technologies of high thermal mass, natural ventilation, photovoltaic electricity and recycled construction materials.

The Programme of Events

Thursday 4 September 11.00am-4.30pm

Zuckerman Institute

① The Official Opening of the Zuckerman Institute

The building will be officially opened by the Secretary of State for Education and Skills, the Rt Hon Charles Clarke, MP. Tours and demonstrations of the new virtual reality facilities will take place during the afternoon.

Speakers include: Professor David Eastwood, Professor Ian Diamond, Professor Bill Clark (Harvard University) and Professor Kerry Turner. This opening is by invitation only.

Thursday 4 September, 2.00-3.30pm

Zuckerman Institute, Seminar Room

② Towards a Sustainable Energy Economy

(Sponsored by the Tyndall Centre)

This purpose of this seminar is two-fold: to explore ways in which the UK research community can contribute to enabling the transition towards a sustainable and secure low-carbon energy economy as described in the Government's Energy White Paper, and to explore the new partnerships – between science, government and society – needed to deliver on this ambition.

Chaired by Sir Crispin Tickell, speakers and panellists include Professor John Lawton, Dr Catherine Mitchell, Nick Goodall. The seminar is by invitation only (primarily for those attending the morning opening of the Zuckerman Institute). Convenor: Professor Mike Hulme.

Friday 5 September

Zuckerman Institute, Seminar Room

③ Governance and Science for Sustainability

(Sponsored by the ESRC Science & Society Programme)

Governance recognises that delivery of social and ecological well-being depends on a form of science that seeks to define resilience and vulnerability in socio-ecological systems. It is in the spotlight because of the intricate relationships between global environmental agreements and national delivery and social acceptance. It is also a matter of interest in a world where local action, when accumulated over many years, and across the planet as a whole, can lead to enormous social, economic and ecological consequences many generations ahead. We need to be relating a science for sustainability to a governance for sustainability. This is the essence of the workshop.

Programme includes sessions addressing governance and sustainable development; global governance and the politics of sustainability; sustainability science and transforming local governance for sustainability. This seminar is by invitation only. Convenor: Professor Tim O'Riordan.

Saturday 6 September

Zuckerman Institute and Lecture Theatre 1, UEA

④ The Community Carbon Reduction Project - CRed – Workshop (Sponsored by EEDA)

CRed, The Community Carbon Reduction Project, was launched this year by UEA's Low Carbon Innovation Centre. CRed is working with the local community to find ways to make deep cuts in

carbon dioxide emissions by 2025 - the 60 per cent challenge. This day event is to inform, to engage and to look forward - an opportunity for our local communities to learn about CRed and to share their ideas and aspirations.

Programme includes the following: CRed and what can it achieve?; renewable energy and waste - looking forward to 2025?; local people and organisations describe their aspirations for a prosperous but sustainable Norfolk in 2025; activities for children - and local schools look forward to 2025 and beyond; the Zuckerman building - how it meets the 60 per cent challenge - and other energy initiatives at UEA; see the waves and spray lapping around an offshore wind turbine in a computer simulation. This workshop is open to the public.
Convenors: Professor Trevor Davies and Dr Bruce Tofield.

Sunday 7 (afternoon) to Tuesday 9 September **Zuckerman Institute, Seminar Room**

5 Justice in Adaptation to Climate Change *(Sponsored by the Tyndall Centre)*

Illuminating issues of justice and equity in adaptation to climate change, this workshop brings together leading scholars and practitioners to debate the implications of these conceptual insights for future adaptation actions and their relationship to sustainable development. The workshop will explore questions such as: does adaptation to climate change reinforce the current global distribution of vulnerability, wealth and power, and what are the implications of theories of justice and fairness for institutions promoting equity in adaptation?

Keynote Speaker: Professor Steve Schneider.
This event is by invitation only. Convenors: Dr Neil Adger, Dr Jouni Paavola, Jürgen Lefevere and Dr Saleemul Huq.

Monday 8 September 6:30pm

Lecture Theatre 1, UEA

6 The Inaugural Zuckerman Institute Lecture **Professor Robert Costanza (University of Vermont, USA)**

Ecological Economics: a transdisciplinary approach to integrating the study of humans and the rest of nature.

Ecological economics as a sub-discipline has its origins in the growing concern over environmental pollution and other damages during the 1960's. Since then it has evolved into an approach that seeks to integrate the science of nature with the knowledge that social scientists (including

economists) have accumulated on human behaviour and motivation. This connected set of knowledge is now being used to design new policy and management approaches to nature conservation, waste management and pollution reduction, ensuring a more sustainable development strategy for the future.

This lecture is free entry and open to the public.

Convenor: Professor Kerry Turner.

Monday 8 September

Elizabeth Fry Building, Room EF01.05

7 The Evolving Climate and Atmosphere *(Sponsored by the Laboratory for Global Marine and Atmospheric Chemistry, the Climatic Research Unit and the Tyndall Centre)*

Scientists will review the evolution of climate and atmospheric chemistry from the last ice age to the present day and the role of the oceans in climate regulation. Speakers will also consider the evolution of atmospheric chemistry in the near future. This will be followed by a discussion of likely future trends over the coming decades.

Speakers include: Professor Helen ApSimon, Professor Peter Brimblecombe, Professor Phil Jones, Dr Doug Wallace and Dr Eric Wolff and a keynote lecture by Dr Susan Solomon. This seminar is open to researchers. Convenor: Professor Tim Jickells.

Monday 8 (afternoon) to

Wednesday 10 (lunchtime) September

Zuckerman Institute and UEA Council Chamber

8 The Biofuels Directive: potential for climate protection?

(Sponsored by the European Climate Forum and The Tyndall Centre)

This Third Autumn Conference of the European Climate Forum provides an opportunity for leading scientists, business leaders and policy advisors to debate the EU Biofuels Directive and its role in climate protection from a range of perspectives and to identify new areas for associated and integrated European research. The Conference will examine biofuels in the context of low carbon transport futures, technical and economic frameworks, land use and European policy challenges.

Speakers include: Dr David Baldock, Professor Alexander Wokaun, Peter Billins, Professor G.A Reinhardt and Dr Stefan Singer. This Conference is by invitation only. Convenors: Professor Mike Hulme and Dr Elaine Jones.

THE ZUCKERMAN INSTITUTE for Connective Environmental Research



A new Institute bringing together leading research groups and trans-disciplinary science at:

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Comprising

Centre for Social and Economic Research on
the Global Environment

Tyndall Centre for Climate Change Research

Centre for Environmental Risk

Climatic Research Unit

Centre for Economic and Behavioural Analysis
of Risk and Decision

The organising committee of the Third Sustainability Days consists of:

Dr Neil Adger, Dr Katrina Brown, Professor Trevor Davies, Professor Mike Hulme, Professor Tim Jickells, Professor Phil Jones, Dr Elaine Jones, Miss Laura Middleton, Professor Tim O'Riordan, Professor Nick Pidgeon, Professor John Schellnhuber, Dr Bruce Tofield, Professor Kerry Turner and Dr John Turnpenny.

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