Isaac Newton Institute for Mathematical Sciences

in collaboration with the
Knowledge Transfer Network in Industrial Mathematics
and the Centre for Science and Policy

Climate Change Question Time

Wednesday 24 November 2010

The Willis Building, 51 Lime Street, London EC3M 7DQ

Can we ever model climate accurately? Can we detect early warning signs of dramatic climate change? How can climate science help create a greener economy?

Please register online at: www.newton.ac.uk/cgi/clpw03
Enquiries: s.simpson@newton.ac.uk; +44 1223 335982

Admission to The Willis Building from 1.30 pm

2.00 pm	**Welcome: Sir David Wallace, Director, Newton Institute**
2.05 pm	**Tim Palmer** (University of Oxford, and the European Centre for Medium-Range Weather Forecasts) *Estimating and reducing uncertainty in climate prediction: key findings from the Newton Institute Programme*
2.30 pm	**Panel Discussion: *The scientific uncertainties and their implications***
Chair:	**Jonathan Leake** (Science & Environment Editor, The Sunday Times).
Panel:	**Tim Lenton** (Earth System Modelling, University of East Anglia**)**; **Tim Palmer**; **Vicky Pope** (Head of Climate Change Advice, the Met Office); **Alan Thorpe** (Chief Executive, Natural Environment Research Council).
4.00 pm	**Refreshments**
4.30 pm	**Panel Discussion: *Policy in the face of the uncertainties***
Chair:	**Oliver Morton** (Energy and Environment Editor, The Economist).
Panel:	**Sir John Beddington** (Government Chief Scientific Adviser); **Ralph Cicerone** (President, National Academy of Sciences of the USA); **Abyd Karmali** (Managing Director, Global Head of Carbon Markets, Bank of America Merrill Lynch); **Lord Adair Turner** (Chairman, Financial Services Authority, and Committee on Climate Change).
6.00 pm	**Closing remarks: Rowan Douglas, Chair, Willis Research Network**
	Reception at The Willis Building
7.00 pm	**Close**

In conjunction with the Newton Institute Programme on
Mathematical and Statistical Approaches to Climate Modelling and Prediction

Willis Research Network
The Science of Managing Extremes

EPSRC
Engineering and Physical Sciences Research Council

NATURAL ENVIRONMENT RESEARCH COUNCIL

The Isaac Newton Institute for Mathematical Sciences **www.newton.ac.uk/** is an international visitor research institute at the University of Cambridge. It runs research programmes on selected themes in mathematics and all its applications, which attract leading scientists from around the world for periods of up to six months. In selecting its programmes, the Institute places a very strong emphasis on scientific quality and on identifying areas at the forefront of current development, where the Institute's involvement is most likely to lead to major breakthroughs with lasting impact. In doing so, it often brings together researchers with very different backgrounds and expertise. Since its founding in 1992 the Institute has hosted more than 80 research programmes, with now over 1500 visitors every year from academe, business and other organisations.

The Institute Programme ***Mathematical and Statistical Approaches to Climate Modelling and Prediction*** runs from 11 August to 22 December 2010: **www.newton.ac.uk/programmes/CLP/**. It is bringing together world-leading researchers in climate modelling, mathematics and statistics to make progress in solving some of the major issues facing climate prediction, and in particular the improvement of our understanding of uncertainties in these predictions. ***Climate Change Question Time*** is directed to all with a professional interest in these issues and will be of particular relevance to policy makers in Government, and to the Finance Industry. The format gives the opportunity for audience interaction and informal networking with distinguished professionals and world-leading researchers. It is one of a series of 'Open for Business' meetings to facilitate impact from the research at the Institute.

The Knowledge Transfer Network for Industrial Mathematics **www.industrialmaths.net/** brings together business, academe and government to boost innovation performance in the UK through the improved use of mathematics. It is managed by the Smith Institute for Industrial Mathematics and System Engineering, the UK's leading intermediate organisation in this area. Its vision is for companies to look increasingly towards mathematics as a key component in their innovation planning, and a powerful means for addressing challenges in design, operations, services and strategy. The KTN is a programme of the Government's Technology Strategy Board. It networks the activities of over 250 companies, universities and public sector organisations, providing them with a vehicle for developing new capability and exchanging knowledge and experience.

The **Centre for Science and Policy CSaP** **www.csap.cam.ac.uk/** is a networking organisation dedicated to building relationships between policy makers and experts in the sciences and engineering. The Centre supports an array of activities including seminars, workshops and presentations that provide opportunities for informal, high-level discussion between policy practitioners in government and industry and world class experts. In doing so the Centre is building on the success of the Cambridge University Government Policy Programme (CUGPOP), which ran from 1998-2006 and which promoted understanding of how scientific and technological advances are made, their implications and potential in terms of governmental planning and policy.

Climate Change Question Time **is grateful for support from:**