

The Science of UK Climate Projection: UKCP09 and beyond

Thursday 15th October 2009 at the Royal Society, Carlton House Terrace, London

In June of this year the Department of the Environment, Food and Rural Affairs launched the UK Climate Projections. The projections give an unprecedented level of information about climate change in the UK at regional and local scales and form a key component of the evidence base that decision makers can use to plan strategies to adapt to climate change. . This meeting will review the science of projections, detailing how they were made and what they show. There will be discussion of their strengths and weaknesses and discussion of how we might move forward to enhance UKCP09 and/or produce improved projections in the future as part of the growing need for climate services worldwide.

Attendance will be limited. Please send your contact details in an email, with **Royal Society** in the subject, to pipevents@defra.gsi.gov.uk in order to register. More information about UKCP09 can be found by going to <http://ukcp09.defra.gov.uk/>

Programme

- 10:30 Registration & coffee
11:00 Opening - Lord Rees of Ludlow OM Kt PRS, President of the Royal Society
- 11:15 Session 1: Introduction to the science of the UK Climate Projections 2009**
Chair Prof. Paul Hardaker FRMetS CMet Cenv (RMet)
- 11:15 Mr. James Murphy (Met Office Hadley Centre) Introduction to the UKCP09 method
12:00 Dr. David Sexton (Met Office Hadley Centre) More details of the UKCP09 method
12:45 Prof. Phil Jones (University of East Anglia) Weather generators
13:15 Lunch
- 14:15 Session 2. Strengths and weaknesses of the UKCP**
Chair Prof. John Mitchell OBE FRS (Met Office Hadley Centre)
- 14:15 Prof. Rob Wilby (Loughborough University) User drive for UKCP09
14:35 Prof. David Spiegelhalter (University of Cambridge) The value of probabilistic projections
14:55 Dr. Myles Allen (University of Oxford) Alternative approaches to projections
15:15 Prof. Lenny Smith (London School of Economics) Title TBA
15:35 Tea
- 16:00 Session 3: New climate science for future projections**
Chair Prof. Sir Brian Hoskins, CBE FRS, (Grantham Institute, Imperial College)
- 16:00 TBC
16:20 Dr. Tim Palmer FRS (European Centre for Medium Range Weather Forecasts) Seamless prediction
16:40 Prof. Julia Slingo OBE, (Met Office and President of the RMetS) Options for future UK Climate Projections
- 17:00 **Discussion Session**
18:00 Drinks reception

