

Climate Risks to 2020: Business Needs and Scientific Capabilities

8th and 9th March 2001

The Royal Society, 6 Carlton House Terrace, London SW1

Aims of the workshop

- To inform businesses of present and projected scientific capabilities relevant to the quantitative assessment of climate-related risks, with particular focus on those time horizons of most relevance for strategic planning (1-20 years).
- To inform the climate science community about business's information needs for quantitative assessment of climate-related risks.
- To promote an active dialogue between the climate science and business communities to facilitate the rational assessment and management of climate-related risks.

Who should attend

- Strategic planners and executives in weather and climate sensitive industries (e.g. insurance, energy, water, construction, agriculture, tourism, transport, retail) and in the public sector (e.g. local planners).

The PREDICATE project

The workshop is organised by the PREDICATE project. The aim of PREDICATE is to research and develop the science and technology of climate predictions for time horizons of 1-20 years. PREDICATE is a collaborative partnership between 8 of the leading climate science institutions in Europe, and is funded by the Fifth Framework Programme (FP5) of the European Union.

For further information: Please contact Dr Dave Frame (External Relations Manager, dave@met.rdg.ac.uk) or Dr Rowan Sutton (Project Coordinator, R.Sutton@reading.ac.uk, Tel: 44 (0) 118 9318337)

Thursday 8th March 2001

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| 10.30am | <i>* Arrivals & coffee *</i> | |
| 11.00 | Welcome The PREDICATE project Aims of the workshop | Rowan Sutton, PREDICATE project coordinator |
| Session 1 | The Science of Decadal Climate Variability and Prediction | |
| 11.30-13.00 | Chair: Chris Gordon, Hadley Centre Climate prediction for time horizons of 1-20 years Prediction of European climate Experience of science-user dialogue in the UK Climate Impacts Programme (UKCIP) Questions and discussion | Rowan Sutton, University of Reading James Murphy, Hadley Centre Richenda Connell, UKCIP |
| 13.00 | <i>* Lunch *</i> | |
| Session 2 | Business Needs for Quantitative Assessment of Climate-related Risks | |
| 14.00-15.30 | a) Energy Industries Chair: Dougal Goodman, Foundation for Science and Technology Climate and the electricity business Oil production design and operations Risks for hydroelectric power Climate risks for the Swedish power industry Climate risks for the gas industry Questions and discussion | Jean-Yves Caneill, EDF, France Lars Ingolf Eide, Norsk Hydro Hans Aksel Haugen, Norsk Hydro Gunnar Hovsenius, ELFORSK, Sweden Tom Welch, Centrica |
| 15.30 | <i>* Refreshments *</i> | |
| 16.00-17.30 | b) Financial Services Chair: Andrew Dlugolecki, Insurance Consultant to IPCC Risk assessment and pricing in the insurance industry Climate risks and re-insurance Uninsurable climate risks Pension funds and investment Questions and discussion | David Whiting, Guy Carpenter Gerhard Berz, Munich Re Rhys Newland, Willis Corporate Risks Mark Mansley, Claros Consulting |
| 17.30 | Close | |

Friday 9th March 2001

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| Session 2 continued | Business Needs for Quantitative Assessment of Climate-related Risks | |
| 9.30-11.00 | c) Infrastructure Chair: Richenda Connell, UKCIP Climate risks for the water industry Climate risks and local government Buildings and climate risks Questions and discussion | Peter Spillett, Thames Water Bryan Boulton, Hampshire County Council Chris Sanders, BRE |
| 11.00 | <i>* Refreshments *</i> | |
| Session 3 | Discussion Groups | Chairs: |
| 11.30-12.45 | a) Energy industries b) Financial services c) Infrastructure Plenary discussion | TBA Andrew Dlugolecki Richenda Connell Rowan Sutton |
| 12.45 | <i>* Lunch *</i> | |
| Session 4 | Managing Climate Risks Chair: Rowan Sutton | |
| 13.45-15.00 | Climate risk and decision making Insurance protection for climate-related risks Physical adaptation Questions and discussion | Nick Reynard, UK Environment Agency David Whiting, Guy Carpenter Chris Sanders, BRE |
| 15.00 | <i>* Refreshments *</i> | |
| 15.30 | Discussion: The way ahead | |
| 16.00 | Close of workshop | |