

Climate Change Scenarios for the United Kingdom

The UKCIP02 Scientific Report

April 2002



Climate Change Scenarios for the United Kingdom: The UKCIP02 Scientific Report



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On-line sources of UKCIP02 scenario data and related climate change information

- UKCIP02 Climate Scenario Data: www.ukcip.org.uk/scenarios/
Observed (5km), Climate change scenarios (50km) and climate scenarios (5km).
- The Climate Impacts LINK Project: www.cru.uea.ac.uk/link/
Supplying model output from the full range of Hadley Centre climate model experiments.
- Climatic Research Unit, University of East Anglia: www.cru.uea.ac.uk/
Supplying global/hemispheric temperatures and gridded climate data sets.
- The British Atmospheric Data Centre (BADC): tornado.badc.rl.ac.uk/
Supplying observed daily weather data for the UK.
- UK Marine Environmental Data Network: www.oceannet.org/
Co-ordinating available information and data for the UK marine environment.
- Solar Radiation Database for Environment (SoDa): soda.jrc.it/
Project for integration and exploitation of international solar radiation databases.
- European Solar radiation Atlas (ESRA): www.helioclim.net/esra/radiation.html
Links to information on obtaining solar radiation data for Europe.
- The Hadley Centre for Climate Prediction and Research, Met Office: www.metoffice.com/research/hadleycentre/index.html
Supplying Central England Temperature, England and Wales Precipitation and air flow indices.
- The Inter-governmental Panel on Climate Change (IPCC): www.ipcc.ch/
Information about IPCC activities, assessment reports and other publications.
- The IPCC Data Distribution Centre (DDC) <http://ipcc-ddc.cru.uea.ac.uk/>
Supplying results from worldwide global climate model experiments and other scenario-related information.
- The IPCC Special Report on Emissions Scenarios (SRES): sres.ciesin.org/index.html
Detailed information about the IPCC emissions scenarios and related non-climate scenario information.
- The Statistical DownScaling Model: co-public.lboro.ac.uk/cocwd/SDSM/IDLogin.html
A public-domain weather generator.
- The LARS Weather Generator: www.iacr.bbsrc.ac.uk/mas-models/larswg.html
A public-domain weather generator, designed for UK climate.



Tyndall Centre for Climate Change Research

www.tyndall.ac.uk

The Tyndall Centre is the national UK centre for trans-disciplinary research on climate change. Its purpose is to research, assess and communicate from a distinct trans-disciplinary perspective the options to mitigate, and the necessities to adapt to, climate change, and to integrate these into the global, national and local contexts of sustainable development. It is dedicated to advancing the science of integration, to seeking, evaluating and facilitating sustainable solutions to climate change and to motivate society through promoting informed and effective dialogue. The Centre was constituted in October 2000 and is the result of a unique collaboration between nine UK research institutions and three of the UK Research Councils - NERC, EPSRC and ESRC. It draws additional support from the UK Government's Department of Trade and Industry. The Centre has its Headquarters in the School of Environmental Sciences at the University of East Anglia in Norwich, but it also has regional offices at UMIST in Manchester and at the University of Southampton.

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Hadley Centre for Climate Prediction and Research

www.metoffice.com/research/hadleycentre/index.html

The Hadley Centre is the UK government centre for research into the science of climate change. It is a branch of the Met Office with about 100 staff, currently situated at Bracknell, but due to move to Exeter in 2003. It was opened in 1990, building on 20 years' previous research into climate. Its main roles are:

- To understand processes in the climate system and develop climate models which represent them
- To use the models to simulate change and variability in the past, and predict change in the future
- To monitor global and UK climate trends
- To attribute recent climate change to a number of possible causes, including human activities
- To advise government, industry and the media

The Hadley Centre is funded under contracts from DEFRA and the Government Meteorological Research Programme.

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UK Climate Impacts Programme

www.ukcip.org.uk

The UK Climate Impacts Programme helps organisations identify how they will be affected by climate change so they can plan to adapt. The Programme was established by the Government in 1997, with the aim of providing a framework for an integrated assessment of climate change impacts. Since then it has co-ordinated stakeholder-led studies for most of the regions in England, as well as Scotland, Wales and Northern Ireland. A number of sectoral studies have also been undertaken, including research on health and nature conservation.

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