Met Office

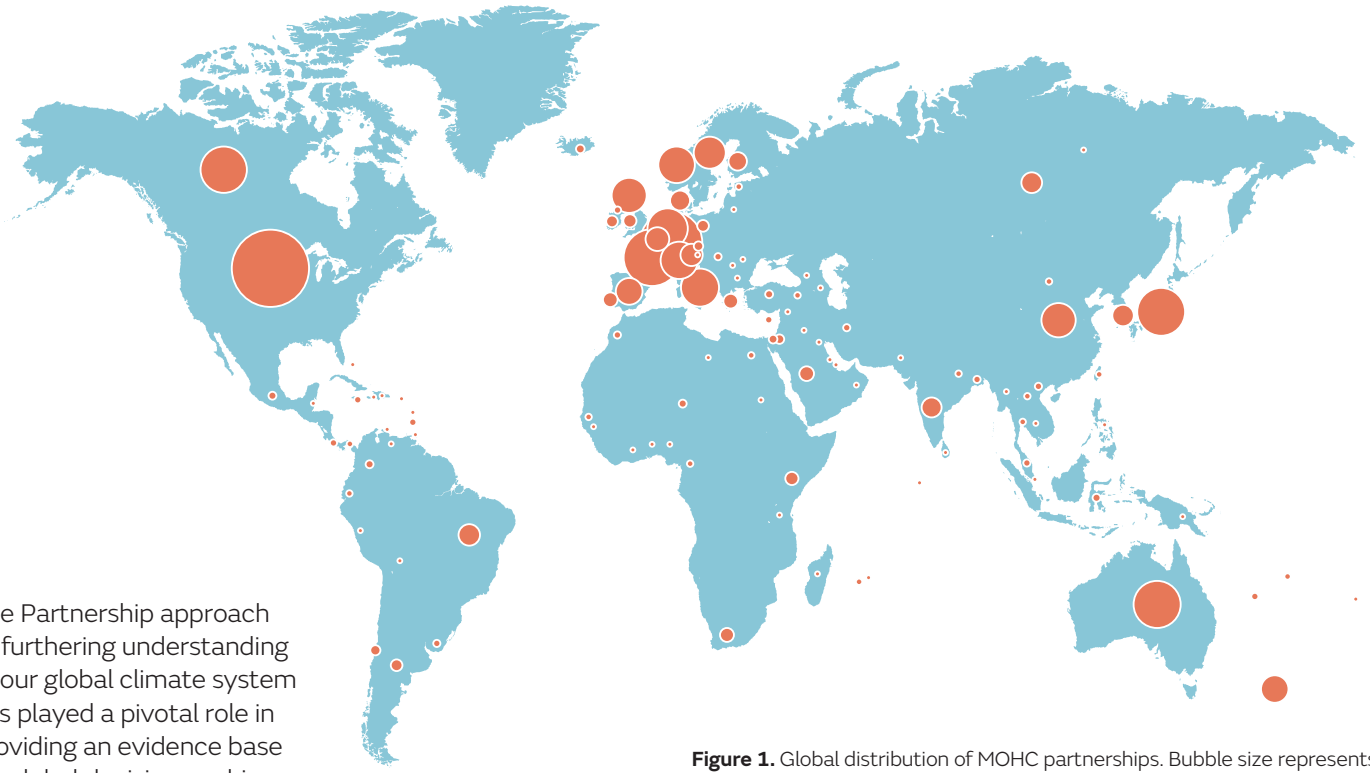
COP23: Met Office Hadley Centre

Our purpose

The Met Office Hadley Centre (MOHC) provides climate science and services to help people and organisations stay safe, well and prosperous. We do this by working with partners around the globe to carry out world leading research. This science is used for services which are developed together with end-users to find the most effective approach to managing climate risk.

Global partnerships

Since its foundation in 1990, the MOHC has been recognised as a **global partner** of choice for climate science and services. Through our years of pioneering research, our scientist have been working alongside international researchers from over **480 institutions** and **138 countries** outside of the UK.



The Partnership approach to furthering understanding of our global climate system has played a pivotal role in providing an evidence base for global decision-making.

Figure 1. Global distribution of MOHC partnerships. Bubble size represents the number of papers that the Met Office has Co-authored in each country.

World-leading research

The MOHC has been at the forefront of climate research by:

- contributing to all five of the Assessment Reports by the Intergovernmental Panel on Climate Change (IPCC) with **30 Lead or Coordinating Lead Authors, 115 Contributors and 147 Reviewers**.
- publishing more than **2,235** peer-reviewed articles in scientific literature since 1990, with **153** articles published in 2017.
- producing high impact publications that have been cited more than **163,513** times.

Figure 2. Peer-reviewed articles from 1990 - 2016

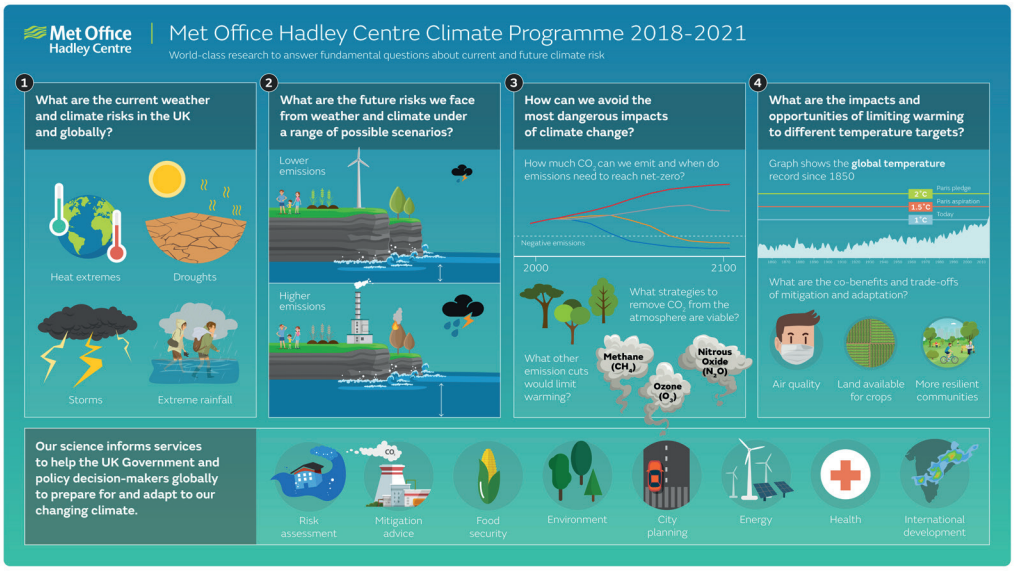
Cutting-edge science and services to inform decision-making

Met Office research is helping answer fundamental questions in climate science and apply that information through services which inform vital decisions on a range of timescales.

Met Office Hadley Centre Climate Programme

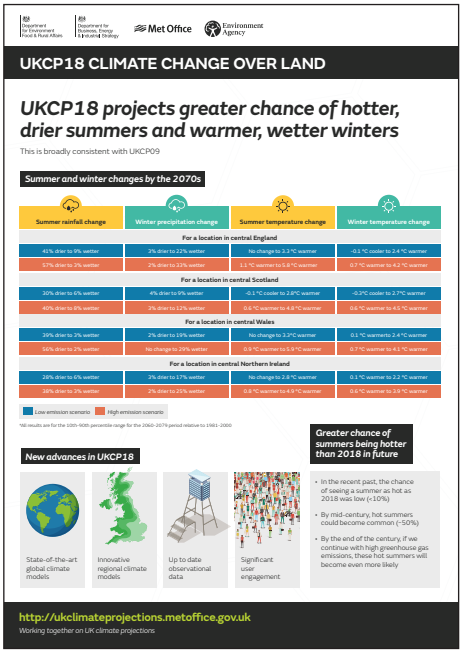
A major component of its science work is through the Met Office Hadley Centre Climate Programme. Supported by the UK Department of Business, Energy and Industrial Strategy (BEIS) and the Department for Environment, Food and Rural Affairs (Defra), it delivers world-leading scientific evidence on climate variability and change, benefitting the UK climate science base while serving the needs of UK Government.

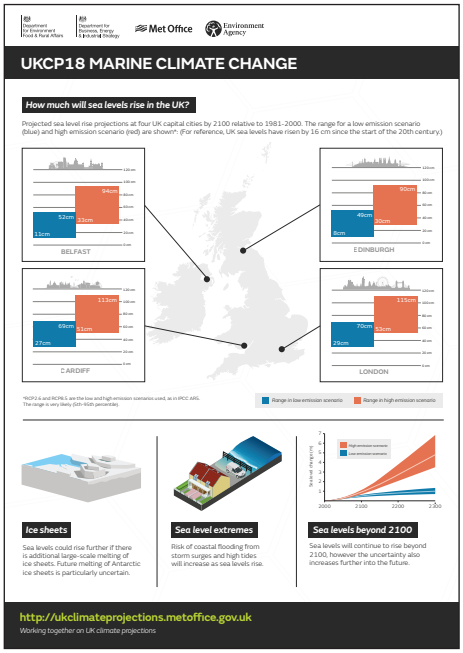
The current 2018-2021 work plan has been designed around key questions that the UK Government has agreed the climate science community will need to answer over the next five years and beyond. The Met Office Hadley Centre will be one of the main contributors to answering these questions in collaboration with national and international partners.



UK Climate Projections

The UK Climate Projections have been updated for 2018 to provide the most comprehensive picture yet of how the country's climate could change over the next century. It uses the latest scientific techniques to provide a range of tools which will help businesses and homes plan for the future. The projections are part of the Met Office Hadley Centre Climate Programme.





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