

## Climate

**Climate** describes what the average of weather will be over a period of time. It will include not just the mean, but the variability and extremes, as these can have big impacts. Climate is usually defined for different seasons or months, and averaged over a period of 30 years – currently the period 1971-2000 is used. So we might read for a particular place that “The average maximum temperature in July is 25°C, with typically 2 days hotter than 30°C”, or “The average rainfall for June is a total of 35mm, with 10 days of no rain and 3 days where rainfall is more than 5mm”.

Here you can explore some of the UK’s most established climatological data sets and related climate statistics produced by the UK’s National Climate Information Centre.

### **"Pathway 2050" a look at different pathways** <sup>[1]</sup>

*The 2050 Pathways work presents a framework through which to considers some of the choices and trade-offs we will have to make over the next forty years*

### **Carbon Footprint: Interactive calculator** <sup>[2]</sup>

*Why not use [this interactive tool](#) <sup>[2]</sup> to calculate your own and your family's carbon footprint with this carbon calculator?*

### **Some important datasets** <sup>[3]</sup>

Long time series of observations are important in detecting the changes in our climate. Here are some interesting climate datasets used in the studies of climate change. [See data >>](#) <sup>[3]</sup>

### ***Links to sites dealing with the Science of Climate Change***

[The Met Office's Hadley Centre](#) <sup>[4]</sup>

[The Tyndall Centre](#) <sup>[5]</sup>

[The Walker Institute](#) <sup>[6]</sup>

[The Grantham Institute](#) <sup>[7]</sup>

[Intergovernmental Panel on Climate Change](#) <sup>[8]</sup>

### ***Weather Clips on Youtube***

[Dr Vicky Pope, Met Office Hadley Centre](#) <sup>[9]</sup>

*Prof John Mitchell, FRS, Met Office Hadley Centre* [10]

*Dr Mat Collins, Met Office Hadley Centre* [11]

## **Other general sites about Climate Change**

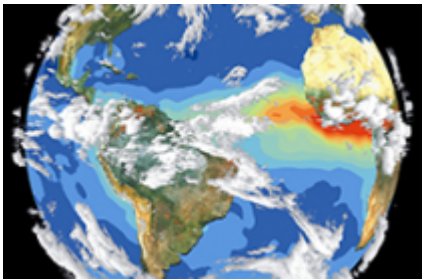
*Government Climate Change Page* [12]

*Your Climate, Your Life* [13]

*Climate Controversies* [14]

*Read About Climate Change and Health* [15]

- **Climate Science Briefing Papers**



Climate Science Briefing Papers [16]

- **theWeather Club**



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- **Climate Science**



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**Source URL:** <http://accsys.rmets.org/weather-and-climate/climate>

### **Links**

- [1] [http://www.decc.gov.uk/en/content/cms/what\\_we\\_do/lc\\_uk/2050/2050.aspx](http://www.decc.gov.uk/en/content/cms/what_we_do/lc_uk/2050/2050.aspx)
- [2] <http://actonco2.direct.gov.uk/carboncalc/html/>
- [3] <http://accsys.rmets.org/weather-and-climate/climate/climate-data-sets>
- [4] <http://www.metoffice.gov.uk/climatechange/science/hadleycentre/>
- [5] <http://www.tyndall.ac.uk/>
- [6] <http://www.walker-institute.ac.uk/>
- [7] <http://www3.imperial.ac.uk/climatechange>
- [8] <http://www.ipcc.ch/>
- [9] <http://uk.youtube.com/watch?v=WyDmdcPw7Uw&feature=related>
- [10] <http://uk.youtube.com/watch?v=YyKUblhXJw8&feature=related>
- [11] [http://uk.youtube.com/watch?v=apXt\\_SDV50s&feature=related](http://uk.youtube.com/watch?v=apXt_SDV50s&feature=related)
- [12] <http://www.climatechallenge.gov.uk/>
- [13] <http://www.yourclimateyourlife.org.uk/>
- [14] <http://royalsociety.org/page.asp?id=6229>
- [15] [http://www.who.int/features/factfiles/climate\\_change/en/index.html#](http://www.who.int/features/factfiles/climate_change/en/index.html#)
- [16] <http://accsys.rmets.org/briefing-papers>
- [17] <http://accsys.rmets.org/publications/journals/theweather-club>
- [18] <http://accsys.rmets.org/climate-science>