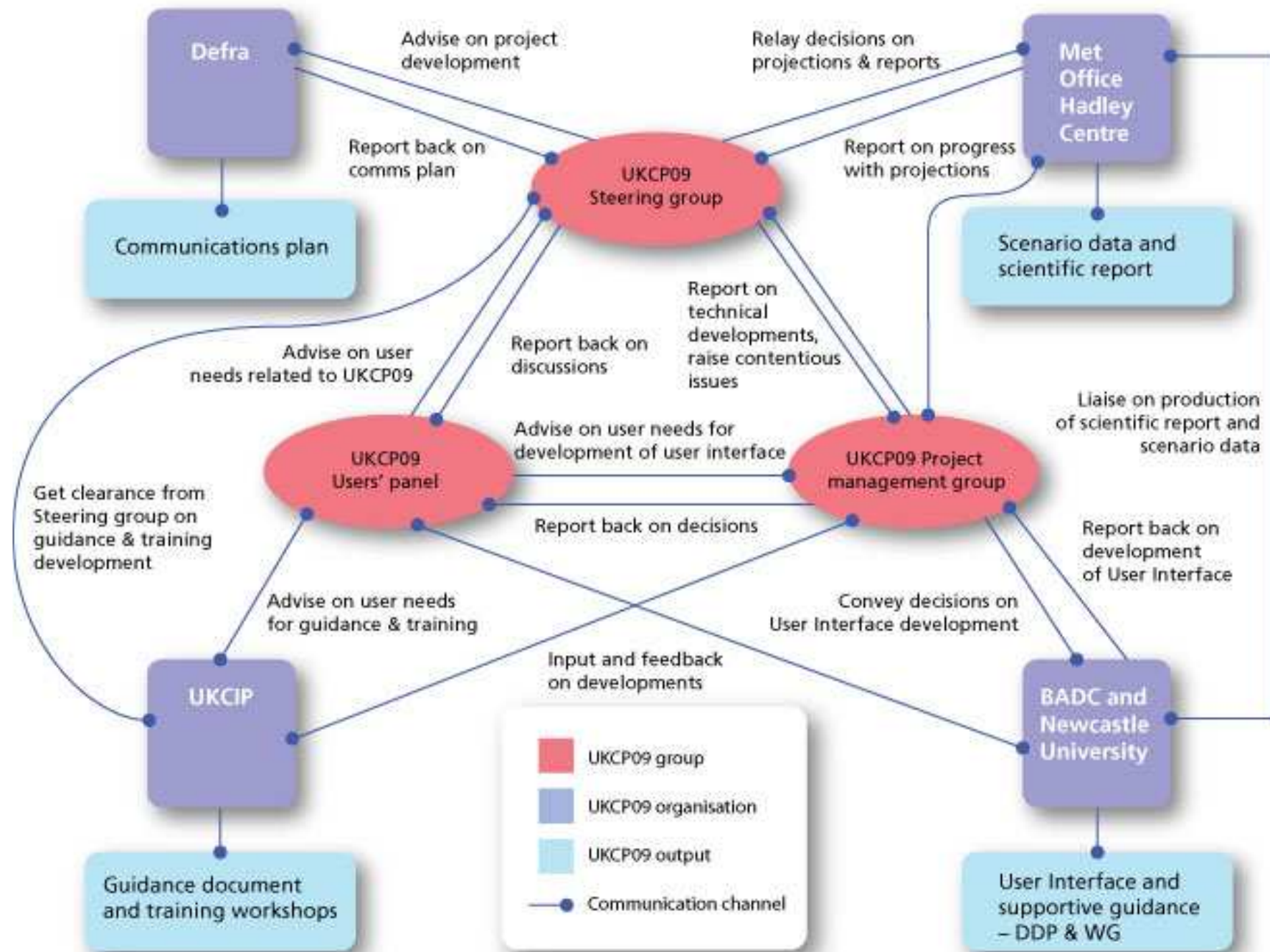


- The **UKCP09** process (*UK Climate Projections*) began in 2002 with an initial meeting between **Defra** (Department for Environment, Food and Rural Affairs), the Met Office **Hadley Centre** and the UK Climate Impacts Programme (UKCIP)
- more than 70 individuals representing some 34 organisations have contributed directly to the development of UKCP09
- **Steering Group** meetings twice a year, **Project Management Group** meetings every two months and the **Users' Panel** meeting on average every four months.

Please note that the UK Climate Projections should be used as part of an adaptation plan – see the [UKCIP website](#)

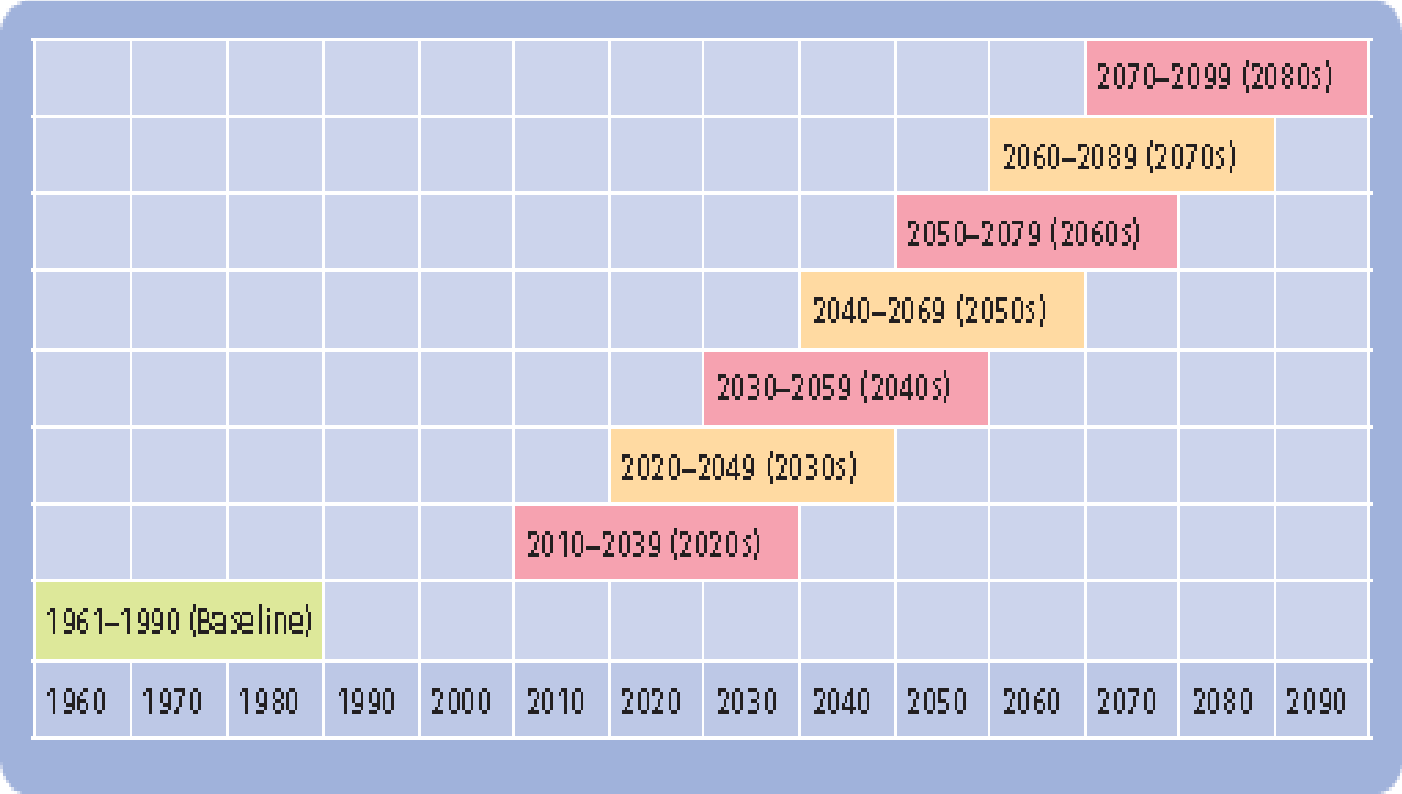


Access to UKCP09 is Online

- There are 1,700 web pages for you to explore at
- <http://ukclimateprojections.defra.gov.uk> :
- National & Regional Key Findings
- 5 Reports (Briefing, Trends, Land, Marine, Weather Generator)
- 7,000 Pre Prepared maps and graphs

- Also online, the User Interface allows you to explore 25 terra-bytes of climate data and generate over 2 million outputs, including:
 - oMaps
 - oGraphs
 - oProbability Density Functions
 - oCumulative Distribution Functions

resolutionTemporal resolution



Spatial resolution

a) 25 km grid; b) administrative, c) river basin



Variable	Unit	Change	Temporal averaging
Mean daily temperature	°C	°C	Month, season, year
Mean daily maximum temperature	°C	°C	Month, season, year
Mean daily minimum temperature	°C	°C	Month, season, year
99th percentile of daily maximum temperature	°C	°C	Season
1st percentile of daily maximum temperature	°C	°C	Season
99th percentile of daily minimum temperature	°C	°C	Season
1st percentile of daily minimum temperature	°C	°C	Season
Precipitation rate	mm/day	%	Month, season, year
99th percentile of daily precipitation rate	mm/day	%	Season
Specific humidity	g/kg	%	Month, season, year
Relative humidity	%	% (of %)	Month, season, year
Total cloud	fraction	%	Month, season, year
Net surface long wave flux	W/m ²	W/m ²	Month, season, year
Net surface short wave flux	W/m ²	W/m ²	Month, season, year
Total downward short wave flux	W/m ²	W/m ²	Month, season, year
Mean sea level pressure	hPa	hPa	Month, season, year

Communities of Practice

- **Web Addresses**

- Main Site: <http://ukclimateprojections.defra.gov.uk>

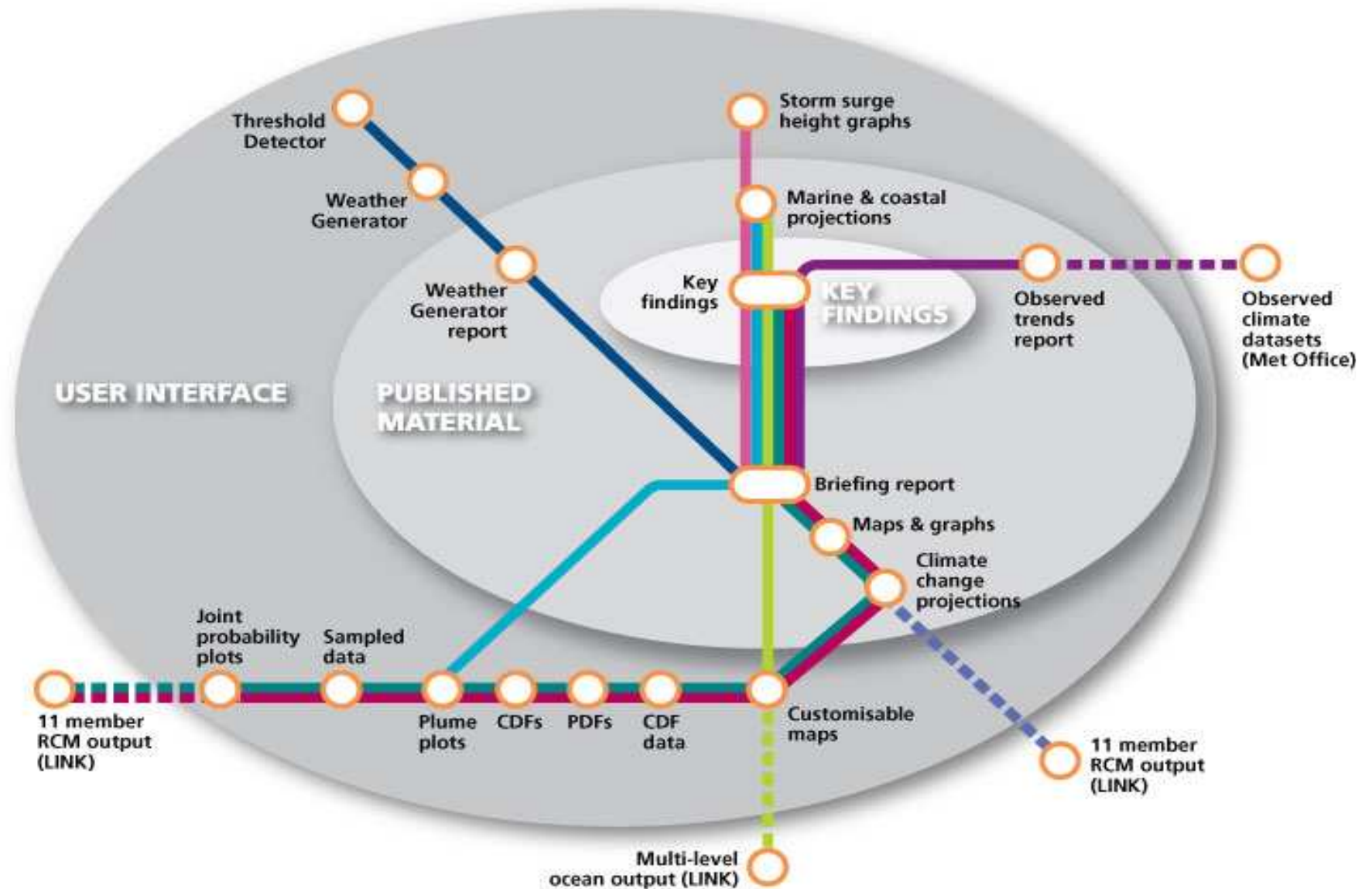
- <http://ukclimateprojections.defra.gov.uk/faq>

- <http://ukclimateprojections.defra.gov.uk/helpdesk>

- User Interface: <http://ukclimateprojections-ui.defra.gov.uk>

Training: www.ukcip.org.uk/training

<http://ukclimateprojections.defra.gov.uk/content/view/641/500/>



<http://ukclimateprojections-ui.defra.gov.uk>

- [Projections of climate change \(land\)](#)
- [Projections of climate change \(marine\)](#)
- [Weather Generator](#)
- [Sea level projections](#)
- [Storm surge projections](#)
- [11-member RCM](#)
- [Observed climate data](#)

About the Weather Generator

- It is a [downscaling](#) tool that can be used to generate statistically plausible daily and hourly time series. These time series comprise a set of climate variables at a 5 km resolution that are consistent with the underlying 25 km resolution climate projections.

The UKCP09 Threshold Detector (TD) is an online post-processing tool that can be applied to output from the [Weather Generator](#).

- The tool was developed following guidance from the [UKCP09 Users' Panel](#). The TD allows users to define their own basic weather events (or indices) made up of simple conditions such as temperatures or daily rainfall totals greater than a certain [threshold](#). An example of this might be daily maximum temperatures in excess of 25°C.

Fin

