**Requests for *Climate Change in Australia* Projections Data and Information**

Thank you for your request for climate projections information and/or data.

**Background**

CSIRO has been developing climate change projections since 1988. The latest Australia-wide projections and supporting information were released in 2015 and are available from the [*Climate Change in Australia* website](http://climatechangeinaustralia.gov.au/). This website includes links to a comprehensive Technical Report, a climate-campus and many interactive tools that allow users to generate maps for selected regions, years, seasons, emission scenarios and climate variables. For registered users, data can be downloaded directly from the website.

The website and Chapter 9 of the Climate Change in Australia Technical Report provide important guidance on using climate projections in impact assessments. It is recommended this information is read and understood in its entirety before undertaking an impact assessment.

You may find these data sources will meet your needs without further assistance. If not, please complete the questionnaire below and return it to us.

**Completing the Request Form**

To ensure we can respond to your request appropriately and as quickly as possible, please provide as much information as you can in your answers. If you are unsure what to put in any section, add a note that you would like to discuss it. In particular, please provide as much detail as you can on **exactly how you intend to use the data** (for example, you may be using a model that is driven by particular weather variables or you may know of critical thresholds in wind or temperature).

Please note that limited quantitative projections information is available for projected changes in extreme events such extreme rainfall, hail, wind gusts, tropical cyclones and storm surges.

Please also be aware that we are a small team and receive many requests for climate projections advice and data. While we endeavour to respond to requests in a timely manner, these are placed in a queue and dealt with in turn. Please allow plenty of lead time for your data request to be fulfilled. Typical delivery time-frames are 6 to 8 weeks for straightforward requests. Complex requests may take significantly longer.

When we receive your completed questionnaire, a team member will contact you by phone or email at the earliest opportunity to confirm the details.

Climate Change Services Team

Email: ClimateFutures@csiro.au

**Climate data or information request form (v5)**

|  |  |
| --- | --- |
| Name: |  |
| Contact phone number: |  |
| E-mail: |  |
| Affiliation/organisation: |  |

Category (tick):

Natural resource management

University

Government

Consultant

Other: ...................................

Focus (tick):

Marine

Terrestrial

Both

Assistance with model selection (tick):

Yes

No

Sector/system of interest (tick):

Agriculture/Primary production

Biodiversity

Carbon Sequestration

Coastal

Energy supply and demand

Fire/ fire hazard

General adaption planning

Infrastructure

Mineral resources

Tourism

Transport

Water supply

Other .............................................

Request type (tick):

Data (go to section 2)

Information (Type question below

**Information (not data) request** (if you want data, please use the next section)**:**

|  |
| --- |
| Type text here |

**Climate Data request:**

|  |  |
| --- | --- |
| 1. Please briefly explain **what you intend to use the data for** |  |
| 1. Please describe in some detail how you will use the data (i.e. your **methods**).  For example you may be using daily future time-series temperature and rainfall data as input to a biophysical model or using mean monthly changes in temperature to assess future suitability of existing heat management policies. |  |
| 1. Which **climate variables** are required for each aspect of the impact assessment, *e.g.* maximum temperature, rainfall, wind-speed, sea-level rise, storm surges, *etc.*?  You can check the list (and see more detail) of the available variables on the CCiA [Data Availability](https://www.climatechangeinaustralia.gov.au/en/projections-tools/data-availability/) page.  (The most commonly requested variables are listed to the right; for others, please select ‘Other’ and put the details underneath) | Mean temperature  Maximum daily temperature  Minimum daily temperature  Rainfall  Relative humidity  Wet areal evapotranspiration  Solar radiation  Mean wind-speed  Days above temperature thresholds  Days below temperature thresholds  Months below 10th percentile rainfall  Sea level  Sea level allowance  Other (provide detail below): |
| 1. Describe the **region**(s) or **location**(s) for which you want the data. |  |
| Please indicate below which **data types** you need  Projected (future) change in climatological averages, compared to an historic period  Future 30-year time-series of actual (weather like) data ([‘application-ready’ data](https://www.climatechangeinaustralia.gov.au/en/obtain-data/application-ready-data/)) – RCP4.5 and RCP8.5 only  Future average threshold counts (e.g. mean days per year above 35°C; mean months per year below 10th percentile rainfall)  Unsure (we will discuss with you)  Other (describe below) | |
| 1. What temporal resolution do you need? | Daily (“Application-ready” only)  Monthly  Seasonal  Annual  Other (specify below) |
| 1. What future timeframes do you need?  Please note that continuous time-series of future values spanning the whole of the 21st Century are not available in ready-to-use forms. | 2030s  2050s  2070s  2090s  Other (specify below) |
| 1. What future scenarios of [greenhouse gas emissions or global warming levels](https://www.climatechangeinaustralia.gov.au/en/changing-climate/future-climate-scenarios/) are you interested in?   If you are unsure, please say so and we can assist you. | RCP2.6 (limited availability)  RCP4.5  RCP6.0 (limited availability)  RCP8.5  1.5°C above pre-industrial (limited availability)  2.0°C above pre-industrial (limited availability)  Unsure (we will discuss with you)  Other (specify below) |
| 1. The data are available in NetCDF format. This is the native format for climate projections data and is a very efficient format. We cannot generally convert datasets into other formats.  However, we may be able to advise on conversions. If you would like advice on this, please tell us your preferred format/s. |  |
| 1. By when do you need the climate change projections data (please provide a meaningful deadline, not just ‘ASAP’)?   Please allow a minimum of **four** **working** **weeks**. However, delivery time-frames **may be longer** than this, depending on the current level of demand and the complexity of the request. We deal with requests in the order they are received and have very limited resources. **Please contact us as early as possible in your project!** |  |

**Please note:**

1. The datasets are often very large and time-consuming to process.
2. A cost recovery fee may be charged.
3. It may not be possible to meet all requests due to data, science, and/or resource constraints.