

# SA Climate Ready

## Overview

**South Australia is now better able to proactively plan for the impacts of climate change. New regional climate change projections will enable the South Australian government, business and community to access consistent and high quality information at the relevant scale for their decision making needs.**

Data produced by the SA Climate Ready project undertaken by the Goyder Institute for Water Research represents the most comprehensive set of climate projections ever available in the state. They are based on the best available science and will assist South Australia to remain a national leader in climate change adaptation planning.

SA Climate Ready project was designed to produce data to:

- understand the climate drivers for South Australia to provide the best available climate projections for South Australia
- provide insight into possible future climate at specific locations in South Australia

- align with the eight natural resource management (NRM) regions in South Australia so it is directly relevant to regional scale climate change adaptation planning in South Australia.

The data can be used to:

- ensure that planned future infrastructure such as roads, bridges, farm dams and mine tailings dams are designed to take into account the impacts of climate change
- enable water resource and catchment managers to assess the security of future water supplies and protect water supplies for all water users
- anticipate changes in extreme heat and fire risk to inform planning for South Australia's emergency, health and social services sectors.

This data is complementary to national scale projections produced by the CSIRO and the Bureau of Meteorology. It will also complement State Government initiatives such as the Water for Good Strategy, the State Strategic Plan, Climate Change Adaptation Framework, the Premier's economic priorities

and the Murray-Darling Basin Plan to ensure South Australia has sufficient water resources for a healthy future.

Data is available through to 2100 for a number of climate variables including rainfall, maximum and minimum temperature and evaporation, for each of the state's individual rainfall stations across the NRM regions.

The projections indicate a general trend of less rainfall, particularly in spring, and increasing temperatures.

The climate projection data is now available on the State Government Enviro Data SA website: <https://data.environment.sa.gov.au/Pages/Home.aspx>

Regional data summaries are available at: [www.goyderinstitute.org](http://www.goyderinstitute.org)

Project Case Study: C.1.1.1/2015



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The Goyder Institute for Water Research is a partnership between the South Australian Government through the Department of Environment, Water and Natural Resources, CSIRO, Flinders University, University of Adelaide and the University of South Australia.

