

Learn how NARClIM2.0 is helping people navigate climate change.

AdaptNSW



Understand local climate impacts.
Learn how NARClIM2.0 is helping people navigate climate change.

September 2024



AdaptNSW. Helping NSW adapt to climate change

Hello there,

On Tuesday 20th August, the Minister for Climate Change and the Environment Penny Sharpe, released the latest climate change projections for NSW to 2100.

Available at a 4km scale for south-eastern Australia, and 20km scale over Australasia, the NSW and Australian Regional Climate Modelling (NARClIM) 2.0 delivers NSW's most up-to-date and scientifically robust climate change projections to date.

The low and high-emissions climate change projections will provide critical information to support government, businesses and local decision-makers make informed decisions about climate variation and extremes into the future.

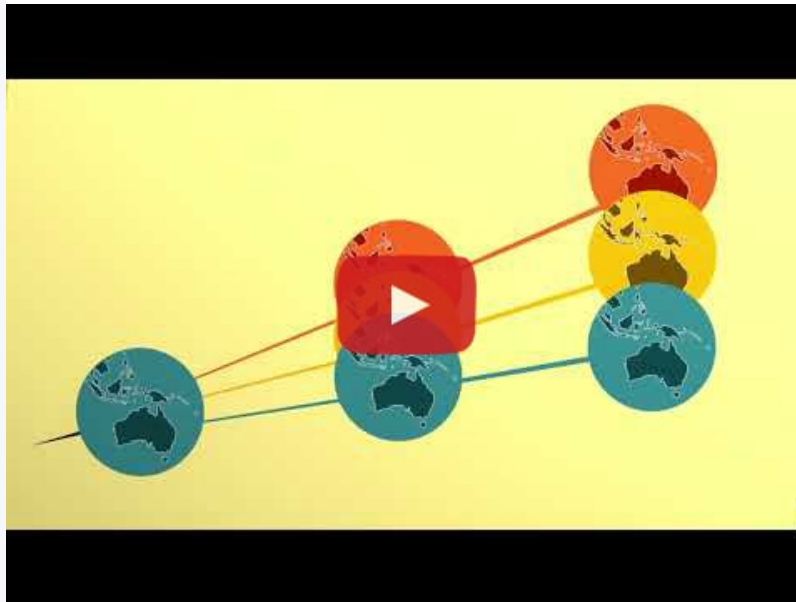
[Discover new climate projections for NSW](#)

NARClIM Case Studies

NARClIM is helping local communities adapt to climate change.

Explore this series of [case studies](#) following the journey towards effectively applying NARClIM data for a range

of sectors and climate adaptation planning and research activities.



[Watch videos about how to use NARClIM2.0](#)



Get a climate change snapshot for NSW and your local area

Climate change affects different areas differently. Find what your future climate may look like at a local or state-wide level by 2039 or later future (2060 - 2079).

[Visit regional climate change snapshots](#)

Want to learn how climate change impacts are affecting your local area?

[View the interactive climate projections mapper](#)

NARClIM2.0 at a glance

Projected Changes New South Wales

Low-emissions scenario

Average temperature increase

↑ **1.2°C**
2050

↑ **1.3°C**
2090



Hot days per year will increase by:
14.8 **15.9**
2050 2090



Cold nights per year will decrease by:
9.3 **10.6**
2050 2090



Severe fire weather days per year will increase by:
3.2 **3.5**
2050 2090

High-emissions scenario

Average temperature increase

↑ **2.0°C**
2050

↑ **4.0°C**
2090



Hot days per year will increase by:
23.1 **45.5**
2050 2090

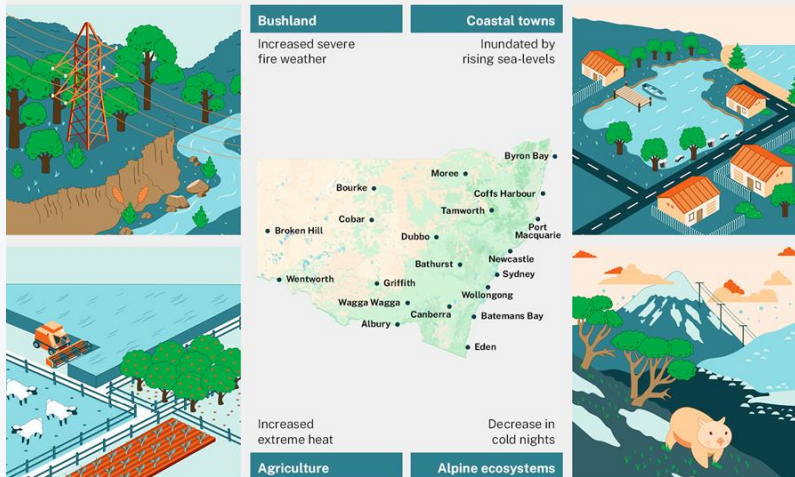


Cold nights per year will decrease by:
14.6 **24.1**
2050 2090



Severe fire weather days per year will increase by:
5.3 **9.4**
2050 2090

Regional impacts



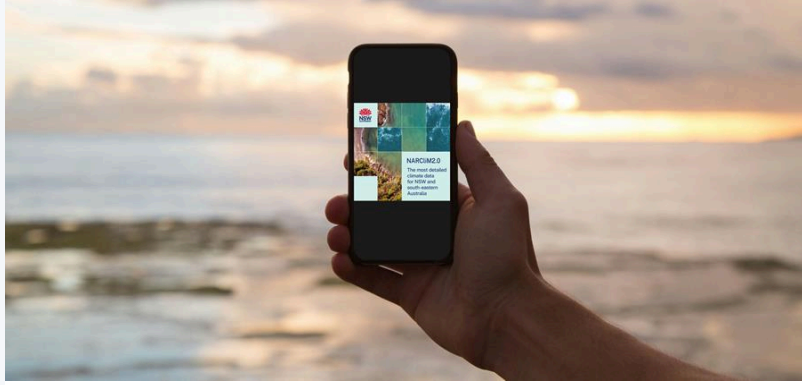
Data is based on NARClIM2.0 (2024) projections for SSP1-2.6 (low-emissions) and SSP3-7.0 (high-emissions) and is presented relative to the historical climate baseline of 1990-2009. The projections for 2050 represent averaged data for 2040-2059 and projections for 2090 represent averaged data for 2080-2099. Values presented are averages across the NARClIM2.0 model ensemble, and do not represent the full range of plausible climate futures. Regional climate change impacts are used to highlight how the region is likely to be affected by climate change, and impacts are not limited to the examples provided. Sea-level rise data is from the IPCC's Sixth Assessment Report and is presented relative to a baseline of 1995-2014.

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[Explore more on My Regions](#)

AdaptNSW Forum 2024 is coming.

[Register today](#)



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Mental health support

If you're feeling anxious about climate change, our page on [navigating eco-anxiety](#) is a useful resource to help understand the emotions you're feeling, and take action.

 [Forward](#)

Our mailing address is: Locked Bag 5022 Parramatta 2124

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