

Building NARcliM data

NARcliM data are designed and developed using world-leading science and methods coupled with stakeholder and user consultation. Each generation of NARcliM data are rigorously tested and quality assured making them the gold standard for regional climate modelling in Australia. As the science advances, our knowledge of the climate systems improves, and climate models are updated to incorporate this new information. Likewise, each new generation of NARcliM is built on the latest available science as well as ongoing user feedback to ensure scientific rigor and usability.

Inputs are defined by stakeholder and end-user needs, and obtained from highly reputable sources.



Feedback from stakeholders and end-users as well as scientific advancements play a critical role in informing the design of the next generation of NARcliM data.



A large selection of GCMs are evaluated and tested by our climate scientists for their accuracy in simulating the Australian climate, their statistical independence and climate diversity. They also select, configure, and test RCMs to perform the downscaling.



A series of simulations are run using the selected GCM-RCMs combinations following the CORDEX methodology as closely as technically feasible.



Following extensive review and testing, NARcliM data are released to end-users through the NSW Climate Data Portal and through accessible downstream products published on the AdaptNSW website.



End-users from sectors including government, business and higher education access and use the data and downstream products for a range of purposes including risk and vulnerability assessments, research, policy and decision-making.