

# Climate science informing adaptation solutions

The Climate Systems Hub is an applied science partnership of Australia's leading climate change research and decision-making agencies. Our research directly informs Australian decisions, policies and climate adaptation responses. We are advancing knowledge of our future climate and extremes. Together, we are helping to create a climate resilient Australia.

## The Climate System Hub strives to:



Enhance national climate resilience through collaborative research and support for practical on-ground climate change responses



Co-design research in partnership with researchers, practitioners, Indigenous Australians and decision-makers



Facilitate strong and respectful partnerships with Indigenous Australians.



Drive integrated climate adaptation research and activities across the National Environmental Science Program (NESP).

## The National Environmental Science Program (NESP)?

The Climate Systems Hub is one of four multi-disciplinary research hubs within the Australian Government's National Environmental Science Program (NESP). NESP provides decision-makers with the best available information to help them understand, manage and conserve Australia's environment. Each NESP hub delivers applied research and drives a cross-cutting initiative focused on key policy challenges.

## The four hubs and their associated initiatives are:

**Climate Systems**  
Climate Adaptation  
Initiative

**Marine and Coastal**  
Protected Place  
Management  
Initiative

**Resilient Landscapes**  
Threatened and  
Migratory  
Species and Threatened  
Ecological Communities  
Initiative

**Sustainable Communities and Waste**  
Waste-impact  
Management  
Initiative

## The Climate Systems Hub is delivering



### Science for decision-making

The Climate Systems Hub makes a significant investment in applied climate science and adaptation research. Our research themes deliver fundamental climate modelling capability, new understanding of climate processes and projections, and useable and accessible climate information for people and places.

Our team of state and territory hosted knowledge brokers work to ensure the hub's research and activities have real-world impact and application.

### Indigenous partnerships

The Climate Systems Hub values and commits to strong and respectful partnerships with Indigenous Australians. We are working with communities to bring traditional knowledge and western climate science to protect Country in the face of climate change. At the heart of this work are the principles of free, prior and informed consent, and Indigenous-led and co-designed protocols.



### Climate Adaption Initiative

The Climate Systems Hub coordinates the cross-cutting Climate Adaptation Initiative. The Initiative drives integrated research and activities to improve Australia's adaptive capacity and resilience in response to climate change. Current projects are looking at adaptation in World Heritage properties, regional case studies and understanding the enablers of successful adaptation.



[www.nesp2climate.com.au](http://www.nesp2climate.com.au)  
[info@nesp2climate.com.au](mailto:info@nesp2climate.com.au)

The Climate Systems Hub acknowledges the Traditional Custodians of the land on which we live, work across Australia. We pay our respects to Elders past, present, and future and recognise the important role traditional knowledge plays in understanding Australia's climate.

The Climate Systems Hub is funded by the Australian Government under the National Environmental Science Program, with co-investment from the following partners: