

Reflect on 2024 and discover fresh content to assist in your climate change adaptation journey

AdaptNSW



Get the facts. Take action. Create a resilient future.

December 2024



Hello there,

This year has been huge for adaptation in NSW. As we reflect on 2024, we'd love to hear from you. We're conducting a [pulse check](#) that invites you to provide your insights, to ensure we can keep delivering information, resources and tools to help you understand and assess your climate risk and adapt to climate change. Please take a moment to complete our [short survey](#).

This month, the Hon Penny Sharpe, launched the [Greater Sydney Heat Taskforce Programs' Greater Sydney Heat Smart City Plan](#). Read about this collaborative initiative to enhance heat resilience across Greater Sydney, as well as discover how you can manage the impacts of extreme heat and heatwaves.

We're thrilled to be able to share the recordings from the [AdaptNSW 2024 Forum](#), as well as a [new video](#) resource that summarises the extent of the NARClIM2.0 resources available on the AdaptNSW website.

We hope you enjoy your summer holidays and look forward to working with all our wonderful

collaborators for adaptation impact in 2025. Please get in touch if you're interested in working with us.

[Have your say, complete the AdaptNSW Pulse Check](#)

Looking back at 2024

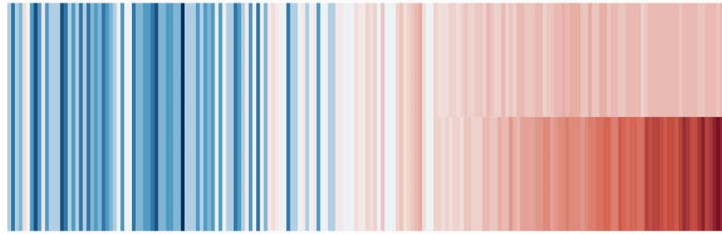


AdaptNSW Forum 2024

Themed "**deep understanding, bold action**", the 2024 Forum focused on climate change adaptation, bringing together specialists for 2 days of discussions, workshops, and networking. We were also thrilled to have Purpose Conference work with us, who provided their own unique brand of experiential content for our attendees.

Participants explored current climate challenges, science-based futures thinking, and came together to catalyse collective action for change. Catch up on the amazing content from the Forum, with videos of the sessions now available.

[Watch Forum videos](#)



NARClIM2.0 launch

In August, the NSW Government launched climate data at a 4km 'suburb scale'. We have now developed a [new video](#) that showcases the updated features and tools for NARClIM2.0 available on the AdaptNSW website. Find out how to locate fact sheets, explore case studies, or check out the latest projections.

NARClIM2.0 is now available



Release of Adaptation Action Plan

The NSW Climate Change Adaptation Action Plan 2025-2029, released in October 2024, is a whole-of-government plan with 46 actions led by 8 key agencies to be delivered over the next 5 years. Actions focus on addressing known climate change impacts and risks, enabling adaptation to prevent avoidable loss and damage, and building the foundation for future action.

[Read Adaptation Action Plan here](#)



Global Nature Positive Summit

The Global Nature Positive Summit was held on October 8-10, 2024, on Gadigal Country, Sydney, Australia. We developed an online resource to support the event. Learn more about how we're taking an integrated approach to climate and nature.

[View the online resource page](#)

Adaptation out there

[Register](#)

The [NESP Climate Systems Hub](#) have announced the [Climate Adaptation 2025 Conference](#) will be held in **Perth from 23-25 July**. The conference is focused exclusively on climate vulnerability, impacts and adaptation and provides an opportunity for people across all levels of government, industry and business, across a diversity of sectors, to come together to share knowledge and experience and strengthen the growing community of adaptation practice and research in Australia. A call for abstracts is now open. Find out more information and get your tickets for [Climate Adaptation 2025 here](#).



CLIMATE ADAPTATION 2025

Connecting knowledge, building resilience

WELCOME

The NESP Climate systems hub invite you to join us for Australia's next national adaptation conference to be held in Perth from 23 - 25 July 2025.

The conference is Australia's preeminent event focused exclusively on climate vulnerability, impacts and adaptation. It is an opportunity to share knowledge and experience, to network and strengthen the growing community of adaptation practice and research in Australia.

The program across three days includes plenary sessions focused on key voices, panel sessions and workshops addressing specific challenges and thematic sessions of delegate presentations.

We also offer a pre-conference day for early career professionals.

→ Register your EOI for early career researchers and practitioners to foey.watson@jcu.edu.au.

Join us for Climate Adaptation 2025 - an unmissable event helping Australia adapt to the future.



[REGISTER NOW](#)

[SUBMIT AN ABSTRACT](#)

CONFERENCE THEMES

- Cities, settlements & infrastructure
- Adaptation for natural systems, natural systems for adaptation
- Decisions & governance
- Tell it, talk it
- Social & economic dimensions of adaptation
- Adaptation in practice
- Understanding & assessing hazards & risk

2025 ORGANISING COMMITTEE

- **Barth Bouvier**, Climate Adaptation Initiative Lead, NESP, University of Tasmania
- **Larry Watson**, Program Manager, Climate Systems Hub, NESP, University of Tasmania
- **Wicky Tropfoida**, Managing Director, Eventful Projects

Learn



National Environmental Science Program

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Finding and understanding climate projections

Projections of future climate change are carried out using climate models. Using computer-based simulations of the Earth-ocean-atmosphere system, model runs produce scenarios of plausible futures.

Quicklinks:

- [How are emissions scenarios used in climate modelling?](#)
- [What climate change information should I use?](#)
- [What is the most use to date climate modelling?](#)

How are emissions scenarios used in climate modelling?

Climate models simulate climate change by gradually increasing the atmospheric concentrations of greenhouse gases and observing the effects on the model climate. Global efforts to produce climate projections rely on agreed pathways of how greenhouse gas concentrations might change in the future.

The Shared Socio-economic Pathways (SSPs) are the latest set of 'what if' scenarios used to explore the consequences of greenhouse gases accumulating in the atmosphere.

Explainer



[Understanding SSPs](#), Factsheet (PDF 185KB)



The [NESP Climate Systems Hub Learning Centre](#) is now live with resources tailored to those new to climate projections:

- Understanding SSPs
- Selecting the right climate change info (featuring NARClIM, AdaptNSW, and more)
- Navigating climate portals
- The latest in climate modelling

Perfect for stakeholders seeking to grow their climate science understanding! Explore the [NESP Climate Systems Hub Learning Centre](#) here.

Watch

The Upper Shoalhaven Landcare Council created a series of short online webinars on topics to help build heatwave preparedness across NSW and Australia. The series explores the needs of people, native biodiversity and farm animals in heatwave and hot weather conditions, with the goal of increasing the likelihood of community action, connection and preparation for future heatwaves. Watch the [Being Heatwave Ready Webinar Series](#) here.



Try it



Household Readiness Plan

Household Information



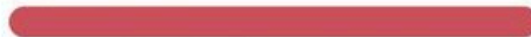
Leave Early



Stay



Evacuation



Supports, Services, Recovery



Prepare



www.carersnsw.org.au



Care2Prepare Household Readiness Toolkit is now available. The Care2Prepare project has been working with older people, people living with a disability or chronic health condition and family and friend carers to co-design inclusive disaster preparedness tools. The resulting [Household Readiness Toolkit](#) provides a tailored resource and process for understanding individual capabilities, delivering a practical plan to prepare for and respond to bush fire and flood. Explore [the tool kit here](#).

Read

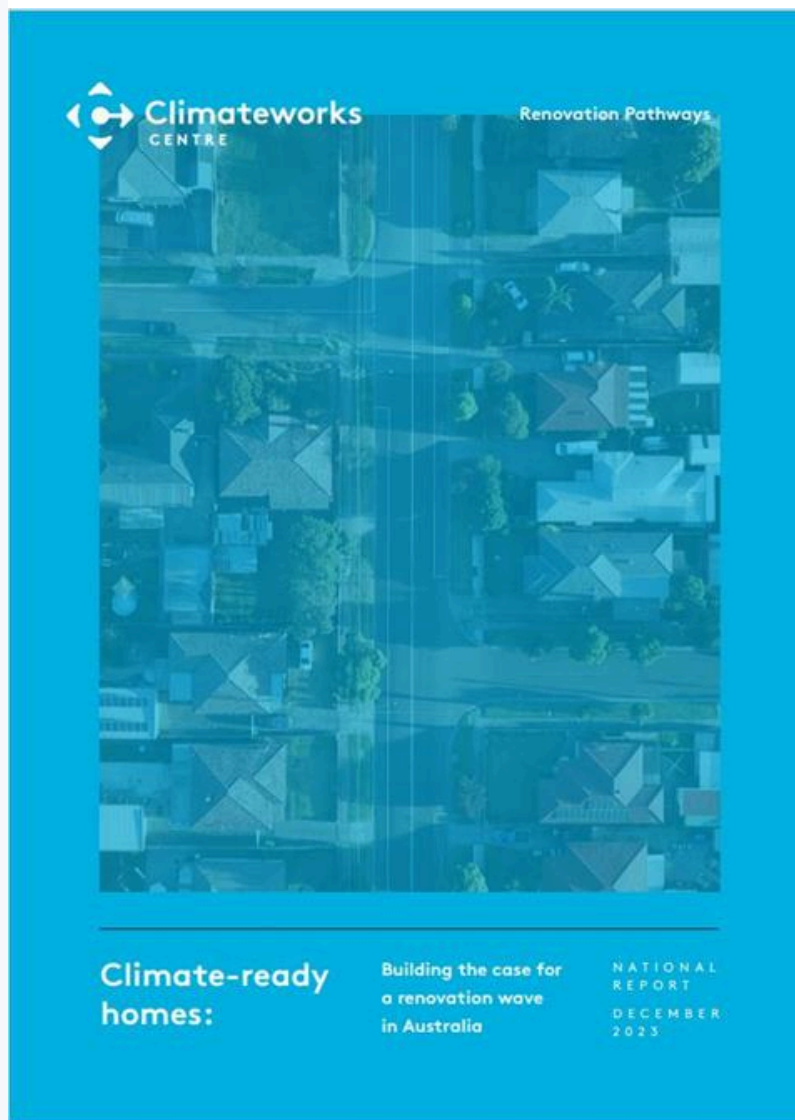
ClimateWorks has just released its latest report: Climate-ready homes: building the case for a renovation wave in Australia.

The report sets out the opportunities to decarbonise Australia's residential buildings sector through home energy performance upgrades.

It provides:

- Detailed data analysis into the housing typologies and upgrades opportunities, both at a national and jurisdictional level, and
- A comprehensive policy package to start an energy performance renovation wave and meet national climate targets and international climate commitments.

Read [the full report and its technical report here](#).





Adapt Land&Sea

The “Adapt Land & Sea: State-of-play” report provides an overview of the existing science and theory around biodiversity adaptation and the regulatory framework in which conservation management operates in Australia. The report summarises the state of play in online climate adaptation guidance and knowledge available for Australian biodiversity managers. It forms the background and rationale for the Climate Systems Hub Project, Adapt Land&Sea. Read the [Adapt Land & Sea: State-of-play report - NESP 2 climate here.](#)

 Forward

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