

NATURAL HAZARDS RESEARCH FORUM

ADELAIDE, NATIONAL WINE CENTRE OF AUSTRALIA, 18–20 JUNE 2025



Transformation to Be Ahead of Ready – using research to act big and bold

Sessions include presentations, panel discussion and interaction with delegates

Day 1: Wednesday 18 June 2025

#NHRF25

Time	Hickenbotham Hall
7:30am – 12:00pm	Pre-Forum workshop sessions (light breakfast)
12:00pm – 1:00pm	Lunch on arrival
1:00pm – 3:00pm	Forum opening including smoking ceremony. This session will be live streamed. Plenary session: keynotes and panels – critical issues and opportunities Iain MacKenzie, Chair Natural Hazards Research Australia Andrew Gissing, CEO Natural Hazards Research Australia Brendan Moon, Coordinator-General, National Emergency Management Agency Tiahni Adamson, Wildlife Conservation Biologist, 2024 Young South Australian of the Year
3:00pm – 3:30pm	Afternoon tea
3:30pm – 5:00pm	Plenary session: keynotes and panels. This session will be live streamed. Centre showcase – research impact
5:00pm – 5:30pm	Centre awards
5:30pm – 7:30pm	Networking drinks and nibbles

Program current as of 2 April and subject to change

*Day 2 and 3 on
the next pages* →

For more information and
details on how to register visit
naturalhazards.com.au/nhrf25
OR SCAN THE QR CODE



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Day 2: Thursday 19 June 2025

Time	Stream 1 – Hickenbotham Hall	Stream 2 – Exhibition Hall	Stream 3 – Gallery
7:30am – 8:45am	Workshops	Workshops	Workshops
9:00am – 10:30am	Research project presentations – Enhancing and adapting situational awareness Fire case studies Capturing uncertainty in bushfire spread prediction Identifying and defining landscape dryness thresholds for fires Parameterisation for a simplified short-range firebrand model from physics-based modelling	Research project presentations – Guiding future governance, strategy and leadership Foundations in Indigenous disaster resilience Evaluating the Resilient Homes Fund – Queensland and NSW Why fly? How do we know that aerial firefighting operations are effective and efficient? Operationalising Aboriginal land and sea management	Research project presentations – Planning for a resilient built environment Effectiveness of land-use planning flood controls on buildings Insights into temporary and emergency accommodation Strengthening energy networks to withstand severe wind and storms Safety of alternative and renewable energy technologies
10:30am – 11:00am	Morning tea		
11:00am – 12:00pm	Research project presentations – Enhancing and adapting situational awareness Flash flooding case studies to improve predictions and the communication of uncertainty Long-range flood outlook for strategic preparedness Flash flooding case studies to improve predictions and the communication of uncertainty	Research project presentations – Applying data science, technology and management Managing earthquake risk: unreinforced masonry building database Modelling impacts of natural hazards on interconnected infrastructure networks Creating resilient and sustainable critical infrastructure using evidence informed policy	Research project presentations – Supporting safe, capable and thriving workforces Best practice for tracking and responding to potentially traumatic event exposure Smoke exposure profiles of bushfire fighters in the south-west ecoregion of Western Australia Application of emotional intelligence in emergency management for improved trust building and decision making
12:00pm – 1:00pm	Lunch		
1:00pm – 3:00pm	Research project presentations – Workforce-leadership connections The human capacity demands of an emergency manager in Australia Emergency management volunteering: more than just words Healing country through Wolgalu/Wiradjuri-led land management Colonial load and cultural conflict Cultural land management research and governance in south-east Australia Panel	Research project presentations – Infrastructure – society connections Support integration of Recovery Capitals in service plans for communities with different levels of social disruption Natural hazards and resilience in complex urban systems Understanding intangible flood costs and impact Community risk assessment Heatwave resilience and impacts Panel	Research project presentations – Mitigation – adaptation connections Integrated solutions for bushfire-adaptive homes Conserving and reconnecting floodplains to mitigate flood risk Bushfire risk at the rural–urban interface – bushfire behaviour and mitigation strategies Nature positive disaster risk reduction solutions Panel
3:00pm – 3:30pm	Afternoon tea		
3:30pm – 5:00pm	Plenary session: keynotes and panels – learning local and global. This session will be live streamed. A/Prof Susanna Jenkins, Nanyang Technological University, Singapore Dr Richard Smith, Resilience to Nature’s Challenges, New Zealand Panel		
5:30pm – 7:30pm	Networking function		

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Day 3: Friday 20 June 2025

Time	Stream 1 – Hickenbotham Hall	Stream 2 – Exhibition Hall	Stream 3 – Gallery
7:30am – 8:45am	Workshops	Workshops	Workshops
9:00am – 9:45am	Plenary session: keynote – do governments trust communities? This session will be live streamed. Mark Duckworth PSM, Deakin University		
10:00am – 10:30am	Research project presentations – Enhancing and adapting situational awareness Communicating flood risk What makes a good fire simulator? Bushfire risk at the rural–urban interface – community-centred risk reduction	Post event utilisation workshop	Research project presentations – Enabling equitable community resilience First Nations women, cultural fire knowledge, wellbeing and memory Evaluation and monitoring for impact: developing a framework for risk prevention programs
10:30am – 11:00am	Morning tea		
11:00am – 12:00pm	Research project presentations – Enhancing and adapting situational awareness Predictions in public Awareness, education and communication for compound natural hazards Multi-hazard public information and warning platforms for the future	Post event utilisation workshop (continued)	Research project presentations – Enabling equitable community resilience Exploring the role of civic technologies in community decision making in the face of climate change and disaster An online cognitive-behavioural intervention for treatment of insomnia and nightmares in bushfire survivors Multi-agency collaboration in disaster recovery after bushfire
12:00pm – 1:00pm	Plenary session: Tropical Cyclone Alfred – lessons for Australia. This session will be live streamed. Panel		
1:00pm	Light lunch, Forum conclusion		

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PROGRAM

