



2026 UNSW Workshop on Risk and Actuarial Frontiers: Climate Risk & Insurance

Friday 22 May | 9am – 5pm
UNSW HTH Seminar Room

SUMMARY: The 2026 UNSW Workshop on Risk and Actuarial Frontiers: Climate Risk and Insurance will bring together UNSW experts and industry thought leaders to discuss a broad range of issues related to climate risk and insurance. The workshop is hosted by the School of Risk and Actuarial Studies at UNSW, in collaboration with the UNSW Innovations in Risk, Insurance and Superannuation (IRIS) Knowledge Hub, the UNSW Business Insights Institute (BII), and the UNSW Institute for Climate Risk & Response (ICRR). It will feature industry and research presentations, panel discussions, and networking opportunities for participants. Registration is free, but places are limited. We warmly welcome academics, research students, industry practitioners, and policymakers to attend.

DATE: Friday 22 May 2026

VENUE: Ground Floor UNSW HTH Seminar Room

CONTACT: Jinxia Zhu: jinxia.zhu@unsw.edu.au
Alan Xian: a.xian@unsw.edu.au
Paris Lome: p.lome@unsw.edu.au

PROGRAM:

8:30 – 9:00	Registration and Coffee
9:00 – 9:15	Welcome from Karin Sanders
Session 1 9:15 – 10:45	Climate Science, Modelling and Communication
Sanaa Hobeichi	Enhancing Climate Risk Quantification with AI
Patrick Laub	Natural Catastrophe Insurance Loss Modelling Under Cross-peril Dependence
Tim Raupach	Climate Modelling to Understand Severe Storms in a Warming World
Omid Ghasemi	Improving Climate Risk Understanding and Insurance Decisions through Behavioural Insights
Vaness Beenders	An Actuaries Institute Lens on Climate Risk: Insurance and Beyond through Collaboration
Matteo Malavasi	Transition Risk as an Opportunity for Green Connectivity in the Regions
10:45 – 11:15	Morning Tea
Session 2 11:15 – 12:30	Impacts of Climate Change
Rade Musulin	Geopolitical Risk and Climate Policy
Alison Drill	Natural Catastrophe Insured Losses in 2025
Chetan Dwivedi	A Widening Home Insurance Protection Gap: Implications for the Financial System
Bernard Wong	Dynamic Financial Analysis for General Insurers under Climate Change
Séverine Arnold	The Impact of Climate Change on Social Security Systems: An Extension of the DICE Model
12:30 – 13:30	Lunch (60mins) + Poster Session

Panel Discussion	The Intersecting Risks of Heat
-------------------------	---------------------------------------

13:30– 14:30

Fei Huang
Iyanoosh Reporter
Ramona Meyricke
Sarah Perkins-Kirkpatrick

Session 3	Climate Indices
------------------	------------------------

14:30 – 15:10

Rhys Whitley

Unlocking Climate Indices: Managing Risks for an Uncertain Future

Xi Lin

When the Heat is on: Where Australia’s Workers Face Greatest Risk

15:10 – 15:40

Afternoon Tea

Session 4	Pricing and Products
------------------	-----------------------------

15:40 – 16:50

Peiman Asadi

Integrating Climate Variables into Risk-based Insurance Pricing

Jonathan Barratt

Reducing Basis Risk in Agricultural Parametric Insurance through Artificial Intelligence

Francesca Kirby

Climate Risk and Cyclone Pool Premiums

Qihe Tang and
Ryan Dai

Pricing Carbon under the Emissions Trading System

Tobias Huber

Pricing Climate Risk: Hurricane Models and Home Insurance over the Last Two Decades

16:50 – 17:00

Workshop wrap up from Bernard Wong