



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

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Program

8:30 – 9:00 **Registration and Coffee**

9:00 – 9:15 Welcome from Karin Sanders

Session 1 **Climate science, modelling and communication**
9:15 – 10:45

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

Vanessa Beenders – An Actuaries Institute lens on climate risk: Insurance and beyond through collaboration

Matteo Malavasi - TBA

10:45 – 11:15 **Morning Tea**

Session 2 **Impacts of climate change**
11:15 – 12:45

Kate Lyons - TBA

Rade Musulin - TBA

Alison Drill – Natural catastrophe insured losses in 2025

Chetan Dwivedi – A widening home insurance protection gap: Implications for the financial system

Bernard Wong - TBA

Séverine Arnold - The impact of climate change on social security systems: An extension of the DICE model

12:45 – 13:45 **Lunch (60mins) + Poster Session**

Panel **The intersecting risks of heat**

Discussion

13:45 – 14:30

Fei Huang
Rai Ibaceta
Ramona Meyricke
Sarah Perkins-Kirkpatrick

Session 3

14:30 – 15:10

Climate indices

Nina Ridder – TBA
Xi Lin – When the heat is on: where Australia's
workers face greatest risk

15:10 – 15:40

Afternoon Tea

Session 4

15:40 – 16:50

Pricing and products

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 Dang – 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