



6th National Climate Impact, Risk and Adaptation Meeting

8 - 9 September 2026
Cloth Hall Court, Quebec St
Leeds LS1 2HA

#NCIRA2026

PROGRAMME OVERVIEW

FINAL PROGRAMME - Last update: 4 September 2026

Date	Time	Event	Location
Monday 7 September	17.00-19.00	University of Leeds in Action: <i>Gair Wood Tour</i> (https://leaf.leeds.ac.uk/gairwood/)	Meeting @ the Tetley Brewery (16.45-17.00) for bus ride to site (free of charge)
	19.00	Social event	Tetley Brewery (LS10 1JQ)
Tuesday 8 September	09.00-17.45	Conference Day 1	Cloth Hall Court, Quebec St, Leeds LS1 2HA
Wednesday 9 September	09.00-17.00	Conference Day 2	Cloth Hall Court, Quebec St, Leeds LS1 2HA



UNIVERSITY OF LEEDS



RMetS
Royal Meteorological Society



frontiers

Please contact: ncira@leeds.ac.uk with any questions.

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CONFERENCE PROGRAMME – DAY 1

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Time DAY 1 – Tuesday 8 September 2026

09.00-09.30	Registration
09.30-09.35	Welcome talk by Andy Challinor, University of Leeds The event will bring together the community to showcase research from climate science to community action, with a special session on the UK's Fourth Climate Risk Assessment & the Well Adapted UK report.
09.35-11.00	Session 1: Climate Models & Climate Futures <i>Chair: Maria Chara Karypidou</i>
Carol McSweeney	Highlighted Talk: From UKCP18 to UKCI: Towards a new package of UK Climate Information for national risk assessment and adaptation planning
Jennifer Pirret	Analysing projections of extreme events in the UK: two complementary approaches
Isabel Rushby	A new framework for understanding large-scale drivers of compound events
Rosanna Lane	Using a single model initial condition large ensemble (SMILE) to investigate potential changes in river flows and widespread floods across Great Britain
Selma de Brito Guerreiro	How (not) to use climate models for impact and adaptation
11.00-11.30	Coffee Break
11.30-13.00	Session 2: Water Risks <i>Chair: Hayley Fowler</i>
Bhuvanesh Srin	On the optical dense flow guided atmospheric river tracking for impact-based climate-risk assessment
Molly Asher	Decoupling rainfall and flood risk in a changing climate: Spatial variability in pluvial flood drivers
Cathryn Birch	UK-wide flood monitoring using satellites
Nicola Cannon	Living Roots, Rising Resilience: Soil Management for Climate and Flood Adaptation
David Dawson	Examining Tipping Points for Vulnerable Coastal Infrastructure
Louise Brett	Building Climate Resilience on Scotland's Railway: An Adaptation Pathways Approach
13.00-14.00	Lunch Break
14.00-15.30	Session 3: Nature & Agriculture <i>Chair: Amal Chakhar</i>
Emmanuel Udugbezi	Multiple spatial modelling tools and integrating analytic platforms for climate change impacts risk and opportunities assessment and adaptation planning
James Mollard	Identification of Metrics for a Continuous Assessment Framework of Weather and Climate Impacts on the UK Agri-Food Sector

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CONFERENCE PROGRAMME – DAY 1

14.00-15.30	Session 3: Nature & Agriculture <i>Chair: Amal Chakhar</i>
Zhou Xia	Structural dynamics and typological transitions of urban food system resilience in China: Coupling the ball-and-cup model with adaptive cycle theory
Anindita Sarkar	From Fixed to Adaptive Crop Calendars? Rethinking Rice Transplantation Regulation Under Climate Uncertainty: Evidence from Punjab, India
Leonard Döhl	Greenhouse gas fluxes and net ecosystem balance of carbon and nitrogen in regenerative agricultural systems
15.30-16.00	Coffee Break
16.00-16.45	Lightning Talk Session 1 (Posters accompanied by 1-minute talk*) <i>Chair: David Dawson</i>
Madeleine Timmins	1) A new framework for generating high-resolution UKCP18 weather files for future overheating assessment
Nina Fischer	2) Accounting for Climate Impact Uncertainty in Flood Modelling
Ruby Lieber	3) Health impacts of the Valencia floods in a forecast attribution framework
Charles Simpson	4) Estimating the effect of high indoor temperatures on mortality in England
James Mollard	5) State of the Climate for the UK Energy Sector 2024-25
Will Dow	6) Beyond Flood Hazard: Identifying Future Climate Risk Hotspots in Mobile, Alabama
Carly Reddington	7) Humid heatwaves in the UK: Meteorological drivers and health impacts
Pete Falloon	8) UK national climate-crop modelling capability (UKNCC) for food security monitoring and impact assessment
Sanola Sandiford	9) Modelling climate futures, impacts and adaptation options for indigenous communities in Greenland
Sam Barnham	10) Disentangling Dynamic and Thermodynamic Contributions to Future Changes in UK Rainfall and Flood-Relevant Extremes
Maria Chara Karypidou	11) Bias correction of the Euro-CORDEX ensemble for food safety impact modelling using the CDFt method
Neha Mittal	12) Bridging Science and Decision-Making: A Blueprint Approach to Climate Services in UKCI
Martin Parker	13) New approaches to the scale issue: Nonlinear averaging and its relevance for machine learning in climate impacts modelling
Ella Thomas	14) Future changes to African easterly waves and West African rainfall extremes in an ensemble of convection-permitting pan-African simulations
Kexin Geng	15) Scaling up co-produced climate information to meet the needs of other potential users
Kexin Geng	16) Factors influencing European organisations' use of climate information services
Jim Parker	17) Sensing Leeds – a city-wide network of environmental sensors

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CONFERENCE PROGRAMME – DAY 1

16.45-17.45	Poster Session 1 <i>Chair: David Dawson</i>
Georgie Mercer	18) Inter- vs Intra-Model Variability in CMIP6 Jet Stream Metrics
Stewart Jennings	19) Forecasting wheat yield from satellite-only data six months ahead of harvest
Qi Cheng	20) Rethinking Exposure Assessment in Urban Climate Risk Research
Zhiqiang Cui	21) Quantifying Aviation's Influence on UTLS Ozone Using WACCM and COVID-19 Emission Perturbations
Freya Garry	22) Building adaptation-orientated prototype climate information for the finance and humanitarian sectors
Matthew Calladine	23) Climate change impacts on wind-solar variability and renewable energy droughts in India
	End of Day 1
19.00 -	Dinner at Northen Market (12 Great George Street, LS1 3ED) (please note this event is not paid for)

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CONFERENCE PROGRAMME – DAY 2

Time DAY 2 – Wednesday 9 September 2026

09.00-09.30	Registration
09.30-10.00	Lightning Talk Session 2 (Posters accompanied by 1-minute talk*) <i>Chair: David Dawson</i>
Becky Carter, Shilpi Srivastava	24) Climate preparedness and the role of mid-level actors in Sussex
Eric Peterson	25) Adiabatic Cooling and the Water–Electricity Nexus: A Pathway to Net Zero and Resilient Cooling Systems
Dan Skinner	26) A large HadCM3B-ESM climate model ensemble for impact attribution
Alexander Chamberlain-Clay	27) Melting roads and buckling rails - using operational transport models for climate attribution and future risk to transport infrastructure
Ben Bradley	28) Top-down carbon monoxide emissions reveal the role of global climate modes in driving extreme fire in South America
Katie Hodge	29) Producing hourly future climate projections for the UK energy sector
Mawaddah Ghazali	30) Organisational Learning Pathways for Climate Adaptation in Flood-Prone Healthcare Systems
Helen Hanlon	31) Met Office Scalable Climate Services
Thomas Sloan	32) Gair Wood: A science-led approach to establishing a research woodland
Paula LM Gonzalez	33) Recipes for a named storm: Can storm development metrics inform the risk of significant impacts?
Andy Morse	34) Chasing Laplace's Demon in predicting weather-driven health risks or not?
Paula Gonzalez [Anna Whitford]	35) Identifying storm types from the Named Storms Catalogue
Louis Amos [Steve Dobbie]	36) Projections of compound stressors on food crop production
Ajay Bhawe	37) A climate narrative approach to explore uncertainty in future precipitation changes across a climate-transition zone in South-Eastern Africa
Xiaoru Zhang	38) Climate Change-Related Extreme Precipitation Risk in Mountainous Regions: A Case Study of a High-Impact Rainstorm Event in the Liupan Mountains, Northwest China

*Every Lightning Talk is also included in the poster session (and assigned a poster board to present the physical poster).



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CONFERENCE PROGRAMME – DAY 2

10.00-10.45	Poster Session 2 <i>Chair: David Dawson</i>
Wilson Chan	39) Storyline simulations to understand hydrological extremes under climate change
Rhidian Thomas	40) Introducing ReBASE: Reanalysis-Based Attribution and Storylines of Extremes
Dylan S Dearnaley	41) Rainfall, ground movement and landslides: the implications of climate change for the UK rail network
Raazia Gul	42) Who Disciplines Greenwashing? The Role of Institutional Investors and Sustainable Finance Regulation towards the Corporate Climate Commitments in Europe
10.45-11.15	Coffee Break
11.15-11.45	Keynote Talk: Sir John Battle – “Local to Global: Mobilising Research for the Climate Agenda” <i>Chair: Andy Challinor</i>
11.45-13.00	Session 4: Health & Humans <i>Chair: Carly Reddington</i>
Susanne Lorenz	Playgrounds of Possibility – a child-led approach to developing climate risk understanding and adaptive capacity
Kelli Kennedy	Weathering the Storm: Evidence on Climate Hazards, Mental Health Demand and System Resilience
Eunice Lo	Novel weather-health information for adaptation
Paola Sakai	Climate Vulnerability and the Determinants of Health: An Integrated Framework for Climate Justice in Leeds, UK
Megan McConochie	Climate-Resilient Health Systems: Perspectives for Low Resource Settings
13.00-14.00	Lunch Break
14.00-14.45	Session 5: Adaptation in Practice <i>Chair: James Mollard</i>
Cecina Babich Morrow	From climate risk to action: Analysing adaptation decision robustness under uncertainty
Shilpi Srivastava	Climate preparedness in a multi-hazard context: adaptation trajectories and institutional dilemmas in India and the UK
Hannah Bloomfield	Exploring Compound stress on the UK Energy sector
14.45-15.15	Coffee Break

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CONFERENCE PROGRAMME – DAY 2

15.15-16.15	Session 6: Climate Risk Assessment & Adaptation <i>Chair: Rich Betts</i>
Andy Challinor & David Dawson	Climate Risk Assessment in a Rapidly Changing World
Jason Lowe	Leading the UK's Fourth Climate Change Risk Assessment
Cristina Argudin Violante	Evidence and Authorship on a Climate Change Risk Assessment
Olivia Shears	Towards a Well Adapted UK
16.15-16.45	Panel Discussion: Speakers from session 6 along with additional representatives will be discussing the role and evolution of CCRA's and how to approach contributing to them. <i>Chair: Steering Committee</i>
16.45-17.00	Announcements and Concluding Remarks
	End of NCIRA 2026

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