ClearClimate
ENHANCING CLIMATE INFORMATION SERVICES

Workshop2 :

Decision support systems that integrate climate information, risk assessment, and adaptation planning (for extreme heat)

When: 10 April 2025
Venue: UNSPMF and Online LINK

Goals:
- ✓ Update on latest research on extreme heat at global to city scales
- ✓ Undertake rapid vulnerability and overheating risk assessments
- ✓ Evaluate the potential for AI to support adaptations to extreme heat

SPEAKERS

Gordana Kranjac-Berisavljevic
University of Development Studies
Ghana

Robert L. Wilby
Loughborough University
UK

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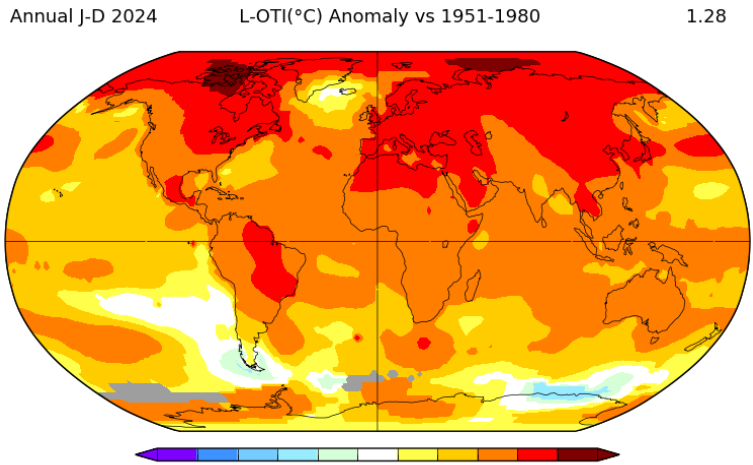
10 April 2025	
10.00-10.15	Registration
10.15-10.20	***Prof. Dr Biljana Basarin, UNSPMF*** Welcome note
10.20-11.00	***Prof. Dr Rob Wilby, Loughborough University UK*** Primer on global heat risks and urban impacts
11.00-11.30	Coffee break
11.30-13.00	***Prof. Dr Rob Wilby, Loughborough University UK*** Local heat vulnerability assessment Good Homes Alliance *Early Stage Overheating Risk Tool*
13.00-14.30	**Lunch break**
14.30-15.30	***Prof. Dr Rob Wilby, Loughborough University UK*** Using AI to support adaptations to extreme heat
15:30-16:00	***Prof. Dr Gordana Kranjac-Berisavljevic*** Facilitated group discussion of decision support tools



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This workshop (WS2) will provide a primer on the drivers and growing threats posed by **extreme heatwaves at global to city scales**. A case study from Ghana will show how mixed methods approaches are needed to gain a **holistic understanding of human health heat risks** and to evaluate the effectiveness of different adaptations at household scales. Through open discussion and hands-on exercises, participants will gain practical experience of undertaking a **heat vulnerability assessment** and use of an **overheating risk tool** for residential buildings. The workshop will also explore the extent to which **Artificial Intelligence (AI)** can provide **decision-support around adaptations to extreme heat**. The closing facilitated discussion will provide an opportunity to consider the strengths and weaknesses of the various decision tools covered.

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We look forward to welcoming you and to your active participation!
ClearClimate Team

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