

Part 1: Workshop: Cascading Impacts of Heat Waves | 3–4 September

Objectives:

1. mapping cascading patterns relevant for heat-health impact
 2. evaluating adaptation in the face of cascading impacts of heat waves
 3. developing research strategies for better understanding of cascading impacts of heat waves
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Thursday 3 September 2026

Evidence, Pathways, and Novel Findings

- 08:15 – 09:00 | Registration
- 09:00 – 09:15 | Welcome & Introduction
- 09:15 – 10:30 | **Direct effects** [Link to online meeting in Teams](#)
 - 09:15-09:30 | **Amen Al-Yaari** (Vrije Uni Brussels, VUB, Belgium) – Dry and humid heatwaves: an introduction.
 - 09:30-09:45 | **Simon Gosling** (Uni Nottingham, UK) – Quantifying and mapping urban vulnerability to heat extremes.
 - 09:45-10:00 | **Veronika Huber** (CISC Doñana Biological Station, Sevilla, Spain) – Heat-related hospital admissions – attribution to climate change and effectiveness of adaptation.
 - 10:00-10:15 | **Aleš Urban** (Czech University of Life Sciences, CZU, Prague) – Effectiveness of heat prevention plans in reducing heat-related mortality in Europe.
 - 10:15-10:30 | **Mahaveer Golechha** (Indian Institute of Public Health, Gandhinagar, India) – India's Heat Action Plan: A successful public health policy for extreme heat in the global south. *(online)*
- 10:30 – 11:00 | Coffee Break
- 11:00 – 12:30 | **Indirect effects** [Link to online meeting in Teams](#)
 - 11:00-11:15 | **Anna Dimitrova** (PIK, Germany) – Extreme heat and maternal and child health in low-resource settings.
 - 11:15-11:30 | **Simon Gosling** (Uni Nottingham, UK) – Water scarcity: combining availability and quality to understand risks to human health.
 - 11:30-11:45 | **Joaquin Trinanes** (NOAA, USA) – From ocean warming to human health: the emerging risk of vibriosis. *(online)*
 - 11:45-12:00 | **Iain Lake** (Uni of East Anglia, UK) – Predicting and adapting to future water and food-borne disease challenges. *(online)*
 - 12:00-12:15 | **Victoria Cox** (Imperial College London, UK) – Climate extremes and mosquito-borne diseases: using infectious disease modelling to understand historic transmission patterns and future risks. *(online)*
 - 12:15-12:30 | **Seyma Celina** (CZU, Prague) – Climate change and *Hyalomma marginatum* redistribution: one health implication for Europe.
- 12:30 – 13:30 | Lunch break

- 13:30 – 15:00 | **Geopolitical and economic cascades** [Link to online meeting in Teams](#)
 - 13:30 -13:45 | **Wim Thiery** (VUB) – Intergenerational inequality in climate impacts. *(online)*
 - 13:45-14:00 | **Aiswarya Thazhissery Pavanan** (Uni Hamburg, Germany) – The impact of extreme heat on learning outcomes.
 - 14:00-14:15 | **Jacob Schewe** (PIK) – Climate change, heat, and human migration.
 - 14:15-14:30 | **Kristian Nielsen** (WEMC, UK) – Impact of concurrent climate hazards on electricity production. *(online)*
 - 14:30-14:45 | **Cristina Deidda** (VUB) – Heatwaves and the TEN-T Network: current Impacts and future exposure of transport infrastructure.
 - 14:45-15:00 | **Marta Ellena** (CMCC, Italy) – From global frameworks to local action: Heat Adaptation Policies across International and EU contexts
- 15:00 – 15:30 | Coffee Break
- 15:30 – 17:00 | **Poster Session**
 - **Pablo Medin Cerrado** (University of Cantabria, Spain) – Geospatial distribution of amyotrophic lateral sclerosis in Spain and Chile: The role of environmental factors in ALS pathogenesis.
 - **Saratupa Ghosh** (International Institute for Population Sciences, Mumbai, India) – From exposure to experience: investigating the environmental context of menopause in India through spatial, epidemiological and qualitative lenses.
 - **Ahmet Cilek** (Cukurova University, Adana, Türkiye) – Urban green spaces as PM₁₀ sinks under mediterranean biometeorological conditions: Integrating field monitoring, GIS, and i-Tree eco modeling in Adana, Türkiye.
 - **Muge Unal Cilek** (Firat University, Elazığ, Türkiye) – Air quality as a dynamic indicator of quality of life: evidence from a coastal Cittaslow Municipality in İzmir, Türkiye
 - **Gamil Gamal** (Slovak Academy of Sciences) – Identifying extreme temperature hotspots in the Northern Carpathians, Slovakia: Implications for public health.
 - **Tanvi Dhadwal** (NIHR Global Health Research Centre for Multiple Long-term Conditions, India) – Estimating the economic burden of heat-attributable illness in urban India: a climate–health cost-of-illness framework.
 - **Hajar Oukabli** (University of Alicante/Doñana Biological Station, Sevilla, Spain) – Satellite-based monitoring of Cyanobacterial blooms in Spanish reservoirs: linking climate change to human health risks.
 - **Lea Kreyenbaum** (University of Gothenburg, Sweden) – Correlation between heat exposure and perinatal depression in Nepal: a case-crossover study.
 - **Chandana Ravikumar** (Charles University, Prague) – Towards net-zero manufacturing: sustainable metal processing for planetary and human well-being.
 - **Anmol Chaure** (CZU, Prague) – Exploring zoonotic pathogens seasonality across the EU.
 - **Ekaterina Borisova** (CZU, Prague) – Synergistic health effects of temperature and air pollution: a continental-scale European study.
 - **Falak Naz** (CZU, Prague) – The impact of population ageing on temperature-related mortality projections in the Czech Republic.
 - **Sonjib Chakraborty** (CZU, Prague) – Links between short-term weather variability and dengue incidence in São Paulo, Brazil.

19:00 | Dinner/Social event – Restaurant Kulaták, Vítězné náměstí 820/12 | Praha 6



Friday 4 September 2026

Brainstorming, Tools, and Future Strategy

09:00 – 12:30 | Brainstorming Session – group activities

9:00-9:30 | introduction

1. mapping cascading patterns relevant for heat-health impact
 - flip chart, identify/map the patterns, main risks etc
2. evaluating adaptation options in the face of cascading impacts of heat waves
 - proposing adaptation measures
 - **what are the possible adaptation measures?**
 - **what are the possible research approaches?**
 - **what are the research gaps?**
 - **what kind of data is needed/available/missing?**
3. developing research strategies for better understanding of cascading impacts of heat waves
 - wrap up of Session 2 => potential research framework, follow up collaboration(s) – review papers, commentaries, new analyses

12:30ish | official closing of the workshop and lunch

14:00 – 17:00 | CZU campus tour

Part 2: Field Trip | Saturday 5 September 2026

Vladka Kirschner (Architect, CZU)

- Prague tour focusing on smart solutions in urban planning
 - More info to be provided during the workshop
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Part 3: Training School | 7–9 September