



«Beating the Heat 2024» Conference Programme

Time	Topic	Room (see below)
08:30 – 09:15	Door opening, Reception	Fab 6 Foyer
09:15 – 09:30	Welcome Speech Organizing Committee	Fab 6 Room 104
09:30 – 10:00	Keynote Speech 1 <i>Title tba</i> Vincent Roth (BAFU)	Fab 6 Room 104
10:00 – 10:30	Keynote Speech 2 <i>Evaluating the effectiveness of urban heat mitigation measures: Insights from Bern and Zurich</i> Moritz Burger (Uni Bern) & Julien Anet (MeteoSwiss)	Fab 6 Room 104
10:30 – 11:30	Coffee & Posters	Fab 2e Foyer
11:30 – 12:30	Parallel Session 1 Presentations & Discussions	Fab 2e Rooms 001, 101, 103
12:30 – 13:30	Lunch break	individual
13:30 – 14:00	Keynote Speech 3 <i>Title tba</i> Thies Brunken (uniola)	Fab 6 Room 104
14:00 – 15:00	Parallel Session 2 Presentations & Discussions	Fab 2e Rooms 001, 101, 103
15:00 – 16:00	Coffee & Posters	Fab 2e Foyer
16:00 – 16:15	Wrap-up & Closing Organizing Committee	Fab 2e Foyer

Talks in Parallel Session 1

Mitigation & Impacts: Room 001 (Fab 2e)		
Time	Author(s)	Topic
11:30 – 12:00	Matthias Sammer et al.	HeatMon: Monitoring, adapting and mitigating heat stress
12:00 – 12:30	Sujung Lee et al.	Individual vulnerability profiles to heat-related hospitalisations: A case time series analysis of older adults in Switzerland from 2019 to 2022
Monitoring & Measurements: Room 103 (Fab 2e)		
Time	Author(s)	Topic
11:30 – 12:00	Julie Fahy et al.	Beyond land surface temperature: identifying areas of thermal discomfort in cities by combining remote sensing and field measurements
12:00 – 12:30	Nicolas Zurfluh et al.	Enhancing the accuracy of „low-cost“ urban air temperature sensor networks
Modelling & Simulations: Room B105 (Fab 2e)		
Time	Author(s)	Topic
11:30 – 12:00	Kutay Dönmez et al.	Enhanced Urban Climate Simulations in ICON TERRA_URB
12:00 – 12:30	Michael Schmutz et al.	Model based evaluation of architectural heat mitigation strategies

Talks in Parallel Session 2

Mitigation & Impacts: Room 001 (Fab 2e)		
Time	Author(s)	Topic
14:00 – 14:30	Sarah Koch et al.	Addressing Intersecting Crises: Climate, Housing, and Compounding Health Vulnerabilities for Senior Tenants
14:30 – 15:00	Cristian Martucci et al.	Heat-specific health literacy in the population aged 50+ in Switzerland
Monitoring & Measurements: Room 103 (Fab 2e)		
Time	Author(s)	Topic
14:00 – 14:30	Elisabeth Tadiiri et al.	ACTUAL - Advancing research on extreme humid heat and health: An observational panel study of weather conditions on the physiology of the general adult population in Basse, The Gambia
14:30 – 15:00	Stefan Stevanovic et al.	Sustainable Urban Development: The Roadway Enclosure and Its Contribution to the Urban Forestry
Modelling & Simulations: Room B105 (Fab 2e)		
Time	Author(s)	Topic
14:00 – 14:30	Franziska Stahl et al.	Simulation of cold air streams ventilating Winterthur - Neuhegi
14:30 – 15:00	Giacomo Falchetta et al.	Systemic Cooling Poverty: quantifying deprivation in the Global South

Posters

Mitigation & Impacts: Foyer (Fab 2e)	
Author(s)	Topic
Gabriel Hannes Weber	Hydrogel in Substrate
Julian Raffetseder & Noa Levin	Governing Access to Sun and Shade: Urban Microclimates as Commons in Vienna and Berlin
Evan de Schrijver et al.	Heat- and Cold-related Mortality Impacts Under Future Scenarios of Climate Change and Urbanisation in Switzerland
Nils Tinner et al.	Bernometer - an interactive application to raise public awareness about urban heat stress
Daniela Friebel et al.	Perceived thermal comfort and subjective effects of climate-adapted urban design: a cognitive heat mapping approach in the city of Bern
Monitoring & Measurements: Foyer (Fab 2e)	
Author(s)	Topic
Lukas Meyer et al.	Combining topographic data and live station measurements for spatial interpolation of urban air temperatures
Setareh Amini & Stefan Brönnimann	Data Gathering and Quality Control of Urban Temperature Networks: a European Perspective
Modelling & Simulations: Foyer (Fab 2e)	
Author(s)	Topic
Jixuan Chen et al.	Modelling pavement watering to support city-wide planning of heat mitigation measures
Meinolf Kossmann	Hectometre-scale urban climate projections of thermal indices for Cologne and Leverkusen using dynamical-statistical downscaling
Guo-Shiuan Lin & Gabriele Manoli	Daily and seasonal mobility modifies population heat exposure
Antonia Lina Burger & Nico Bader	Beating the rising energy consumption of buildings by adaptation strategies in a changing climate
Moritz Burger et al.	Spoilt for Choice - Intercomparison of Four Different Urban Climate Models
Alonso Bussalleu et al.	Modelling Europe-wide fine resolution daily ambient temperature for 2003-2020 using machine learning

Venue & Rooms

