«Beating the Heat» 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 103
09:30 – 10:00	**Keynote Speech 1** *The chicken or the egg? Urban Heat, inequalities, and health* Ana Vicedo (Universität Bern)	Fab 6 Room 103
10:00 – 10:30	**Keynote Speech 2** *Multi-scale monitoring of heat exposure in cities* Andreas Christen (Universität Freiburg i.B.)	Fab 6 Room 103
10:30 – 11:00	Coffee break	Fab 8 Cafeteria
11:00 – 12:15	**Parallel Session 1 (see below)** Presentations & Posters	Fab 8 Rooms B103, B104, B105
12:15 – 13:30	Lunch break	
13:30 – 14:45	**Parallel Session 2 (see below)** Presentations & Posters	Fab 8 Rooms B103, B104, B105
14:45 – 16:00	**Parallel Session 3 (see below)** Presentations & Posters	Fab 8 Rooms B103, B104, B105
16:00 – 16:30	Coffee break	Fab 8 Cafeteria
16:30 – 17:00	**Keynote Speech 3** *An overview on different methods of high-resolution air temperature downscaling* Sebastian Schlögl (meteoblue AG)	Fab 6 Room 103
17:00 – 17:15	**Wrap-up & Closing** Organizing Committee	Fab 6 Room 103

Talks in Parallel Session 1

Impacts & mitigation: Room B103 (Fab 8)		
Time	**Author**	**Topic**
11:00 – 11:20	Marc Vonlanthen HEFR	Demonstration pavilion for microclimate mitigation measures
11:20 – 11:40	Jonas Schwaab ETH Zürich	Beating the heat by taking urban form into consideration
Measurements & monitoring: Room B104 (Fab 8)		
Time	**Author**	**Topic**
11:00 – 11:20	Moritz Gubler Universität Bern	Intercomparison and combination of low-cost urban air temperature measurement approaches
Simulations & modelling: Room B105 (Fab 8)		
Time	**Author**	**Topic**
11:00 – 11:20	Anurag Dipankar ETH Zürich	On the applicability of urban canopy parameterization in building grey zone
11:20 – 11:40	Nico Bader Meteoblue	Urban high-resolution temperature downscaling based on satellite imagery, weather station data and NWP model data

Talks in Parallel Session 2

Impacts & mitigation: Room B103 (Fab 8)		
Time	**Author**	**Topic**
13:30 – 13:50	Evan de Schrijver Universität Bern	Exploring vulnerability to heat and cold across urban and rural populations in Switzerland
13:50 – 14:10	Farman Ullah Universita' del Piemonte Orientale	Heatwave Risk Perception and Emotions - Preliminary Results of a Cross-sectional Study in Pakistan
Measurements & monitoring: Room B104 (Fab 8)		
Time	**Author**	**Topic**
13:30 – 13:50	Julien Anet ZHAW	Radiation-correction of low-cost temperature stations in an urban context
Simulations & modelling: Room B105 (Fab 8)		
Time	**Author**	**Topic**
13:30 – 13:50	Saskia Buchholz DWD	Impact of green roofs on urban climate (ADAM Project)
13:50 – 14:10	Aytaç Kubilay ETH Zürich	Impact of mitigation measures for urban heat islands during heat wave conditions: Case study in Münsterhof, Zürich, using a coupled multiscale model

Talks in Parallel Session 3

Impacts & mitigation: Room B103 (Fab 8)		
Time	**Author**	**Topic**
14:45 – 15:05	Matthias Roth National University of Singapore	Urban climate change considerations for Singapore
15:05 – 15:25	Benjamin Flückiger Swiss TPH	Assessment of the temperature-mortality association in Switzerland based on individual death records and daily air temperature at a fine spatial resolution
Measurements & monitoring: Room B104 (Fab 8)		
Time	**Author**	**Topic**
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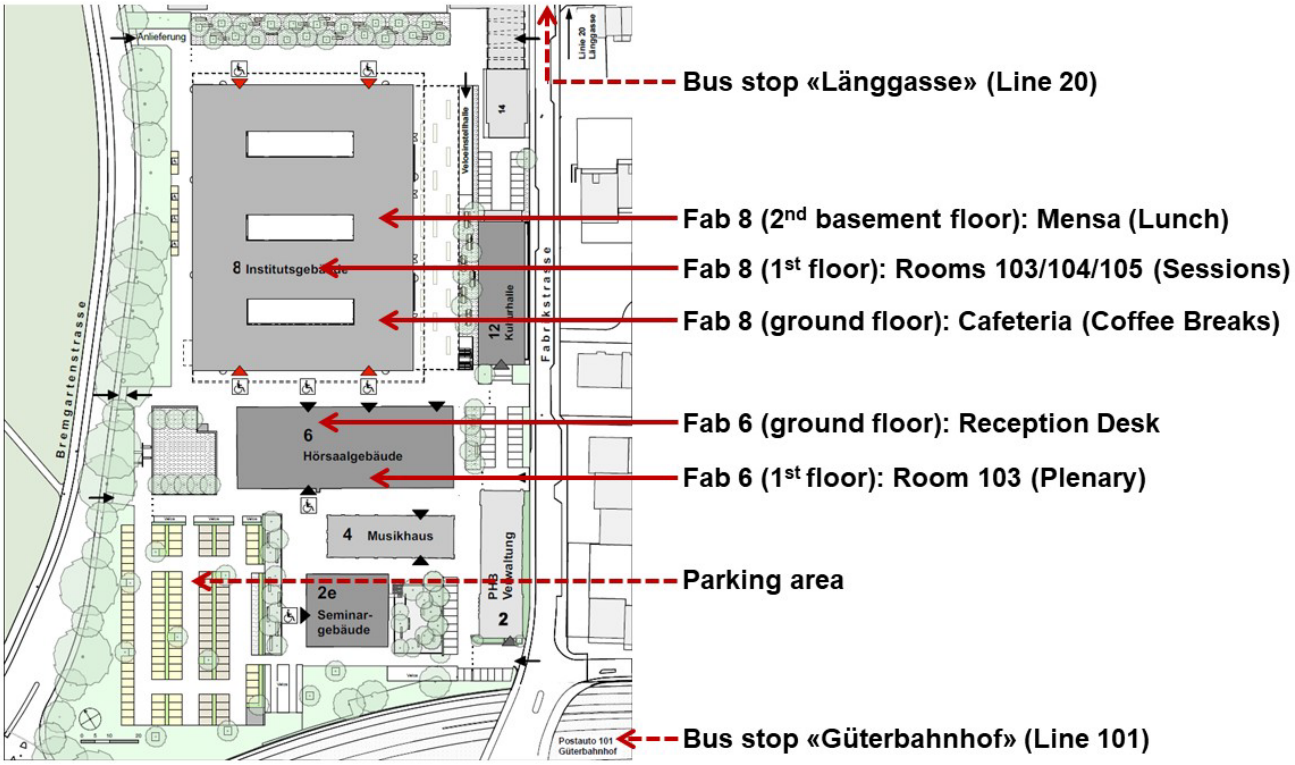
Simulations & modelling: Room B105 (Fab 8)		
Time	**Author**	**Topic**
14:45 – 15:05	Heinke Schlünzen Universität Hamburg	Canopy Layer Urban Heat Island – an urban induced feature in regional temperature patterns
15:05 – 15:25	Michael Schmutz Meteotest	Urban heat analysis - from meso to micro scale

Conference Venue and Rooms



Poster Sessions 1/2/3

Impacts & mitigation: Room B103	
Author	**Topic**
Christoph Kestenholz Emch+Berger	Excess Mortality in 8 Swiss Cities during the Summers 1947, 2003, 2015 and 2018
Saskia Drossaart van Dusseldorp ZHAW	Assessing the heat mitigation potential of a water misting system in the city of Zurich
Vanessa Rippstein Universität Bern	Trends in Tropical Nights and their Effects on Mortality in Cantons and Cities of Switzerland
Coral Salvador Universität Bern	Vulnerability to heat exposure and cardiovascular events in adults in the city of Madrid
Saba Baer Universität Bern	Student Research for an Improved Urban Climate
Moritz Gubler Universität Bern	Assessing the effectiveness of urban heat mitigation measures
Measurements & monitoring: Room B104	
Author	**Topic**
Viktorija Mangaroska International Balkan University	Climate Resilient Strategies and Green Sustainable Development Measures in the City Skopje, North Macedonia
Jianquan Dong Peking University	Global station-based daily maximum wet-bulb temperature dataset
Stefan Brönnimann Universität Bern	FAIR NEtwork of micrometeorological measurements (FAIRNESS)
Simulations & modelling: Room B105	
Author	**Topic**
Meinolf Kossmann DWD	Numerical simulation of summertime heat islands and nocturnal ventilation by drainage winds in Aschaffenburg, Germany
Ferdinand Briegel Universität Freiburg i.B.	Modelling mean radiant temperature in complex urban areas using a convolutional network approach
Birgit Stützl ETH Zürich	Identifying local heat hotspots in Zurich - an urban morphology study
Annkatrin Burgstall MeteoSwiss	New heat scenarios for Swiss cities
Sidharth Sivaraj Universität Bern	The role of humidity in heat stress from a causal perspective
Curdin Spirig ZHAW	Discussing the applicability of complex simulations for urban planning problems
Moritz Burger Universität Bern	Modeling nocturnal urban air temperature fields at a daily basis
Moritz Burger Universität Bern	Where can we cool down? Chasing the urban heat in Bern with different methods
Saeid Ashraf Vaghefi Universität Zürich	Compound day and night heatwaves in Swiss cities will be longer and more frequent in the future