SYMPOSIUM ON CHALLENGES IN APPLIED HUMAN BIOMETEOROLOGY

at Albert-Ludwigs-University Freiburg


Location
at Albert-Ludwigs-University Freiburg

Organizer
Chair of Environmental Meteorology, Albert-Ludwigs-University Freiburg

in collaboration with
Research Centre Human Biometeorology, German Meteorological Service, Freiburg

Society for the Promotion of Human Biometeorological Research in Germany

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https://www.historisches-freiburg.de/innenstadt/bauwerke/haus-zur-lieben-hand/
Increased exposure to heat stress due to climate change has stimulated new emerging developments in fundamental and applied human biometeorology. Fanger’s Book was a historical milestone concerning the physically-based treatment of thermal comfort in different environmental and human related disciplines. By the end of the seventies, new approaches concerning the effects of the atmospheric environment on humans esp. in urban areas and the development of maps were established. Since then, biometeorology has grown into a process-oriented field, combining medicine, meteorology, climate change and climate impacts. Heat waves, development of heat health warning systems to protect humans in different spatial and temporal dimensions were the focus of many approaches and studies. New numerical modelling tools, new data sources (e.g. crowdsourcing) and statistical techniques promise that we progress towards predicting the complex interactions of humans and their environment. The aim of the symposium is to setup and scout new directions and possibilities for future research trajectories and applications in human biometeorology.