



Heat-Related Mortality in the Context of Climate Change

Susanne Breitner-Busch

(Institute of Epidemiology, Helmholtz Munich)

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Climate change has a significant impact on human health, especially through heat exposure. Human-induced climate change is expected to increase the overall air temperature, as well as the intensity and frequency of extreme heat events. This will severely affect people's health, as high ambient temperatures and heat waves have been linked to various health outcomes, including mortality. In this presentation, Susanne Breitner-Busch will provide an overview of the (statistical) methods used in environmental epidemiology to quantify the heat-related mortality burden, its attribution to human-induced climate change and future health impact projections. These include time series regression with distributed lag non-linear models, health impact assessment, detection and attribution, or future impact projections.

Biography:

Susanne Breitner-Busch is a senior scientist at the Chair of Epidemiology, Institute for Medical Information Processing, Biometry, and Epidemiology, LMU Munich. She is also a guest senior scientist at the Institute of Epidemiology at Helmholtz Munich. She received a Ph.D. in Statistics from the LMU Munich. Her research interests are on the intersection of weather/climate change, air pollution, and human health.