



Global flood risk under a changing climate

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This session focuses on data, methodologies and models available to develop a global probabilistic flood/drought risk model based on stochastic precipitation and temperature simulations. We will introduce a new framework to compute flood/drought risk and compare this approach with other currently used methodologies. We will explore the spatial and temporal correlations present in historical data as well as the contributions of tropical cyclone precipitation to the overall risk. Based on the analysis of current flood/drought risk the authors will give an outlook how this newly developed framework can be used to quantify the impacts of climate change on weather related risks.