



SHORT BIOGRAPHY

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Climate variability and land use changes affect karst water resources and their water quality. Andreas Hartmann's research focuses on the assessment of water resources in karst regions at various scales using novel simulation approaches and model evaluation schemes. Nontypically for a modeler, he also performs experimental field research and incorporates hydrological and hydrochemical information into his modelling approaches to achieve a high degree of process representation to increase their reliability for future projections of climate and land use changes.

Andreas did his PhD in 2013 at Freiburg University before he moved to the United Kingdom (University of Bristol) and Canada (McGill University) for his postdoc. His work as an early career scientist has been awarded the Young Karst Researcher Prize of the International Association of Hydrogeologists, the Jim Dooge Award for the best publication in 2012 in the Journal Hydrology, and the Earth System Sciences and the Groundwater Research Prize of the City of Dresden.

Since 2017, Andreas is an Assistant Professor and head of his own lab "Hydrological Modeling and Water Resources." As the principal investigator of a €1.5M. research project founded by the German Research Foundation, he and a team of four researchers are estimating the risk of water stress in karst regions around the globe under changing environmental conditions. Apart from developing improved modelling approaches that can be applied on larger scales, the project includes a global karst monitoring program with study sites in Australia, Germany, the UK, Spain and Puerto Rico.