



Observations in Water Resources

Guest Editor:

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Message from the Guest Editor

Hydrological and meteorological point observations build the basis of essential information for planning water resources and, at the same time, also provide evidence for changes in the water cycle due to climate change. However, these observation networks are decreasing globally. In recent decades, alternative data sources and methods have become available. Increased availability of remote sensing-derived products on hydrometeorology, improvements in the spatiotemporal resolution of hydrological models, and advances in parameter calibration or hydrological information systems have advanced the information basis for water resources management. In the context of “Observations in Water Resources”, this Special Issue seeks contributions reflecting these novel aspects. These can range from gap-filling, regionalization, and interpolation methods of meteorological variables, hydrological information systems, remote sensing or re-analysis products used in hydrology and water management, or the spatiotemporal development of observation networks for single countries, regions, or globally. Additionally, innovative methods for the estimation of water demands are also welcome.

