Special Issue

Observations in Water Resources

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.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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