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Insights into Hydrological Forcings: New Modelling Challenges and Monitoring Opportunities

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Message from the Guest Editor

Improved understanding of hydrological processes and their resulting loads on water infrastructure play a crucial role in facing the challenges associated with environmental change and the implied uncertainty and risks to our society. In recent years, great advances have been made in the development of new monitoring systems and modelling approaches to support the estimation and prediction of hydrological variables. However, reliable quantitative analysis methods are still lacking due to the complexity and large variability of hydrological processes at multiple spatial and temporal scales. As hydrological analysis and modelling heavily rely on data records, there exists a need of careful investigations to form reliable inferences based on reliable observations. In this Special Issue, we welcome original research papers focusing on monitoring and modelling hydrological forcings with an emphasis on:

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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