

Special Issue

Assessing and Managing Risk of Flood and Drought in a Changing World

Message from the Guest Editor

A substantial part of the world population is particularly vulnerable to natural disasters, especially flood and drought. It is obvious that climate change accelerates the risk of flood and drought in the days to come. During the last few decades, researchers have revealed that there are significant relationships between this risk and the human-induced changes and socioeconomic distributions. Hydrology and water resources require a paradigm shift because the variabilities of flood and drought are beyond the range of previous variabilities and result in negative impacts on water, humans, and the ecosystem. It is challenging to consider the negative factors influencing risk because they are often hard to quantify or digitize (e.g., changed rainfall pattern, distorted river flow regime, and altered groundwater recharge). Therefore, this Special Issue aims to compile and discuss academic and engineering research results on quantitative measurements and assessments of the flood and drought risk in a changing world. [...] For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/flood_drought

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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