

Special Issue

Integrated Approaches to Manage Floods in Urban Environments

Message from the Guest Editors

Many cities are currently revisiting their urban flood risk management strategy. There is a shift in focus from reacting to and preparing for singular extreme events to (also) anticipating trends in these types of events. This long-term focus is inherently coupled with large uncertainties as we are uncertain about how physical (climate change) and economic conditions will change, what research and innovation will bring, how societal preferences will develop, etc. Moreover, long lead times of flood protection infrastructure and transformative change of urban infrastructure are prompting (city) governments to consider the long-term horizon. In this Special Issue, we will address these challenges of taking a long-term perspective, assuming that climatic conditions will drastically change in the future. We would also like to receive contributions on the opportunities arising from an alignment or integration of preparedness and prevention. What is needed for its implementation in cities?" In summary, with this Special Issue, we hope to share international experiences and explore challenges and opportunities of an integrated, anticipatory urban flood risk management strategy.

Guest Editors

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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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