

Special Issue

Challenges and Sustainability of Water Sensitive Cities

Message from the Guest Editor

The consequences of climate change with more extreme weather events. These negative effects are especially enhanced in fast-growing urban areas. Hence, efforts are being made to maintain the natural local water balance and to adapt to climate change in urban areas with the help of decentralized stormwater management.

This special issue on Water will focus on measures and tools for enabling water sensitive cities, their sustainability, associated challenges and opportunities, and role in maintaining the local water balance and climate adaptation.

The special edition will consider:

Challenges and Investigations on water sensitive cities

Modeling the water balance;

Build-up and wash-off models or experimental investigations for pollutants in stormwater runoff

Experience with pollution contamination or/and removal;

Impact of decentralized stormwater management on urban water balance

Analyses about the role of decentralized stormwater management for climate adaption in urban areas

Investigation concerning the sustainability of measures enabling water-sensitive cities

Guest Editor

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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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