

Special Issue

Flooding in Urban Areas: Risks and Responses

Message from the Guest Editors

Flooding in urban areas is one of the major classes of disasters in modern towns and cities. A high proportion of impervious areas and altered natural drainage routes result in limited water infiltration, reduced capacity for excess water, large run-offs and overwhelmed drainage systems. Apart from surface water flooding, riverside towns are also at risk due to riverine flooding. The flood risk is expected to exacerbate significantly in the future as a result of the combination of climate change and demographic development. The effects of flooding will be most pronounced and damaging in urban areas where growing spatial density of population, properties and vital infrastructure will raise exposure to the hazard. [This Special Issue](#) central concern is to bring together the different aspects and perspectives of urban flood risks to provide a comprehensive overview and a discussion platform for recent advances and trends that aims to explain urban flood risks and to show possible strategies through which they can be successfully managed.

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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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