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Flood Risk Analysis and Management from a System's Approach

Guest Editors:

Dr. Karin De Bruijn
Deltares, Department of flood risk management, Boussinesqweg 1, 2629 HV Delft, The Netherlands

Dr. Kai Schröter
GFZ German Research Centre for Geosciences, Section 5.4 Hydrology, 14473 Potsdam, Germany

Dr. Alessio Domeneghetti
DICAM, University of Bologna, 40136 Bologna, Italy

Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

Improved methods and new insights in many aspects of flood risk analysis and management have become available in recent decades. To further improve flood risk management, however, it is crucial to not only focus on improvements of specific elements but to consider them in a coherent way.We welcome papers that contribute to flood risk analysis techniques that provide insight into the flood risk of larger river systems, coastal systems, or larger areas with multiple waterways and take into account interdependencies through weather, space, and time. We think of papers that study exceedance probabilities of certain damages in areas with multiple waterways, challenges in getting consistent river flows in areas with multiple tributaries, river-dike-floodplain interactions, and long-term interactions between physical and societal systems. Also, the development of strategies for systems, taking into account system-criteria such as equity, regret, and sustainability, are welcome.

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Dr. Jean-Luc PROBST
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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/water
water@mdpi.com
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