Special Issue

Observation and Modelling of Past, Current and Future Water Resources in Transboundary River Systems

Message from the Guest Editors

Transboundary waters encompass aquifers, lakes, and river systems shared by two or more countries. These waters do not adhere to political boundaries, meaning water use, pollution, or overexploitation in one region can have significant consequences in other parts of the hydrological system. Effective transboundary water management is thus crucial to address pressing issues ranging from water scarcity and biodiversity protection to economic growth and peacekeeping.

We welcome contributions on the following topics:

(1) The modelling and inter-comparison of different models for simulating water balance components and water quality.

(2) The evaluation of performance and uncertainty of transboundary datasets of climate and hydrological characteristics, including remote sensing products and climate projections.

(3) Applications supporting the sustainable management of transboundary water.

(4) The development and implementation of joint monitoring and information systems.

(5) The involvement of multi-level stakeholder engagement in shared water management.

Guest Editors

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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

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