

Special Issue

Planning and Management of Hydraulic Infrastructure

Message from the Guest Editor

This Special Issue of *Water* calls for original research papers focused on the broadest sense of hydraulic infrastructure, from the management of the infrastructure itself to its management as part of regulated water resources systems. Research studies related to planning and management of hydraulic infrastructure include: management of hydraulic structures to deal with droughts and floods, dam safety analysis, dam risk analysis, conflicts that arise from the operation of multipurpose reservoirs, integrated early warning systems, design of hydraulic infrastructure by simultaneously accounting for dam safety and water resources management, uncertainty analysis, climate change effects on water resources systems, sensitivity analysis of adaptation measures, the economic effect of climate change on regulated water resources systems, assessment of water availability, and evaluation of a system's performance. Studies developing integrated modeling frameworks involving the social, human, economic, and environmental dimensions of the hydraulic infrastructures, and those dealing with conflict resolution and stakeholder-oriented systems, are also welcome.

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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