

## Special Issue

# Modelling and Management of the Energy Impact of Urban Water

### Message from the Guest Editors

Water has a profound influence on energy consumption in cities, accounting for some 10% of primary energy use when the effect of supply, use and disposal are considered. Minimising water-related energy is a multi-dimensional and generational challenge. It will necessitate the innovative planning, design and management of systems, cities, and buildings. It will require new innovation in engineering and technology as well as social, architectural, and economic contributions. This [Special Issue](#) aims to bring together recent research on the energy influence of water including water provision, use and disposal. It particularly encourages quantification of the energy (and greenhouse gas)-intensity of urban water, frameworks for understanding water-related energy, and understanding water efficiency in terms of the broader functions water delivers. **Keywords:** Water-related energy; Water–energy nexus; Urban water; Energy use; Energy intensity; Energy efficiency; Energy management; Greenhouse gas emissions; Life cycle assessment; Mathematical modelling; Cost–benefit analysis; Urban water–energy systems analysis

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2020)



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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