



water

an Open Access Journal by MDPI



Hydroeconomic Analysis for Sustainable Water Management

Guest Editors:

Prof. Dr. Josue Medellin-Azuara

Prof. Dr. Guilherme F. Marques

Prof. Dr. Amaury Tilmant

Prof. Manuel Pulido-Velazquez

Deadline for manuscript
submissions:
closed (31 August 2018)

Message from the Guest Editors

Water economic value often plays a decimated role in water management, even when water is reclaimed through costly storage and conveyance infrastructure, and shared among competing users. The common approach to water as an indisputable requirement, rather than a variable and uncertain economic resource, fails to properly signal its scarcity to society, leading to inefficient use, unnecessarily large infrastructure, and lost development opportunities. Hydro-economic models provide a framework to represent economic values of water under various uses, infrastructure, and hydrologic and environmental features within regions in a consistent manner. This Special Issue provides an overview of economic water valuation and hydroeconomic models. Concepts are reinforced with case studies involving management, modeling, and analysis involving the economic value of water, and its application in improving the economic efficiency of water systems. Prospects for hydro-economic models in managing water resources in the future are discussed.



mdpi.com/si/9497

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)