Special Issue

High-Resolution Monitoring and Modelling for Water Resources Management: New Sensors, New Approaches and Applications

Message from the Guest Editors

Water resources management at high spatial and temporal resolution calls for data support at the revelant scales, which has long been hindered by the availability of high-resolution data. Thanks to the development of data acquisition, storage and processing techniques, the data acquisition and implementation have been enhanced to an unprecedented level. Data from new platforms, such as the GaoFen series from China, the Sentinel series from the EU and the Landsat series from the US have become available; new approaches, such as AI, machine learning and Web of Things have been developed, and new platforms, such as the Google Earth Engine have been utilized for water resources management at a resolution much higher than that of traditional research. In this Special Issue, we seek to publish studies on the use of new sensors and approaches for water resource management, and ecohydrological modelling at high resolution.

Guest Editors

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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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