

Special Issue

Remote Sensing in Water Cycle Management

Message from the Guest Editor

The ever-increasing economic activity combined with the prevalent climatic trends is mounting the pressure on water resources. This places utmost importance on water cycle management, and efficient management of the same requires that one gain comprehensive knowledge of hydrological processes, which is not an easy task. Even for a local project such as the water supply of a town, processes including precipitation, evaporation, surface runoff, infiltration, and so on need to be measured over spatial regions much larger than the area of interest over considerably long temporal periods. For instance, precipitation requires a carefully designed network of rain gauges in order to obtain a reliable estimation of the precipitation over the area of interest. Likewise, doing so is necessary for the estimation of evapotranspiration. On the other hand, surface runoff does not require an extensive network since measurements obtained using a stream gauge include the information regarding runoff from upstream areas. However, [...] For further reading, please follow the link to the Special

Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Water_Cycle_Management

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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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