Special Issue

Editorial Board Members' Collection Series in "Climate Simulations for Hydrological Predictions and Projections"

Message from the Guest Editors

The hydrological cycle is a critical component of the Earth's system, contributing to both intrinsic and forced climate variability observed on a broad range of temporal scales and from local/regional to global scales. In turn, precipitation, and hydrological surface processes, including river runoff, are affected by climate change and variability. Near-term predictions and projections of water availability and hydrological extremes from the watershed to the continental scale under climate change must account for the uncertainties and limitations of combining global/regional climate models with hydrological models.

This Special Issue aims to collect studies on the use of output from global and regional climate simulations as a boundary for hydrological predictions and projections of the broad water resources, including water availability and quality, droughts and floods, and surface and groundwater reservoirs. Climate and hydrological model evaluation studies, regional land-use and land-cover change studies and studies of data assimilation and downscaling approaches, and their optimization, including statistical methods and artificial intelligence, are especially welcome.

Guest Editors

Dr. Davide Zanchettin
Prof. Dr. Xiaojun Wang
Dr. Na Zhao

Deadline for manuscript submissions

closed (20 July 2024)

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About the Journal

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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