Special Issue

Statistical Analysing Climate Variability and Change for Hydrological Applications

Message from the Guest Editor

The aim of this special issue is to explore statistical analysis of the climate variability and changes for hydrological applications. It includes, but is not limited to:

- Limitations of current statistical applications, givens that it is almost impossible to perform independent experiments in hydroclimate studies and almost all hydroclimate data are somehow interrelated spatially and temporally. The comparison of multiple models is also included.
- New and advanced statistical methods for climate change and variability analysis and their hydrological implications.
- Statistical analysis of uncertainties of hydroclimate systems.
- Climate variable selections for hydrological applications.
- Non-stationary rainfall-runoff relationship due to climate change and variability.
- Distinguishing the impacts of climate variability and changes and human activities on regional and global hydrological regimes.
- Statistical analysis of climate and hydrological extremes. New indices or early warning of these extremes are also welcome.
- Weather and hydrological.

Guest Editor

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Deadline for manuscript submissions

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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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