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Application of Data Pre-post Processing Methods for Modeling Hydro-Climatologic Processes

Guest Editors:

Prof. Dr. Vahid Nourani

Center of Excellence in
Hydroinformatics and Faculty of
Civil Engineering, University of
Tabriz, 29 Bahman Ave., Tabriz
5166616471, Iran

Prof. Dr. Hüseyin Gökçekuş

Civil Engineering Department,
Faculty of Civil and
Environmental Engineering, Near
East University, 99138 Nicosia,
Cyprus

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Message from the Guest Editors

Understanding hydroclimatic processes (i.e., climate change, floods, droughts, etc.) is a fundamental issue in any water resource engineering study. There are several approaches to modeling hydroclimatic processes, usually categorized into three main groups of physical-based, conceptual, and black-box models, in all of which, the quantity, quality and precision of data are presumed to directly affect the simulation results of the modeling. Ensuring the quality of hydroclimatologic data has become a key issue in this field of study. Each type of data source (e.g., in situ data, radar data, satellite-based data, etc.) can contain noise, outliers, missing values, duplicate data or wrong data, which are unavoidable problems affecting the data collection that should be resolved via appropriate data processing and preparation approach(es). [...]

For further reading, please follow the link to the Special Issue Website at:
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Special Issue



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Toulouse, Campus ENSAT,
Auzeville Tolosane, Toulouse,
France

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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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