



Assimilation of Earth Observation-Derived Hydrological Information into Flood Inundation Models

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Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editors

The monitoring and modeling of river water levels, river discharges, extent of water bodies, storage in soil, lakes and reservoirs, soil moisture, flooding, and floodplain dynamics play a key role in assessing water resources, understanding surface water dynamics, characterizing and reducing disaster risks, and enabling the integrated management of water resources and aquatic ecosystems.

In this Special Issue, we welcome studies presenting the most recent advances in the enhancement of remote sensing datasets and their error characterization, and in the assimilation of these remote sensing-derived observations into flood inundation models, including, for example:

- Reservoir levels and storage;
- Flood extent and levels;
- Soil moisture;
- Ground water storage;
- River discharge, water levels, slope and width.





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Message from the Editor-in-Chief

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