Special Issue

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

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.

Guest Editors

Dr. Renaud Hostache

Dr. Patrick Matgen

Dr. Guy J.-P. Schumann

Dr. Jérôme Benveniste

Dr. Ben Jarihani

Dr. Alessio Domeneghetti

Deadline for manuscript submissions

closed (30 June 2020)

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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