Special Issue

Remote Sensing for Flood Monitoring and Risk Assessment

Message from the Guest Editors

The growing impact of floods observed in recent decades can be related to climate change and socio-economic and land-use chage dynamics.

This Special Issue aims to collect papers on current efforts to exploit the use of remote sensing data in all phases of the flood risk management cycle (i.e., preparedness, emergency management, response and recovery). The following list gives an overview of the topics we are looking for, but is by no means exhaustive:

- Application of SAR-based techniques for flood mapping with special reference to the urban environment and/or densely vegetated areas,
- Remote-sensing based methods for the identification of physical, demographic, and economic aspects of flood exposure and vulnerability,
- Change-detection and other image processing techniques applied to remote-sensing for post-event flood damage assessment and recovery monitoring.

Applications using hyperspectral imagery are particularly of interest. Research papers or reviews with a special focus on developing countries or in data-poor contexts is also encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)

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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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