



Remote Sensing for Flood Monitoring and Risk Assessment

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Message from the Guest Editors

Dear Colleagues,

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





water



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Message from the Editor-in-Chief

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