



Advances in Earth Observation to Improve Flood Disaster Monitoring and Management (Second Edition)

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Message from the Guest Editors

Dear Colleagues,

In the context of increasingly larger and more disastrous flood events, Earth observation plays a role of primary importance in the relative risk monitoring and management. During the emergency phases related to the occurrence of such events, the authorities' decision-making process inevitably occurs via the analysis of information retrieved by main optical and microwave satellite sensors. Their ability to observe large areas in a short time allows for prompt and effective action being taken to both save human lives and reduce the damages to properties and the environment. Remote sensing technologies and techniques have greatly improved in recent years, providing increasingly accurate and efficient information.

This Special Issue will accept studies regarding advances in Earth observation for flood detection, monitoring, and management via satellite data acquired from different optical and microwave sensors. Works using advanced satellite based techniques, in situ modeling methodologies, and machine learning are welcomed.





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Message from the Editor-in-Chief

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