

Geospatial Approaches to Landslide Mapping and Monitoring

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Message from the Guest Editors

Dear Colleagues,

Landslides play an important role in the evolution of landscapes and still represent a major threat to urban areas and anthropogenic activities, to infrastructures, cultural and environmental heritage.

The landslide scientific community, practitioners and end-users, have greatly benefited from both the technological development of these techniques, in terms of spatial resolution, accuracy, fast measurement and processing times, and from the data availability and cost-effectiveness. In this perspective, a key issue is still represented by data management and processing tools which, in turn, can lead to a proper and accurate comprehensive view and interpretation of the slope instability processes, with the final aim of implementing mitigation measures for landslide risk management.

The goal of this Special Issue is to gather high-quality original research articles and reviews on innovative geospatial approaches, synergistic use of remote sensing techniques, and case studies applications for landslide detection, mapping and monitoring, from spaceborne, ground-based to UAV platforms.





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Message from the Editor-in-Chief

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