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Geomatics and Geo-Information in Earthquake Studies

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Message from the Guest Editors

Dear Colleagues,

In the past decade, large-scale earthquakes and tsunamis have struck major populated areas and produced heavy casualties and losses in many countries.

Geomatics methodologies and GIS-based hazard and risk analysis can be powerful tools to inform and support the development of effective disaster mitigation strategies, to reduce the impact of future earthquakes, and to assist early recovery and reconstruction activities.

Advances in geomatics and geospatial technologies are envisaged for extracting the most suitable information to assess seismic hazard and the seismic vulnerability of structures and infrastructures from the currently available large set of geographical data, including remote sensing imagery from satellites. Lessons learned from recent major earthquakes are also important to understand the mechanisms of ground shakings and structural damage.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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