



GIS in Seismic Disaster Risk Assessment and Management

Guest Editor:

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Message from the Guest Editor

The aim of this Special Issue is to present works based on data GIS processing such as spatial analysis, geostatistical, and modeling or metamodeling, as well as geoinformation algorithms or interactive representation architectures, all focused on seismic-Induced Hazards (or Risk) assessing or their governance and management. The studies can involve and be applied to different study areas, both theoretical/demonstrative and case studies.

Therefore, GIS-based models, processes or procedures able to produce maps that combine morphometric and subsoil data using canonical or simplified (empirical or stochastic) models and multimodel combinations are welcome, taking into account the soil and rock features, as well as their dynamic behavior. The phenomena should be seismic shaking and its effects on the anthropized environment, earthquake-induced landslides, liquefaction, and densification, as well as tsunami invasion areas.

Assist. Prof. Gerardo Grelle





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Message from the Editor-in-Chief

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