Special Issue

Predictive Modeling through Earth Observational Data Analysis for Natural Hazards Risk Assessment and Disaster Management

Message from the Guest Editors

The natural geo-environment of planet Earth is under extreme stress caused largely by human-induced dynamic perturbation in the natural environment and climate domain. Impact assessment of climate change on the natural setup of planet Earth observed through the increasing intensity of natural hazards is vital for understanding the future potential and risk to humans, as well as devising techniques to combat the ill effects of natural hazards and human-induced disasters.

Earth observation (EO) data obtained via remote sensing provide adequate opportunities to model the geo-aspects of different hazard potentials and their risk-inducing capabilities. When modeled through geoinformatics techniques, such spatial data become very effective in near real-time hazard predictions. Such cost-effective solutions can safeguard human fatalities by spatial planning during natural-anthropogenic disasters.

The Special Issue aims to reconcile multi-disciplinary scientific knowledge of EO and climate data for mapping natural hazards and human-induced disasters using geospatial modelling approaches.

Guest Editors

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Editor-in-Chief

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