Special Issue

Advances in Disaster Risk Sciences in Big Earth Data

Message from the Guest Editor

With the prevalence of global warming, natural hazards have severely threatened human lives and properties throughout the world. To accurately and rapidly quantify the risks from such intensified natural hazards, new methods related to three aspects: hazard, exposure and vulnerability analyses, are highly required. Fortunately, Big Data offers a opportunity for discovering new knowledge and provides powerful tools to accurately quantify the integrated risks from natural hazards. Such multi-data come from all kinds of aerial and earth observations, social mediums, etc. How to apply and what type to select are still a big challenge for risk analysis. Therefore, this Special Issue aims to encourage researchers to address the recent progress, fully taking advantage of Big Data in topics including, but not limited to, the following: 1Advanced theoretical and methodological issues for quantifying disaster risks; 2Every progress related to hazard, exposure and vulnerability analyses; 3Disaster risk development, communication, transition, and governance.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/81474

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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