Special Issue

GIS and Spatial Planning for Natural Hazards Mitigation

Message from the Guest Editors

The dynamic development of methods related to the acquisition and management of spatial data creates better conditions for identifying, forecasting, and preventing the negative effects of natural hazards. Spatial planning relying on the use of information acquired from geographic information systems is an instrument that can be used for this purpose. Familiarity with these data and processes offers an opportunity to develop space in a way that mitigates the impact of natural hazards. Knowing the scale and scope of these phenomena is particularly important in view of the ongoing climate change whose effects will probably include an increased frequency of extreme hydrometeorological phenomena. This Special Issue will be dedicated to the following topics: New methodological solutions for identifying and predicting natural hazards; Spatial planning systems in various countries in the context of natural hazards; Examples of good practices in the use of GIS in spatial planning in areas threatened by natural hazards; Modeling natural hazards with GIS.

Guest Editors

Prof. Dr. Wojciech Zgłobicki

Institute of Earth and Environmental Sciences, Maria Curie Sklodowska University, 20-718 Lublin, Poland

Dr. Leszek Gawrysiak

Institute of Earth and Environmental Sciences, Maria Curie Sklodowska University, 20-718 Lublin, Poland

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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