Application of Geographic Information and Big Data Analysis in Responding to Climate Change

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Message from the Guest Editors

In past decades, global climate change has caused various extreme climate events and disasters that are significantly challenging to human living environments. These extreme climate events and disasters can lead to severe environmental, economic, and social consequences. With the rapid development of Earth observation networks and geographic information techniques, a variety of geographic big data and new approaches have emerged. These new data and approaches enable us to develop data-driven models and create smart solutions to respond to extreme climate events and disasters caused by climate change.

This Special Issue aims to provide an opportunity for scholars to share their latest research findings related to the topic of the application of geographic big data and approaches to respond to climate change. This Special Issue welcomes high-quality research papers that focus on spatiotemporal pattern analysis of extreme climate events and disasters, disaster prevention and mitigation, disaster susceptibility assessment, parameters, generation of climate change models, collective responses to extreme climate events, social perception of climate change, etc.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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