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Application of Remote Sensing, GIS and Artificial Intelligence in Natural Risks Management

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Message from the Guest Editors

Interest in the study of risks has increased mainly since the second half of the 1950s, partly due to the increase in disasters, but also thanks to the higher economic and social costs generated not only by human and economic losses, but also by the recovery and reconstruction of affected areas. Considering that global environmental projections suggest that climate and hydrological systems will be subject to major changes in the coming decades, there is an urgent need to implement programs aimed at more effective prevention measures in the management of natural hazards. In this Special Issue, we seek contributions concerning, but not limited to, applications of remote sensing, GIS, and artificial intelligence data/techniques, possibly combined with other approaches, to better monitor, understand, and manage physical processes responsible for a range of natural hazards.

Deadline for manuscript submissions:
closed (30 June 2023)

mdpi.com/si/152214

Special Issue

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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