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GIS Application: Flood Risk Management

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Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editors

Thanks to technological progress and the explosion of digital data and of geo-services, Geographic Information System (GIS) application has become central to supporting individuals, communities, businesses and public authorities decisions and communications in many domains. However, the quality of geographic data to support flood risk assessment remains a challenge. This is particularly the case when assessing the exposure, vulnerability and resilience and when data is used to appraise flood risk management options and to support emergency services decision-making.

For this special issue of Water we seek papers discussing flood risk assessment with an emphasis on data geoprocessing, on the development of tailored risk indicators or for innovative communication tools involving web-mapping. This special issue will highlight discussions on how geographic data and GIS applications can and should inform and support flood risk management. The special issue is open to any geographic scale or spatial resolution.[…]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/gis_flood_risk

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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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