Special Issue

Flood Risk Assessments: Applications and Uncertainties

Message from the Guest Editors

In recent years, many technical literatures have been published on flood hazard analysis, and more recently on flood vulnerability and resilience. Nevertheless, there is still a shortage of scientific studies and practical experience of real flood risk assessment (both social and economic). The objective of the issue is to improve our knowledge of data sources, methodologies and results, especially in analyses on a regional and local scale, from real flood risk assessments around the world. The final aim is to offer flood risk managers new tools, data and maps to improve risk mitigation. Uncertainty analysis and its application to the process of flood risk analysis is of particular interest. A wide variety of topics will be covered including: flood risk data sources; techniques and methodologies for flood risk analysis; cost–benefit analysis; flood risk mapping and cartographic representation of uncertainties; fields for the application of flood risk assessments; flood risk analysis calibrations; low-cost flood risk analysis in developing countries; or the interaction of fluvial and coastal processes in the flood risk of coastal regions.

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Deadline for manuscript submissions

closed (31 December 2019)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/23415

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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.

Editor-in-Chief

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