Special Issue

New Multi-Hazard Risk Assessment Methods for Extreme Rainfall Events

Message from the Guest Editor

Extreme rainfall, both excessive and insufficient, is an example of how multi- or cascading disastrous events may stem from the great variety in the interactions that may arise. For example, drought, which frequently leads to a reduction in surface vegetation, will make the affected region more susceptible to erosion under moderate rains, while a classic example involves landslides induced by heavy rain. Likewise, a rainfall-triggered landslide may dam a water course, increasing the potential for catastrophic flooding downstream. With regard to the risk associated with these events and their interactions, a range of tangible (economic losses, both direct and indirect) and intangible (social problems) costs may arise, involving not only the direct losses, e.g., reduced agricultural production, but also impacts on societies, e.g., forced migration. Furthermore, the frequency of such events is expected to increase due to climate change. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Extreme_Rainfall_Events

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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.

Editor-in-Chief

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