

Special Issue

Landslides and Sediment Disasters Prevention

Message from the Guest Editors

Soil erosion caused by climate change or human activity poses worrying threats to cities, settlements and life in areas developing near slopes. Understanding the changes of in soil moisture, sediment and landslide activity in key regions is helpful to establish an early warning system for key regions of secondary geological disasters. However, complete risk reduction seems impractical in such a framework, especially since delocalization of anthropogenic activities is not feasible in most cases, and co-existence with landslide risk is acceptable. In these cases, robust approaches such as modelling based on observed data, such as rainfall and soil hydrology, or off-site or laboratory experiments, appear to be the most promising approaches to reducing risk and improving societal resilience. The Special Issue will focus broadly on the analysis, experimentation, or modeling of hydrological processes leading to landslides and sediment movement, as well as the analysis of early warning definitions based on rainfall or soil hydrological monitoring.

Guest Editors

Prof. Dr. Aidi Huo

Prof. Dr. Pingping Luo

Dr. Chunli Zheng

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
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