# Special Issue

# Debris Flows Research: Hazard and Risk Assessments

### Message from the Guest Editors

Substantial advances have been made in various aspects of debris-flow hazard and risk assessments over the past decade. These include sophisticated ways to date previous events, two and three-dimensional runout models including multiphase flows and debris entrainment options, and applications of extreme value statistics to assemble frequency–magnitude analyses. Quantitative risk management (QRM) has emerged as the most rational and defensible method to assess debris-flow risk and optimize mitigation efforts. The pertinent questions, of course, have remained the same: How often, how big, how fast, how deep, how intense, how far, and how bad? Similarly, while major life loss attributable to debris flows can often, but not always, be avoided in developed nations, debris flows remain one of the principal geophysical killers in mountainous terrains. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Debris_Flows

### Guest Editors

Dr. Matthias Jakob
BGC Engineering Inc., Canada
Dr. Scott McDougall
Department of Earth, Ocean and Atmospheric Sciences Faculty of Science, Vancouver, Canada

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

mdpi.com/journal/water

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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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Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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