

## Special Issue

# Flood Risk Analysis and Management from a System's Approach

### Message from the Guest Editors

Improved methods and new insights in many aspects of flood risk analysis and management have become available in recent decades. To further improve flood risk management, however, it is crucial to not only focus on improvements of specific elements but to consider them in a coherent way. We welcome papers that contribute to flood risk analysis techniques that provide insight into the flood risk of larger river systems, coastal systems, or larger areas with multiple waterways and take into account interdependencies through weather, space, and time. We think of papers that study exceedance probabilities of certain damages in areas with multiple waterways, challenges in getting consistent river flows in areas with multiple tributaries, river-dike-floodplain interactions, and long-term interactions between physical and societal systems. Also, the development of strategies for systems, taking into account system-criteria such as equity, regret, and sustainability, are welcome. Dr. Karin de Bruijn

---

### Guest Editors

Dr. Karin De Bruijn

Deltares, Department of flood risk management, Boussinesqweg 1, 2629 HV Delft, The Netherlands

Dr. Kai Schröter

GFZ German Research Centre for Geosciences, Section 5.4 Hydrology, 14473 Potsdam, Germany

Dr. Alessio Domeneghetti

DICAM, University of Bologna, 40136 Bologna, Italy

---

### Deadline for manuscript submissions

closed (15 May 2019)



## GeoHazards

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6  
CiteScore 2.2



[mdpi.com/si/17388](https://mdpi.com/si/17388)

*GeoHazards*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[geohazards@mdpi.com](mailto:geohazards@mdpi.com)

[mdpi.com/journal/  
geohazards](https://mdpi.com/journal/geohazards)





# GeoHazards

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6  
CiteScore 2.2



[mdpi.com/journal/  
geohazards](https://mdpi.com/journal/geohazards)



## About the Journal

### Message from the Editorial Board

---

#### Editors-in-Chief

Prof. Dr. Zhong Lu

Roy M. Huffington Department of Earth Sciences, Southern Methodist University, Dallas, TX 75275, USA

Prof. Dr. Tiago Miguel Ferreira

Instituto Superior Técnico (IST), University of Lisbon, Av. Rovisco Pais, 1049-001 Lisbon, Portugal

---

#### Author Benefits

##### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

##### High Visibility:

indexed within ESCI (Web of Science), Scopus, GeoRef, and other databases.

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.1 days after submission; acceptance to publication is undertaken in 4 days (median values for papers published in this journal in the second half of 2025).