

## Special Issue

# Advances in Remote Sensing and GIS for Natural Hazards Monitoring and Management

### Message from the Guest Editors

This Special Issue is open to a diverse range of contributions on recent advances in the application of remote sensing and GIS methods for the monitoring/mapping/modeling/assessment/mitigation of natural hazards, such as landslides, floods, wildfires, droughts, and erosion. Methods for the development of algorithms for data processing/interpretation and the presentation of case studies are welcome. We invite submissions that may include, but are not limited to, the following topics:

- Mapping of (historical) events;
- (Near) real-time hazard monitoring;
- Remote sensing for hazard/vulnerability/risk analysis mapping and damage assessment;
- Single/multi-hazard detection, modeling, vulnerability, and prediction;
- Applications in support of disaster risk reduction and adaptation strategies;
- Fusion of remotely sensed imagery for disaster applications.

### Guest Editors

Dr. Adrianos Retalis

Institute for Environmental Research & Sustainable Development (IERSD), National Observatory of Athens (NOA), 15236 Athens, Greece

Dr. Dimitrios D. Alexakis

Institute for Mediterranean Studies, Foundation for Research and Technology Hellas, 70013 Iraklio, Greece

### Deadline for manuscript submissions

31 July 2025



## ISPRS International Journal of Geo- Information

an Open Access Journal  
Published by MDPI

Impact Factor 2.8  
CiteScore 7.2



[mdpi.com/si/196981](https://mdpi.com/si/196981)

*ISPRS International Journal of  
Geo-Information*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijgi@mdpi.com](mailto:ijgi@mdpi.com)

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





# ISPRS International Journal of Geo- Information

---

an Open Access Journal  
Published by MDPI

---

Impact Factor 2.8  
CiteScore 7.2



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



## About the Journal

### Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

---

### Editor-in-Chief

Prof. Dr. Wolfgang Kainz  
Cartography and Geographic Information Science, Department of  
Geography and Regional Research, University of Vienna,  
Universitätsstr. 7, A-1010 Vienna, Austria

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, PubAg, dblp, Astrophysics Data System, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Geography, Physical) / CiteScore - Q1 (Earth and Planetary Sciences (miscellaneous))