

Special Issue

Remote Sensing Application in Landslide Detection and Assessment

Message from the Guest Editors

Remote sensing technology has had a pervasive impact on tackling environmental issues and disaster risk management. Notably, these benefits have been substantial for research and monitoring of phenomena like landslides and other mass movements, which are often difficult to access and hidden under thick vegetation cover. Indeed, remote sensing techniques are now widely used for the early detection of ground deformation, the implementation of warning systems in case of imminent landslide triggering, and the medium- and long-term slope instability monitoring supporting prospective modeling. This is particularly important considering that landslide occurrences may be exacerbated by extreme weather events, which are growing in frequency due to ongoing climate change.

The present issue is thus timely to share and discuss the state of the art and the remaining challenges in the field of landslide hazard and disaster risk remote sensing: (1) applications of existing methods; (2) technological developments; (3) processing developments, including new algorithms. If potential authors wish to discuss any additional topics, please feel free to contact the special issue editorial team.

Guest Editors

Dr. Candide Lissak
Prof. Dr. Christopher Gomez
Dr. Vittoria Vandelli

Deadline for manuscript submissions

closed (31 May 2024)



Land

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Impact Factor 3.2
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Land
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
land@mdpi.com

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Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

Prof. Dr. Christine Fürst
Department Sustainable Landscape Development, Institute for
Geosciences and Geography, University of Halle, Halle, Germany

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