

Special Issue

Integrating Remote Sensing and Geospatial Big Data for Land Use Mapping and Monitoring (Second Edition)

Message from the Guest Editors

In the last decade, there has been an explosion of data from both remote sensing and other sources of geospatial data (e.g., citizen science, low-cost sensors, mobile phones), which could benefit the mapping and monitoring of land cover and land use. The opening up of the Landsat archive, the spatial and temporal richness of the data now available from Sentinel satellites, and the proliferation of small satellites photographing the Earth provide novel opportunities for characterizing the land surface, particularly for land use. By integrating remote sensing with other sources of big geospatial data and machine learning/data fusion, we can create new data sets on land use, e.g., land use management intensity, forest management, and drivers of tropical deforestation, all of which fill significant gaps regarding land use information. This Special Issue aims to compile state-of-the-art research in this field. We welcome papers that present methods and applications that integrate remote sensing with geospatial big data in the mapping and monitoring of land use, including change detection.

Guest Editors

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Deadline for manuscript submissions

closed (1 March 2025)



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Message from the Editor-in-Chief

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

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