Special Issue

Integrating Remote Sensing and Geospatial Big Data for Land Use Mapping and Monitoring

Message from the Guest Editors

During the last decade, there has been an explosion of data, both from remote sensing and other sources of geospatial data (e.g., citizen science, low-cost sensors, mobile phones), which can benefit the mapping and monitoring of land cover and land use. The opening up of the Landsat archive, the spatial and temporal richness of data now available from Sentinel satellites, and the proliferation of small satellites photographing the Earth provide new opportunities for characterizing the land surface, particularly in relation to 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 (Dou et al., 2021), forest management (Lesiv et al., in review), and drivers of tropical deforestation (Laso Bayas et al., in review), all of which fill significant gaps in land use information. This Special Issue aims to bring together state-of-the-art research in this field. We invite papers on methods and applications that integrate remote sensing with geospatial big data in mapping and monitoring land use, including change detection.

Guest Editors

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Deadline for manuscript submissions

closed (17 November 2023)

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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. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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