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

Guest Editors:

Dr. Myroslava Lesiv

Dr. Linda See

Dr. Dmitry Schepaschenko

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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.



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Special Issue

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Editor-in-Chief

Prof. Dr. Christine Fürst

Institute for Geosciences and
Geography, Department
Sustainable Landscape
Development, University of Halle,
Von-Seckendorff-Platz 4, 06120
Halle, Germany

Message from the Editor-in-Chief

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Contact Us

Land Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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