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Recent Progress in Land Cover Mapping Using Remote Sensing Data

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Deadline for manuscript submissions:

closed (15 March 2024)

Message from the Guest Editors

Land cover mapping with remote sensing data has been an important research topic. Currently, researchers easily have access to many different data choices and combinations: high spatial resolution images (e.g., Planet imagery), multi-modal data (e.g., optical, hyperspectral data, SAR, airborne LiDAR), and time series data (e.g., Landsat Archive, Sentinel Archive). However, these varied data pose many challenges for land cover mapping techniques, such as efficiently defining large quantities of training samples and jointly exploring multi-modal data for more accurate land cover maps. Recently, the rapid development in deep learning has provided new options to tackle these challenges: from data augmentation to different variants of deep models, and recently even popular foundation models. In this Special Issue, we invite submissions related to the recent progress in land cover mapping with remote sensing data, with topics including but not limited to:

Training data augmentation;

Multi-modal data classification;

Time series data analysis;

Transfer learning;

Self-supervised learning;

Remote sensing foundation models;

Accuracy assessment of land cover products.



mdpi.com/si/180206

Special Issue



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Message from the Editor-in-Chief

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