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Deep Learning for Land Use and Land Cover Change Monitoring with Optical and SAR Images

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Message from the Guest Editors

This Special Issue focuses on discussing research that utilizes state-of-the-art deep learning techniques from optical and synthetic aperture radar (SAR) imagery to monitor land use and land cover changes. In recent years, evolving deep learning techniques have shown excellent results in analyzing optical and SAR images to accurately detect Earth's surface changes, which are caused by various factors such as natural and anthropogenic hazards and environmental changes. Deep learning research in land use and land cover change monitoring emphasizes the richness and diversity of training data and models trained in various geographical regions and environmental conditions. Through the innovative use of deep learning technology, global change detection, which was previously considered a difficult or expensive task, can be performed efficiently. For this Special Issue, we invite innovative research that uses deep learning techniques to accurately monitor various changes in land use and land cover using optical and SAR imagery.



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Special Issue



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