Special Issue

Computer Vision and Machine Learning Methods for Land Use Land Cover Change Modelling and Forecasting

Message from the Guest Editors

Population growth, resource extraction, and natural disturbances are precipitating rapid changes in global land cover dynamics: for example, the spatial expansion of cities is culminating in significant vegetation and habitat loss and/or fragmentation. Forecasting terrestrial change using Earth observation sensor data has been a daunting task; however, with emerging algorithms, new computational tools, and sensor capabilities offered by recent technological advancements, Earth observation and monitoring is taking a more sophisticated dimension with improved accuracy. Accurate and up-to-date knowledge of land use and land cover (LULC) trajectories would enable policy-makers to devise and implement effective and sustainable land management policies. This Special Issue (SI) aims to attract cutting-edge research with a focus on LULC modelling and forecasting using emerging computer vision, deep learning methods, remote sensing data, and simulation-derived data.

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Message from the Editor-in-Chief

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Editor-in-Chief

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