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# Remote Sensing Satellites Data Analysis for Land Use / Land Cover (LULC) and Vegetation Monitoring

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## Message from the Guest Editors

Human-induced land use and land cover (LULC) changes have significantly reshaped Earth's terrestrial surface; such alterations comprise physical and biological entities including vegetative cover, water bodies, bare lands and artificial structures as a result of urbanization. Alternatively, land use refers to an intricate combination of socio-economic factors, management principles and economic purposes.

The important task for researchers now in the LULC domain is to continue identifying high-impact LCLUC "hotspot" areas around the globe where human-induced LCLUC is occurring on various scalesand to undertake research on land-use adaptation to climate change, integrating the socio-economic component. New sensors, such as those on the Sentinel or the newly launched Landsat 9, and multi-sensor approaches provide insight into changes in land use and land cover. LCLUC studies focusing on the synergy of various kinds of satellite observations, together with novel methods such as “big data” and “machine learning”, as well as advanced methods to incorporate socio-economic data, are welcome for this special issue.

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## Message from the Editor-in-Chief

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