



Remote Sensing Technology Innovation for Sustainable Development Goals

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Message from the Guest Editors

Dear Colleagues,

Large-scale and long-time-series earth observations from remotely sensed data play an important role in monitoring the planet and evaluating the progress of the SDGs. These observations can provide consistent and continuous monitoring of the global state of the atmosphere, ocean, ecosystems, natural resources, the urban environment, etc., and their changes over time. Therefore, these technologies may be applied to advance SDGs, such as the progress of carbon sequestration, estimating forest characteristics, monitoring biodiversity, predicting agricultural yield, assessing the impact of disasters, evaluating the urban environment, managing natural resources, and observing land use changes.

The explosive growth of earth observation data with higher diversity and dimensionality presents both a great challenge and opportunity for better monitoring the progress of sustainable development. There is thus an urgent demand for the development of innovative and intelligent remote sensing methodologies to mine and utilize reliable and accurate information, facilitating the implementation of SDGs.





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