



Remote Sensing-Assisted Forest Inventory Planning

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Message from the Guest Editors

Due to the challenges brought on by climate change, energy consumption, and economic growth, the sustainable utilization of forest resources and environmental protection is essential to achieve the sustainable development of human societies. Remote sensing plays a critical role in improving understanding of forest structure, ecosystem functions, as well as their interactions with human societies and climate drivers. In recent years, a large amount of remotely sensed data (e.g., multispectral, hyperspectral, LiDAR, and Synthetic Aperture Radar) and a large variety of platforms (e.g., satellite, airborne, unmanned aerial vehicles, and ground-based) have emerged to provide us with a powerful tool to precisely estimate and monitor forest resources. Remote sensing not only streamlines the traditional forest inventory procedure but also provides invaluable real-time insights into dynamic changes in forest cover, carbon sequestration, and biodiversity.

This Special Issue centers on leveraging remote sensing to promote forest ecosystem management with cutting-edge theories and techniques.





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Message from the Editorial Board

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