Vegetation Dynamics and Forest Structure Monitoring Based on Multisensor Approaches

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

The recent increase in the availability of data from different optical and Synthetic Aperture Radar (SAR) sensors has led to the capability of monitoring vegetation dynamics and forest structure in almost near-real-time. Recent approaches have demonstrated that the combination of multiple sensors can considerably improve the accuracy of forest change detection. SAR sensors provide data that can fill in any gaps in a time series of optical data related to cloud cover. Despite the increasing evidence of the benefits of combining data from optical and SAR sensors and even combining different SAR frequencies and polarisations, there is a paucity of studies using such methods on larger scales or in a time series approach. This special issue focuses on the combination of available long-term datasets and newly released datasets for improving the understanding of forest dynamics and increases the accuracy for monitoring their changes. We invite papers describing approaches that combine data from different SAR, optical and LiDAR sensors to tackle the current environmental challenges.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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