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Characterizing of the Structure and the Species Composition of Forest by Using Multiple Remote Sensing Data Sources or Inventory Approaches

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Deadline for manuscript submissions:
closed (30 November 2019)

Message from the Guest Editors

Recent advances in remote sensing technologies allow us to capture large datasets on species-specific tree and stand attributes from multiple measurement systems. The new ways to analyze and process these datasets (e.g., novel machine learning algorithms) provide new insights necessary to generate spatially explicit information. This information has great value for nature conservationists as well as for forest managers that frequently require it to be displayed for large spatial extents.

In this Special Issue, the guest editors encourage the submission of current research that use data acquired with a variety of remote sensing technologies (airborne and terrestrial laser scanning (ALS/TLS), digital aerial photogrammetry (DAP), and high/very high spatial resolution (HSR/VHSR) satellite optical imagery) under different inventory approaches—the area-based approach (ABA) and the individual tree detection (ITD) approach—designed to characterize forest resource information for strategic, tactical, and operational planning. We would particularly welcome submissions on multi-sensor data fusion.

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Message from the Editorial Board

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Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

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