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The Connection of Forest Dynamics and Carbon Accumulation

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Message from the Guest Editors

Dear Colleagues,

Globally, forests are recognized as a key asset for mitigating CO₂ emissions. However, forest carbon sequestration and accumulation are influenced by forest dynamics. Within forests, biological, environmental, and management forces drive disturbance and succession, which ultimately shape and change forests, from local to global scales, over a range of temporal scales. The continuous shaping and changing of forests influence sequestration of carbon in live biomass and the accumulation and loss of carbon in dead organic matter and soil. To understand the carbon consequences of current and anticipated future changes a firm understanding of the relationship between forest dynamics, carbon sequestration, and carbon accumulation is needed. We encourage studies from all fields, including remote sensing applications, inventory approaches, modeling and projection techniques, and empirical approaches, to contribute to this special issue in order to promote a more complete understanding of the connection between forest dynamics, carbon sequestration, and carbon accumulation.

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Guest Editors



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Special Issue



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