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Forest Landscape Ecology: Linking Past, Present, and Future Data

Guest Editor:

Prof. Dr. Matteo Garbarino

Department of Agricultural,
Forest and Food Sciences
(DISAFA), University of Torino,
Grugliasco, TO, Italy

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Message from the Guest Editor

Dear Colleagues,

Forest landscapes are dynamic and complex systems influenced by natural and anthropogenic disturbances. Historical data derived from different sources can be used to understand the role of disturbance regimes in shaping the structure of forest landscapes.

After millennia of moderate landscape changes, we are observing an acceleration in the rate of alterations due to an increased impact of human activities through land use and climate changes. These changes strongly affect patterns and processes in forest ecosystems altering their disturbance regimes. For these reasons, it is of crucial importance to increase our awareness of landscape dynamics to improve the management of forest landscapes.

The increase of free geospatial data and the increased computational power of hardware and GIS software makes nowadays the analysis of forest dynamics at landscape scale easier than in the recent past.

With this special issue we seek studies from all fields, including modeling and experimental research, focused on landscape dynamics and integrating field, remote sensing, and historical data at multiple spatio-temporal scales.<



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Special Issue



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Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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