

Special Issue

Forest Resources Inventory, Monitoring, and Assessment

Message from the Guest Editor

National forest inventory (NFI) mainly serves macro forestry decision-making, forestry development planning, and global forest resource assessment, while forest management inventory (FMI) mainly serves scientific forest management and sustainable development. Integrated monitoring that combines NFI and FMI can meet the needs of information on forest resources at different levels such as global, regional, national and local, and should become part of the future development of forest resource inventory and monitoring. With the implementation of carbon peaking and carbon neutrality strategies, forest biomass and forest carbon storage have increasingly become extremely important factors in forest resource inventory and the monitoring of forest stock volume. In addition, the integrated application of traditional technologies, such as sampling and modeling, with modern technologies, such as remote sensing, global positioning, geographic information systems, and AI technology, would facilitate the enhanced efficiency and quality of forest resource inventory, monitoring, and assessment.

Guest Editor

Prof. Dr. Weisheng Zeng

Academy of Inventory and Planning, National Forestry and Grassland Administration, Beijing, China

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Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

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Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,
I-25121 Brescia, Italy

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