Assessment of Forest Biomass Using Inventory Plots and Modeling

Guest Editors:

Dr. Mauricio Zapata Cuartas
Finite Carbon Corporation, Wayne, PA 48184, USA

Prof. Dr. Bronson P. Bullock
Warnell School of Forestry and Natural Resources, University of Georgia, 180 E Green Street Forestry Building, Office # 4-529, Athens, GA 30602, USA

Prof. Dr. Peter L. Marshall
Department of Forest Resources Management, University of British Columbia, Rm 2045, 2424 Main Mall, Vancouver, BC V6T 1Z4, Canada

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Message from the Guest Editors

The accurate assessment of forest biomass has a critical role in the participation of forests in the emission reduction market, and as a key indicator of forest productivity, dynamics and health. A steadily growing interest has sought to reduce cost and improve biomass estimates in woody vegetation areas by combining sophisticated statistical analysis methods and cutting-edge technologies with established forest inventory plots. Many methods are available for biomass estimation, ranging from traditional direct field measurements to indirect methods using remote sensing sources. However, technical challenges and opportunities for more cost-effective biomass assessment reporting remain as modeling and multiscale data sources continue to evolve and advance.

This Special Issue aims to provide a selection of contributions to outline the state-of-the-art on quantitative methods using ground forest plot inventories for reliable forest biomass, and to identify gaps where research is needed.

Special Issue

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng
Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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