

Special Issue

Modeling Aboveground Forest Biomass: New Developments

Message from the Guest Editors

Forest biomass modelling is crucial to its monitoring and storage. However, biomass in stands and forests varies according to the species, stand structure, and site. Biomass models can be developed using data obtained destructive sampling, forest inventory, remote sensing, and ancillary. There is a wide range of data science methods and techniques currently applied in order to fit the models and evaluate their uncertainties. Biomass models can be utilized in order to produce management alternatives. This Special Issue aims to offer an overview of the various data sets and modelling methods currently employed to develop biomass functions, as well as their applicability at both the tree and area levels. Potential topics include, but are not limited to, the following:

- biomass models at tree level;
- biomass models at stand level;
- data sets used in biomass modelling;
- data science methods and techniques used in biomass modelling;
- model performances and uncertainties.
- development of management alternatives with biomass models

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