Integrating Forest Health Patterns in Growth and Yield Models

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Deadline for manuscript
submissions:
closed (15 May 2019)

Message from the Guest Editor

Disturbances and forest health threats influence the structure and composition of forest ecosystems and will likely increase in frequency and severity under future global change scenarios. In forest modeling scenarios, too often data from disturbed forests are overlooked in favor of quantifying the "average tree" and its growth potential. Disturbances that impact forest health, including insects, diseases, fire, herbivory, and weather damage, can have immediate impacts to forest growth and yield or can persist for long durations. The lack of information regarding the impacts and responses of forests emphasizes the need for quantifying the magnitude and uncertainties associated with forest health agents.

For this Special Issue of *Forests*, we invite papers that integrate the impacts of forest disturbance and forest health stressors in models that characterize forest growth and yield patterns. We welcome studies from diverse forest types that quantify growth and yield at the scale of the landscape, stand, and/or individual tree. Empirical, process-based, and/or hybrid model designs will be considered for this issue.

Special Issue

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