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Achieving sustainable management of boreal and temperate forests

Edited by Dr John A. Stanturf
Estonian University of Life Sciences, Estonia



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About the book

Forests deliver both economic benefits and a range of key ecosystem services. This collection reviews current research on optimising their use, from understanding tree physiology to improvements in planting, stand management, sustainable logging and product diversification.

About the editor

Dr John A. Stanturf is a former Senior Scientist at the Center for Forest Disturbance Science at the US Forest Service. He is Visiting Professor of Forestry at the Estonian University of Life Sciences and Senior Research at InNovaSilva, a Danish forestry consulting firm. He has published widely on forest ecosystem disturbance and restoration around the world.

Achieving sustainable management of boreal and temperate forests

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Achieving sustainable management of boreal and temperate forests

Edited by: Dr John A. Stanturf, Estonian University of Life Sciences, Estonia

1. The scope and challenge of sustainable forestry: Philip J. Burton, University of Northern British Columbia, Canada

Part 1 Tree physiology

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3. Advances in understanding canopy development in forest trees: W. Keith Moser, USDA Forest Service, USA; Adam P. Coble, Oregon Department of Forestry, USA; Lea Hallik, University of Tartu, Estonia; Andrew D. Richardson, Northern Arizona University, USA; Jan Pisek and Kairi Adamson, University of Tartu, Estonia; Russell T. Graham, USDA Forest Service, USA; and Cynthia F. Moser, LLC Flagstaff, USA
4. The response of forest trees to abiotic stress: Tanja G. M. Sanders, Thünen Institute of Forest Ecosystems, Germany; Peter Spathelf, University of Sustainable Development, Germany; and Andreas Bolte, Thünen Institute of Forest Ecosystems, Germany

Part 2 Forest ecosystem services and climate change

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