Special Issue

Forest Adaptation to Climate Change: From Individual Trees to Whole Stand

Message from the Guest Editors

This Special Issue addresses the fundamental problem of forest reaction forecast to climate change and increasing concentrations of greenhouse gases in the terrestrial ecosystems of the earth. The problem of tree-ring response to possible climate change is one of the most urgent problems of modern forest ecology. However, there is no reliable answer to how woody plants will respond to environmental changes in different forest stands and various physiographic zones. With this Special Issue, we aim to focus on: 1) Environmental control and/or genetic determinism of wood formation; 2) Methodological developments for the study of wood formation and tree adaptation to climate; 3) Ecophysiological approaches to wood functioning, and 5) Tree/Climate simulations and information systems. Sincerely, Professor Vladimir Shishov Professor Emilia Gutiérrez Dr. Phillipe Rozenberg

Guest Editors

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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