

## Special Issue

# Carbon and Water Cycles in Boreal Forest Landscapes

### Message from the Guest Editors

Boreal forests constitute important components in the global carbon and water cycles and thus strongly affect our climate system. Boreal ecosystems are unique in that they experience distinct seasonal dynamics in temperature, solar radiation and snow cover, which makes them particularly vulnerable to the severe climatic changes projected for high-latitude areas. Management practices and natural disturbances further affect their biosphere–atmosphere exchanges and lateral fluxes of carbon and water. Thus, we need to improve our understanding to better define the role of boreal forests in the global climate context and to develop sustainable and climate-responsible forest practices. We therefore call for contributions to this Special Issue in order to promote knowledge on the carbon and water cycles of boreal forest landscapes. We encourage all types of studies including experimental, monitoring and modeling approaches across all scales in both natural and managed forest ecosystems. We also welcome studies on strategies related to climate change mitigation, adaptation, and sustainable forest management.

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 October 2019)



## Forests

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### Editor-in-Chief

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