Special Issue

Forest-Climate Ecosystem Interactions

Message from the Guest Editors

The terrestrial biosphere plays a major role as a dynamic component of the climate system. Large-scale changes in vegetation cover can alter climate processes both locally and globally. Feedback interactions between forest biogeophysical processes and climate can either enhance or mitigate climate change and many unknowns still exist regarding these interactions, as is evidenced by the large uncertainty contributed by land cover to Earth System Model projections. To address this uncertainty and document new insights into forestclimate interactions, this issue will feature research that seeks to better understand forest biogeophyscial or biogeochemical processes and climate interactions, the influence of plant functional processes, and the quantification of interactions between the water-energyclimate nexus. It focuses on new approaches which combine ecosystem and forest modeling with forest monitoring, land-atmosphere interactions with a focus on changes to albedo, evapotranspiration, vapor pressure deficient, and carbon fluxes to estimate carbon storage. We welcome submissions that investigate these dynamics across all scales and regions.

Guest Editors

Dr. Jennifer A. Holm Lawrence Berkeley National Laboratory, Berkeley, CA, USA

Dr. David A. Lutz Environmental Studies Program, Dartmouth College, 6182 Steele Hall, Room 113, Hanover, NH 03755, USA

Dr. Luxon Nhamo

1. Water Research Commission (WRC), Water Utilisation in Agriculture, 4 Daventry St, Lynnwood Manor, Pretoria 0081, South Africa 2. Centre for Transformative Agricultural and Food Systems, School of Agricultural, Earth and Environmental Sciences, University of KwaZulu-Natal (UKZN), Scottsville, Pietermaritzburg 3209, South Africa

Deadline for manuscript submissions

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Message from the Editor-in-Chief

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Dr. Timothy G. F. Kittel Institute of Arctic and Alpine Research, University of Colorado Boulder, Boulder, CO 80309-0450, USA

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