

## 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 forest-climate interactions, this issue will feature research that seeks to better understand forest biogeophysical or biogeochemical processes and climate interactions, the influence of plant functional processes, and the quantification of interactions between the water-energy-climate 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.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2022)



## Climate

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## About the Journal

### Message from the Editor-in-Chief

*Climate* (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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### Editor-in-Chief

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