



Remote Sensing and Ecosystem Modeling for Nature-Based Solutions

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Message from the Guest Editors

Nature-based solutions (NbCS) represent sustainable planning and environmental management that weave natural features or processes to promote carbon neutrality, climate change adaptation, and meteorological extreme resilience. Potential pathways involve increasing carbon storage through afforestation/reforestation or reducing carbon emissions by halting deforestation. Assessing NbCS benefits and impacts requires advanced understanding of current forest dynamics and responses to climate change.

This Special Issue seeks submissions that explore the use of remote sensing and ecosystem modeling to quantify carbon mitigation potential, evaluate vulnerability and resilience to climate change, and assess the implementations of NbCS. We welcome research that focuses on improving remote sensing techniques and products for monitoring forest biogeochemical cycle, ecohydrological and energy budget, as well as work that integrates remote sensing with empirical or process-based modeling that can contribute to understanding the role of nature-based solutions in achieving carbon neutrality, climate change adaptation, and meteorological extreme resilience.





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Message from the Editor-in-Chief

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