



Trends and Controls on Greenhouse Gas Fluxes from Arctic and Alpine Freshwaters

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Message from the Guest Editors

Polar and alpine freshwaters are strongly influenced by climate change. Changes in their physical, chemical, and biological structuring are reflected in ecosystem-scale greenhouse gas fluxes. In fact, some lakes and rivers forming on the permafrost have been shown to act as pipelines releasing globally significant amounts of CO₂ and CH₄ to the atmosphere. While there is ample evidence on the magnitude of these emissions, there is relatively little work focusing on their control, both in space and time.

For this Special Issue, we invite all research that aims to understand what drives the flux of GHGs in arctic and alpine freshwaters in the context of ecosystem connectivity and global environmental change.

For more details, please find at:

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Message from the Editor-in-Chief

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