



GIS and Glaciers Landscape: Past and Present

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Message from the Guest Editors

Glaciers are very relevant to understand the planet's climatic evolution. The signs of their development in the past allow researchers to reconstruct the paleoclimatic evolution in many mountains worldwide. Analyzing glacier current, glacier extension, and especially their evolution in the last decades transforms these landforms regarding key elements to measure the global change importance in our planet at present.

Studies in glacier zones include multiple temporal scales. Since thousands of years are a short period, the combination of the past and present have a main role in understanding their possible evolution in the future years or centuries. Geographic Information Systems (GIS) are very useful tools for mapping in detail landforms and sedimentary deposits, as well as not only current elements but also the marks of glacier extensions or their impact in the landscape. Using GIS software allows researchers to obtain greater knowledge about the current changes in these areas and to predict their possible evolution.



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Message from the Editor-in-Chief

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