

The Cryosphere Discuss., author comment AC1
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Reply on CC1

Levan G. Tielidze et al.

Author comment on "Strong acceleration of glacier area loss in the Greater Caucasus between 2000 and 2020" by Levan G. Tielidze et al., The Cryosphere Discuss.,
<https://doi.org/10.5194/tc-2021-312-AC1>, 2021

Dear Dhruv Maniktala,
Thanks for your comment.

A slightly warmer climate on the southern slopes does not mean that the decrease rates should definitely be higher on the southern slopes than those on the northern slopes. It depends on many aspects, such as, for example, the geometry and morphology of the glacier, debris coverage, radiation input, etc. Only after examining each component can we argue about similarities or differences.