

The Cryosphere Discuss., author comment AC1
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Reply on RC1

Rossana Serandrei-Barbero et al.

Author comment on "Effects of climate change on the valley glaciers of the Italian Alps" by
Rossana Serandrei-Barbero et al., The Cryosphere Discuss.,
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We read your comment to our manuscript with great interest:

- We added the suggested column in Table 1
- Given the size of response times of the considered glaciers, we do not think that positive mass balances before 1980 can influence the projections to 2018-2100.
- Glacier photographs are published in the reports of annual glaciological surveys (<http://www.glaciologia.it/en/i-ghiacciai-italiani/le-campagne-glaciologiche/>). We added a link in chapter 3.1.

Line 255: our response time matches the definition of the response time in Coogley et al. (2011), applicable to both lengths and volumes, and is comparable with the mean values given by Paul et al. (2004), which are indicative for the generality of Alpine mountain glaciers.

Thank you for your suggestions, we added all the required corrections to the manuscript.

Best wishes,

Sandra Donnici