

Dear editor,

Thank you for the acceptance of our paper subject to the last three technical corrections pointed by Referee 1, which we have corrected in our final manuscript.

Additionally, we have added a minor sentence with a reference in the introduction to reinforce the importance of debris cover (line 31): “As such, debris cover has been recognised as an essential mountain climate variable (Thornton et al., 2021).”

To be fully transparent and open about future co-authorship contributions to the dataset (lines 436 to 444), we have added the following statement (in blue) to the already existing policy (in black):

~~Authors of~~ *According to the authors' understanding of FAIR principles, authors of published literature and published data, that:*

- Correct existing data within DebDaB, in case of errors*
  - Send the raw data from digitised figures*
  - Submit additional data that was previously unavailable (for example, accurate coordinates or additional data or metadata which is not already available)*
- will have the right to be added as co-authors on the database in Zenodo. The authors are working to reevaluate their policies to conform to changes or unusual circumstances in authorship contributions, and are happy to involve eager people in the core team.*

Finally, we have added an acknowledgement sentence for the editors and reviewers (Lines 465-466).

Thank you very much, we look forward to seeing the manuscript published.

The authors