

# **The long-term hazard cascade of an unprecedented wildfire in a tropical mountain ecosystem**

## **Response to reviewer comments**

Thank you for helping us properly differentiate debris flows from debris floods. This is an important distinction and we appreciate your help providing references and guidance too. We have updated both definitions in Appendix D.

## **Additional Changes**

In addition, we have made minor additions due to the extremely relevant publication in Nature by [Mason et al. \(2026\)](#), published 2 weeks ago. The authors of that paper used sediment cores from within the wildfire-affected area to prove that no major fire had occurred in the alpine zone (>3800 m) for at least 12,000 years prior to the 2012 event. This supports the narrative in the paper relating to the role of climate change in the Rwenzori fire and the subsequent cascade.

I have attached a tracked changes file again so you can see the minor additions to Abstract, Introduction and Conclusion, inserting the reference and minor details where relevant.

We have also made a minor update to the title to reflect that the 2012 Rwenzori fire was without precedent fire in the Holocene. And we thought that long-term was more accurate a description than multi-decadal in this case.

Best wishes from the authors.