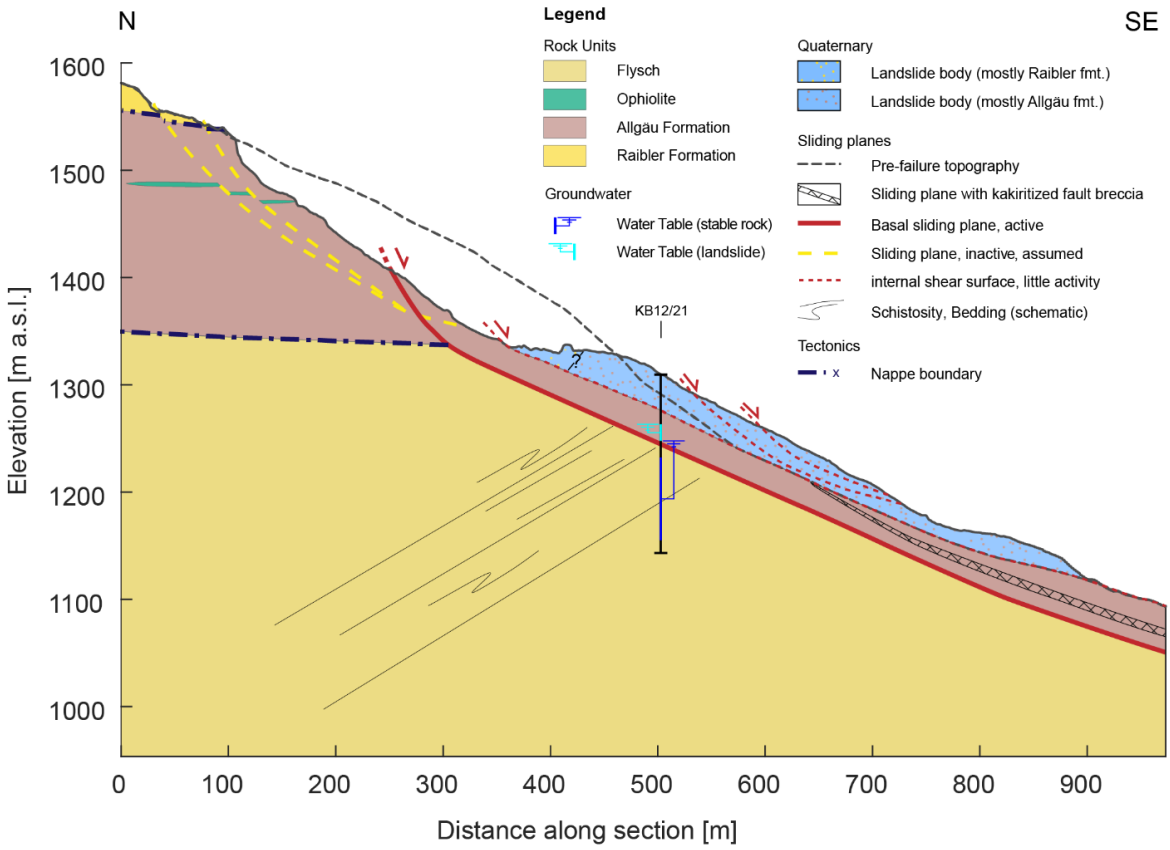
Thanks very much for your thorough edits! We really appreciate it. I've made all the changes to the bibliography requested, and have a few notes below. Regarding the bibliography, we changed the referencing style to use the template provided by Copernicus, to hopefully better conform with the Journal's standards.

- In Fig. 2, there are some schematics for the borehole KB12/21, respectively, the blue and cyan vertical lines and horizontal signs. What do they represent? Should you put them in the legend?

This is a great catch, thanks! We have updated the Figure as below. These different lines represent the water tables in the stable bedrock and Igl Rutsch landslide body, respectively.



- Please check the sentences where formula are given as see if : are needed;

We checked and corrected this. In particular we deleted a colon before the reference to Eqn 6, and added one before Eqn 7.

- Could you check, for example, line 390 from the revised manuscript, whether the "IGL" is written correctly or if it is with a small L instead of I?

We checked and corrected all references in the manuscript. Your right that it should be capital I and not small l.

- reference Bouchut, F., Mangeney-Castelnau, A., Perthame, B., & Vilotte, J.-P. (2003). A new model of Saint Venant and 455 Savage–Hutter type for gravity driven shallow water flows. Comptes Rendus Mathematique, 336(6), Article 6. https://doi.org/10.1016/S1631-073X(03)00117-1 has the doi link broken and pages 531-536

I double checked this but I think the link is correct. The link leads to an institutional website, but I checked this on the journal homepage and the DOI provided there also leads to the same institutional page. I therefore assume that the link is correct.

- reference Casulli, V. (1990). Semi-implicit finite difference methods for the two-dimensional shallow water equations. Journal of Computational Physics, 86(1), 56–74. https://doi.org/10.1016/0021-9991(90)90091-E has the doi link broken

As above, I double checked it but I think the link works.