

[Author response to editor comments](#)

To the authors,

You have done a good job addressing the comments of the reviewers and I find the manuscript to be near ready for publication. I only provide some minor specific suggestions below.

Best regards,
Alex

[Thank you for your suggestions. We have incorporated all of them in the latest version, as you will see in the accompanying track changes file.](#)

Specific comments:

L12: all our => all of our

Figure 1: Consider using a color-blind friendly palette, or at least one with more subdued colors.

[The previous version did appear to be colour-blind friendly when tested, but the subdued colours look a lot better either way! Thank you for this suggestion, which has greatly improved figure 1.](#)

Eqs. 3 & 4: As a minor recommendation, consider reformatting to make Eqs. 2, 3 & 4 easily comparable. This could be done by giving all three equations a format like: $\tau = X * v/|v|$, where X is the term that is different in each case.

L159: Each simulation is run for 20 years => After optimizing, the sliding parameters are fixed and each simulation is additionally run for 20 years

L161: influence the => influence on the

L167: Please reiterate here which value of M_{\max} is used for clarity.

[M_{max} is in fact not used at all in this case, an important clarification to add.](#)

L253: "higher values of m respond". <= please rephrase slightly as the values of m do not respond.

Figs. 7 & 8, captions: The contributions of each region => The contributions of the whole domain as well as of each region

L309: Kohler Glaciers, the same locations => Kohler Glaciers - the same locations