

Supplementary to Review #1

Dear Reviewer,

Thank you for your constructive comments. Please find below our point by point reply to your comments and how we have adjusted the paper accordingly.

- 1) The paper highlights (page 11) the importance of the impact of climate forcings on the results of the entire chain, a comment that I consider extremely interesting. It should in my view, also be highlighted in the conclusions. Furthermore, the importance of the size of the modelled basins, as in addition to the native resolution of the hazard map (already cited in the conclusions), could also be better commented in the conclusions.

We agree that these model characteristic-based conclusions are one of the valuable insights that this study provides. We therefore reworked section 5 (Conclusions & Outlook) so that it better highlights these findings. The new text can be found on p. lines 496-498. In addition, we improved the text quality of this section.

- 2) Minor comments page 14, row 434 change numbering to 4.5 page 15 row 469 change, accordingly, numbering to 4.6.

We adjusted the numbering based on your suggestion.

- 3) Conclusions, page 16, row 491 it may be correct to quote again the work of Rudari et al. 2015, which comes to similar results.

Thank you - we have added the reference to Rudari et al. (2015) in section 5 (Conclusions & Outlook, p. 16, line 495).