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To the Editorial board of "Natural Hazards and Earth System Sciences"

Dear Editor and Reviewers,
thanks for the time spent on the review. Below we insert a point-by-point response to the reviewer comments.

All co-authors have seen and agree with the contents of the manuscript and there is no financial interest to report. We certify that the submission is original work and is not under review at any other publication. Thank you for your precious time and consideration; I look forward to hearing from you.

Sincerely,
Carlo Tacconi Stefanelli

In red are reported our answer to the comments of the Authors:

Referee #1

There are still some minor typos remaining, which need to be corrected, according to the attached file.

The most important element concerns Figure 2, which should be self-explanatory and which, as currently inserted, is incomprehensible..... If the Authors refer to other papers to understand the legend, it is necessary to at least include a link to the papers (Persits et al., 1997; Styron and Pagani, 2020 which, among other things, are not even included in References...), so that the reader has the possibility of immediately consulting the legend, without having to find the papers.

-Thanks for the meticulous review, we modified the text according to the proposed corrections. We regret the poor comprehensibility of Figure 2, which however was requested by two previous reviews. We have therefore added a link to the cited papers (also added on the references) as suggested.

Referee #3

as indicated above,

I have no major comments on this manuscript - I would just recommend reducing the number of figures and maps (now: 27!), maybe 3-4 moving to annexes, .. some replacing by explanatory text. To have max 20 figs (and maps included).

Maybe some zoom into zones with higher damming susceptibility could be of interest to accompany the general map.

- We definitely agree on reducing the images and some have been merged or replaced with explanatory text as suggested. We managed to reduce the number from 29 to 22, leaving those that we believe are the most important to understand the work done.