

Dear Reviewers,

Thank you for taking the time to review our manuscript and for your insightful comments. In this response, we address your remarks and detail the changes made to the original manuscript in accordance with your suggestions.

To enhance clarity, we have employed the following text styles:

black, italics: your comment

blue, plain text: our reply

blue, italics: revised text

Reply to Natascha Töpfer

1. Your reference list includes works “under review”. Such works can be cited upon submission if being available to the reviewers. They should not be cited in the final, accepted manuscript, unless published, accepted for publication, or available as preprint with a DOI. 2.

Okay, as the paper is still under review, we have omitted the reference from the revised text:

“3.5.2 Type of movement (slide or flow)

To standardize the distinction between slides and flows, we employed a standard Convolutional Neural Network (CNN) specifically designed to recognize the distinct shapes of slides and flows. The CNN was trained with data from the Casola Valsenio municipality. This area was chosen due to its highly accurate manual mapping, and because it served as the initial training ground for the mappers where classification challenges were collaboratively discussed.”

2. Table 1 contains coloured cells or/and coloured values. Please note that this will not be possible in the final revised version of the paper due to HTML conversion of the paper. When revising the final version, you can use footnotes or italic/bold font.

We have removed the colored cells from Table 1 as they are unnecessary; the different lithological groups (1-3 and 4-8) are explained in the caption.