

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2
<https://doi.org/10.5194/nhess-2021-112-RC2>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.



Comment on nhess-2021-112

Anonymous Referee #2

Referee comment on "CHILDA – Czech Historical Landslide Database" by Michal Bíl et al.,
Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-112-RC2>,
2021

The paper gives a good overview over the set up, data sources and content of the new Czech landslide database. The work is thorough, the presentation clear and the language appropriate. There are a few points that need to be discussed:

- in the introduction and overview of landslide registers in the area, you name many studies and the number of slides that they encompass. In total, there are over 2000 slides mentioned. Why do you end up with only 667? You could add a table setting up all possible sources named in the introduction and then tell us if you use the data and if not, why
- I recognise that you use no references to international classifications and definitions in your choices of parameters and drop lists. Most of these have definitions. I am quite sure, that there is an iso standard for spatial and temporal uncertainty. For the landslides we have the modified Varnes classification
Hungr, O., Leroueil, S., Picarelli, L., 2014. The Varnes classification of landslide types, an update. *Landslides* 11, 167–194. <https://doi.org/10.1007/s10346-013-0436-y>

Varnes, D.J., 1978. Slope movement types and processes [Tipos y procesos de movimiento de pendientes]. *Landslides Anal. Control. Transp. Res. board Spec. Rep.* 176 1, 11–33.

International compatibility is only achieved when international terms and definitions are used

- You discuss the temporal distribution of the slides during the last centuries. There is no chance that there is other reason than missing sources and documentation. Even today, manual registration is not very reliable and only remote sensing can give you the right answer on all landslides
- Please elaborate more on the decision of stopping data acquisition in 1989. I am sure there is a lot of valuable data available for the period after.
- Are you sure, you have designed the database for future data in the form of polygons or even 3D data?

We have had many of these discussions when we set up our database in 2004 and many are still not well answered. I wish you good luck and hope that you manage to find many

more slides and that you will be able to share tme with your european colleagues.

Please also note the supplement to this comment:

<https://nhess.copernicus.org/preprints/nhess-2021-112/nhess-2021-112-RC2-supplement.pdf>