

Earth Surf. Dynam. Discuss., referee comment RC2
<https://doi.org/10.5194/esurf-2022-24-RC2>, 2022
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Comment on esurf-2022-24

Anonymous Referee #2

Referee comment on "Development of the morphodynamics on Little Ice Age lateral moraines in 10 glacier forefields of the Eastern Alps since the 1950s" by Sarah Betz-Nutz et al., Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2022-24-RC2>, 2022

The manuscript presents remote sensing epochs of several lateral moraine slopes, and analyses the morphodynamics at each site. It is well-presented, with clear figures and understandable text.

Main Comment:

It would be good to have a slightly longer discussion if possible. Most of the paper focusses on methods, which, although important, does not lend to as significant a contribution to the field. Tying what the authors analysed and extracted from the data to a broader discussion of morphodynamics and even stresses in slopes (stress paths) would strengthen the paper. The authors can certainly highlight the high resolution (spatial and temporal) of their analysis more, and expand on interpretations. A clearer link between observations and potential geomorphic processes, considering all options, is needed.

See attached for further comments.

Please also note the supplement to this comment:

<https://esurf.copernicus.org/preprints/esurf-2022-24/esurf-2022-24-RC2-supplement.pdf>