

Earth Surf. Dynam. Discuss., editor comment EC1
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Comment on esurf-2021-36

Jens Turowski (Editor)

Editor comment on "An Update on Techniques to Assess Normal Mode Behavior of Rock Arches by Ambient Vibrations" by Mauro Häusler et al., Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2021-36-EC1>, 2021

Dear authors,

we have received two reviews, both of which are generally favourable. Reviewer #1 accidentally commented on the initially submitted version, so please ignore any specific comments that have already been addressed in your revisions.

There are a few requests for revision. Reviewer #2 asks for some more background information on the methods and analysis, particularly for readers that may be unfamiliar with the methods. Reviewer #1 also asks for some method clarification. Both reviewers highlight unwarranted statements about the robustness of the methods, and the lack of a real uncertainty analysis and / or benchmarking. This last points seems to be the most important to me. Reviewer #1 suggest that this can be addressed by a more extensive literature discussion. However, it would definately help if you could provide some more direct demonstration.

Together with the revised paper, please provide a detailed rebuttal addressing all of the reviewers' comments. We are looking forward to reading your revised manuscript!

With best wishes, Jens Turowski

(handling associate editor)