

## ***Interactive comment on “Quaternary lava tubes distribution in Jeju Island and their potential deformation risks” by Jungrack Kim et al.***

### **Anonymous Referee #1**

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The manuscript presents an original application of a number of combined methods including InSAR, machine learning, field mapping, spatial analysis. I think it's a good job but it needs to be presented properly. It is written in a confusing way, I had a lot of difficulty reading the different parts of the text. The geological background is very poorly written and the presentation of the data is confusing and further complicated by an excess of acronyms. I recommend two things: 1) a good revision of English, and 2) a rereading done by people other than the authors who can help simplify the text. For the rest, I think it is a really very interesting job and that it can have a good result in terms of audience. Attached you will find a pdf with the main comments.

Please also note the supplement to this comment:

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<https://nhess.copernicus.org/preprints/nhess-2020-321/nhess-2020-321-RC1-supplement.pdf>

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2020-321>, 2020.

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