Natural Hazards
and Earth System
Sciences

Open Access

EGU

Discussions

Interactive comment on "Efficacy of using Radar Induced Factors in Landslide Susceptibility Analysis: case study of Koslanda, Sri Lanka" *by* Ahangama Kankanamge Rasika Nishamanie Ranasinghe et al.

Anonymous Referee #2

Received and published: 8 March 2019

The paper deals with a topic of interest for the journal. I think it could be of interest for the readers. However, in my opinion there is still work to be done in order to make it suitable for publication. Here below my comments: - As the other reviewers, I think it is not well organized. The abstract is "strange". It is not a good summary of the paper. I think also that the introduction is not well focused and too long. And I see too long sentences which sometimes makes difficult the understanding. Can you improve it?

- The quality of the figures is poor. Why don not use colour figures??

C1

- The analysis of the results is also very qualitative. In the conclusion, the authors say that "with the integration of RIF as surface roughness, near surface soil moisture 15 from Delta Index, and forest biomass, the detection of the boundary between the high and very low susceptibility areas is increased". However, it is not well demonstrated from the given results and explanation. Can you improve it?

- I am not sure that from the result one can conclude that RIF helps to improve the results. I see very similar results by using and by not using the RIF parameters. Please, can you improve your analysis in order to be more convincent or change the conclusion?

Nicel luck and best regards