

## ***Interactive comment on “Earthquake-induced debris flows at Popocatépetl Volcano, Mexico” by Velio Coviello et al.***

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The paper by Veio Coviello et al. titled "Earthquake-induced debris flows at Popocatépetl Volcano, Mexico" is a tiny substantial and interesting contribution to scientific progress within the scope of Earth Surface Dynamics. The paper addresses relevant scientific questions and presents novel data applying multiple-approach methods to resolve a scientific issue. In the manuscript, it is stressed that those kinds of events have never been described before at Popocatepetl volcano. The paper is generally well written although It could be slightly improved. I'm not an English mother-language speaker, then I suggest an extra check for the English grammar. Indeed, I've found some minor grammatical errors in the text that should be considered. Methods and assumptions are valid and clearly outlined. The manuscript

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reveals a commitment to the research presented and a strong field-based work that adds value to the topic. Lab data and computer elaborations of satellite images are provided and well presented. Results discussed are presented in an appropriate and balanced way. References are proper for the presented manuscript as well as the title and the number of figures. Figures and figure captions should be more precise as I mentioned in the attached PDF version. In general, I suggest minor to moderate revisions. With kind regards, Matteo Roverato

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Please also note the supplement to this comment:

<https://esurf.copernicus.org/preprints/esurf-2020-36/esurf-2020-36-SC1-supplement.pdf>

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