

Interactive comment on “Geophysical and Geodetical Investigation of A Landslide Area (Koyulhisar-Sivas, Turkey)” by Sevda Özel et al.

Anonymous Referee #2

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Title: Geophysical and Geodetical Investigation of a Landslide Area (Koyulhisar-Sivas, Turkey)

Journal: Natural Hazards and Earth System Sciences

Dear Editor,

My review for the paper entitled “Geophysical and geodetical investigation of a landslide area (Koyulhisar-Sivas, Turkey)” is given below. The paper presents geophysical and geodetical applications to investigate one of the most active landslides areas in Turkey. Mainly, it is not well-organized and includes many repetitions in the text. In addition, complicated text with long sentences can often leave the reader tired and confused. Also, I think that researchers were not successful to generally

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identify the geometry of the landslide under consideration. An electrical resistivity tomography (ERT) study could be more proper geophysical technique instead of ground-penetrating radar (GPR) together with the seismic refraction tomography (SRT) for investigation. Considering the geodetic survey, the results of GPS measurements showing the amount of displacement in the survey area belongs to previous researchers. Therefore, the geodetic investigation is not one of the main parts of this exploration. Thus, I suggest a major revision for the paper considering its current form.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-153/nhess-2018-153-RC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-153>, 2018.

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