

# ***Interactive comment on “Study on monitoring and numerical analyses of groundwater variation and inclinometer displacement induced by heavy typhoon rainfall” by Ching-Jiang Jeng and Chia-Yu Yang***

## **Anonymous Referee #1**

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The authors present geotechnical data from the densely monitored campus area of the Huafan University in Taiwan. The campus is situated on a slowly displacing hillslope. The data consists of several displacement and hydrological observations. The authors also perform some basic correlation analysis and run commercially available software for pore water pressure and slope stability (GeoStudio software). The authors have presented most of the monitoring data before in several contributions among which in NHESS, 2016 (Jeng and Sue, Nat. Hazards Earth Syst. Sci., 16, 1309–1321, 2016).

Although the authors have an impressive data set, the manuscript is merely a geotech-

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nical report: It give data, some numerical results (uncritically) but it lacks a scientific problem description and a clear objective. Scientifically, the authors do not present a novelty, not in data itself, nor in its analysis, not in the methodology and not in increased process understanding. And therefor, it is logical that the manuscript starts with "This research focuses on the dip slope area of the Huafan university." It is a description of a site, not of a scientific question. This becomes also evident when looking at the reference list: 14 references of which 10 (co-) authored by the principle author of this manuscript. In my opinion this is clear self-plagiarism and already for this reason the manuscript must be rejected in NHESS.

This technical report is in my opinion far from suited for NHESS-D or NHESS. I advice the authors to read national and international literature on hydrogeology and slope stability of deep-seated landslides, come up with intriguing and interesting research questions and use their fabulous data set to solve it. I am quite sure the authors should be able to produce interesting papers from this data set.

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