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Comment on nhess-2022-240

Anonymous Referee #2

Referee comment on "PERL: a dataset of geotechnical, geophysical, and hydrogeological parameters for earthquake-induced hazards assessment in Terre del Reno (Emilia-Romagna, Italy)" by Chiara Varone et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-240-RC2>, 2022

The authors present a geotechnical database for soil liquefaction in Emilia-Romagna, Italy. Such studies are valuable especially for carrying forth investigations in the future. The database can be used in diverse studies. Thus, the study is meritorious. However, the serious concern from my side is that the authors do not clearly state the problem. They need to refer to some standard publications that address soil liquefaction issues after major earthquakes. Based on the shortcomings of those studies, they can better define the problem and proceed with their database. Also, a dissection of the database is required to justify the novelty of the work. For instance, they could easily use some statistical inference to tell the audience about the uniqueness of the data. Implications can be also networked with the database that is prepared. In its current form, the paper looks more like a report. Please flesh up to give life.