

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1  
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## **Comment on nhess-2022-240**

Anonymous Referee #1

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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-RC1>, 2022

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The Authors provided a freely accessible database of investigations for an area affected by Emilia earthquake in 2012. The data are very useful, although they are located in only one municipality. My suggestion is to improve the details on the study area in terms of:

- Insert the areas affected by liquefaction
  
- few sentences on geological setting are necessary
  
- Present a geological cross-section of the study area
  
- Figure 2 should be made of 2 maps, one for point investigations and another for linear, as the latter are not visible
  
- Several typos are present in the manuscript, please check
  
- In the conclusions, provide more comments on how you used or will use these data in the future.