Reply on RC2
F. Bucci

Community comment on "A new digital lithological map of Italy at the 1:100,000 scale for geomechanical modelling" by Francesco Bucci et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-26-CC4, 2022

We thank Enrico Tavarnelli for the appreciation of our work.

In his report, Enrico Tavarnelli underlines the importance of a detailed cartographic representation of lithology, recognizing the fundamental role of lithological distribution in the analysis of geomorphological hazard and land management. We are pleased to know that our work is considered a valuable example of the applicability of this universal concept.

In addition, we are pleased to know that our study is considered of prime aid to anyone that has an interest in understanding the geological evolution of Italy and the resulting distribution of lithologic formations. We are grateful for this specific appreciation because we have paid special attention to the reclassification of geological classes in lithological ones, trying - as far as possible - not to impact the original regional difference in the representation of the lithology.

Finally, we thank Enrico Tavarnelli for the minor revision suggested, which will be entirely incorporated in the final version of the manuscript.