

Interactive comment on “Added value of geophysics-based soil mapping in agro-ecosystem simulations” by Cosimo Brogi et al.

Cosimo Brogi et al.

c.brogi@fz-juelich.de

Received and published: 7 February 2021

Dear Jacopo Boaga,

Thank you for the time you invested to evaluate our manuscript and for the comments that will be carefully addressed.

Once the open discussion of the manuscript will come to an end, we will provide a new edited version of the manuscript and a response letter where comments and edits from both referees as well as other eventual sources will be addressed and discussed in detail.

C1

We will also work on expanding the descriptions and details of the methodology that was used to produce the EMI-based soil map. This is described in detail in a previous publication to which we often refer to in the manuscript (Brogi et al. 2018 Geoderma), but we will carefully go through the manuscript to verify that all the necessary information are given to the reader. We will also include the possibility that future studies could make use of inverted EC maps when rewriting parts of the conclusions as suggested by the first referee. However, we hope you will understand if these parts will not be long-winded as the geophysics-based product that we use was produced in a previous separated study and we do not apply meaningful changes to such geophysical approach.

Thank you again for your time, Cosimo Brogi, on behalf of all co-authors

Interactive comment on SOIL Discuss., <https://doi.org/10.5194/soil-2020-78>, 2020.

C2