

## ***Interactive comment on “A new model for intra- and inter-institutional soil data sharing” by José Padarian and Alex B. McBratney***

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Received and published: 14 October 2019

Thanks for your comments Dominique.

Regarding your comment:

**Page 6 line 11. This election process might be difficult to establish (I mean the rules).**

**Is it based on individuals, is it proportional to the data you provide as input? to the number of times you provide new data? This might not be simple and lead to endless discussions. I think you should discuss this. Who establishes the rules? How is the consortium formed. etc. As it stands it seems very simple, but may be it is a bit naive to think that it will work smoothly without a lot of prior**

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### **negotiations?**

In this paper, and particularly in Section 5.1, we focused on the technical implications of using blockchain instead of the legal/organisational aspects of creating a consortium. From a technical point of view, any of the situations you mentioned can be implemented and changed over time via a democratic process aided by a blockchain-based platform, but such platform cannot replace the initial negotiations nor the effort of setting rules. Hopefully, some of the technical advantages of using a blockchain-based platform (e.g. immediate data access, maintaining control and governance over the data) will reduce the number of points to negotiate. We will add an extra paragraph to clarify that and raise some of the challenges you mentioned.

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Interactive comment on SOIL Discuss., <https://doi.org/10.5194/soil-2019-65>, 2019.

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