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# *Interactive comment on* "Using ordered weight averaging (OWA) for multicriteria soil fertility evaluation by GIS (case study: southeastern Iran)" *by* Marzieh Mokarram and Majid Hojati

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Dear Dr Oliva, Thank you for your great comments about this paper. Here is the changes based on your comments:

"the study section needs to incorporate some basic information for the reader (climate conditions, water availability, geology, human pressure, etc). You have to consider than the reader is not familiar with the area and you need to provide all the basic information that influences agriculture production in your study site."

Respond: As you mentioned we have added more information in the study area section. These information is about the climate condition which is semi-arid climate, a



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summery of the case studies geology and demography is added too.

"Regarding the methods, you don't mention what strategy you followed when collecting the 45 samples and this should be clarified."

Respond: The sample points are selected using a random selection method among the wheat agriculture fields. There was some legal limits with some land owners which they did not allow us to sample their fields also. The sampling method is added to the paper.

"There is no interpretation of the results and the authors go straight to the conclusions. Results must be interpreted and discussed. What is new and different with respect to previous studies? Are similar/different approaches with similar/different results been implemented in other areas with similar environmental settings? Please support your results comparing your data with other similar studies around the world."

Respond:The discussion section is added to the paper

"In conclusion, I would propose a structure as follows: - Introduction - Study Area Materials and methods - Results - Discussion - Conclusions - Acknowledgements (I don't see any in the current version)"

Respond: the structure is now changed based on the suggested structure. Acknowledgements section is added too.

"Abstract l. 16 space before "So" l. 16-17. This sentence says the same than the for merone. Delete"

Response: The mistakes are corrected.

"Key words: study area should be included."

Response: It is added now.

The new version of file is attached to this comment as supplement Thank you so much





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Please also note the supplement to this comment:
http://www.solid-earth-discuss.net/se-2016-17/se-2016-17-AC1-supplement.pdf

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-17, 2016.





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