

Interactive comment on “A fuzzy intelligent system for land consolidation – a case study in Shunde, China” by J. Wang et al.

Anonymous Referee #2

Received and published: 8 June 2015

Generally this paper tries to make an effort to develop a tool to evaluate the potential of a certain site for land consolidation. But the way it is explained is in my opinion not suitable for the audience of Solid Earth. The presentation of the research is messy and unnecessarily complex. Also it is not very clear anywhere in the paper what is the benefit of this new methodology, the WHY and WHAT questions should be clear. In the introduction as well as in the discussion and conclusions. Explain in the abstract and in the introduction what you mean with fuzzy measures. Why you want to use this. what is the benefit. Now in the abstract lines 10-20 are not understandable if you did not read the paper as a whole. Also the references is not done in the proper way. For instance the authors mention the three old consolidation project in the abstract, which the reader cannot understand at all. In general I think the story would be more clear if there would be a start with the explanation of the project with all details (of

C727

the three old project), now the details are all over the place in the paper. Make the story line rigid. Try to write more concise, more structured, with more commonly used English words, to make the story more comprehensible and more adapted to the SE audience. Try also to avoid the first person term 'we' in the text. Detailed comments: Introduction In the first sentence: rural conditions: explain which conditions and what has been destroyed. Not clear at all. Chap 1 line 15 the three old project: explain about the project. Here now very unclear why you mention this. Page 5: story line very messy. Also you use difficult words to tell easy things. Only distracting the reader from the message you want to get across. Write in easier words, shorter sentences. And explain fuzzy, explain what is Land index system. Page 6. Line 3: too difficult: why? Page 6, line 9: L1 norm: needs ref! Page 6, line 9: explain non-zero fuzzy Page 6. Line 11-13: omit Add in the end of your intro a clear objective of the paper! Materials and methods: Line 21: reconstruction of old villages: I thought you mentioned that the villages were demolished??? Page 7: line 3: destroyed? By what? Line 9: same problems: which ones? Explain! Page 8 line 12: materials: what kind of materials? Line 20-25: lot of redundant info, and not a very scientific way to describe the whole process, also it is unclear to me what kind of indexes you are referring to other than the ones you introduced yourself on this page. Again: messy structure Page 9 line 1: research... needs ref. rough sets??? What is that? Raw data? Line 7: here you finally introduce fuzzy logic... should have been done much earlier. Page 10 line 11-15. I count here the word fuzzy really too many times... Page 11 1-14: very unclear section. Make more clear Page 12; line 16-22: make more clear too Page 14, line 6-16: reads nice, a nice summary, but why here?

Interactive comment on Solid Earth Discuss., 7, 1347, 2015.