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## ***Interactive comment on* “Evaluation of soil salinity amelioration technologies in Timpaki, Crete: a participatory approach” by I. S. Panagea et al.**

**I. S. Panagea et al.**

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The authors appreciate the effort of Anonymous Referee #1 for reviewing this submission and sharing his/her concerns. Comments were carefully taken into consideration for the manuscript revision.

The authors agree that in the original document WOCAT is applied in a case specific way that does not facilitate comparison with other study sites. While this is true, the results of this research enable expanding the local experiences to similar natural and human contexts in other salinization prone areas. The research process has facilitated learning between researchers and stakeholders and has helped improve our understanding of how SLM technologies tackle salinization and other desertification

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Discussion Paper



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Comment

threats in a comprehensive way. In the revised document, the authors have included a multi-criteria analysis method that allows for an objective ranking for technologies. This method expands the application of the WOCAT approach and allows comparison among a range of areas and problems where measure selection depends on stakeholder perception. Therefore, a tool is now provided to extrapolate to international studies.

Regarding the 3 points highlighted by the Referee: Comment 1: Lack of references in the discussion section (as I said, as it is now it looks more of a report than a research paper) Answer to comment 1: Some parts of the original manuscript were indeed poorly referenced. The revised manuscript includes improved reference. The discussion section (as most of the manuscript) has been rewritten leading to a more consistent and scientifically sound manuscript. However, it should be noted that this research is conducted at the interface of scientific research and development, which is still poorly represented in scientific journals and better outlined in gray literature.

Comment 2: Figure 2. Both two graphs need and increase in their resolution. Answer to comment 2: The authors have increased the resolution of Figure 2.

Comment 3: Figures 3 and 4. From the engineering point of view, those figure are not suitable for publication I am afraid. You need to refer them to a scale and give information about the dimensions. Answer to comment 3: Authors have replaced Figures 3 and 4 with more suitable graphics that reference scale and provide more information about the respective technologies.

The revised manuscript is attached as a supplement.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C1836/2016/sed-7-C1836-2016-supplement.pdf>

Interactive comment on Solid Earth Discuss., 7, 2775, 2015.

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