

Interactive comment on “Optimal Site Selection for Sittinga Solar Park using Multi-Criteria Decision Analysis and Geographical Information Systems (GIS)” by Andreas Georgiou and Dimitrios Skarlatos

Anonymous Referee #1

Received and published: 1 May 2016

The paper presents an applications of GIS for sitting a solar park using multi-criteria analysis. It is a very interesting paper with specific results for the area of study i.e. Cyprus island. Authors present with details the applied method however minor revisions are required to further proceed for publication.

1. Paper is structured somehow awkward. Authors should re-organize specific parts of the paper e.g. methodology and results in more compact format for improving paper's clearness. For example, 2.2. paragraph can be merged in the methodology part as a preprocessing step, 2.3. paragraph is natural continuation from 2.2 and no further

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numbering is required since the derived index images are inputs for the multi-criteria analysis. Also, paragraph 2.4 is the main methodology part and should be named like this. A clear methodology title is required where also 3.1 paragraph should be included.

2. Please explain the Figures 2-7 in the text and especially the figure 7. Results should be explained in detail.

3. Discussion part is totally missing. Please add a short paragraph explain your results in comparison with other relevant studies.

4. Authors should explain their choice on Landsat-8 product. Why they didn't use Sentinel-2/Spot/Aster etc images?

Minor comments: - Please add more info on the basic layers i.e. lines 105-110. For example which is the DEM spatial resolution? - Line 174: please explain the "random sampling method" selection. - Lines 243-245: Please omit or rephrase. If the method is correct no fine tuning should be required. - Reference in line 383. Please omit or add a proper reference i.e. product specifications of Landsat-8. - Figure 4. Please omit or change it. No info can be derived from it.

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