

Geosci. Model Dev. Discuss., referee comment RC2  
<https://doi.org/10.5194/gmd-2021-81-RC2>, 2021  
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## **Comment on gmd-2021-81**

Anonymous Referee #2

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Referee comment on "Locating trees to mitigate outdoor radiant load of humans in urban areas using a metaheuristic hill-climbing algorithm – introducing TreePlanter v1.0" by Nils Wallenberg et al., Geosci. Model Dev. Discuss.,  
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The authors have presented an interesting new tool TreePlanter that can be freely used in QGIS (as part of UMEP). Its main objective is to use trees to mitigate outdoor radiant load of humans in urban areas using a metaheuristic hill climbing algorithm by proposing the optimal location of trees in urban areas. Accordingly, TreePlanter can assist urban planners in future research on optimization of tree planting in urban areas to increase thermal comfort.

My main comments regarding some technicalities and unclear parts of the text are provided in the attached document. Answering these comments can further improve and clarify TreePlanter tool.

Please also note the supplement to this comment:

<https://gmd.copernicus.org/preprints/gmd-2021-81/gmd-2021-81-RC2-supplement.pdf>