

Geosci. Model Dev. Discuss., referee comment RC2  
<https://doi.org/10.5194/gmd-2022-114-RC2>, 2022  
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## **Comment on gmd-2022-114**

Anonymous Referee #2

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Referee comment on "Climate impacts of parameterizing subgrid variation and partitioning of land surface heat fluxes to the atmosphere with the NCAR CESM1.2" by Ming Yin et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2022-114-RC2>, 2022

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The authors have documented the implementation of parameterizing the subgrid land surface heat fluxes in CESM and its implication on the global climate in this manuscript. This research topic is very crucial in the Earth system modeling community. Please see the attached for a few places where the authors could clarify the manuscript.

Please also note the supplement to this comment:

<https://gmd.copernicus.org/preprints/gmd-2022-114/gmd-2022-114-RC2-supplement.pdf>