

Geosci. Model Dev. Discuss., referee comment RC1
<https://doi.org/10.5194/gmd-2021-192-RC1>, 2021
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Comment on gmd-2021-192

Olivia Romppainen-Martius (Referee)

Referee comment on "Globally consistent assessment of economic impacts of wildfires in CLIMADA v2.2" by Samuel Lüthi et al., Geosci. Model Dev. Discuss.,
<https://doi.org/10.5194/gmd-2021-192-RC1>, 2021

The paper introduces a new global wildfire functionality of the CLIMADA model. The description of the tool and the data sets are very clear and the potential and limitations of the new tool are clearly described. The paper is very well written. Two case studies further illustrate potential applications of the tool. There is a clear need for such a tool in the climate impacts and natural hazards communities.

Minor points:

Figures 2 and 3: All text in the figures and the colorbar labels are too small. I also recommend using no more than 7 -9 distinct colors in the colormap.

L170 & L173: Two times "on the other hand"

L199: intense --> high

L238: This is even harder --> please say explicitly what you mean by "this"

L250: Please add the following points to the discussion: Would it be possible to add an exposure different from litpop to the model? As litpop has some limitations with agricultural exposure it may be that a user has exposure data for agriculture. How would the user have to adapt the vulnerability function if they wanted to use different exposure data?