**Comment on essd-2021-443**

Anonymous Referee #2


The authors attempted to generate a new dataset of R factor on TP. This work is useful for water erosion modelling. I recommend a major revision. Please find below my suggestions for the current paper.

1. **Abstract:** The spatial resolution of the generated gridded annual rainfall erosivity dataset should be added.
2. **Introduction:** I suggest the authors add more information of the previous studies about the R factor on the TP.
3. **Precipitation data:** The detail information of the ERA5 data should be included in this section.
4. **The accuracy of the ERA5 data** should be examined at the weather stations.
5. **The procedure of how to reconstruction R factor in 1950-2012** is important. However, no more information could be found in the methodology section. I would suggest the authors to rewrite this section to make this part more clearly.