

## ***Interactive comment on “Application of a modified distributed-dynamic erosion and sediment yield model in a typical watershed of hilly and gully region, Chinese Loess Plateau” by Lei Wu et al.***

**Anonymous Referee #3**

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Dear editor,

The proposal named: Application of a modified distributed-dynamic erosion and sediment yield model in a typical watershed of hilly and gully region, Chinese Loess Plateau, is of great importance. However, prior to the publication the manuscript has to be improved in general aspects.

- Some sentences are written in poor English. It would be helpful if an English native speaker reads carefully through the text.
- In the methodology section, specifically review the method of extracting the LS-factor and the K-factor for this mountainous terrain.

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- The main problem of the USLE/RUSLE to be applied in other regions of the world was the percentage of organic matter for the k-factor analysis. How was addressed this issue with your proposal?
- To calculate the k-factor; It is not described clearly how the data were taken for structure and soil permeability.
- How it was developed the interpolation data for the different factors, considering that you have different formats as shown in Table 1.
- If the main objective of your proposal was to make a spatial and temporal study, before and after agricultural production. Why do not describe a rate of decrease in the forest or grassland? Yourself makes a previous analysis of this evolution in the paragraph (2.3) of materials and methods?
- The International System of Units (SI) would be best to express all the results of this manuscript.

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