

## ***Interactive comment on “Dangerous degree forecast of soil and water loss on highway slopes in mountainous areas using RUSLE model” by Yue Li et al.***

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In the introduction, In the third paragraph, in the literature review of the RUSLE model, the applicability of the model in the soil erosion of the expressway should be written, are there any related research results? What are the advantages and disadvantages of the comparison between the model and the traditional slope erosion model?

The value of C factor and P factor is almost referenced by previous research results, there are some defects in the accuracy of the data, but the author only modifies the P factor in solving the problem. How does the correction of C factor be reflected?

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In the research area, since we are studying soil erosion, we should introduce several factors related to soil erosion, such as rainfall and soil types in the study area. As a result, only the extraction results can be retained on the extraction of natural slope catchment area, and the specific extraction method can be deleted.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-406>, 2017.

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