

## ***Interactive comment on “Application of fuzzy representation of geographic boundary to the soil loss model” by G.-S. Lee and K.-H. Lee***

**G.-S. Lee and K.-H. Lee**

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The authors wish to thank for the useful comments and suggestions.

As you pointed out, it would make sense to review the variables of the RUSLE and we added that part in the revised version for better understandings about what we have done.

As far as it was concerned with field data, it was already pointed out by the reviewers and we strongly agree with this. It feels like we need to go out to the field to pick some dirt because there is some limitation to data availability. But we used some existing filed data in Korea for the revised version and we'll bear it in mind for further study.

Does the approach suggested herein need to be checked with some other variables? YES, Land cover, elevation, rainfall etc. might be good variables to work with to show weather this concept can work or not and these variables may have to be compromised to accommodate for the smoothing. In this study, we tried to demonstrate the concept

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and methodology for the first time but we are on schedule for this matter.

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