

## ***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.***

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Received and published: 10 October 2016

Response to Referee's Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-127, 2016.

Journal: Solid Earth Authors: Lei Wu, Xia Liu, Xiaoyi Ma Title: Application of a modified distributed-dynamic erosion and sediment yield model in a typical watershed of hilly and gully region, Chinese Loess Plateau

Reviewer 1

DOI: 10.5194/se-2016-127-RC1, 2016

C1

1. The figures can be improved in the manuscript. ✓ The Figures in this manuscript have been improved according to referee's suggestion. Please see Figure 1, 2, 3, 4, 7, 8, 10 in the back figure part of the manuscript. Thank you very much.

2. The authors must highlight previous research in the study area. ✓ We have added the previous research in the Loess Plateau, and we also propose this study based on the above analysis. Please see the Introduction section, Thank you very much.

Reviewer 2

DOI: 10.5194/se-2016-127-RC2, 2016

1. The language quality of certain sentences in this manuscript still needs to be improved. Therefore, a thoroughly check would be recommended. ✓ Thank you very much for your suggestion, we have thoroughly checked the manuscript and modified the English language. Thank you.

2. The Results section could be further discussed with the consideration of relevant literatures. ✓ We have further discussed the results section with the consideration of relevant literatures. Thank you very much for your suggestion.

3. The conclusion could be further summarized through a solid data support. Therefore, a rearrangement of the conclusions would be recommended in the revised manuscript. ✓ We have rearranged the conclusions according to reviewer's suggestion. Thank you very much.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/se-2016-127/se-2016-127-AC3-supplement.zip>

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Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-127, 2016.

C2