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Natural Hazards and Earth System Sciences
Discussions

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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Figure 1. Please make an overview image to know where exactly this area is in China. An overview image helps non-local scientists to realize where the study area is.

Rainfall erosivity: Why you don't use the algorithms proposed in original RUSLE for calculating the R-factor since you have very high resolution rainfall data (Renard et al, 1997). You can also take into account the recent published Global Erosivity paper which includes also R-factor data produced in China with high resolution rainfall data (and also compare with yours): Panagos, P., Borrelli, P., Meusburger, K., Yu, B., Klik, A., Lim, K.J., Yang, J.E., Ni, J., Miao, C., Chattopadhyay, N., Sadeghi, S.H., Hazbavi,

Z., Zabihi, M., Larionov, G.A., Krasnov, S.F., Gorobets, A.V., Levi, Y., Erpul, G., Birkel, C., Hoyos, N., Naipal, V., Oliveira, P.T.S., Bonilla, C.A., Meddi, M., Nel, W., Al Dashti, H., Boni, M., Diodato, N., Van Oost, K., Nearing, M., Ballabio, C. Global rainfall erosivity assessment based on high-temporal resolution rainfall records (2017) Scientific Reports, 7 (1), art. no. 4175

Please correct the citation Panos et al 2015 and change to (by mistake you have copied the first names instead of last names): Panagos, P., Ballabio, C., Borrelli, P., Meusburger, K., Klik, A., Rousseva, S., Tadić, M.P., Michaelides, S., Hrabalíková, M., Olsen, P., Aalto, J., Lakatos, M., Rymszewicz, A., Dumitrescu, A., Beguería, S., Alewell, C. Rainfall erosivity in Europe (2015) Science of the Total Environment, 511, pp. 801-814.

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