

## Reply on RC1

Eunhyung Lee and Sanghyun Kim

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Author comment on "Characterization of soil moisture response patterns and hillslope hydrological processes through a self-organizing map" by Eunhyung Lee and Sanghyun Kim, Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-107-AC1>, 2021

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Dear Editor

Thank you very much for your review and comments.

We revised paper addressing two comments as follows;

Figure 7 is mentioned in text as;

Line 411-412: The hydrologic events classified by the SOM can be characterized through comparative feature presentation for all clusters (Figure 7).

The exemplary events were added in Appendix and referred in text as

Line 369-370: Appendix presents exemplary events with rainfall and soil moisture responses in upslope and downslope for Clusters 1 to 5.

Appendix section (Line 518-533) is added to represent exemplary events.

Thanks for your arrangement in advances,

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Please also note the supplement to this comment:

<https://hess.copernicus.org/preprints/hess-2021-107/hess-2021-107-AC1-supplement.pdf>