

Interactive comment on “Subseasonal hydrometeorological ensemble predictions in small-and medium-size mountainous catchments: Benefits of the NWP approach” by Samuel Monhart et al.

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Received and published: 16 November 2018

Thanks a lot for this extremely motivating review for our article. We highly appreciate your comments and will account for your suggestion in the revised version of the manuscript and we will provide detailed replies regarding your specific comments. We agree with your comments on the importance of other variables such as relative humidity and sunshine duration and will re-write it mentioning the importance of these variables for snowmelt. But a conclusive analysis of pre-processing relative humidity (and other variables) will be beyond the scope of this study. Regarding your comments

C1

on the SWE verification we will include a brief discussion of the findings presented in Jörg-Hess et al. (2015) where they found good agreement between the predicted SWE and the observed SWE maps for the entire 32 day forecast horizon and will add a paragraph on the verification of the SWE in the methodology section 2 like the one about the verification of the streamflow.

Jörg-Hess, S., Griessinger, N., & Zappa, M. (2015). Probabilistic forecasts of snow water equivalent and runoff in mountainous areas. *Journal of Hydrometeorology*, 16(5), 2169-2186. <https://doi.org/10.1175/JHM-D-14-0193.1>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-458>, 2018.

C2