

Interactive comment on “Streamflow forecast sensitivity to air temperature forecast calibration for 139 Norwegian catchments” by Trine J. Hegdahl et al.

Anonymous Referee #4

Received and published: 22 November 2018

General Comments: The paper investigates the effect of temperature calibration on the performance of streamflow predictions for 139 catchments across Norway. Three years of operational ECMWF temperature prediction for up to 9 days lead time are used to drive an operational flood forecasting model based on the HBV model. The forecasts are calibrated using QM. Seasonal calibration parameters are estimated based on a 5 year period from the ECMWF hindcasts and a climatology derived from Hirlam. The study nicely shows how calibrated temperature prediction affect the streamflow predictions. Seasonal and spatial differences of this effect are discussed within the study. The topic of the paper is definitely worth publishing and of interest for the hydrological forecasting community. The comments in the supplement can be

C1

regarded as minor.

Please also note the supplement to this comment:
<https://www.hydrol-earth-syst-sci-discuss.net/hess-2018-373/hess-2018-373-RC4-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-373>, 2018.

C2