Interactive comment on "Streamflow characteristics from modelled runoff time series – importance of calibration criteria selection" *by* Sandra Pool et al.

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Thanks for these comments. Here just a quick clarification, before we will respond in more detail: The HBV model is capable of reproducing the observed runoff for these catchments reasonably well when calibrated on the efficiency (Reff). As stated in the preceding paper (Vis et al., 2015) using the same data set:

"The model efficiencies that could be achieved for the different catchments varied from 0.64 to 0.91 (calibration) and 0.61 to 0.90 (validation), indicating reasonably good runoff simulation with the calibrated HBV-light model."

This means that it is in principle possible to get good performances in terms of Reff or

in other words, poorer performances are a result of the respective calibration criteria rather than an inappropriate model (structure).

Best regards, Jan Seibert

Vis, M., R. Knight, S. Pool, W. Wolfe, J. Seibert, 2015. Model calibration criteria for estimating ecological flow characteristics, Water, 7(5), 2358-2381; doi:10.3390/w7052358.

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