

Interactive comment on “Benchmarking the predictive capability of hydrological models for river flow and flood peak predictions across a large-sample of catchments in Great Britain” by Rosanna A. Lane et al.

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We thank the reviewers for taking the time to read the manuscript, and for their thorough and insightful comments. Their suggestions have helped us to ensure our results are more useful to the modelling community.

The main comments from the reviewers were regarding (1) the use of Nash-Sutcliffe Efficiency to evaluate model performance, (2) making data more easily accessible,

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(3) synthesis of the introduction and discussion sections, and (4) plotting of additional catchment attributes and human influences on river flows.

In response to these reviewer comments, we plan to re-analyse the model output with consideration of additional performance metrics. We will ensure that a summary table of the key results is given as supplementary information, and that a more complete set of outputs is made available via a DOI. We will produce additional plots of factors affecting runoff across Great Britain, highlighting where streamflow is impacted by snowmelt and human influences. The manuscript will also be revised, to synthesize the introduction and discussion.

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