

Interactive comment on “Large-scale hydrological modelling by using modified PUB recommendations: the India-HYPE case” by I. G. Pechlivanidis and B. Arheimer

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We would like to thank Referee #2 also for his/her valuable comments and suggestions on how to improve our manuscript. The issues addressed link to the comments from Referee #1, and we have already thought about the message that we want to convey. What we primarily missed in our first manuscript was to describe the purpose of the modelling. As we suggested in our response to Referee #1, the purpose should be to identify spatial patterns of hydrologic similarity across the Indian subcontinent. We have identified 6 clusters with similarities in 12 flow signatures. Of course these clusters relate to climate characteristics but also to catchment characteristics, and this

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we will discuss in the revised version of the manuscript. This will add scientific value to the manuscript and better demonstrate how catchment modelling can contribute to characterise and analyse hydrology on the large scale. However the main purpose of this paper will still be to test the PUB methodology on multi-basin modelling.

When the open discussion is over we will submit a full authors' reply on how to rearrange our manuscript to address all the reviewers' comments. We will also condense the paper, remove details and focus more on the overall message. We hope that this will end up in a more enlightening and bearable manuscript that can be published.

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