

Hydrol. Earth Syst. Sci. Discuss., referee comment RC3  
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## Reply on AC2

Anonymous Referee #2

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Referee comment on "Producing hydrologic scenarios from raw climate model outputs using an asynchronous modelling framework" by Simon Ricard et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-451-RC3>, 2021

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I am looking forward to seeing the new validation results as the authors replied. Just one clarification about the validation. The validation I mentioned is to run the model with the observed meteorological data and compare the simulated and observed discharges. As I understood, the validation the authors mentioned is to run the model with the reference scenario data. It would be good to see both validation results. For the latter validation, I fully agree that only the seasonal hydrograph or extreme statistics can be compared. Based on the current results, it seems that the model cannot reproduce the seasonal hydrograph well if the climate model outputs have large biases. Hence, I agree that the authors focus on the extreme statistics. Then I would appreciate that the authors can discuss the restrictions or the weakness of this method. For example, this method may be more appropriate for floods or for the climate model outputs that have small biases.