Hydrology and
Earth System
Sciences

Discussions

Interactive comment on "Development of a revised IHA method for the cumulative impacts of cascade reservoirs on flow regime" *by* Xingyu Zhou et al.

Anonymous Referee #3

Received and published: 16 March 2020

In this manuscript, the authors developed a revised IHA method by using the projection pursuit (PP) and real-coded accelerated genetic algorithm (RAGA). The data reliability was analyzed by using length of record (LOR) method. The cumulative impacts of cascade reservoirs on flow regime were analyzed in the Jinsha River Basin. It seems that the improved method has good reliability, and the authors also considered the impact of the data length on the evaluation results, making the evaluation results more scientific and reliable. ÂăIn the section of discussing the reliability of data length, we could see that the evaluation results of different data lengths showed obvious uncertainties. Therefore, does this uncertainty appear differently at different stages (pre- and post-impact periods) ?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2019-

694, 2020.