

Dear Editor,

Thank you for the comments. We have tried our best to improve further on the manuscript. Following the review and your suggestions the following changes were implemented in the revised version of the manuscript.

- Regarding the English language, a professional has made the necessary language editing.
- As suggested, we have separated the results from the discussion section. Sentences from the result section have been removed and added in the discussion:

In discussion section, we have added a subsection discussing the dependence of the mean daily and instantaneous peaks on the most important predictors (lines 484 – 521 in the revised manuscript).

Following the comments of the reviewer, more discussion was added regarding the best model (lines 523-530) and the effect of available dataset (lines 575 to 584) in the subsection “Range of applications and limitations”.

- Note that following comments of the reviewer, the effect of uncertainty sample size has been included in lines 259 – 261 of the revised version.
- Unfortunately, the flow data are not all publicly available in Germany (i.e. the peak flows) and since the daily flow data are third party data we are not allowed to share these in a separate repository again. We have modified the data availability section accordingly.

Dear Reviewer,

Thank you again for your comments. We have tried our best to improve the manuscript. Following your comments, we have done the following changes to the manuscript:

1. The English has been corrected by a professional language editing service now. We have thought long about changing the way the story is told but we are sorry to say that we did not figure out a better concept and so we have not rewritten the paper.
2. Following the suggestion from the editor and bearing in mind not to overload the paper with further methods we have not included the non-linear regression to evaluate the sensitivity of the results.
3. We have included a short discussion on sample size influence on the uncertainty in lines 259 - 261 of the revised manuscript
4. The model sensitivity towards the available dataset is discussed in lines 575 - 584 of the updated version. The discussion regarding generalization to other catchments was already included in the manuscript. In the revised manuscript you will find this at lines 554-560 and 588-593.

Please note that following the comments of the editor, the discussion section was restructured, with part 1 – discussing the dependence of the mean daily and instantaneous peaks on the most important predictors, and part 2 – discussing the ranges of applications and limitations of the proposed methodology.