

Final Comments on HESS-2023-106:

Quantify and reduce flood uncertainty by the CHUP-BMA method.

Thank you very much to the authors for providing this revised version including all referee comments. I still have some minor comments on the manuscript. After these comments are addressed the paper should be ready for the final step.

Minor corrections

- Lines 15-16 in Abstract: Can you please check the wording in these two-lines? It is not clear what is the message here.

Lines 47-48: Can you please revise wording here?

-Line 239: Acronym of second model for precipitation forecast (HBCWRC) does not coincide with the acronym in Figure 2.

- Line 243-244: Please review wording. It looks like something is missing.

- Line 248: Please define $P_{a,t}$

. Figure 3: What are the units of Pa?

- Line 287: Replace “to neural network” by “to the neural network”

- Line 303: Replace “is the input variables” by “is the input variable”

- Line 311: Replace “types data” by “data types”

- Line 343: Replace “cate” by “rate”

- Line 420: Replace “expectation” by “expected”

- Figure 13: Can you include the values of α_{index} , IGS and CRPS in parenthesis after its corresponding meaning, in the legend of the Figure 13? That will make the figure easier to read without having to back to the meaning of the metrics.

- Line 558: Can you please check the wording in this sentence?