

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC3
<https://doi.org/10.5194/nhess-2022-182-AC3>, 2022
© Author(s) 2022. This work is distributed under
the Creative Commons Attribution 4.0 License.

Reply on RC3

Maryse Charpentier-Noyer et al.

Author comment on "A methodological framework for the evaluation of short-range flash-flood hydrometeorological forecasts at the event scale" by Maryse Charpentier-Noyer et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-182-AC3>, 2022

We thank referee n°3 for the feedback, showing that the objectives of the paper were probably not presented sufficiently clearly. We managed to improve this in the revised version of the manuscript (which is already available). Our detailed answers are attached. The main misleading point was probably that the article does not aim at evaluating QPFs per se, but rather the performance of flood forecasts obtained by using these QPFs as input of rainfall-runoff models. The presented evaluation method can only be implemented a posteriori and not in real time. It aims to provide a first detailed and informative diagnosis of the performance of flood forecasts, for single major flood events where such forecasts are needed. Moreover, an immediate post-event analysis is often needed to understand better what went right or wrong during the flood forecasting and response.

Please also note the supplement to this comment:

<https://nhess.copernicus.org/preprints/nhess-2022-182/nhess-2022-182-AC3-supplement.pdf>