Natural Hazards and Earth System Sciences Discussions

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC2
https://doi.org/10.5194/nhess-2021-33-AC2, 2021

Request for Clarification by Reviewer - please

Florian Pappenberger et al.

Author comment on "Invited perspectives: The ECMWF strategy 2021–2030 challenges in the area of natural hazards" by Florian Pappenberger et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2021-33-AC2, 2021

I will adrress the other comments seperately. However, there is one revieer comment, I am not sure I fully understand:

>>> comment

Line 43: “However, finite computing and requirements to produce timely forecasts will only allow a limited number of ensemble members to represent these uncertainties.” -> are there other means of representing uncertainties, considering uncertainties besides ensembles?

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I am not aware that one could represent uncertainties of a non-linear/chaotic flow dependent system differently than through an emsemble/monte carlo approach.
Sure, Post-processing or dressing or similar will also get you a distribution but these are not really the 'same' uncertaintis.

So, I think i am missing the reviewers point (sorry for that) - can you please clarify?