

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC3
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Reply on AC2

Anonymous Referee #1

Referee 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-RC3>, 2021

I was just curious if there is any possibility to tackle this challenge? Given that ensembles are needed to quantify the uncertainties; is it possible to define how many ensemble members are needed to reliably quantify uncertainty? Maybe via post- or pre-processing? Is it possible to further increase computer power, or make models faster? In case the "limited number of ensemble members" is sufficient to represent uncertainties, and there are no plans for improving this situation, then please ignore my comment.