

Interactive comment on “Projecting flood hazard under climate change: an alternative approach to model chains” by J. M. Delgado et al.

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We thank the reviewer for his comments on our manuscript.

#1

We will add a quantile plot to the manuscript in order to illustrate our statement.

#2

The novelty in our research is the adoption of a measure of the variance of a large-scale circulation pattern as a covariate for projecting flood hazard. We place great importance in including changes in flood variance in flood risk projections and we think this was clearly stated in the manuscript.

C3083

We are aware that the use of covariates in extreme value models is not a novelty in hydrology. At the time this manuscript was written, the use of covariates directly from large-scale circulation patterns for projecting climate change impacts was relatively new. Some of the later papers you mention propose in fact similar approaches – we will add and discuss these references in the manuscript to offer the reader a more updated review.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 7357, 2013.

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