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Discussions

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Interactive comment on "Technical Note: Design flood under hydrological uncertainty" *by* Anna Botto et al.

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We acknowledge Alessio Pugliese and an anonymous reviewer for their valuable comments and suggestions. The major issue arising from these comments is that the description of the UNCODE procedure is not sufficiently detailed, thus making the paper not completely a stand-alone product.

Clearly, the core concepts of the UNCODE procedure are fundamental in the paper as the aim of the work is to provide a simplified (and easy-to-use) implementation of the method. Moreover, the "full" UNCODE procedure has been used in the manuscript to calibrate and validate its "simplified" implementation. We thus recognize that the reader must be able to fully understand the UNCODE procedure without relying on external material. On the other hand, the manuscript has been conceived to focus on

the simplified procedure and on its practical results, while giving only a summary of the UNCODE concepts. For this reason we have considered the technical note as a more adequate article type than a standard research paper.

In any case, these comments demonstrate that we were not fully successful in our attempt to synthetize the method: we are therefore going to prepare a revised version of the manuscript that will include a deeper revision of the description of the UNCODE procedure, by providing all the necessary elements to understand the model structure from the manuscript itself. Only the more technical results and the mathematical intermediate steps will be left to the reference of Botto et al. (2014) paper.

Last but not the least, the revised manuscript will implement a number of corrections and clarifications, following the suggestions by both reviewers.