Interactive comment on "Citizen observations contributing to flood modelling: opportunities and challenges" *by* Thaine Herman Assumpção et al.

Anonymous Referee #3

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This paper addresses a very timely and interesting topic: citizen science and its use in flood modelling. It will provide some guidance to researchers struggling with the lack of traditional data and at the same time resistant to adhere to alternative data sources. Overall, the text is rather fluid and well written, but in topic 3, "crowded source data in flooding modeling", the explanation of some uses of citizen data in modeling is confusedly described and could benefit from a restructuring of description of uses. Also, despite the relatively large number of papers gathered, the revision process and papers selection is not fully described. Thus, for a synthesis paper, it will be worth proving a perspective on how exhaustive were the efforts undertaken in the collection and selection of relevant studies, and the data sources consulted.

A few minor points include:

In Figure 1, only level one is termed crowdsourcing, not level 2, as stated in the text (page 3, lines 30-31).

It is not clear how the CAPTCHA plug in works as a volunteered contribution; please provide a better explanation.

Figure 2 does not seem relevant, I suggest excluding it; while Figure 6, in its present form, does not seem very informative.

I suggest merging Section 1.2 - Article outline with the end of the Introduction (page 2, line 30).

There are some unnecessary wording throughout the paper, for example: "We have seen in the previous section that" and "In this section we intend to" (page 14, lines 4-5).

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2017-456, 2017.