

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

**Anonymous Referee #1**

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Dear editor, I went through the paper entitled “Citizen observations contributing to flood modelling: opportunities and challenges” by Assumpcao et al. Bringing people’s idea and their involvement in science (citizen science) is becoming significant globally. This paper is exactly what lies behind the role of citizen science in combating the flooding by modelling. However, I find the paper is quite difficult to follow in its current form. This also has no such in-depth assessment of the role of citizen science in mitigating climate-induced flood events/hazards. The synthesis/review would have been much useful and interesting if this were focused on one or two key objectives. For example, how citizen science would link to model building process based on crowdsourced data and how citizens themselves would be benefitted provided the feedbacks for the model improvement. Some specific comments Page 2 Line 10-15 what are the valuable con-

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tributions? elaborate Page 2 Line 22-26 what are three projects? provide the summary Page 4 Line 19 please define ‘CAPTCHA plug in framework’, not all readers would necessarily know about it Page 10 Line 12-17 what level of citizens will get involved to generate data globally as many citizens are devoid of IT technology? Page 15 Fig. 6 perhaps Fig. 6 holds the core concept of the paper, where the citizen science link to modelling and its application Page 18 Line 23 please provide what consequences of uncertainty in data mining and how this is improved?

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

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