

Interactive comment on “Assessing the impact of different sources of topographic data on 1-D hydraulic modelling of floods” by A. Md Ali et al.

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We would like to acknowledge the Anonymous Referee #1 for providing comments to our paper. Although the paper was found correct and well written, doubts are raised about the novelty of our work. However, the studies cited by the Referee (which are also quoted in our paper) do not assess the impact of DEMs on both the accuracy and precision of the model results. They either focus on precision (as discussed in Dottori et al., 2013) or accuracy or they do not use independent data for calibration and validation. And, this is a not trivial difference. As a matter of fact, the parameters of the model unavoidably compensate the inaccuracy of topographic input data. Whereas, the independent calibration and validation of the model, which is carried out

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in our work, provided original outcomes on the impact of DEMs on both accuracy and precision. Anyhow, we will carefully consider the comments of the Referee and follow her/his advise. The revised manuscript will better clarify and highlight the novelty and importance of our research with respect to previous works.

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