

Interactive comment on “Sandbag Replacement Systems – Stability, Functionality and Handling” **by L. Lankenau et al.**

Anonymous Referee #1

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General comments

The manuscript discusses the advantages and disadvantages of so-called sandbag replacement systems (SBRS) over regular sandbags. The discussion is based on systematic tests of the SBRS with regard to their functionality, stability and handling, which are described and analyzed in Masolle et al. 2018 (<https://doi.org/10.3390/geosciences8120482>). One new aspect of this manuscript is the qualitative evaluation of the different SBRS in accordance with Guidelines for Loss Prevention issued by German Insurers for Mobile Flood Protection Systems and the summary of the important advantages and disadvantages of different SBRS. This discussion is certainly interesting and might also be needed at the level of municipal administrations. From a scientific point of view, however, this manuscript adds only little

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what has not already been investigated and published by Masolle at al. 2018. Thus, this manuscript seems to be a summary of Masolle at al. 2018 as the stability, functionality and handling are already discussed and analyzed in this paper. The conclusions of this manuscript and the one of Masolle at al. 2018 are almost identical aswell.

Therefore, I think this manuscript could be beneficial as a summary for administrations. The scientific gain, however, seems too little to justify a publication in NHESS.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-164>, 2019.

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