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## ***Interactive comment on* “Brief Communication: An update of the article “Modeling flood damages under climate change conditions – a case study for Germany”” by F. F. Hattermann et al.**

### **Anonymous Referee #2**

Received and published: 13 March 2016

This brief communication reports on a sound and interesting study, but I am not convinced this is worth publishing for several reasons. First reason is that the communication reads as a follow-up report on a previous study by the authors. In that previous study only one GCM was used, whereas now a broader set of GCM and RCM simulations were considered. The second reason is that the current study combines older and newer generation climate models and greenhouse gas scenarios: older generation climate model runs from the ENSEMBLES project, which are based on the outdated SRES greenhouse gas emission scenarios from the IPCC (2001, hence 15 years old); newer generation EURO-CORDEX & CMIP5 climate models, which are based on the current RCP based greenhouse concentration scenarios. The third reason is that the

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differences in flood related damages are simply reported without much explanation. The final result that “single runs may have a slight decrease in damages from one scenario period to another” is very trivial.

So, in conclusion, the research work is fine and probably very useful for the local decision makers, but, in my opinion, the scientific innovation is too limited, apart from some other limitations as explained above, to have this published in NHESS.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 7231, 2015.

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