

## ***Interactive comment on “Water-level attenuation in broad-scale assessments of exposure to coastal flooding: a sensitivity analysis” by Athanasios T. Vafeidis et al.***

### **Anonymous Referee #2**

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I have just read carefully the authors and referee #1 answers, and I must say that, once again, I do completely agree with referee #1. The idea presented in this work is relevant, and accepted. We all agree that the water extent experienced in a coastal flooding event, for similar hydrologic and topographic characteristics, is conditioned by the land use. However, the analysis performed is still far from innovative or scientifically relevant. The authors are not providing any solution to include land uses (or water level attenuations) in global coastal flood risk assessments. I believe that, it would be more relevant, to improve the actual land use databases, apply bathtub with a different coefficient of reduction associated to each land use, and compare it with the no-reduction case. Some data to validate would be crucial at this stage. And then, the same analysis

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for different sea level rise scenarios could be performed. But at least, better capturing the spatial variability.

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