

Interactive comment on “Exploration of land-use scenarios for flood hazard modeling – the case of Santiago de Chile” by A. Müller and F. Reinstorf

Anonymous Referee #2

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HEC-HMS was used to model future land-use scenarios in Chile to quantify the impacts of ongoing urbanization and climate change on flooding. Three scenarios of future land-use were modeled.

The paper presents a rather straight-forward application of a very well known software package using traditional methods of data assimilation and modeling. It is not clear from the paper what it is that the authors believe to be novel about their application of HMS to the study basin, except that it is in South America.

HEC-HMS was used to model the runoff, but why was HEC-RAS not used to model the impact of the runoff on inundated areas? Some previous flood inundation maps were used, but new results were not generated.

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No results of the modeling are shown in the figures. Why not?

In general, the paper is a good description of the modeling effort, but the presentation of the results is somewhat lacking in terms of detail and interpretation. For the most part, the paper does not provide new and interesting insights into the hydrology of the study area.

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