

Interactive comment on “Development of flood probability charts for urban drainage network in coastal areas through a simplified joint assessment approach” by R. Archetti et al.

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Thanks to the reviewer for the useful suggestions. This paper aims to study the behaviour of a seaside town storm sewer network, estimating the threshold condition for flooding and proposing a simplified method to assess the urban flooding severity as a function of climate variables. In this work we meant to apply just a preliminary simplified approach that uses a software to develop flood probability charts. We agree that the use of copula functions could be an interesting analysis which will be developed in the near future. In the revised version of the paper we will introduce the return periods

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for the rainfall intensities and for the sea water levels adopted in the numerical analysis.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 3793, 2011.

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