

Interactive comment on “Critical scales to explain urban hydrological response” by Elena Cristiano et al.

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How do you justify the use of rainfall data from the Netherlands (p. 3, line 23) applied to models of a catchment in the UK (p. 3, line 3)? Since the aim of the study is to understand the effect of rainfall aggregation, this may be OK, but, in my opinion, the discrepancy in location should at least be noted and potential effects on results discussed. Urban designs, soils, and landscapes are influenced by rainfall patterns, so the drainage network of the Cranbrook catchment is designed for rainfall patterns expected in London and not the Netherlands. This could potentially have some influence on the specific results of the study. It may be that rainfall in London and the Netherlands is sufficient similar that it doesn't matter, but for readers not very familiar with the meteorology of Europe this isn't apparent.

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