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Interactive comment on "Evaluation of Low Impact Development and Nature-Based Solutions for stormwater management: a fully distributed modelling approach" *by* Yangzi Qiu et al.

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Dear referee #2,

The authors would like to thank you for your comments on our manuscript. Your first general comment acknowledges the originality of our paper, i.e. that is focused on the spatial variability of both land cover and rainfall to assess/forecast the performance of LID/NSB. On the contrary, we have some difficulty to understand how you can then feel concerned that our manuscript "does not present a new contribution to scientific progress"! For instance, confirmation of previous results obtained with simpler models would already be meaningful. However, this was neither the aim nor a result of our

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paper focused on showing the space-time complexity of the basin response, as it can be inferred from high space-time resolution data and modelling. Although it was not one of our original aim, we agree that our manuscript should be substantially revised to make more obvious the gains obtained with a fully distributed modelling approach is, especially with respect to the shortcomings of non-distributed approaches that we identified. In fact, we already obtained direct comparisons between both approaches, but they were not included in the present version of our manuscript for the aforementioned reasons. But, there is no fundamental difficulty to include these comparisons in the revised version.

Please, see in the attached supplementary file our point-by-point responses to the referee's specific comments and our subsequent suggestions to improve our paper.

Please also note the supplement to this comment:
https://www.hydrol-earth-syst-sci-discuss.net/hess-2019-347/hess-2019-347-AC3-supplement.pdf

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2019-347, 2019.