

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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Received and published: 13 September 2019

Dear Referee,

We appreciate receiving more concrete comments. However, we do not see any link to our paper with the general comment “Using an existing model with different input data pattern is NOT considered as a new idea, a novelty in knowledge or new observations”. Indeed, none of these were goals of our paper. Still, the main goal of our paper seems to remain “overlooked”: the paradigm shift from homogeneous modelling and data to extremely heterogeneous ones, as put forward in our previous reply.

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On the contrary, we agree that we have to revise our paper to:

- put more in evidence the aforementioned general methodological goal
- include a comparison of homogeneous runs (project rainfall) vs. heterogeneous runs to demonstrate limitations of the homogeneous modelling (we indeed hesitated to include preliminary results in the first version)
- make more obvious that we have been working on three sub-catchments, rather than a unique one, as well as with a given variety of scenarios
- underline that this diversity reinforces the validity of our conclusions with respect to heterogeneity
- be more specific on the necessary adaptations of the hydrological Multi-Hydro model to include LID/NBS solutions, as well as the fact that all authors have contributed to the ongoing development of this model (i.e. it is not taken from a shelf).

Incidentally, this exchange could confirm the interest of interactive comments between authors and referees, especially with respect to the classical, one-way review reports.

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

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