

Interactive comment on “Toward a conceptual framework of hyporheic exchange across spatial scales” by Chiara Magliozzi et al.

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Dear D. Haro-Monteagudo, thank you for your comment on the manuscript. I am glad you have pointed out the relevance of this research to a broader management context. Holistic approaches, at the interface of river hydrology, geomorphology, and ecology, have been advocated to keep river management open and flexible to the challenges of maintaining the natural functioning of rivers in current times of changes. River management is, in fact, adopting more often catchment-based approaches. The factors presented in this manuscript are not only important for HEF but to river processes in general. Structuring the review around multiple scales improves spatial and temporal understanding of the variability of environmental factors in river systems and how reaches have been impacted by catchment-scale changes. Therefore, this manuscript

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underscores broader river management planning that includes catchment-scale solutions. We will give perspectives on future research areas in this direction in the Conclusion section.

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