

Interactive comment on “Hydroclimatic control on suspended sediment dynamics of a regulated Alpine catchment: a conceptual approach” by Anna Costa et al.

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The improvements to the paper are impressive and the response clearly convinces me that the paper should be published.

I do not think that the authors solved the equifinality problem completely because the many processes occurring in the watershed integrate to one signal at the outlet. The parameter combination found might be indeed the best fitting set, but that does mean that there are no other sets that almost fit just as well. However, equifinality is a problem for all modelers and it would not be fair to draw a line in the sand here. Moreover, as long as the fitted parameter combination makes physically sense, it is likely right. I am

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glad to the authors are working on experimental evidence for the future.

Thank you for making the changes. My apologies for the long delay in responding. I should have done it much sooner

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