

Referee report

A conceptual model-based sediment connectivity assessment for patchy agricultural catchments

hess-2021-231, submitted on 28 Apr 2021

General comments

I would like to thank the authors for again revising the manuscript and for answering my questions. In my opinion, the quality of the manuscript was further improved.

Regarding the discussion on the narrower prediction interval of the Ron river and its high out of bound percentage: After reading the explanations of the authors this part now somehow makes more sense to me. However, I must say that I still do not understand this part well enough to evaluate the quality of this part of the manuscript. The quality of this part should therefore be evaluated by the editor or another reviewer.

Besides this comment, I only have one other minor comment (see below). Apart from these comments, I am happy with the manuscript and I am looking forward to see it published.

Minor comments

L249: I still don't understand why you used the Swiss Map Vector 25 BETA here, but the swissTLM3D in L290 pp. Why are you using two different model versions for determining the Swiss land cover?