

Reply to the editor's comments:

Dear editor,

Thank you for your editorial comments. Here is the reply to your comments.

(1) Please use your Zenodo dois to create items for the reference list that you cite throughout the document in all relevant places in which you mention material in online code repositories. I know it may seem embarrassing to cite yourself so often, but this is indeed what EGU journals would like. Indeed, if you do not do this now, you will be asked to do so later. As an example of a paper of mine in which I had to do this quite a lot: <https://www.hydrol-earth-syst-sci.net/23/2065/2019/>.

I misunderstood the requirement before. I updated the references as per your requirements in the latest revision.

(2) Please consider moving your "future work" to its own section, or perhaps not including it. I can see its use, but I am afraid that it weakens and dilutes the conclusions. Your co-authors may have insights about this.

I remove the "future work" paragraphs.

(3) Please have one of your native-English-speaking co-authors review the text for English-language usage. I could fully understand your meaning – despite not being a trained hydrologist myself – and that's very encouraging. However, some of your longer additions might be difficult for our non-subject-matter-expert copyediting staff to decipher.

We read through the paper again. I hope this version makes everything clear. Thank you.