

7 July 2021

**Authors response to**

**Editor Decision: Publish subject to technical corrections (30 Jun 2021) by Jim Freer.**

Dear Editor,

Thank you for the two suggestions and the chance to publish our work in HESS.

Firstly, we have integrated your smaller suggestion (i.e., greyscale version of graph to supplement) into the checklist table 1.

Secondly, and more importantly, we have drafted a new version of this checklist (Table 1). We have discussed several possibilities and now decided to have a rather short version of the table that hopefully can have a consolidated design in the typeset version of the manuscript. As you can see, we have now four columns in the table (roles, levels, task and references) and implemented the four sections (3.1-3.4) as sub-headings. We think we should now wait for the typesetting and then see how this table is best integrated into the end of section 3 (i.e., column-width or full-width).

Furthermore, there is a new publication from Christa Kelleher that should be mentioned in our paper. Thus, we have added a sentence to the beginning of Section 3:

Kelleher and Braswell (2021) published a comprehensive introduction how visualization challenges of environmental data can be assessed in a broader sense.

Thanks again for your efforts.

Best regards,

Michael Stölzle (on behalf of co-author Lina Stein)

Kelleher, C. and Braswell, A.: Introductory overview: Recommendations for approaching scientific visualization with large environmental datasets, *Environmental Modelling & Software*, 143, 105113, <https://doi.org/10.1016/j.envsoft.2021.105113>, 2021.