Hydrology and Earth System Sciences Discussions

Hydrol. Earth Syst. Sci. Discuss., author comment AC2
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Reply on RC1 (F. Crameri)

Michael Stoelzle and Lina Stein

Author comment on "Rainbow color map distorts and misleads research in hydrology – guidance for better visualizations and science communication" by Michael Stoelzle and Lina Stein, Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2021-118-AC2, 2021

Thank you, Fabian Crameri, for the valuable comments on our manuscript. We identified following main suggestions:

- We will revise Fig. 6 to gain more clarity about the suggested line graph improvements.
- Some suggestions about more specific references are given. We will revise those references.
- We will add information about multi-sequential and circular/cyclic color maps to complete the color tasks in section 3.2
- The misuse of sequential and diverging color maps (L320-321) is supported by our paper survey. As also reviewer #2 (RC2) suggests to provide more information about sequential vs. diverging color maps, we will revise the manuscript and plan to add an example of a diverging color map into Fig. 1.

We agree on the list of specific and technical comments from RC1 and will consider them to improve the manuscript.