

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2  
<https://doi.org/10.5194/nhess-2021-129-RC2>, 2021  
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## Reply on AC2 - Fig. 1

Anonymous Referee #1

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Referee comment on "Evaluating integrated water management strategies to inform hydrological drought mitigation" by Doris E. Wendt et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-129-RC2>, 2021

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**The revised Fig. 1 is a great move forward.** I suggest to replace the reservoir design of "Groundwater module" with a normal box (as it is a representation). Then, the three options below are a great explanation (and they are actually storage systems in the model!), please add "groundwater aquifer" to "Large", "medium" and "small" and perhaps something like power-law, by-pass and two-parallel to the storage boxes (and the hydrogeological representations). The two arrows in "medium" and "small" can be confused, is the by-pass flowing through the storage, is the outflow of the first parallel storage added to the second?