Hydrol. Earth Syst. Sci. Discuss.,
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Hydrology and Earth System Sciences
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Interactive comment on "Controls of fluorescent tracer retention by soils and sediments" *by* Marcus Bork et al.

Anonymous Referee #1

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General comment: The manuscript deals with batch investigations on uranine and sulforhodamine B adsorption in soils and to quantify their impact and possible interactions. In particular, the effects of several parameters, such as soil composition (clay and organic matter) and pH have been investigated. The manuscript is suitable to be published in this journal; however, some points should be addressed before publication. Some minor language mistakes are present that should anyway be corrected.

Specific comments: 2.3.2 Sorption isotherms of the tracers It is not clear the reason because you investigated the adsorption of tracers by batch tests and not by using column tests, considering the variation of humidity along the column. Please, support your approach. 3. Results and discussion Please, improve comparison between experimental findings and literature data.

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Discussion paper

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