

## ***Interactive comment on “Controls of fluorescent tracer retention by soils and sediments” by Marcus Bork et al.***

### **Anonymous Referee #2**

Received and published: 14 August 2019

The manuscript “Controls of fluorescent tracer retention by soils and sediments” aimed at determining the use and impact of uranine (UR) and sulforhodamine B (SRB) as artificial tracers in soils and sediments.

The study is very interesting and in line with the scope of the journal but it’s not clearly organised and the following amendments require to be addressed previous publication.

1- Abstract too detailed. Requirements of the journal specify the abstract to include a brief introduction of the topic, the summary recapitulates the key points of the article and mentions possible directions for prospective research. I suggest the authors to revise the abstract and insert less details on the experiments set up. 2- Pg 2- Line 12- This "multi-tracer approach") - please edit with “multi-tracer approach” 3- Pg 3 line 13-19. Please correct your English. 4- Introduction: From line 20 to 33, there are details

related to the methods used which should be moved to the related section. 5- Materials and methods- should include a section describing the case study and all characteristics on the soil and sediments analysed. 6- References to the figures and tables are vague. 7- The method used in not very well explained. The different sub-paragraphs should be better addressed and introduced. 8- Figures captions are too long. Figure 2-6. The description of the figures should be added to the text rather than having long figure titles. 9- Page 4 line 9. Tab S1- Not clear this reference as there is a Table 1.

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