Dear Joachim Curtius,

Thank you for your detailed review of our manuscript. According to your comments, we have

carefully read and revised that in the current version of manuscript. In addition, we also revised the

the abbreviation WSOM in the "Short summary" based on the suggestion of Katja Gänger (Editorial

Support). The detailed revisions are as follow:

1) Many thanks for the detailed revisions answering all comments by the reviewers. Just one

technical edit from my side: In line 408 of the revised manuscript, please change "However, our

study suggesting that..." to "However, our study suggests that...".

Re: Thanks. We have revised "However, our study suggesting that..." to "However, our study

suggests that... " in the current version of manuscript. (Line 408)

2) Notification to the authors: Your "Short summary" system section includes the abbreviation

WSOM. Please adapt your short summary avoiding abbreviations to make it better understandable

for non-experts and please pay attention to use only 500 characters including spaces.

Re: Thanks. We have revised the abbreviation WSOM in the "Short summary" system section to "

water-soluble organic matter (WSOM)", according to the suggestion.

Please do not hesitate to contact me if you have any questions for the attached files.

Best regards,

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