

Dear Editor,

Please find attached the revised version of our manuscript '***Escherichia coli* concentration, multiscale monitoring over the decade 2011-2021 in the Mekong basin, Lao PDR**'.

We would like to thank you for accepting our manuscript for publication in the *Earth System Science Data* journal.

Yours sincerely,

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1. Please note that the last names of the authors should not be all capitalized.

We rewrote the last names of the authors with first letter capitalized only.

2. Regarding your figure #3, #4: please ensure that the colour schemes used in your maps and charts allow readers with colour vision deficiencies to correctly interpret your findings. Please check your figures using the Coblis – Color Blindness Simulator (<https://www.color-blindness.com/coblis-color-blindness-simulator/>) and revise the colour schemes accordingly.

We checked both Fig. 3 and 4 in COBLIS. We found that the colors in Fig. 4 had to be improved and we changed the yellowish color to a lighter one, which makes the Fig. 4 now suitable for readers with color vision deficiencies according to COBLIS.

Please note that by re-producing Fig. 4 we changed the number format for *E. coli* plot from standard to scientific format. We therefore also updated the Fig. 2, 3, and 5.