

Dear Editor and Dear Reviewer,

Thank you for your useful comments and suggestions of our manuscript. We have modified the manuscript accordingly, and detailed corrections and response are listed below point by point:

Suggestion from editor :

I just noticed that your figure 4 contains maps/aerials. To clarify whether a copyright statement or a credit must be given in the map itself or in the caption, we differentiate between (a) maps entirely created by you, (b) maps created by you but based on layers reused from other originators, or (c) maps simply reused from other originators. An example for (a) is a digital elevation model (DEM) purely based on measurement points collected by you and derived by using a software product. If you use an existing map layer from another originator as a basis for significantly enriching the map with your own content, this would be an example for case (b). Case (c) could be a pure reproduction of Google Maps where your own contribution is rather small (e.g. a city map where you only added a few marks for your study locations). If the map was entirely created by you (case a), there is no need to change the caption or map. Please simply inform us. To the contrary, if your map follows cases (b) or (c), please let us know whether the map is distributed under public domain. If yes, please do not include a copyright statement (copyright is waived) but consider adding a credit to the map or caption. However, if your map follows cases (b) or (c) and is not distributed under public domain, please include at least a credit or even a copyright statement (e.g. © Google Maps), if this is required by the map provider, in the map itself or in the caption.

✓ Thanks a lot for the very helpful suggestion with lots of information. The copyright (© Google Maps) has been added on to figure 4 in the final revised version.

Suggestion from referee :

Dear Authors,

Thank you for revising the manuscript according to my comments. It appears well-addressed and ready for final publication.

✓ Thanks a lot.

As a suggestion, I believe enriching the introduction with a broader perspective on the opportunities UAVs offer in environmental monitoring could be beneficial. Here are a few relevant manuscripts I can recommend for this purpose:

Frazier, A. E., & Singh, K. K. (Eds.). (2021). *Fundamentals of capturing and processing drone imagery and data*. CRC Press.

Eltner, Anette, Dirk Hoffmeister, Andreas Kaiser, Pierre Karrasch, Lasse Klingbeil, Claudia Stöcker, and Alessio Rovere, eds. *UAVs for the environmental sciences: Methods and applications*. wbg Academic in Wissenschaftliche Buchgesellschaft (WBG), 2022.

Manfreda, S., E. Ben Dor, *Unmanned Aerial Systems for Monitoring Soil, Vegetation, and Riverine Environments*, Earth Observation Series, Elsevier, 2023.

✓ Really appreciate for your suggestion and will improve future publication accordingly.

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