

Review of: "A Research Note on Natural Reclamation Processes that Support Mangrove Biodiversity Spheres: Sedimentation in Three Major River Deltas in Northwestern Luzon Using Aerial Imagery"

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Potential competing interests: No potential competing interests to declare.

1. The abstract section, which is not standardized enough, does not reflect the conclusions of the study. What methods should be used in the paper, what quantifiable and expressible results are obtained, what conclusions are obtained by analyzing these results, and what scientific problems or innovations are indicated by these conclusions? There are too many keywords, and it is suggested to delete and condense
2. In the Introduction section, the scale of the three major rivers in Figure 1 is too small to see the specific shape and location of the three rivers, the formation and deposition process of the three rivers and river deltas are not introduced, and the source and sink of rivers and sediments need to be briefly introduced with Figure 2.
- 3, in the second part of the methodological section, large-scale and medium-scale remote sensing and GIS (RS-GIS) used the WorldView 2 satellite (Digital Earth Foundation) images in April 2013, this time is too far away, it is recommended that as an intermediate comparison time period, the latest 2022 or 2023 image images should be used as a comparison image with the 1979 The topographic map and the 2013 image should be compared and interpreted to analyze the image changes in different time periods from 1979-2013 and 2013-2022, and then analyze the natural and artificial influences.
- 4 The image comparison map of 1979 and 2013 is not available, we should analyze the change of artificial reclamation and mangrove area through image comparison, analyze the driving force and influencing factors of the change, analyze the development trend and pay attention to the problems, the image data of 2013 is too old and not current, we should add the latest data image of 2023 to compare the development trend.
5. COTS-RPAS is an effective tool for microscale, this tool should be used as a validation tool for remote sensing interpretation, not as a comparison with RS-GIS, or comparing the remote sensing image map of 2022 with the shooting map of 2022 COTS-RPAS, highlighting the effectiveness and convenience of this COTS-RPAS as a validation work, and the accuracy and applicability of the validation for extension.
6. The image comparison of mangrove ecosystems in the delta region of three rivers in Luzon was carried out through the original topographic map of 1979, the remote sensing image map of 2013, and the aerial photograph of COTS-RPAS in 2022. Firstly, the data sources of image maps used in different time periods are different, and the comparison effect of different data sources cannot be guaranteed, and secondly, the text is more about showing some methods or images of the map. There is no data comparison analysis and image comparison analysis, and the change data and rate are not analyzed, as some basic analysis content of the paper is not available, and the conclusion part also does not show the

research results and innovation well, it is suggested to increase the applicability of the method, and the data source is suggested to show its scientific and application, and on this basis, the comparison analysis of image and data is conducted, and then the reasons for its change are analyzed and the Suggestions for countermeasures and conclusions.