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Notification to the authors:

[Specific Comment] We noticed that your figures 4 and 5 contain aerial images. If you are not the originator of these images, then appropriate credit or copyright must be given in the figure itself or in the figure caption. If applicable, please adjust this with the next file upload.

[Response] Thanks a lot for pointing this out. We have revised the Figure captions of Figures 4 and 5 of the revised manuscript to give the appropriate credit or copyright.

Public justification (visible to the public if the article is accepted and published):

Thanks a lot for your compliments on our paper. We are grateful for your valuable comments and suggestions, which are very helpful for us to improve this manuscript.

[Topical Editor # Comment 1] *In the realm of accuracy assessment in remote sensing, two widely employed metrics are accuracy and the Kappa coefficient. These metrics play a pivotal role in evaluating the precision and dependability of remote sensing classifications or analyses. While both metrics are significant, it would be beneficial for the authors to elaborate on their choice to omit the Kappa coefficient in the present study. A justification for this decision would provide readers with a clearer understanding of how the chosen metrics align with the study's specific objectives and context.*

[Response] Thanks a lot for pointing this out. Given that prior research indicates the inadequacy of the Kappa coefficient for map error assessment (Pontius Jr et al., 2011; Allouche et al., 2006), we have chosen to substitute it with the F1 metric.

We have also added the descriptions in the revised manuscript, i.e., "Note that we opted against utilizing the Kappa coefficient for accuracy assessment due to its unsuitability for mapping error evaluation (Pontius Jr et al., 2011; Allouche et al., 2006)." (P10L202-P11L205 in the track version of the revised manuscript).

Reference:

Allouche, O., Tsoar, A., Kadmon, R.: Assessing the accuracy of species distribution models: prevalence, kappa and the true skill statistic (TSS), J. Appl. Ecol., 43(6), 1223-1232, 2006.

Pontius Jr, R. G., Millones, M.: Death to Kappa: birth of quantity disagreement and allocation disagreement for accuracy assessment, Int. J. Remote Sens., 32(15), 4407-4429, 2011.

[Topical Editor # Comment 2] *I've observed a recurring use of the term 'comprehensive' throughout the revised paper. It's worth noting that this term can be highly subjective and should be employed judiciously to ensure its meaningful impact in the manuscript.*

[Response] Thanks a lot for your valuable comment.

We have diligently reviewed and refined this aspect in the revised manuscript. Additionally, we meticulously examined other elements of the original text to enhance the overall quality of the article.