

Review of: "Open-Source Remote Sensing Determination of Carbon Emissions From Tropical Deforestation Scenarios in Southeast Nigeria"

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Potential competing interests: No potential competing interests to declare.

The topic selection of the article has certain reference significance. Overall, the analysis of the problem is thorough and persuasive, but some details still need to be polished:

- Abstract should be rewritten and some important numerical findings should be provided.
- Some important numerical findings should be provided in the Abstract.
- The keywords in the manuscript need to be improved and optimized. The number of keywords in the current manuscript is somewhat insufficient, and some of the main research content is not included in the keywords.
- In the beginning paragraph of section 2, the author should provide the reasons for choosing the proposed algorithm.
- In the introduction, the innovation of the manuscript is well discussed, but it is better to add the following references to enrich the work:

10.1007/s12524-021-01399-2

10.1109/JSTARS.2023.3239756

10.1080/10106049.2021.2022011

10.1109/JSTARS.2023.3242310

10.1109/JSTARS.2023.3237380

10.1109/JSTARS.2022.3223423

10.1007/s12524-021-01382-x

- Authors should add more figures and tables to enrich the results and discussion section.
- The editing of formula variable symbols in the main text must be done separately.
- Describe the simulation environment and parameters used for testing the algorithm. How about the computational

complexity?

- Include a discussion on the metrics used to evaluate the algorithm's performance and why these metrics were chosen.
- The author should incorporate the latest research findings or different types of algorithms into the experiment. This can ensure the comprehensiveness of the experimental content.
- What are the limitations of this study?
- The conclusion is brief. Suggestions for future work should be added in this section.
- There are a lot of grammatical mistakes; authors should carefully check the whole MS from beginning to end.