

# 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.

- Clearly state the specific objectives of the study at the beginning of the article to guide readers through the research focus.
- Highlight the broader significance of the study, linking it explicitly to global climate change concerns and the relevance of the Southeast Nigerian context.
- Expand and strengthen the literature review section by incorporating more recent studies and global perspectives on the impact of deforestation, climate change, and the effectiveness of REDD+ initiatives.
- Cite this: <https://doi.org/10.1007/s00704-023-04497-y>, <https://doi.org/10.1016/j.ejrs.2021.07.001>, <https://link.springer.com/article/10.1007/s41324-019-00301-0>
- Provide a more comprehensive background on the importance of Southeast Nigeria's forests in the global context.
- Provide more details on the selection criteria for the study area, explaining why Southeast Nigeria was chosen and how it represents broader trends.
- Elaborate on the random sampling technique used for the field data collection and justify its appropriateness for the study.
- Include a subsection on the limitations of the methodology, addressing potential biases or uncertainties in the data.
- Break down complex results into concise and easy-to-understand points, ensuring clarity in the presentation of findings.
- Include visuals like tables or graphs to enhance the understanding of numerical data, especially when discussing tree cover gains and losses over time.
- Provide a more in-depth discussion of the implications of the findings on both local and global scales. How do the results contribute to the existing body of knowledge, and what policy recommendations can be drawn?
- Discuss the social and economic aspects of deforestation in Southeast Nigeria and how they contribute to or mitigate climate change.
- Clearly state the specific issues related to Nigeria's lack of compensation from the Global Climate Fund and how this affects the study's context.
- Elaborate on the impact of the COVID-19 pandemic on data acquisition, making explicit connections to the challenges

faced by geoscientists.

- Offer more specific and actionable recommendations for subnational governments in Southeast Nigeria regarding the adoption of bamboo forestry. How can they integrate bamboo forestry into existing policies and practices?
- Explore potential collaborations or partnerships that could facilitate the proposed interventions.
- Summarize key takeaways in the conclusion, reinforcing the significance of the study's findings.
- Clearly outline avenues for future research based on the limitations identified in the methodology.
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