

Review of: "Modelling and Mapping of Aboveground Carbon of Oluwa Forest Reserve Using LandSat 8 TM and Forest Inventory Data"

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Potential competing interests: No potential competing interests to declare.

Overall, the paper is interesting. The authors try to model aboveground carbon of a forest using satellite data. However, the results are limited since there is no effective ground sampling; e.g., the “observed” carbon was also estimated and not actually measured.

In general, there are some points that I'd like to point out:

- a) The introduction section needs to be updated since most of the references can be considered out-of-date (more than 5 years since they were published).
- b) The methodology section requires details so it can be reproducible. E.g., specify the height of Dbh, Db, Dm, and Dt; present how density was obtained; explain and/or show all the various statistical measures; present how satellite imagery data was obtained, etc.
- c) Results and Discussion can be improved. E.g., show one map for each VI and its respective model outcome and properly discuss it.
- d) The abstract can be improved after changes.
- e) Please carefully check for typos and standard writing (E.g., use of “s” or “z” for the same word). Avoid writing the complete and abbreviated/acronym multiple times in the text (E.g., it was written Normalized Difference Vegetation Index (NDVI) in the introduction, therefore there is no need to write it in the same way in the methodology section).

I hope my comments help the authors!

Best of luck!