

Thank you for all the effort you have put into the revision of the manuscript. The manuscript has strongly improved. The authors have also satisfactorily addressed most of the concerns I had with the original submission. I am very happy about the shortening of the manuscript (shorter introduction, all contents related to LPJ were removed, less tables). Also the discussion part was slightly improved (e.g., L951-958). However, a satisfying discussion is still missing. Most parts of this section give just a summary of the results. There are a lot of different Biomass maps available (e.g., Saatchi, Baccini, Avitabile). Please discuss these maps in comparison to yours and show the benefit of your method/maps. Why is it necessary to generate new maps if there are still maps available? If this point is satisfyingly discussed this manuscript should be published. Overall, I found the manuscript can be an interesting contribution to the carbon community if the authors spend some effort to improve the discussion.

R. Fischer