Authors' Response to the Review Comments

Journal: Earth System Science Data

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Title of Paper: Mapping global forest age from forest inventories,

biomass and climate data

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We appreciate the time and efforts of the editor in reviewing this manuscript and the valuable suggestions offered. In addressing all issues indicated in the review report we trust that the revised version meets the Reviewers' comments and the journal's publication requirements.

1. Response to Comments from topical editor

In the introductory text, please avoid repeating "terrestrial in every line 42-44, pg.2. For istance, the text would flow equally well by deleting "terrestrial" in line 43 and 44. The context of the sentence makes it clear.

Response:

Thank you for the suggestions. We have rephrased the two sentences as follows: "Forests cover about 30% of the terrestrial surface of our planet and store a large part of the carbon, indicating their fundamental role in the carbon cycle (Bar-On et al., 2018). However, drivers controlling the capacity of the terrestrial biosphere to sequester carbon remain poorly characterized, limiting our understanding of the global land carbon sink's location (Cook-Patton et al., 2020)."

Supplementary-- Table S1. Isn't there a need of a time unit for "time since last disturbance"?

Response:

Thank you for noticing this. The metric used here year. We have changed it in Table S1.