

Interactive comment on “Carbon Emissions and Removals by Forests: New Estimates 1990–2020” **by Francesco N. Tubiello**

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Thank you for these important clarifications on definition of deforestation. The revised manuscript has a greatly revised and expanded methods section when these issues are addressed for improved clarity and interpretation of results. Below please find a zip file with replies to all reviewers and comments directly within the original pdf provided by the Journal. We trust that the revised manuscript sufficiently addresses all comments, for which we thank the various authors. In general, the revised manuscript has a revised and greatly expanded methods section addressing a variety of issues brought forward by reviewers, from land use definitions, to improved description of equations, expanded discussion on limitations and uncertainties. The manuscript also provides a clearer context within which this effort contributes, namely the assessment

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of forest emissions and removals, contributing to the ongoing debate on the differences between terrestrial carbon cycle models and national inventories, but with a main focus on simple use of robust and ready available data.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-203/essd-2020-203-AC1-supplement.zip>

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-203, 2020>.

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