Interactive comment on "The global forest above-ground biomass pool for 2010 estimated from high-resolution satellite observations" *by* Maurizio Santoro et al.

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This paper is of high interest due to its strong uncertainty analysis and reliable size/quality of the training/validation data. However, since Ploton et al. (2020) paper was published (https://www.nature.com/articles/s41467-020-18321-y), there is an explicit need to consider spatial patterns in the training data. Typical situation when predictions at pixel level are too differing from the independent validation data can be a legacy of such a spatial autocorrelation issue. It would be interesting to understand whether this data is sensitive to the somewhat hidden biases provided by the location of sample plots. Good luck for authors of the paper to supplement with a new global

dataset which can provide more reliable predictions at some scales and locations compared to the existing similar datasets.

Interactive comment on Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2020-148, 2020.