

Interactive comment on “The PROFOUND database for evaluating vegetation models and simulating climate impacts on forests” by Christopher P. O. Reyer et al.

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Dear Prof. Carlson, Thanks you for your swift and constructive reply which I hope I can clarify easily. We have a section in the introduction that essentially already touched the point of the reviewer (P5L26ff in yesterday's resubmitted manuscript) without citing ILAMB. I had not added a citation of ILAMB there to avoid overreferencing but of course ILAMB is another relevant dataset and following your recommendation, I have adjusted the text in the following way to be very clear and also included this in the updated manuscript:

"Recently, several initiatives have started compiling model evaluation, input or driving

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data for a wide range of applications of process-based vegetation models (Huntzinger et al., 2013; Kelley et al., 2013; Warszawski et al., 2014; Sitch et al., 2015; Collier et al 2018). Although these initiatives have leveraged important scientific progress, many of them have focussed on the global scale, mostly providing evaluation, input and driving data from global products. Such global products generally lack the breadth and depth of process-level detail required to rigorously assess model performance at smaller scales as for example they lack long-term and detailed measurements of forest stand structure. The database for the project “Towards robust PROjections of european FOrests UNDer climate change” (hereafter PROFOUND DB) described here, aims to bring together data from a wide range of data sources to evaluate vegetation models and simulate climate impacts at the forest stand scale."

I hope to have stressed our focus on the forest stand scale enough now to clearly differentiate our work from other datasets. Please let me know if you think this section needs more depth in order to make the case clear. I'd be happy to rewrite.

Thanks again for considering our work for ESSD.

All the best Christopher

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