

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

Anonymous Referee #1

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General comments:

Current topic, meeting the need for having comprehensive modelling data sets within structured database (PROFOUND DB) and R-package (ProfoundData), providing opportunity for more simple reproduction of modelling results. Database is particularly valuable in the sense that provide excellent bases for implementation of different modelling approaches using range of environmental variables (soil, climate, forest stand and remote sensing data). R-package is allowing exploration, plotting, extraction of the data, calibration and evaluation of modelling results, which can be useful. Provided long climate time-series together all relevant modelling data are general advantage.

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Specific comments:

Manuscript is written quite precisely. It includes large amount of relevant information regarding modelling forest pilot plots. It fully satisfies the form of technical data paper. It is acceptable to remain published in current form.

Technical corrections

Page 18 Line 16,17 – “NO₃” and “NH₄”, numbers should be in subscript, as it is in other text.

Page 20 Line 3,4 - “20th”, “21st”, st in superscript.

Table 4. - adjust cell values in uniform way

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