

***Interactive comment on “The biophysics, ecology, and biogeochemistry of functionally diverse, vertically- and horizontally-heterogeneous ecosystems: the Ecosystem Demography Model, version 2.2 – Part 1: Model description” by Marcos Longo et al.***

**John Kim**

jbkim@fs.fed.us

Received and published: 16 April 2019

Thank you for an interesting and helpful paper.

In the introduction the authors briefly outline how ED-2.2 evolved from ED-2 (lines 25-35), and comparisons against results from ED-2.0.12 and ED-2.1 are made in several places in the Results section. But it's unclear exactly how ED-2.2 is different than those previous versions. What exactly changed between those versions? What new

processes are simulated?

I think clearly identifying the differences would help the reader understand what motivates this particular model description paper and how it's new and different than the existing model description paper for ED-2 (Medvigy et al. 2009); as well as help the reader understand how those different results might arise between ED-2.0.12, ED-2.1 and ED-2.2.

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-45>, 2019.

GMDD

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