

***Interactive comment on “Towards a more detailed representation of high-latitude vegetation in the global land surface model ORCHIDEE (ORC-HL-VEGv1.0)” by Arsène Druel et al.***

**Arsène Druel et al.**

[arsene.drue1@gmail.com](mailto:arsene.drue1@gmail.com)

Received and published: 15 September 2017

We thank R1 for this detailed review, especially for going through the equations, which has enabled us to significantly improve the description of the new process implementation in our article. We apologize for the erroneous formulations of several equations and have corrected them in the revised manuscript. We double-checked in the code that the lines of code correspond exactly to the revised formulation of equations. Enclosed please find a detailed explanation of the revisions we made based on R1's comments (as a pdf file).

C1

Please also note the supplement to this comment:

<https://www.geosci-model-dev-discuss.net/gmd-2017-65/gmd-2017-65-AC1-supplement.pdf>

---

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2017-65>, 2017.

C2