

Interactive comment on “Effects of climate change and land management on soil organic carbon dynamics and carbon leaching in Northwestern Europe” by M. Stergiadi et al.

M. Stergiadi et al.

m.vanderperk@uu.nl

Received and published: 9 February 2016

Erratum to reply to comments by referee#1

Our reply to comment no. 4 by referee#1 should read:

In our Century model scenario calculations we did not take the increase in atmospheric CO₂ concentrations into account, but we did not mention this in the discussion paper. To better inform the reader about this, we added a sentence in section 2.3.1 (Climate change scenarios) in which we state this.

-

C9609

Explanation

Following on from comment no. 4 by referee#1, I checked the Century model input files to review the input values with respect to the atmospheric CO₂ concentrations in the model calculations. Based on the fact that the final CO₂ concentrations was set to 700 ppm at the end of the simulation period of the scenario runs, I wrongly assumed that the CO₂ effect was taken into account. I was not aware that the effect of CO₂ concentrations on plant growth was not considered in the model, because a flag parameter for this effect was not set. Maria Stergiadi, who performed the Century model calculations, notified me about this mistake after I had uploaded the reply to reviewers' comments. In response to this, I informed the Associate Editor about this issue and I contacted the Editorial Office to replace the original reply by a revised version. Unfortunately, it was not possible to replace the previously uploaded file and that's why I communicate the erratum via this additional reply.

So, please neglect the previous version of "reply to the comments by referee#1" dated 3 February 2016.

The revised version of our reply to the comments by referee#1 can be found in the attached supplement to this comment.

Marcel van der Perk

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/12/C9609/2016/bgd-12-C9609-2016-supplement.pdf>

Interactive comment on Biogeosciences Discuss., 12, 19627, 2015.

C9610