

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.

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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.

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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.

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