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Biogeosciences Discussions

Interactive comment on "Stand age and tree species affect N_2O and CH_4 exchange from afforested soils" *by* J. R. Christiansen and P. Gundersen

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Thank you for the positive reply regarding our revised manuscript.

We have corrected the minor editorial issues that was raised throughout the manuscript.

We also assessed the relationship between N2O and CH4 fluxes for each chamber in the four investigated stands (Fig. 1). We did not observe any relationship between N2O and CH4 fluxes for any of the four stands. We also tried to look at the relationship at plot level to observe whether the spatial variability within the stand was masking any relationship. However, this was not the case and we did not find any relationship

at this spatial scale either. The assessment was also performed on N2O fluxes and CH4 uptake alone, but no relationship was observed. Although we can't observe any relationship it seems reasonable that there still might be one, but our guess is that with the low sampling frequency and large spatial variability that we have in our dataset we are not able to capture it. Based on these considerations we would not include this aspect in the manuscript.

Jesper Riis Christiansen and Per Gundersen

Interactive comment on Biogeosciences Discuss., 8, 5729, 2011.

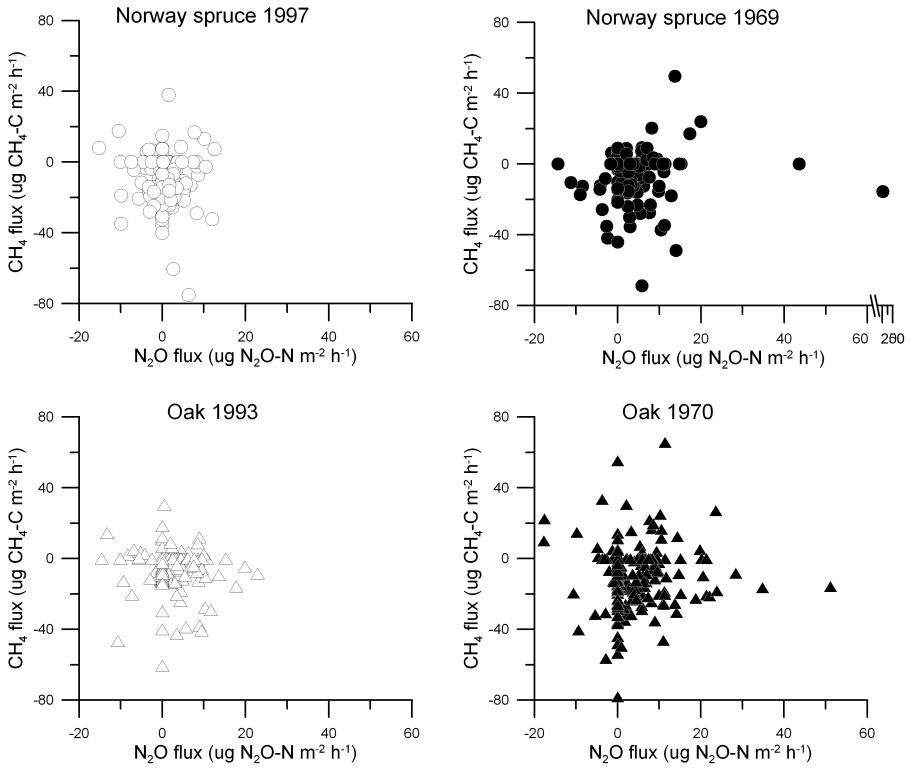

Fig. 1. The relationship between paired N2O and CH4 fluxes for each chamber in the four investigated stands at Vestskoven