

Interactive
Comment

Interactive comment on “Decadal variability of soil CO₂ NO, N₂O, and CH₄ fluxes at the Höglwald Forest, Germany” by G. J. Luo et al.

G. J. Luo et al.

klaus.butterbach-bahl@kit.edu

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Dear reviewer,

from the beginning on we linked the opening of chambers to a rainfall sensor. I.e. to minimize the effect of precipitation exclusion chambers opened automatically – triggered by rainfall sensor - in case of rain. Furthermore, chamber positions were approximately alternated on an annual basis. The frames were only inserted by 2 cm in the soil, also this was done to minimize environmental effects of chambers on soil root distribution. Visual effects of chambers on the soil environment were not observed. However, we also did not compare soil moisture values in and outside chambers. Temperature effects were not observed, since measurements are performed in a dense spruce plantation with direct sun light hardly reaching the soil surface. All this informa-

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tion is now given in the Material method section.

All suggested technical corrections were implemented

Interactive comment on Biogeosciences Discuss., 8, 12197, 2011.

BGD

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