

Interactive
Comment

***Interactive comment on* “Comment on “Soil CO₂, CH₄ and N₂O fluxes from an afforested lowland raised peatbog in Scotland: implications for drainage and restoration” by Yamulki et al. (2013)” by R. R. E. Artz et al.**

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1. In line with the suggestions by reviewer 1 and 2, we have added a Figure to illustrate the various fluxes contributing to net ecosystem carbon balances in peatlands and afforested peat systems and have incorporated all of the suggested references in the m/s. This necessitated a few further paragraphs before the discussion about the technical calculations in the Yamulki et al paper. 2. In line with Rev 1’s second comment, we have edited the text slightly to move forward the GHG estimate for the n’pris site, if one accepts that the NEE from a geographically and hydrologically different site

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can be used as a substitute. We have caveated this with an extra sentence. 3. In line with Rev 1's third comment, we have added a short section on the Frohking et al (2006) study to discuss the fate of methane emissions in the overall atmospheric carbon cycle and effects on global radiative forcing. 4. We have corrected the two minor typological errors pointed out by Rev 1.

Interactive comment on Biogeosciences Discuss., 10, 10271, 2013.

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10, C5140–C5141, 2013

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