

***Interactive comment on “Synthesizing  
greenhouse gas fluxes across nine European  
peatlands and shrublands – responses to climatic  
and environmental changes” by M. S. Carter et al.***

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An interesting contribution and I would like to just make a quick comment.

Having just seen other comments by several referees to a forest soil respiration manuscript, I would like to point out that the methodology used here (static chambers with inserted collars) should include a discussion on the potential issues of collar insertion, particularly in peatlands this seems to be an issue (see Heinemeyer et al 2011 but also another recent one by one of the co-authors, Emmett et al.). Maybe the GHG fluxes are quite severely affected (not only cutting roots but also causing water logging and changes in vegetation)? Maybe also another recent study by Heinemeyer

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and MacNamara, comparing static and dynamic chambers for CO<sub>2</sub> fluxes (and other on CH<sub>4</sub>) might be useful for a discussion?

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