

Interactive comment on “Eddy covariance for quantifying trace gas fluxes from soils” by W. Eugster and L. Merbold

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Received and published: 15 November 2014

This article is indeed supposed to be a review article and we (all executive editors and the handling TE) still view it as a review article that would be very good to have in SOIL. However, we are asking to put some additional effort into "synthesizing" the current knowledge about EC for soil related issues. As indicated in the guidelines, a review article "should... especially synthesize". A synthesis should lead to new understanding of the subject at hand. In this case, we are not expecting you to sneak in brand-new primary data material, but through summarizing and synthesizing coming up with novel thoughts about how EC could address some pressing questions within the realm of soil science. The last section of your paper does go into this, but we think that you can put

C199

some more effort into this section and thereby clearly and loudly spell out the potential of EC to address novel research question related to soils. We recommend that you check out the recent paper published by Baldocchi (GCB 2014, 20:3600-3609) as an example for future possibilities of EC. A focus on soils within the future of EC is what we would like to see in this review article. If the latter is accomplished together with addressing the comments of the reviewers, then this will be a very valuable contribution to SOIL.

Interactive comment on SOIL Discuss., 1, 541, 2014.

C200