

Interactive comment on “The nitrogen, carbon and greenhouse gas budget of a grazed, cut and fertilised temperate grassland” by Stephanie K. Jones et al.

Anonymous Referee #1

Received and published: 21 July 2016

The manuscript provides data of C-, N- and greenhouse gas balances of an intensively monitored Scottish grassland site over a period of nine years. Although it is not completely new to calculate balances like this, not a lot of studies exist where so many aspects have actually been measured (although a lot is still modelled or taken from the literature) and where measurements cover such a long time. Interesting is also the important comparison between calculated C and N budgets and measured changes of soil stocks. While the discussion of the latter covers the valid points, I would not overemphasize this, as differences between measurement and calculation are small (if significant at all).

There are several aspects, especially concerning the description of Material and

[Printer-friendly version](#)

[Discussion paper](#)



Methods, that are not completely clear and require a bit more information for the reader to be able to follow and interpret the results. Also in the Discussion, there are some points that need a bit of attention from the part of the authors. Please see the uploaded annotated copy of the manuscript.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/bg-2016-221/bg-2016-221-RC1-supplement.pdf>

Interactive comment on Biogeosciences Discuss., doi:10.5194/bg-2016-221, 2016.

BGD

Interactive
comment

Printer-friendly version

Discussion paper

