

Dear Dr. Ito,

Thank you very much for the positive response and the useful comments and suggestions.

Please, find below the list of the modifications we made:

1. The last 2 sentences from the abstract were removed.
2. Thank you for drawing our attention to the incorrect citations form and inconsistent DOI information. We added the missing comas to the citations and change the form of the DOI as required.
3. Table 3 and Table 4 were moved to the supplementary material (Table 3 -> Table S.1; Table 4 -> Table S.7)
4. Figure 3 was changed. The second axis was removed at Fig. 3d, but we would leave the second axis at Fig. 3e and f. Without the secondary axis, the pattern of the modeled fluxes would not be visible. However, we completely agree with the Editor, that the second axis is confusing. To avoid this, we extend the text and the description of Fig. 3 with the following sentences:
 - a. L. 384: "However, the modeled fluxes at Coup and DNDC are definitely lower than the measured fluxes and they are not in the same magnitude (Fig. 3e and f, secondary y axis)."
 - b. Fig. 3: "Important to note the difference in magnitude of the modelled and measured N_2+N_2O fluxes (Fig3e and f, secondary y axis)."

Additional changes we made:

5. Line 4: remove "B." from author list
6. Line 239: "Saxton and Rawls, 2000" changed to "Saxton and Rawls, 2006".
7. Lines 77; 163; 242; 356; 368; 381; 421; 500; 783, and from the end of the description of Fig. 1 and from the end of the title of section 4.2.2 (double spaces removed).
8. Figure 1 was changed. We added the missing ticks and numbers to the x axis of d, e, f subplots.
9. We added the missing URL link to the reference of the GNUPlot program and reference a newer version (date change from 2011 to 2019 in line 260). "Williams, T. and Kelley, C.: Gnuplot 5.2: an interactive plotting program. URL: http://gnuplot.sourceforge.net/docs_5.2/Gnuplot_5.2.pdf, 2019"