

Dear Dr. Daniel Goll,

I will ask referees whether they are satisfied with your revision. But before that, you should address following defects in the revised manuscript.

- (1) Figure 2 is duplicated, and correct Figure 6 is missing. Orders of figures 3 to 6 are off by one.
- (2) In the caption of the Figure 1, ["mobile" (labile nitrogen)]: Switch the word mobile and labile.
- (3) Figure 1: Denotations A, W, E, and N would be better to be unified to denotations in the main text (C_A , C_W , C_E , and C_N).
- (4) Figure 1: Notifications “Non-lignified litter” and “Lignified litter” are only available for the nitrogen boxes. But, it would be better to put it on the carbon pools as well.
- (5) Table 1 and main text. Variable identifier F_{extr} is employed for both meaning of nitrogen input from excrements and nitrogen lost due to leaching. It’s confusable.
- (6) P6 L7~L8, C_{lw} and C_{la} : It might be better to represent as $C_{l,w}$ and $C_{l,a}$.
- (7) Table 3, N_{lw} and N_{la} : It might be better to represent as $N_{l,w}$ and $N_{l,a}$.
- (8) P8, Line 28, “decomposition rate of the corresponding YASSO carbon pool C_H , k_H ”: Here, C_H should be in parenthesis.
- (9) P13, L18: “appendix” should be replaced by “figure A1”.
- (10) P13, L26: “appendix” should be replaced by “table A1”.
- (11) P14, L1: “980-1030”: Provide unit.
- (12) P15 L1: A period missing.
- (13) P15, L8 “25%”: It should be 23% if table 6 provides correct values.
- (14) P17, L4: “Figure 4d” would be replaced by “Figure 4e, f”
- (15) Page 14 L11: A typo in "t hey".
- (16) The caption of Figure A1: “(D)” would be replaced by “(B)”.