

## ***Interactive comment on “The soil N cycle: new insights and key challenges” by J. W. van Groenigen et al.***

**J. W. van Groenigen et al.**

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Dear Prof. Kalbitz,

please find attached to this message the revision of our manuscript "The soil N cycle: new insights and key challenges". We have uploaded our response to the three reviewers and the short comment by U. Pöschl in the respective threads.

We would like to thank all three reviewers for thorough and useful comments; we believe addressing them has considerably improved the internal cohesion, structure and readability of our manuscript. The changes we made include a major revision (practically a rewriting) of the introduction section; a significant extension to the conclusion section; reshuffling and reformulation of the 8 "key challenges" in the manuscript; a

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streamlining of the terminology throughout the manuscript; a change in Figure 1; as well as many major and minor editorial changes in response to the reviewers' comments. We hope that, with these changes made, the manuscript meets the criteria for publication in SOIL.

Please note that, due to the extensive revisions we made to our manuscript, we uploaded two manuscripts: one version with "track changes" visible (uploaded separately), and another (much more readable) one with all changes accepted (uploaded with this message).

We are looking forward to your decision.

Sincerely, on behalf of all authors,

Jan Willem van Groenigen.

Please also note the supplement to this comment:

<http://www.soil-discuss.net/1/C663/2015/soild-1-C663-2015-supplement.pdf>

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Interactive comment on SOIL Discuss., 1, 623, 2014.

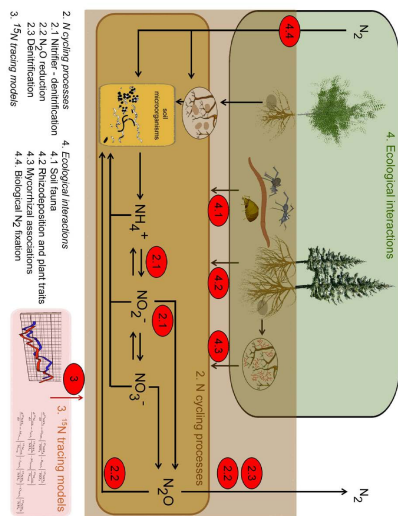


Fig. 1. Figure 1

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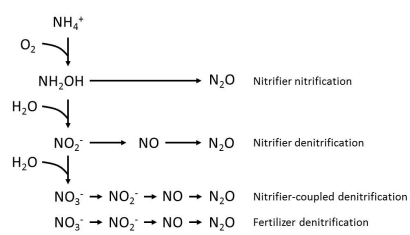


Fig. 2. Figure 2

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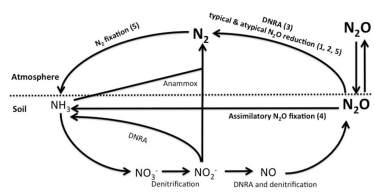


Fig. 3. Figure 3

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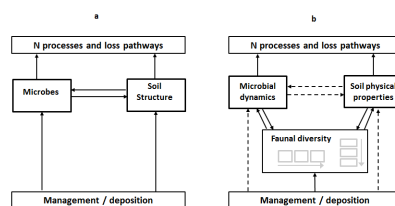
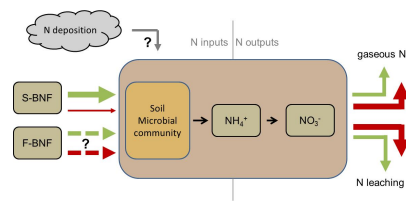


Fig. 4. Figure 4

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**Fig. 5.** Figure 5

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