



EGUsphere, author comment AC1  
<https://doi.org/10.5194/egusphere-2022-562-AC1>, 2022  
© Author(s) 2022. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## Reply on RC1

Junxiao Pan et al.

---

Author comment on "Biotic factors dominantly determine soil inorganic carbon stock across Tibetan alpine grasslands" by Junxiao Pan et al., EGU Sphere,  
<https://doi.org/10.5194/egusphere-2022-562-AC1>, 2022

---

Dear Editor

SOIL

On behalf of our co-authors, we thank you very much for handling our manuscript and sending us very valuable reviews on the manuscript entitled "**Biotic factors dominantly determine soil inorganic carbon stock across Tibetan alpine grasslands**" (egusphere-2022-562). We greatly appreciated the constructive and valuable comments from you and the reviewers. Your intellectual inputs have helped us improve the paper tremendously.

We have carefully studied all comments and revised our manuscript accordingly. Specifically, we have rewritten the methods section to make it clearer. Following the comments, we have expanded the discussion of mechanisms underpinning the statistical results. In addition, we have carefully checked and revised our text to avoid ambiguous writing and possible inappropriate interpretation.

We hope you and the reviewers will be satisfied with our revisions and look forward to hearing from you.

Here are our detailed responses to the reviewers. Please note that the comments from the reviewers are in BLACK followed by our responses in BLUE text.

Yours sincerely

Junxiao Pan, Jinsong Wang, PhD  
Key Laboratory of Ecosystem Network Observation and Modeling,  
Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of  
Sciences, Beijing 100101 China

Please also note the supplement to this comment:

<https://egusphere.copernicus.org/preprints/2022/egusphere-2022-562/egusphere-2022-562-AC1-supplement.pdf>