

Interactive comment on “Consumption of atmospheric methane by the Qinghai–Tibetan Plateau alpine steppe ecosystem” by Hanbo Yun et al.

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Dear editor, We thank you for handling our manuscript [tc-2017-264], and thank you for your valuable and constructive comments and suggestions. Following those comments and suggestions, we have carefully revised the manuscript; and we are pleased to submit the revised manuscript for potential publication in The Cryosphere. In this revised manuscript, we have made the following major changes. 1. We have included explicit statements on research goals in the revised manuscript. 2. We strengthened the connection between data and mechanistic explanations, in which we showed how several hypotheses about the mechanisms behind our observed CH₄ patterns can be proven

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or tested with field measured environment data. 3. We re-organized all the figures by only keep some significant figures in main text and putting other non-essential figures into supplementary materials. 4. We enhanced the writing by ensuring that each paragraph has a topic sentence, and the flow of narratives progresses naturally. We also had the entire manuscript checked for grammatical errors by a native English speaker. We have also addressed all the other questions and comments raised by you. Detailed responses to each question and comment can be found in the responses to reviewer comments (see supplement files). We hope this revised manuscript will satisfy you.

Thank you again for your time and efforts on our manuscript. We look forward to hearing from you.

Yours sincerely,

Hanbo Yuns

Please also note the supplement to this comment:

<https://www.the-cryosphere-discuss.net/tc-2017-264/tc-2017-264-AC1-supplement.zip>

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-264>, 2017.

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