

## ***Interactive comment on “Different responses of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O fluxes to seasonally asymmetric warming in an alpine grassland of Tianshan Mountains” by Yanming Gong et al.***

### **Anonymous Referee #1**

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I have reviewed this paper by Gong et al. This study revealed the effect of seasonally asymmetric warming on greenhouse gas fluxes in alpine grassland, and it advances our understanding of warming effects on greenhouse gas fluxes. I think there are a few minor issues that could be improved Before it could be accepted for publication. 1) The authors should focus more on the mechanisms behind the different responses of greenhouse gas fluxes to seasonally asymmetric warming. 2) There are a few minor things needed to be revised throughout the manuscript. For example, Line 16: "greenhouse gas flux" should be changed to "greenhouse gas fluxes"; Line 154: "Figure 2" should be "Fig. 2" to be consistent with other places.

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Discussion paper



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