

1. Okay, please pay attention to motivate your choice of approach in contrast to other available approaches for estimating changes in the frequency of extreme events.
2. Okay
3. Thank you for informing me that they are standard information theory approaches. Please note not all readers will be proficient in information theory so thank you for including the explanation
4. Okay
5. Sounds good
6. Author response: '*We added the explanation in Line 397-398 by referring to Munkhjargal et al. (2020), Iijima et al. (2018), and He (2017), which suggest the winter temperature between Mongolia and Siberia are correlated spatially.*'

Okay, I will examine this carefully in the revised manuscript to see if there is a correlation between the two. You will need strong justification here with the addition of a figure (in the manuscript of appendix) showing this correlation.

7. Okay
8. Okay
9. Okay