

## ***Interactive comment on “Spatial and Temporal Pattern of Drought Hazard under Different RCP Scenarios for China in the 21<sup>st</sup> century” by Tao Pan et al.***

### **Anonymous Referee #1**

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This research evaluated the future drought conditions of China by calculating drought index SPEI. The research is reasonable and the illustrations are comprehensive. My specific comments are listed below: 1. Since your research focuses on the SPEI in the future stage, the bias correction method you utilized to correct GCM data should be described in details. 2. The advantages of SPEI cannot be seen if you only employ one drought index. If you compare SPEI with the other one that does not take temperature into consideration (e.g. SPI), then we can clearly understand the importance of temperature or ET in drought monitoring. 3. The item “ET0” usually refers to reference evapotranspiration. Here in the calculation of SPEI, ETp or PET are recommended.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-242>, 2018.

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