

- 1、 The authors should emphasize this work's main novelty or contribution more clearly.
- 2、 Though ML methods were successfully applied in the previous regional studies, regionalized models were just suitable for specified periods or regions. How can the authors promise the suitability of the ML methods at the global scale?
- 3、 By using the OLS model, did each GCM represent a dimension of space? How to set the weights for each GCM?
- 4、 Does the sum of $\beta_1^1, \beta_2^1, \dots, \beta_{16}^1$ equal 1?
- 5、 Please make the code of this paper available for authors if possible.
- 6、 Different GCMs have different spatial resolutions; how do you simultaneously set them as the input? Did the authors downscale the GCMs to the same spatial resolution?
- 7、 The authors should improve image resolution.

There are also some tiny mistakes:

- 1) In Figure 1, the 30 CRU images in February should be changed to 196502
- 2) In line 165, "The process can be described as four steps in detail:" but only three steps are presented.
- 3) In line 173, it should be equation 5.