



## **Performance of BCC-CSM2-MR in simulating summer climate changes in East Asia**

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Beijing Climate Center climate system model version 2 (BCC-CSM2-MR) is one of the models developed by BCC participated in CMIP6. We evaluate the recent climate changes occurred in East Asia simulated by this model using its historical simulations provided for CMIP6. Results show that BCC-CSM2-MR can partly reproduce the changes of precipitation featured by “South Flood and North Dry” in East China. This is attributed to that this model is able to simulate the weakened East Asian summer monsoon. The cooling trend of surface air temperature in central eastern China can also be reproduced by BCC-CSM2-MR. The reasons are explored with the detection and attribution experiments carried out with BCC-CSM2-MR.