Supplement

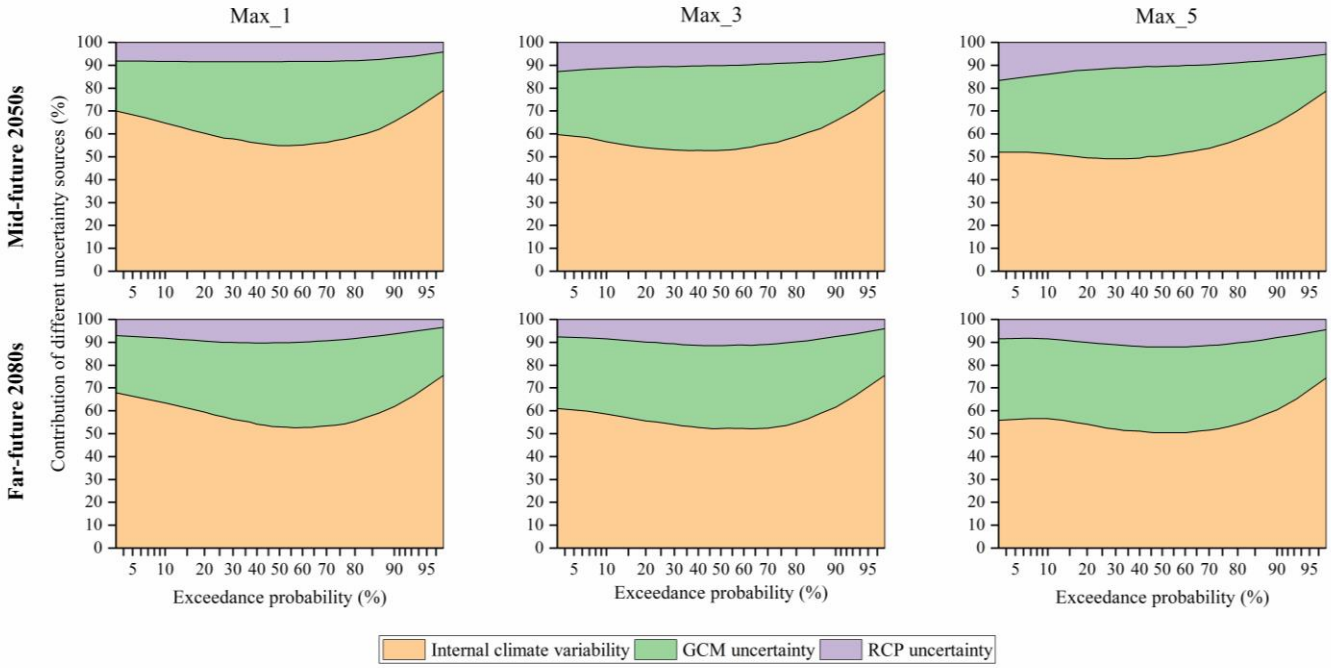

Figure S1: Contribution of three uncertainty sources, i.e. from RCPs, GCMs and internal climate variability for extreme rainfall in the mid-future period 2050s and the far-future period 2080s, respectively. Symbols Max_1, Max_3 and Max_5 represent the annual maximum 1-, 3- and 5-day rainfall, respectively.

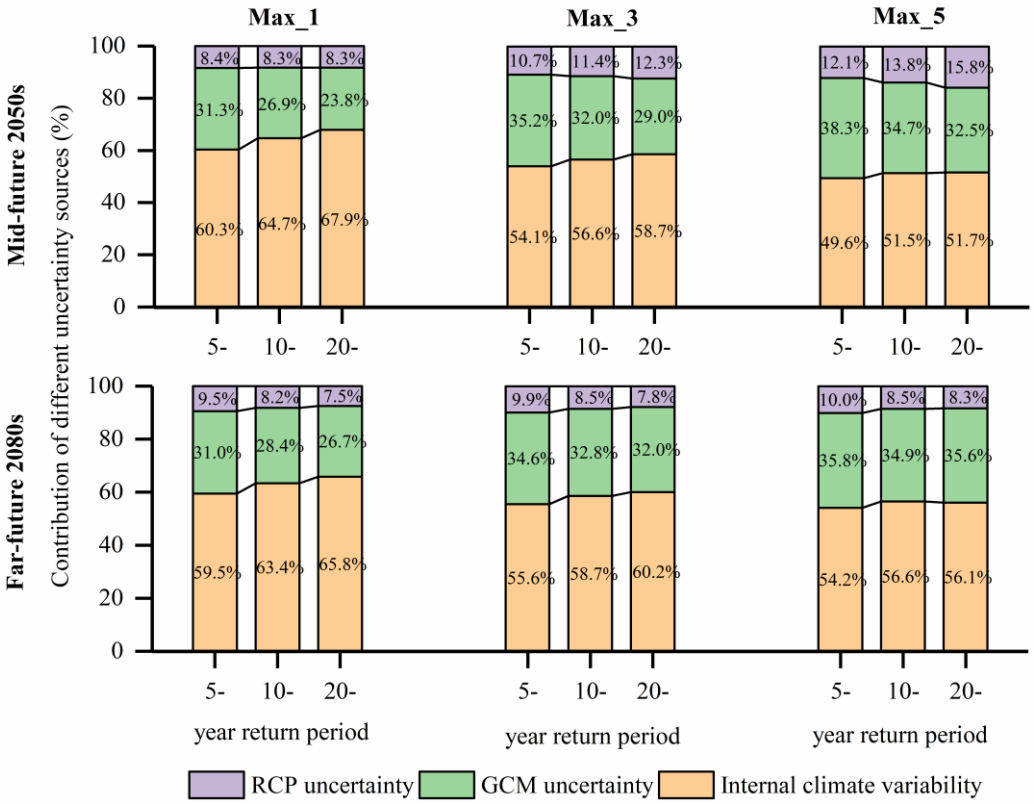

Figure S2: Contribution of the three uncertainty sources for extreme rainfall at 5-, 10- and 20-year return periods in the mid-future period 2050s and the far-future period 2080s, respectively. Symbols Max_1, Max_3 and Max_5 represent the annual maximum 1-, 3- and 5-day rainfall, respectively. The figures on the bars represent the contribution values of different uncertainty sources.

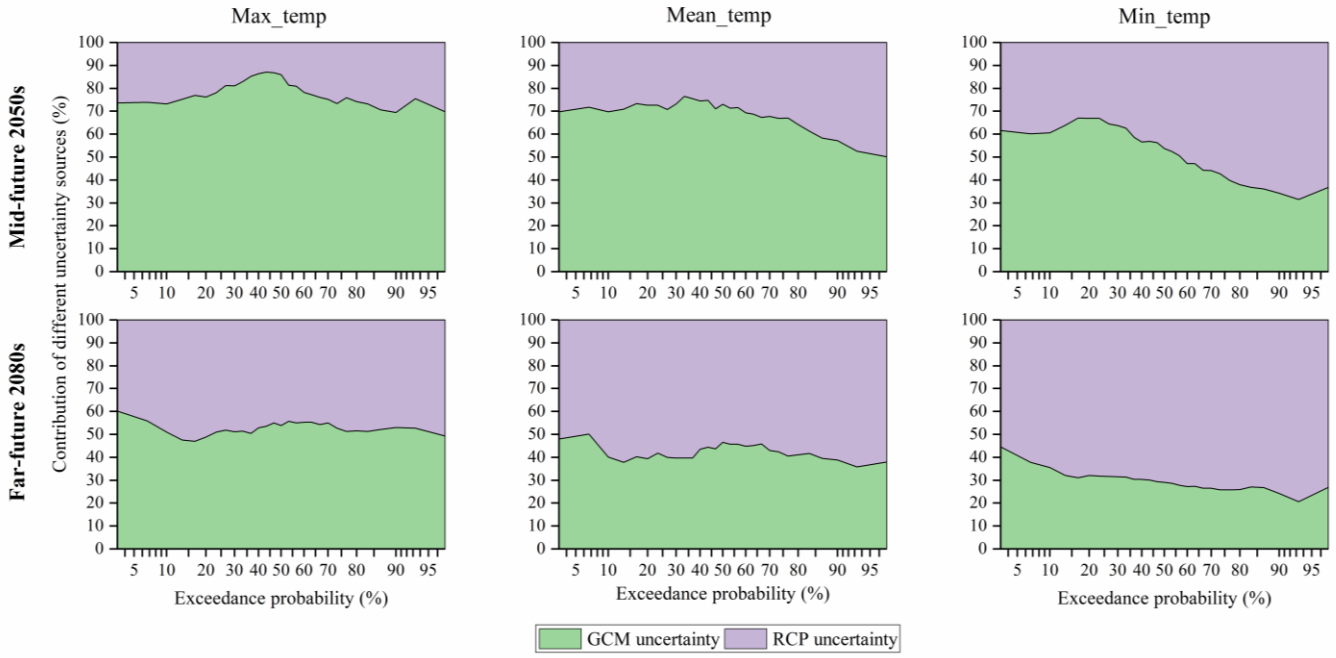

Figure S3: Contribution of RCP and GCM uncertainty sources for annual maximum daily maximum, minimum and mean temperatures in the mid-future period 2050s and the far-future period 2080s, respectively. Symbols Max_temp, Min_temp and Mean_temp represent the daily maximum, minimum and mean temperatures, respectively.

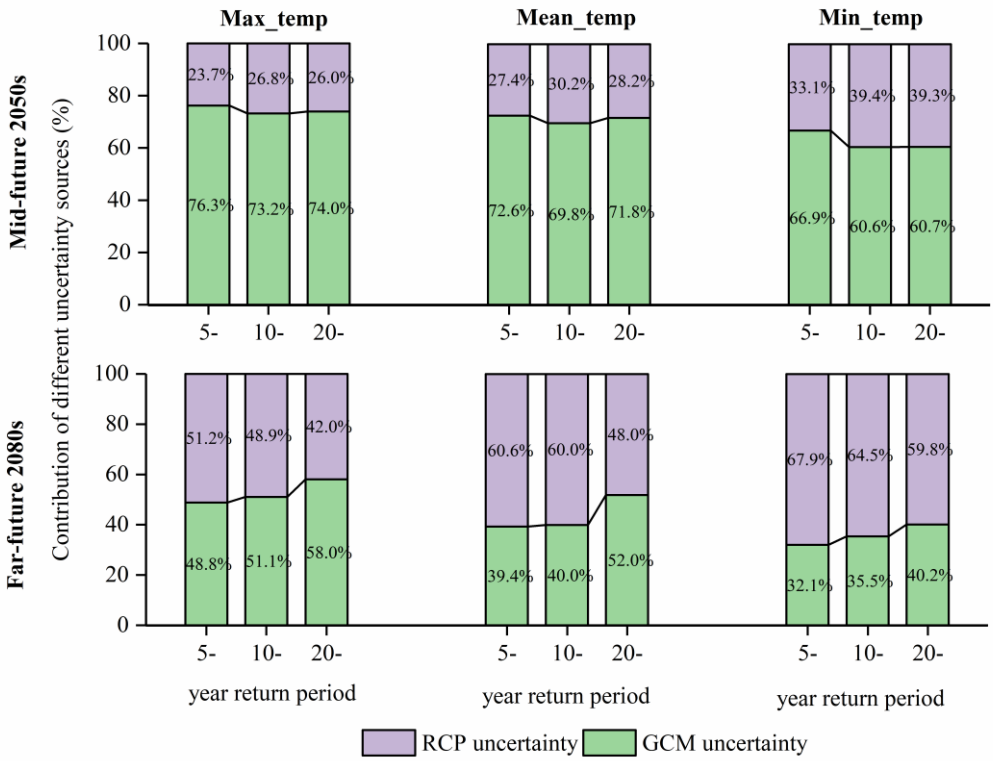

Figure S4: Contribution of RCP and GCM uncertainty sources for annual maximum daily maximum, minimum and mean temperatures at 5-, 10- and 20- return periods in the mid-future period 2050s and the far-future period 2080s, respectively. Symbols Max_temp, Min_temp and Mean_temp represent the daily maximum, minimum and mean temperatures, respectively. The figures on the bars represent the contribution values of different uncertainty sources.