



Figure S1: Flow duration curves for the Wörnitz (a) and Ammer (b) catchments. Blue lines are based on discharge observations in the period 1981 – 2010. The green line shows the WaSiM simulation driven by meteorological observations. The grey lines represent the 50 members of the WaSiM-LE simulations driven by the CRCM5-LE.

The WaSiM meteo-obs-driven flow duration curve is at the “dry” end in both catchments, while almost all CRCM5-LE simulations are “wetter”.

This seems counterintuitive as the entire paper argues that droughts will increase. What are the reasons for this discrepancy? Is this not all the data for the entire period (only the subset baseline shown here)? Is it bias corrected or raw CRCM5-LE? Please explain/discuss this issue.