



Supplement of

Projected changes in droughts and extreme droughts in Great Britain strongly influenced by the choice of drought index

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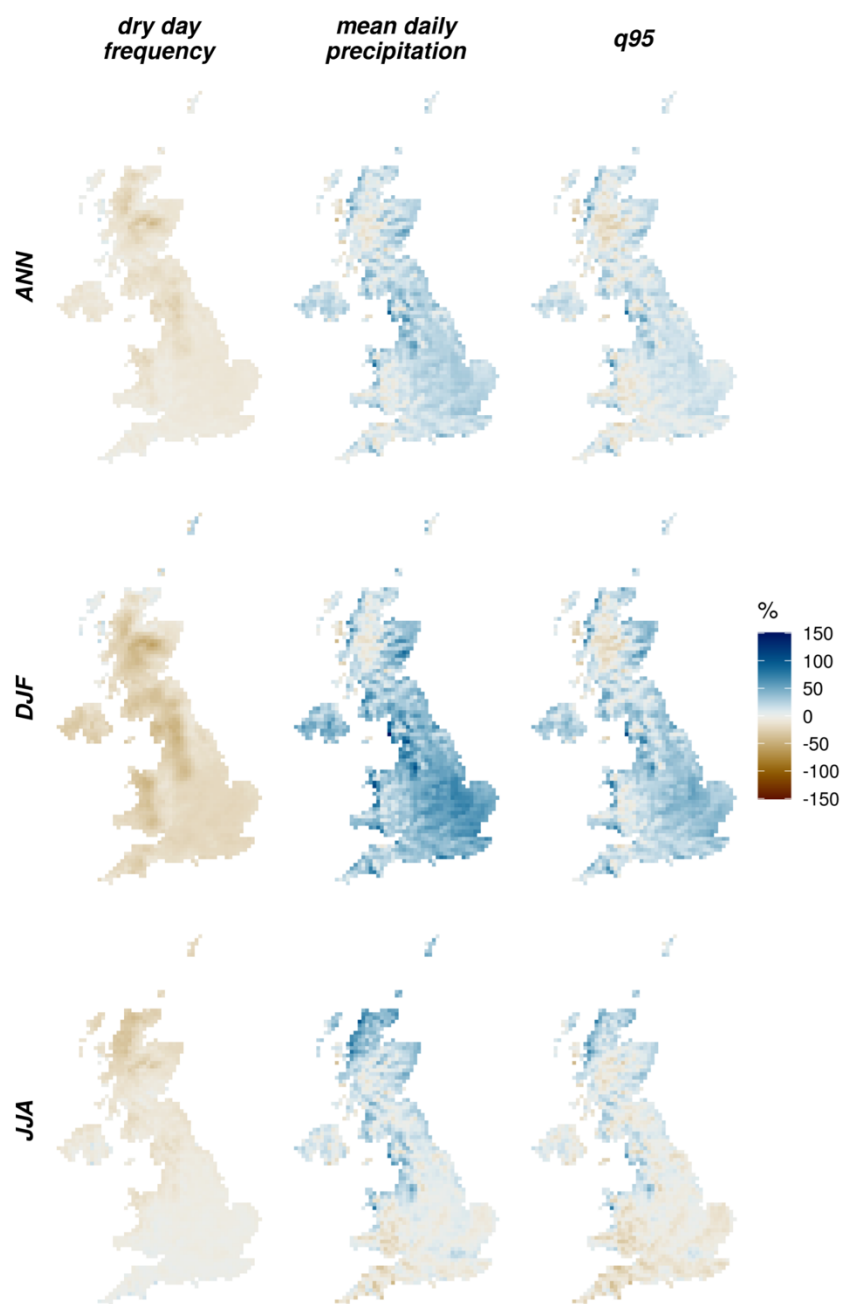


Figure S1. Mean precipitation biases in UKCP18-RCM for 1981-2010, expressed as a percentage of the observed values. The bias for each ensemble member was computed and the mean across the ensemble is shown here. Dry-day frequency is the percentage of days with $P < 1$ mm; q95 is the 0.95 quantile of precipitation. Created by Nicole Forstenhäusler.



Figure S2. Mean PET biases (mm) in UKCP18-RCM for 1981-2010. The bias for each ensemble member was computed and the mean across the ensemble is shown here. Q05 and Q95 are the biases in the 0.05 and 0.95 quantiles respectively.

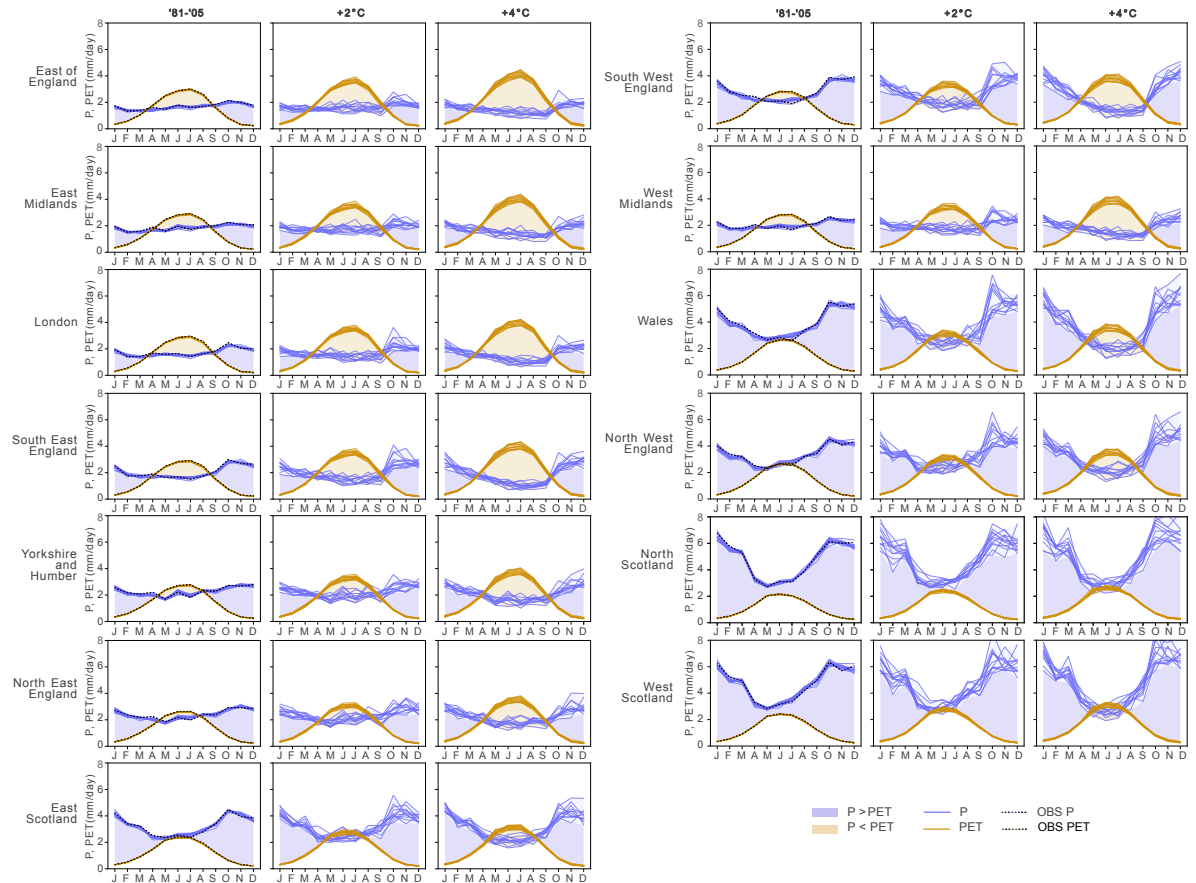


Figure S3. Seasonal cycle of precipitation (P; blue lines) and potential evapotranspiration (PET; orange lines) for the 12 bias-adjusted UKCP18-RCM ensemble members, for all UKCP18 administrative regions. The different lines represent different ensemble members. Observations are shown in darker, dashed lines.

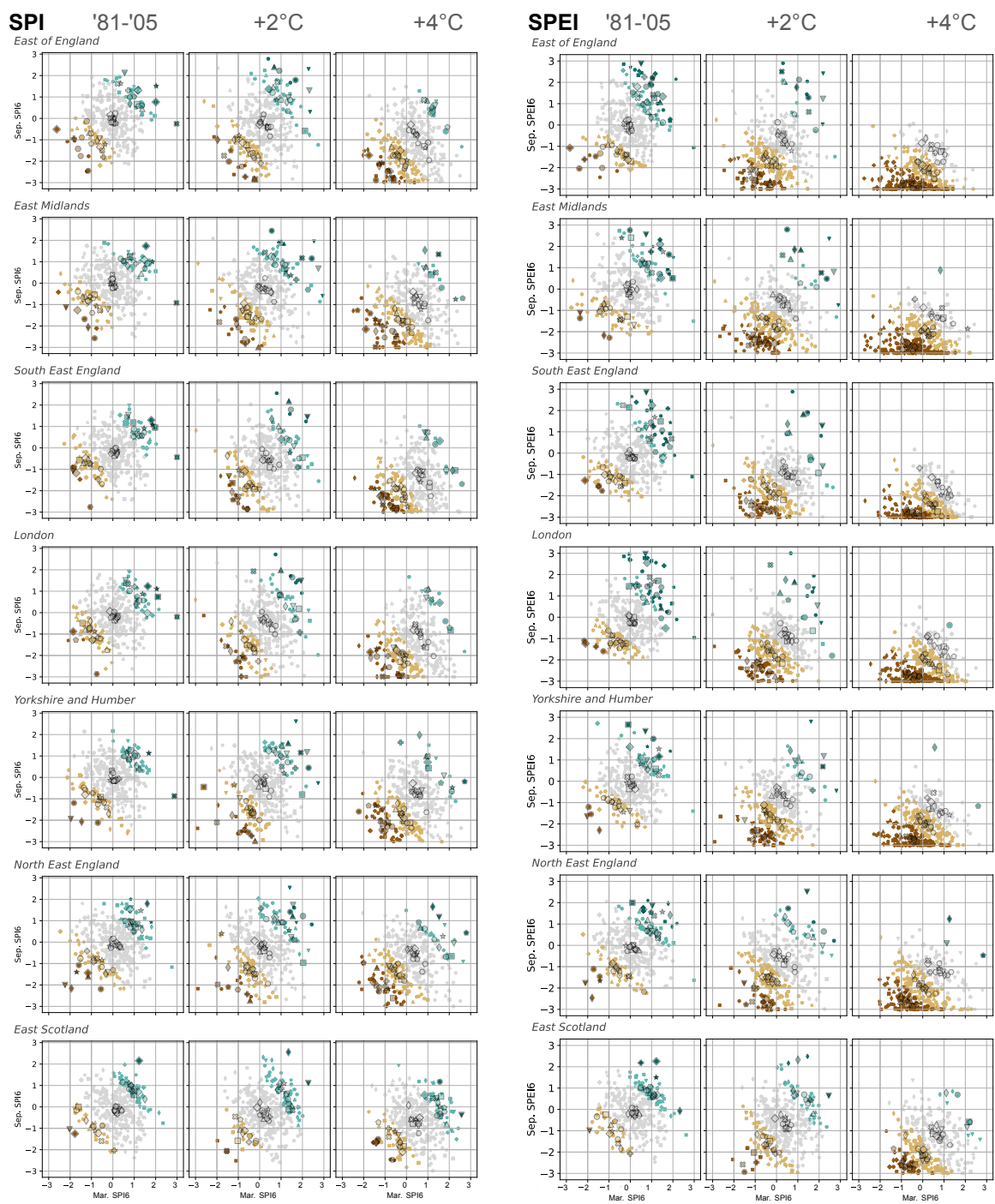


Figure S4. As Figure 8 but for all GB regions (Continued in Fig. S5).

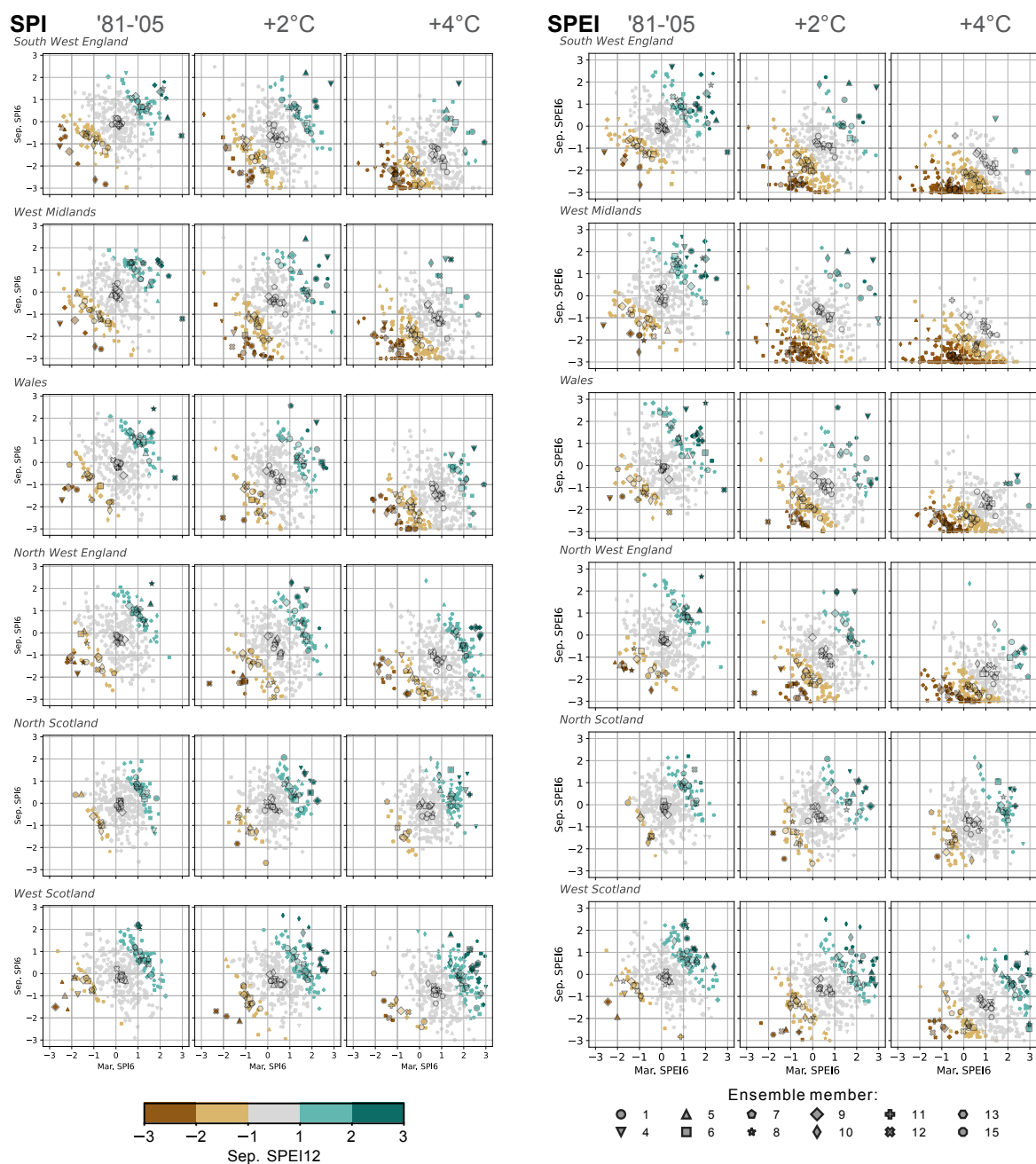


Figure S5. As Figure 8 but for all GB regions (continuation of Fig. S4).

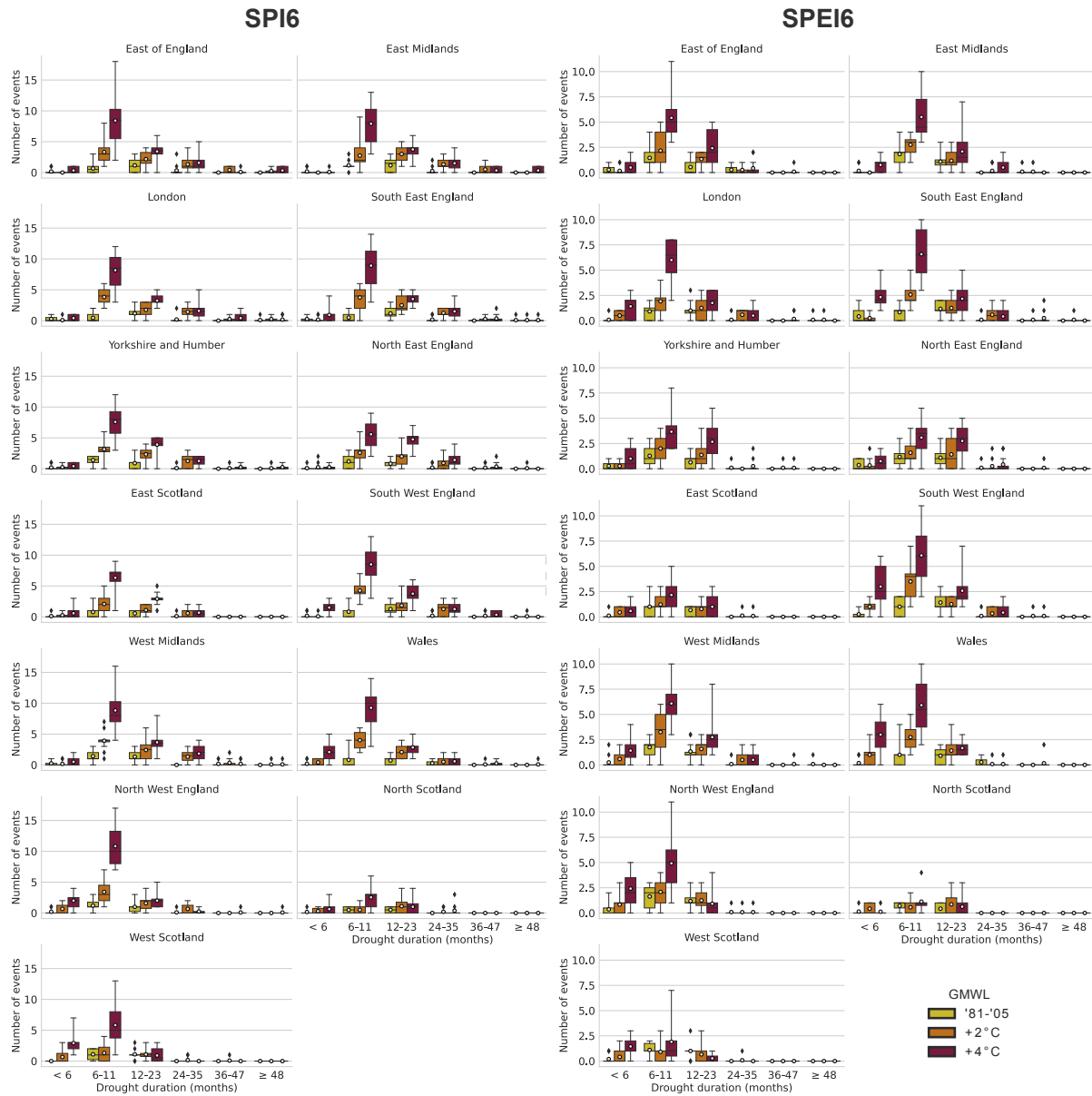


Figure S7. As Figure 9 but for all regions and isolating drought events that reach extreme levels at some point.