

# Supporting Information for “Future hotspots of compound dry and hot summers emerge in European agricultural areas”

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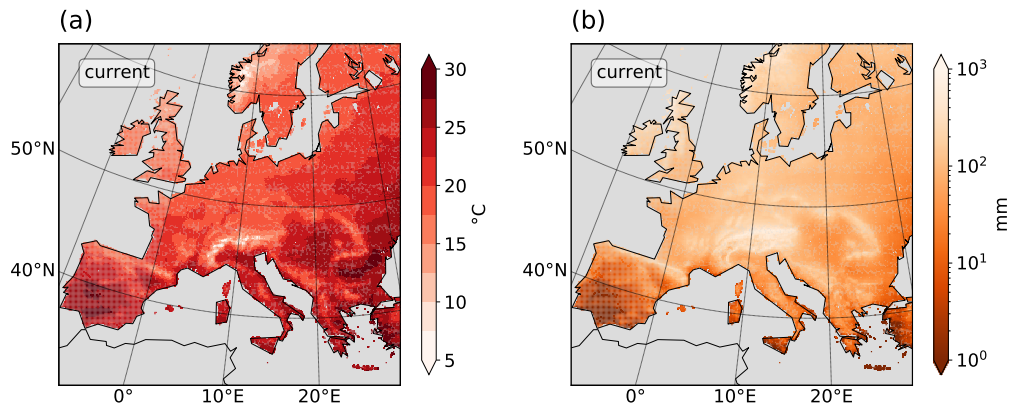
## Contents of this file

1. Figures S1 to S3

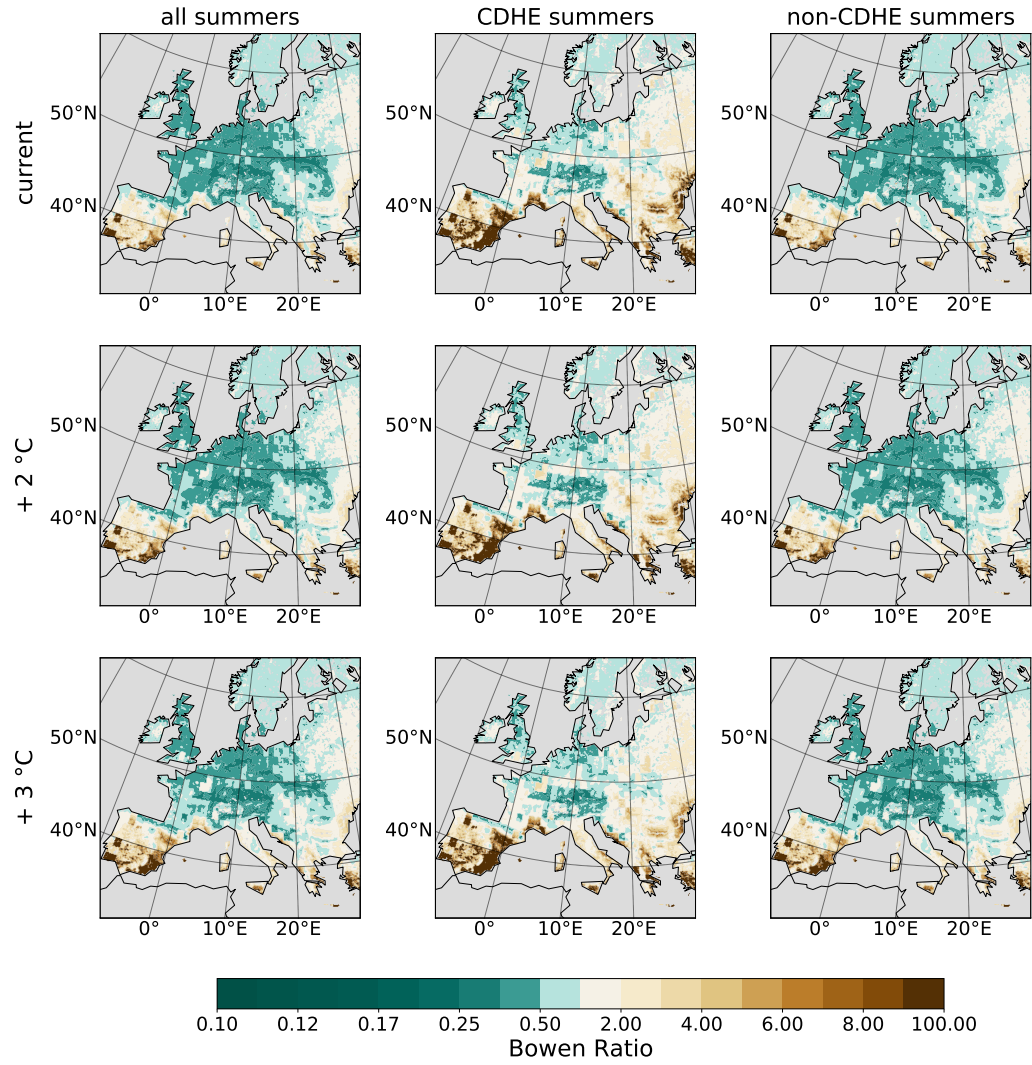
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## Supplementary Figures

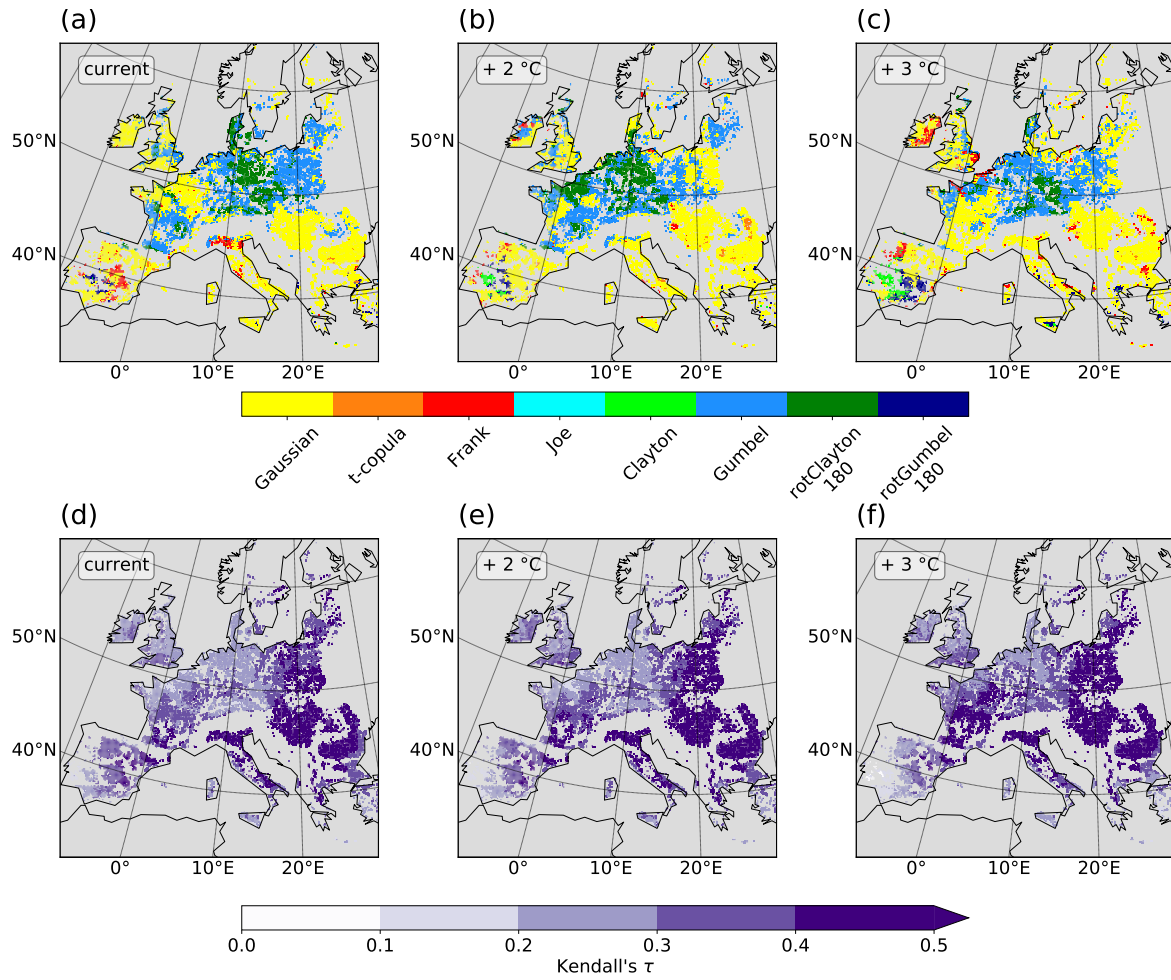


**Figure S1.** (a) 95th percentile of summer (June-July-August) temperatures across all CRCM5-LE members in Europe. (b) as (a) but for summer precipitation.



**Figure S2.** Bowen Ratio (BR) for all global warming levels (current, +2 °C, +3 °C; see main text). Columns show BR during all summers, CDHE-summers, and non-CDHE-summers.





**Figure S3.** (a)–(c): Spatial distribution of fitted copula families for three global warming levels (current, +2 °C, +3 °C; see main text) in the CRCM5-LE. Yellow to red colors correspond to symmetric copula families, green to blue to asymmetric families, (d)–(f): theoretical Kendall's  $\tau$  based on the copula family and parameter.