



Supplement of

Soil moisture–atmosphere coupling strength over central Europe in the recent warming climate

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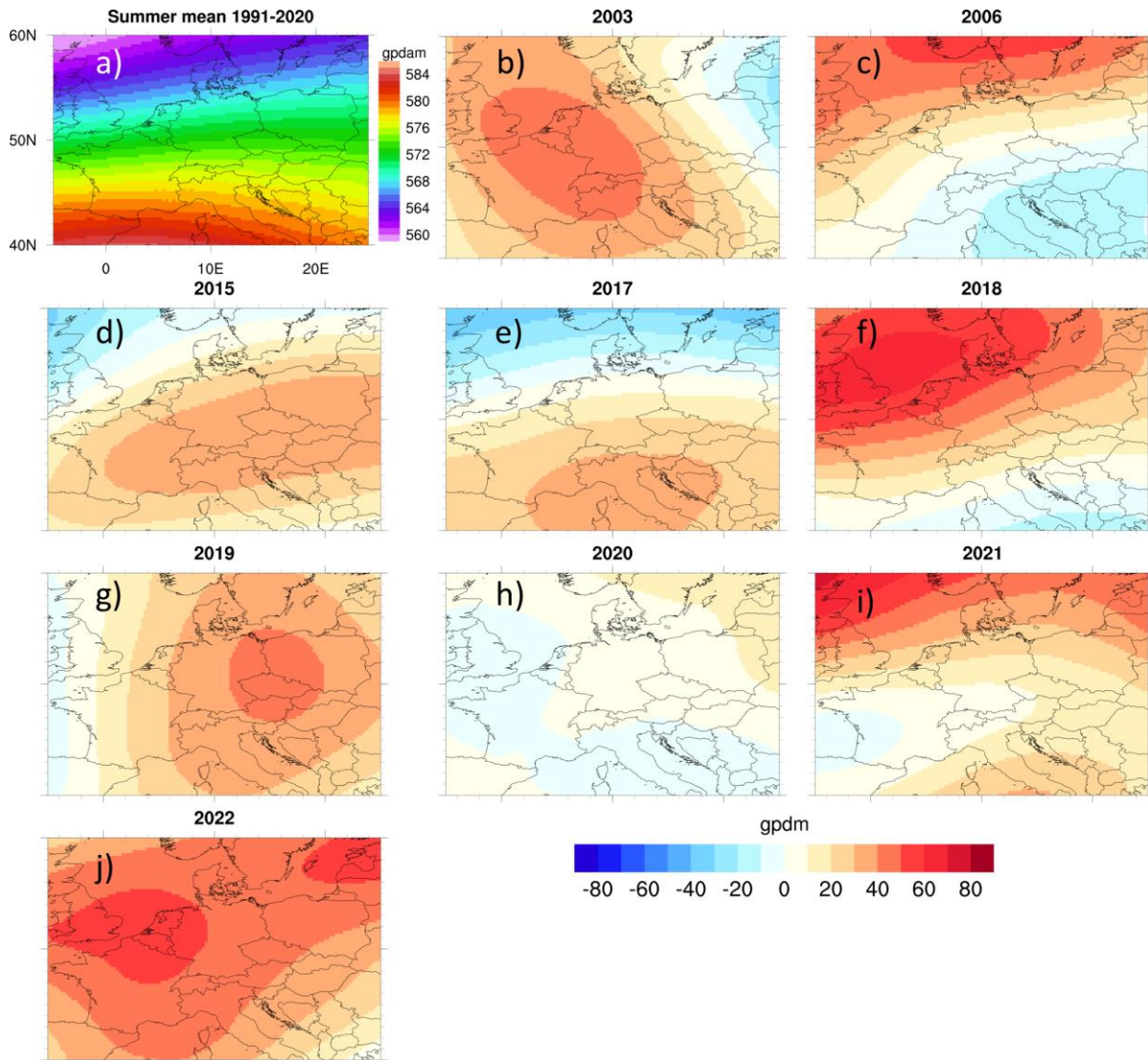


Figure S1. ERA5 500hPa geopotential anomalies [gpdam] for the selected summer seasons with respect to the summer mean of 1991-2020. The top left panel shows the mean summer 500 hPa geopotential from 1991 to 2020.

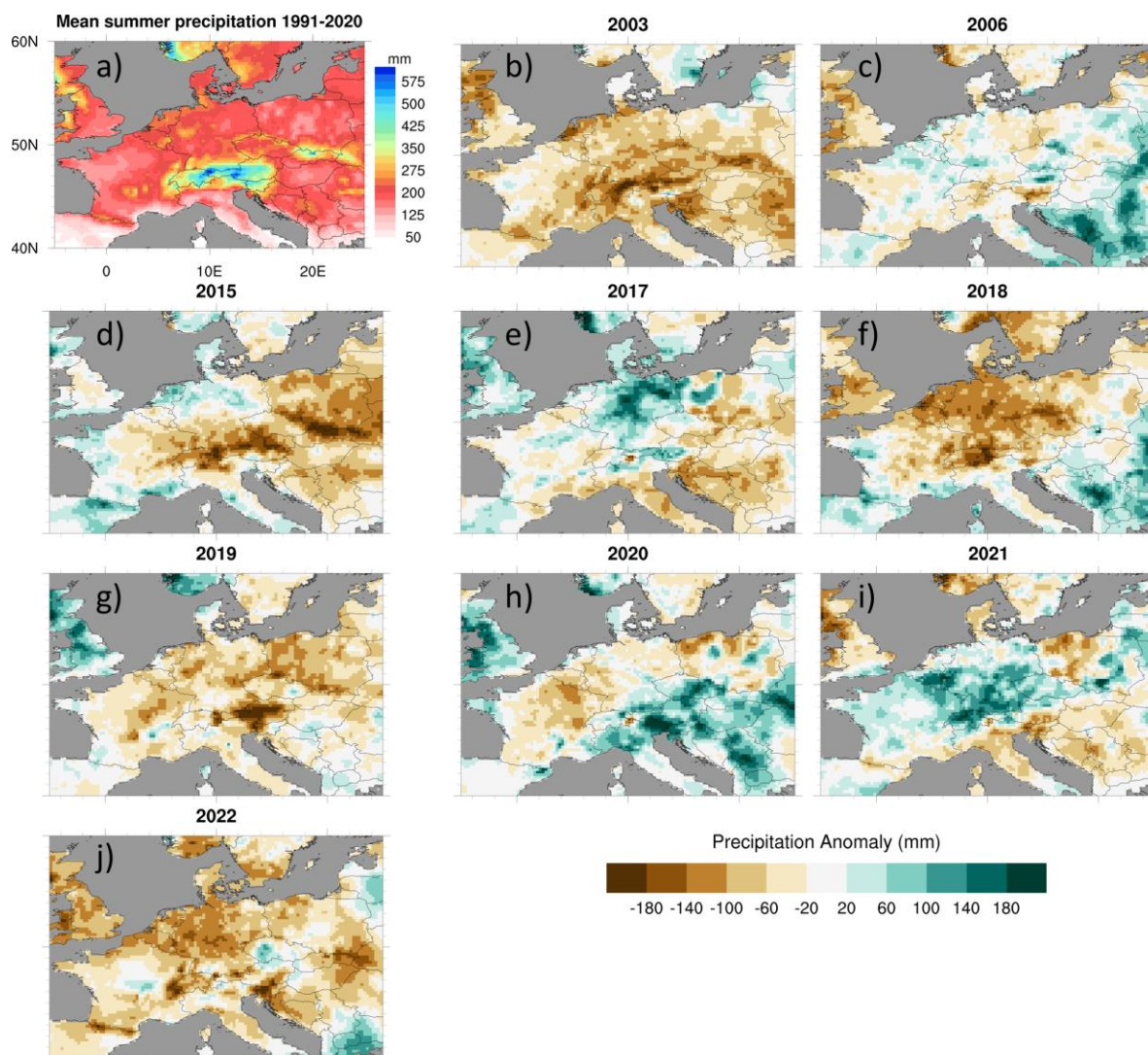


Figure S2. E-OBS precipitation anomalies [mm] for the selected summer seasons with respect to the summer mean 1991-2020. The top left panel denotes the mean summer precipitation from 1991 to 2020.

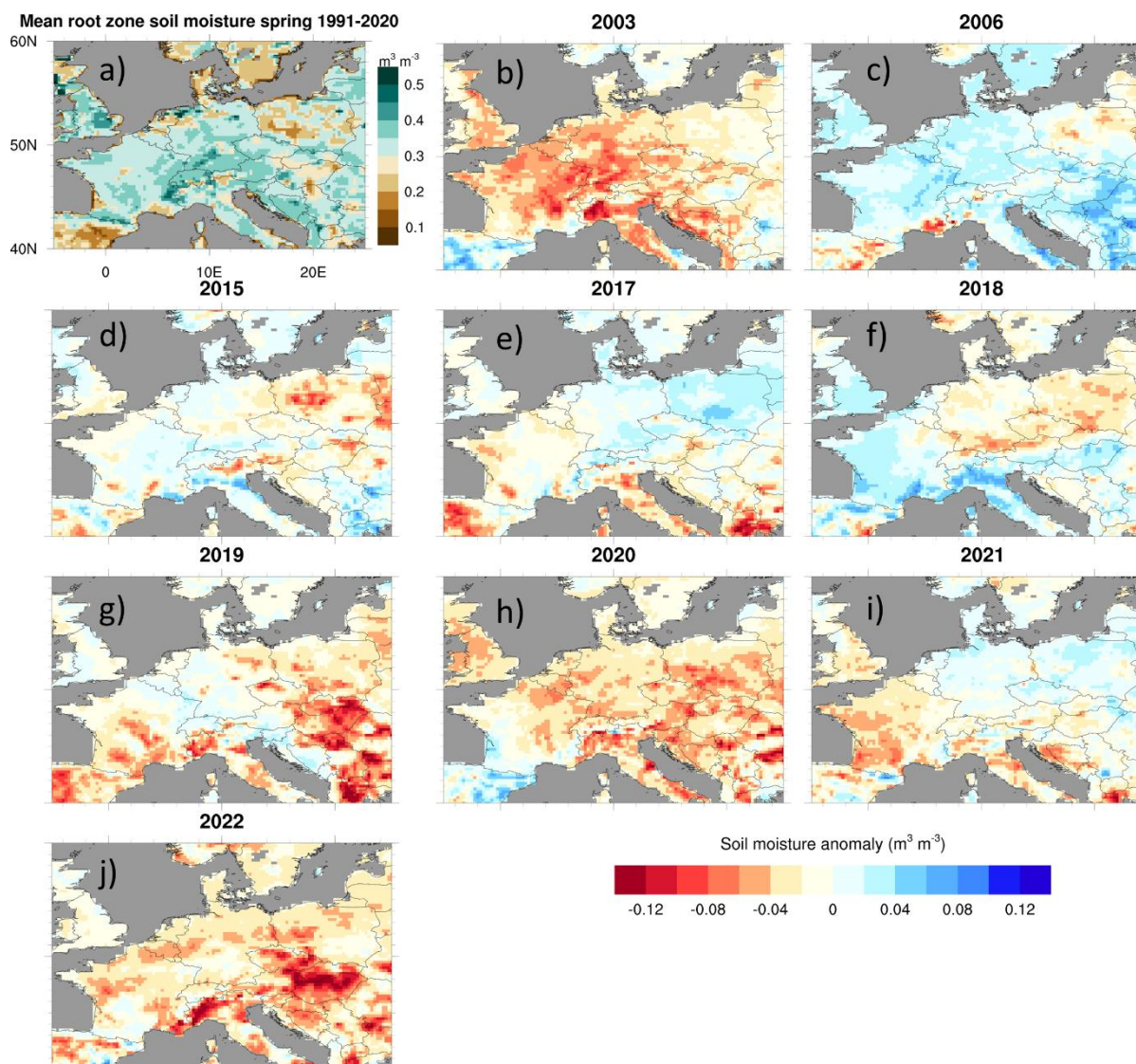


Figure S3. ERA5 soil moisture anomalies [$\text{m}^3 \text{m}^{-3}$] with respect to 1991-2020 for the spring seasons corresponding to the evaluated summer seasons. The top left panel denotes the spring mean root zone soil moisture 1991-2020 from ERA5.

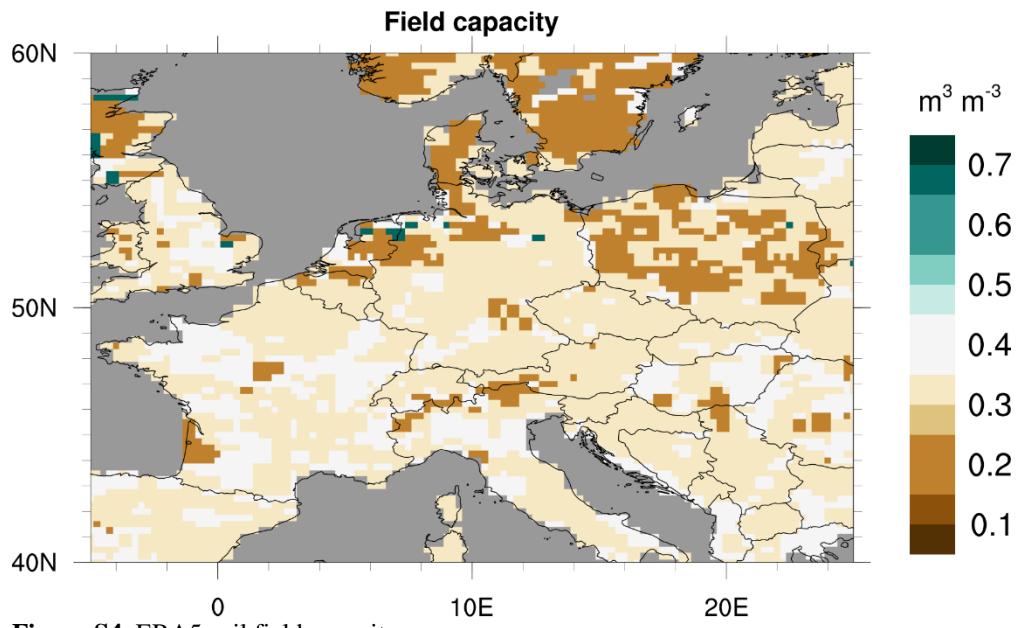


Figure S4. ERA5 soil field capacity.

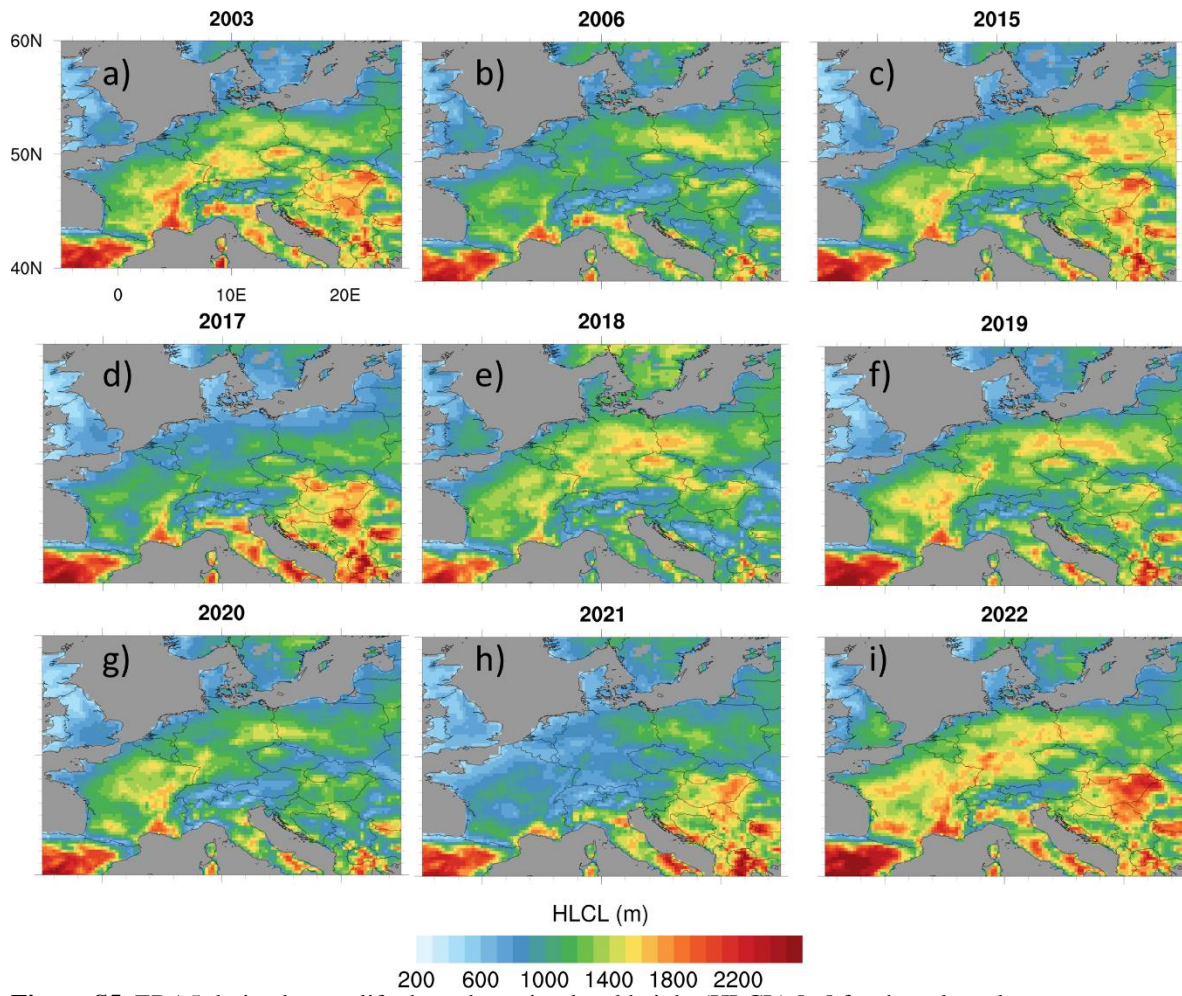


Figure S5. ERA5 derived mean lifted condensation level height (HLCL) [m] for the selected summer seasons.