

Figure S1. Intensity of hotspots related to changes in air temperature as derived from bioclimatic variables 1-11. The intensity of changes is represented by deciles and refers to the difference between the periods 1987-2013 (SP2) and 1961-1986 (SP1) for Annual Mean Temperature (BIO01), Mean Diurnal Range (BIO02), Isothermality (BIO03), Temperature Seasonality (BIO04), Max Temperature of Warmest Month (BIO05), Min Temperature of Coldest Month (BIO06), Temperature Annual Range (BIO07), Mean Temperature of Wettest Quarter (BIO08), Mean Temperature of Driest Quarter (BIO09), Mean Temperature of Warmest Quarter (BIO10), Mean Temperature of Coldest Quarter (BIO11)

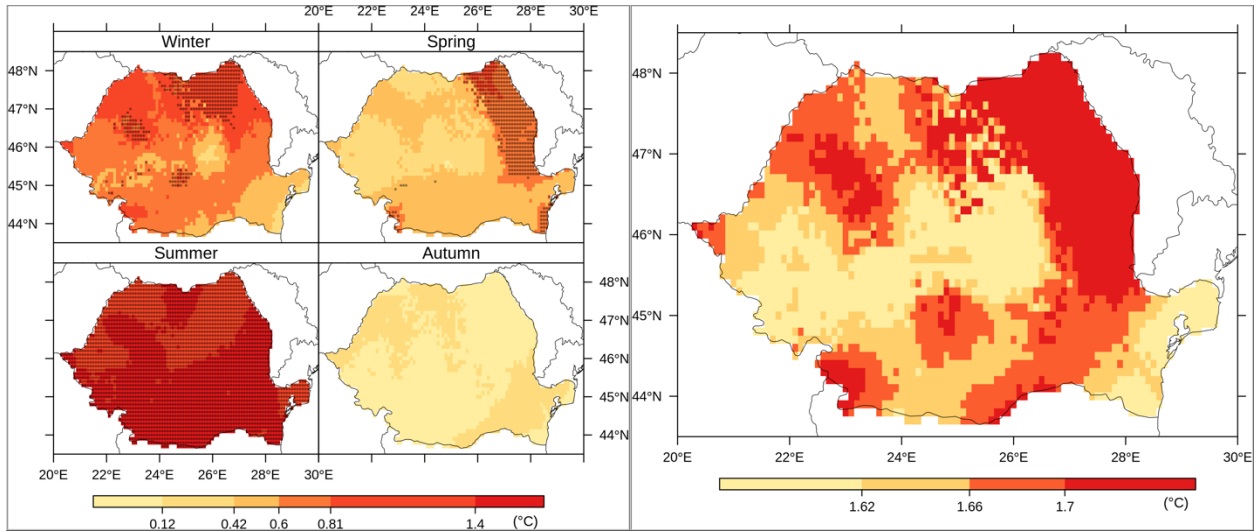


Figure S2. Intensity of hotspots determined by the absolute change in the mean temperature (ΔT) between the periods 1987-2013 (SP2) and 1961-1986 (SP1). Black circles indicate significant changes, at 95% level. The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6) for seasons, and quartile thresholds (Q1, Q2, Q3, Q4) for the cumulative indicator

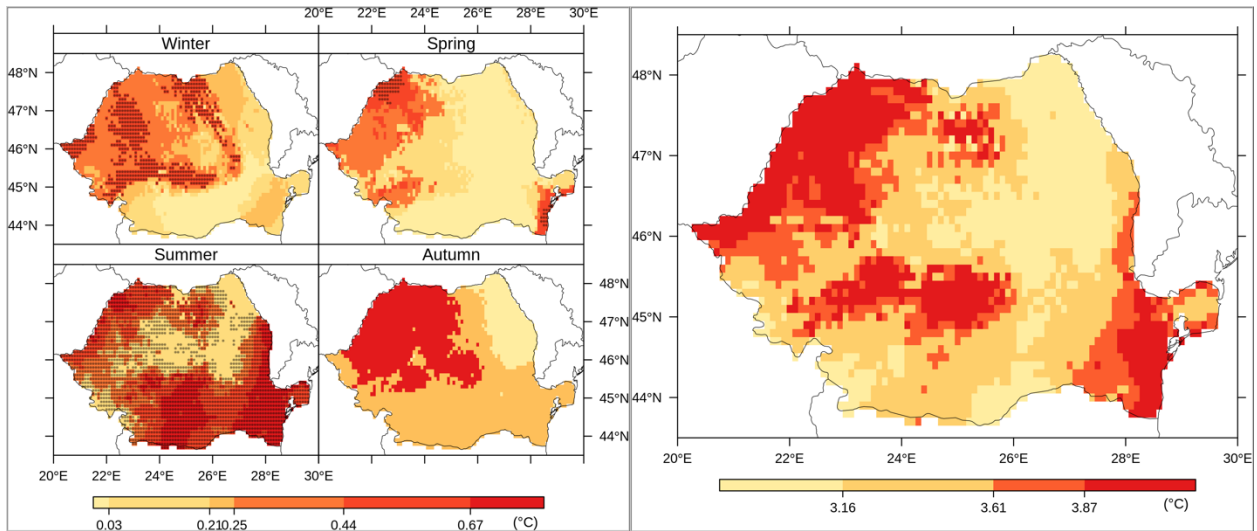


Figure S3. Intensity of hotspots determined by the frequency of seasons with temperatures of the period 1987-2013 exceeding the maximum temperature of the period 1961-1986 (f_{hot}). Black circles indicate significant changes, at 95% level. The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6), and quartile thresholds (Q1, Q2, Q3, Q4) for the cumulative indicator

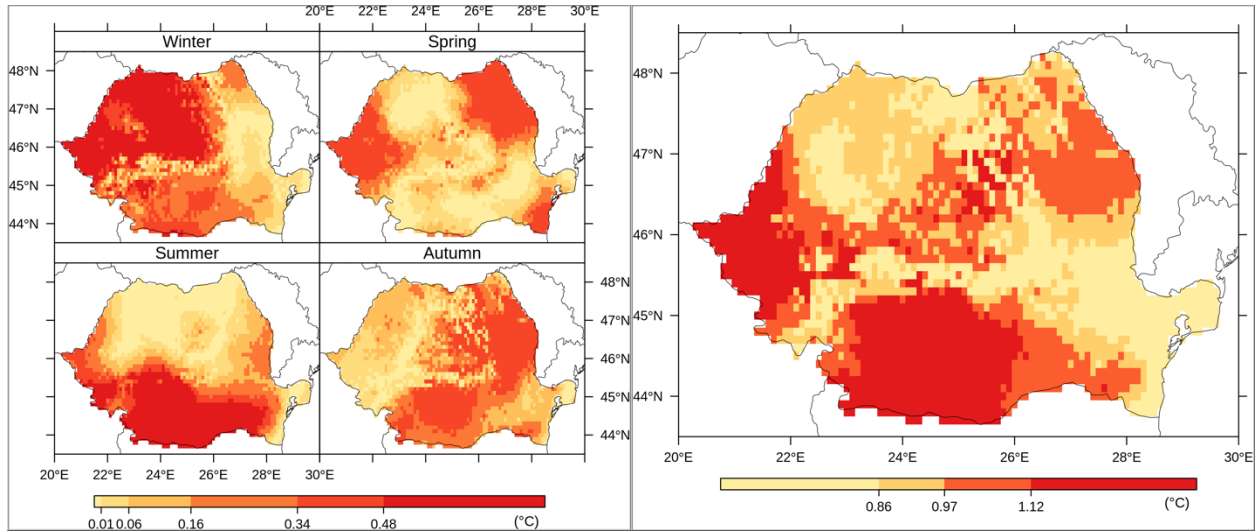


Figure S4. Intensity of hotspots determined by changes in the inter-annual standard deviation of the detrended temperature (ΔT_{var}). The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6) for seasons, and quartile thresholds for the combination (Q1, Q2, Q3, Q4)

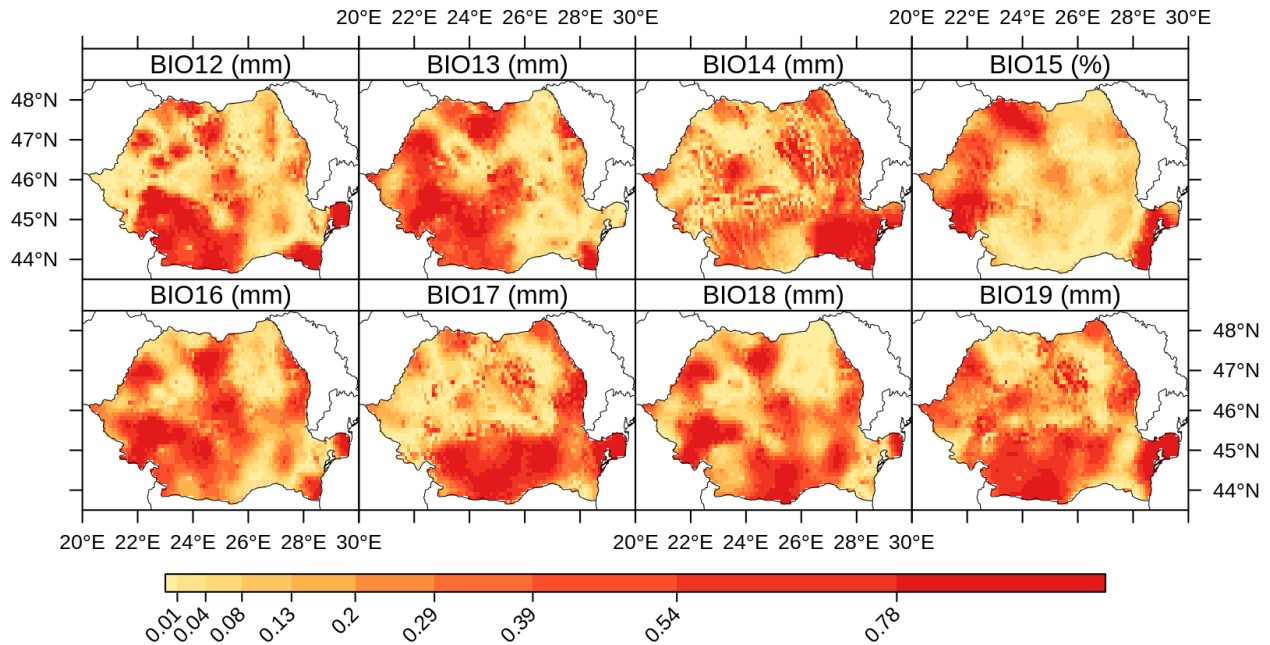


Figure S5. Intensity of hotspots related to changes in precipitation as derived by bioclimatic variables 12-19. The intensity of changes is represented by deciles and refers to the difference (%) between the period 1987-2013 (SP2) and 1961-1986 (SP1). The changes refer Annual Precipitation (BIO12), Precipitation of Wettest Month (BIO13), Precipitation of Driest Month (BIO14), Precipitation Seasonality (Coefficient of Variation) (BIO15), Precipitation of Wettest Quarter (BIO16), Precipitation of Driest Quarter (BIO17), Precipitation of Warmest Quarter (BIO18), Precipitation of Coldest Quarter (BIO19)

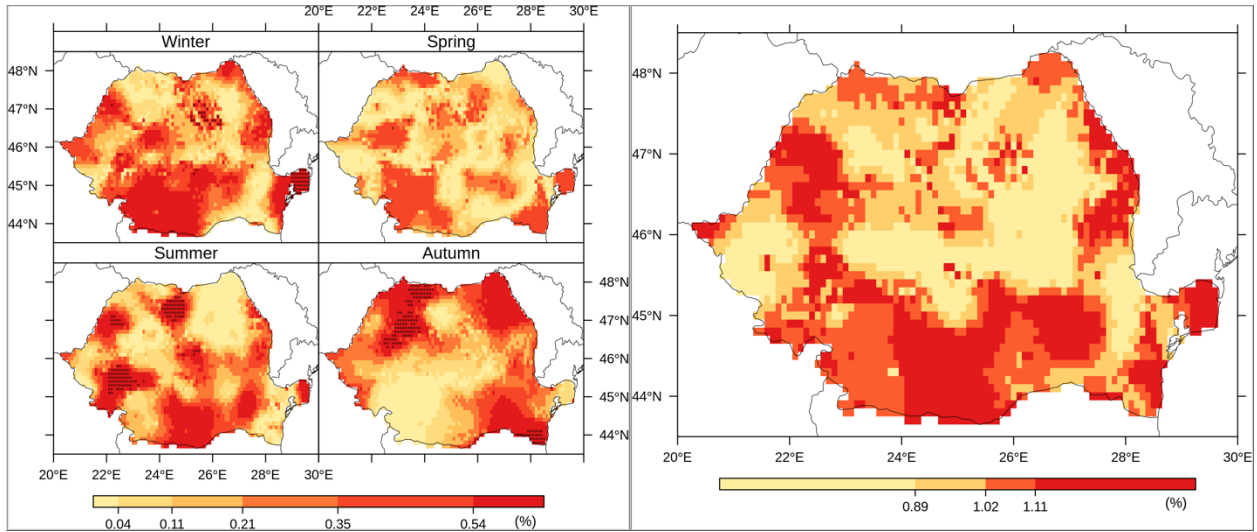


Figure S6. Intensity of hotspots determined by the changes (%) in the mean precipitation amounts between the periods 1987-2013 (SP2) and 1961-1986 (SP1) (ΔP). Black circles indicate significant changes, at 95% level. The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6) for seasons, and quartile thresholds (Q1, Q2, Q3, Q4) for the cumulated indicator

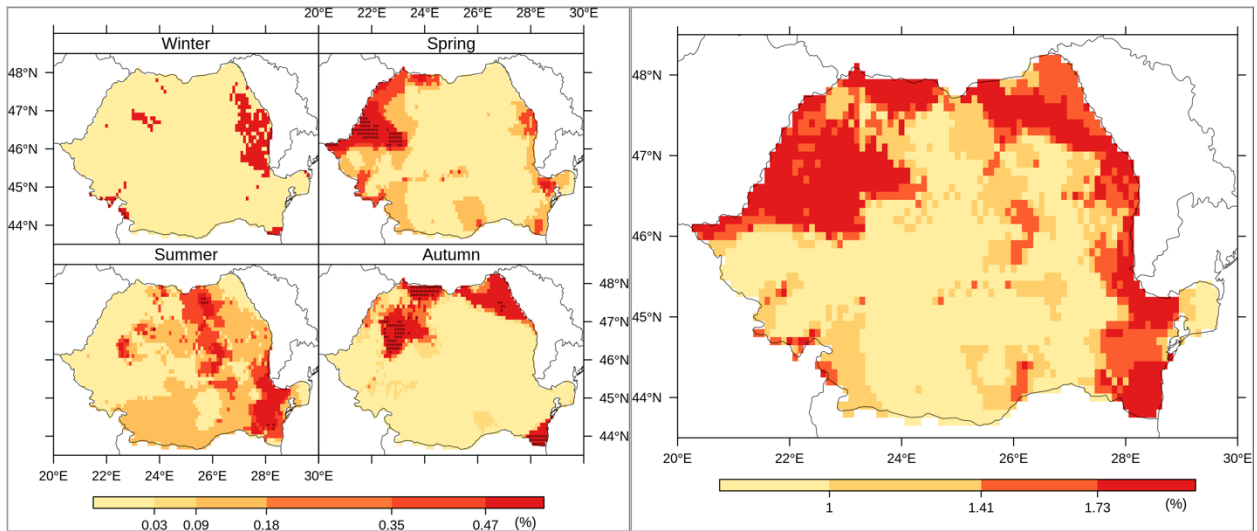


Figure S7. Intensity of hotspots determined by the frequency of seasons with precipitation exceeding the precipitation maximum of 1961–1986 (F_{wet}). Black circles indicate significant changes, at 95% level. The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6) for seasons, and quartile thresholds (Q1, Q2, Q3, Q4) for the cumulated indicator

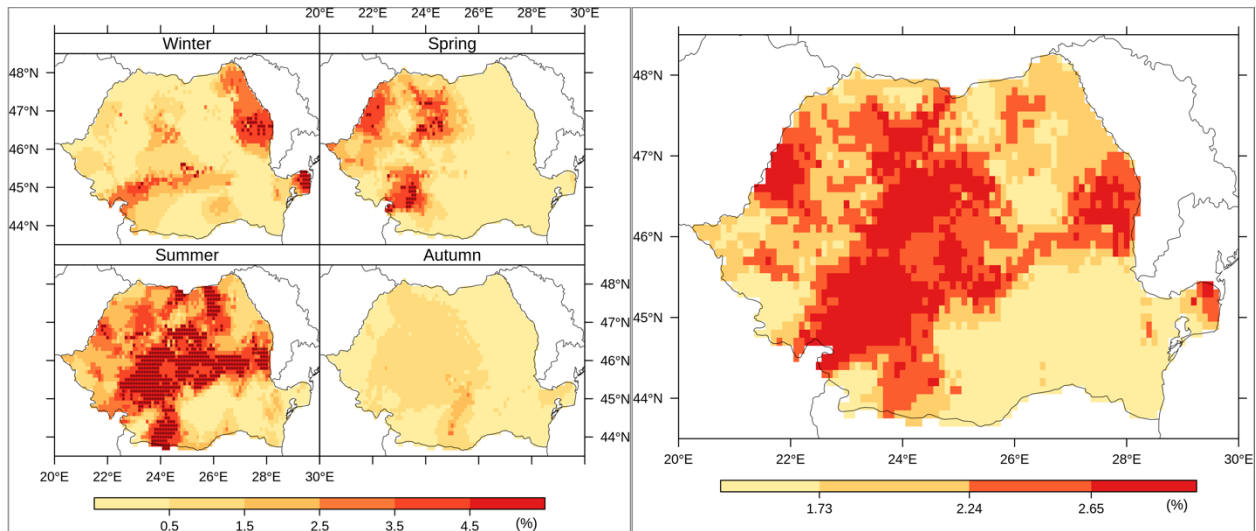


Figure S8. Intensity of hotspots determined by the frequency of seasons with precipitation below the minimum seasonal precipitation in 1961–1986 (F_{dry}). Black circles indicate significant changes, at 95% level. The values of the scale represent quartile thresholds (Q1, Q2, Q3, Q4)

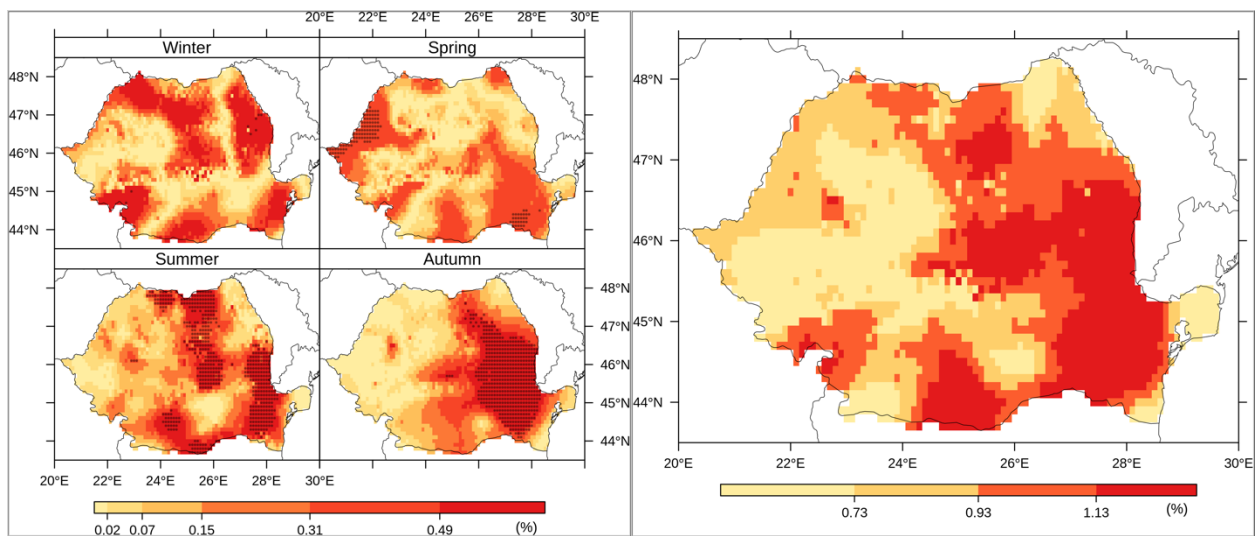


Figure S9. Intensity of hotspots determined by the changes in the inter-annual coefficient of variation of the detrended precipitation (ΔP_{var}). Black circles indicate significant changes, at 95% level. The values of the scale represent quantile thresholds (Q1, Q2, Q3, Q4, Q5, Q6) for seasons, and quartile thresholds (Q1, Q2, Q3, Q4) for the cumulative indicator