

Analysis of Precipitation and Drought in the Main Southeastern Iberian River Headwaters (1952–2021)

María José Estrela ¹, David Corell ^{1,*}, Juan Javier Miró ¹ and Raquel Niclós ²

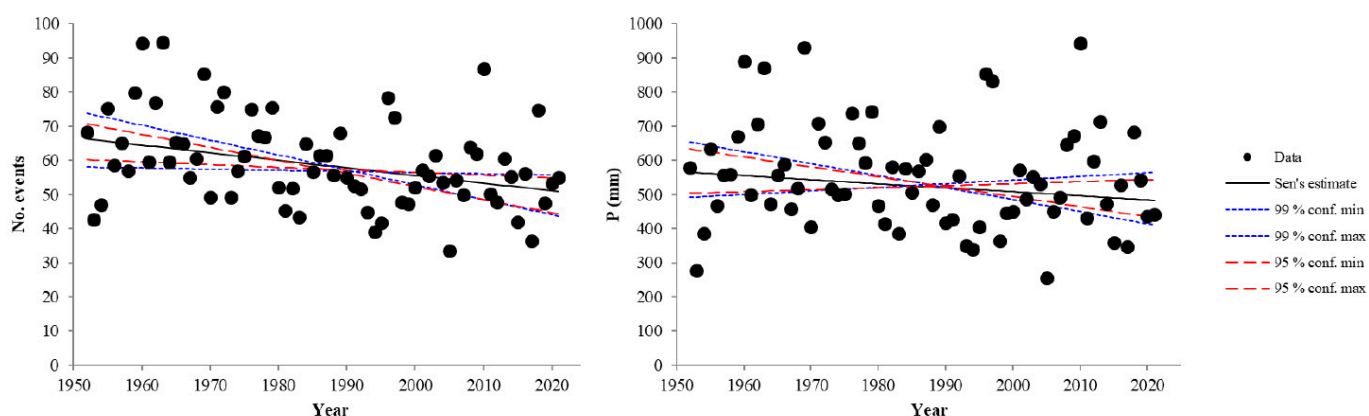
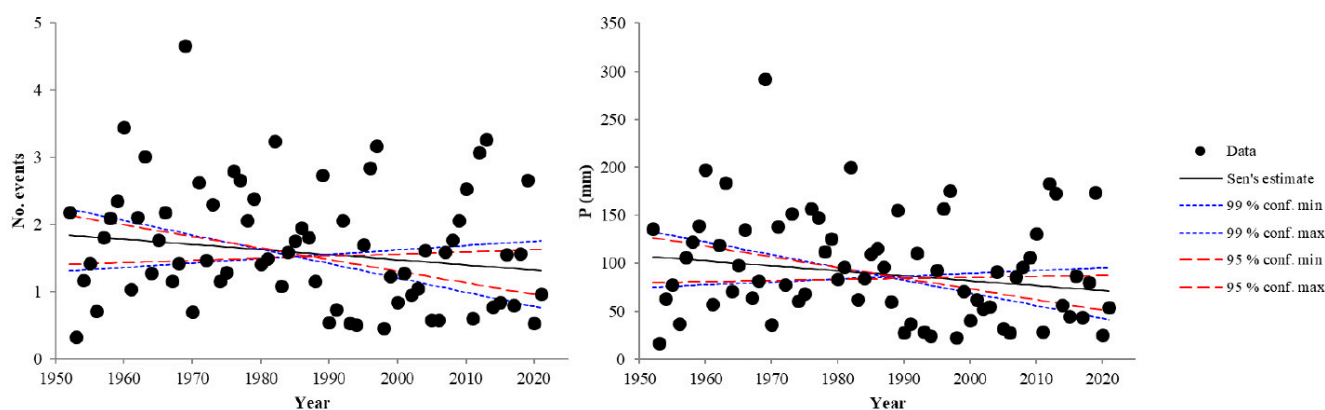


Figure. S1: Slopes (Sen) and confidence intervals (95–99%) for the average trend (1952–2021) in rainfall daily events of all the stations in the study area (on the left, the number of events; on the right, the average rainfall accumulated per station and year for these events).

Stations with a negative change in precipitation greater than 40 mm/d between 1952–1986 and 1987–2021



Stations with a positive change in precipitation greater than 40 mm/d between 1952-1986 and 1987-2021

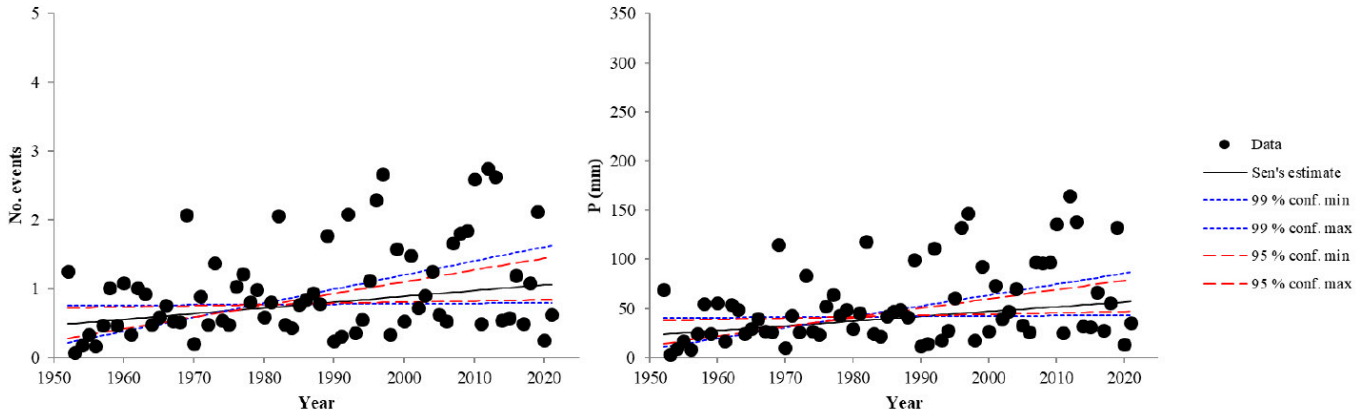
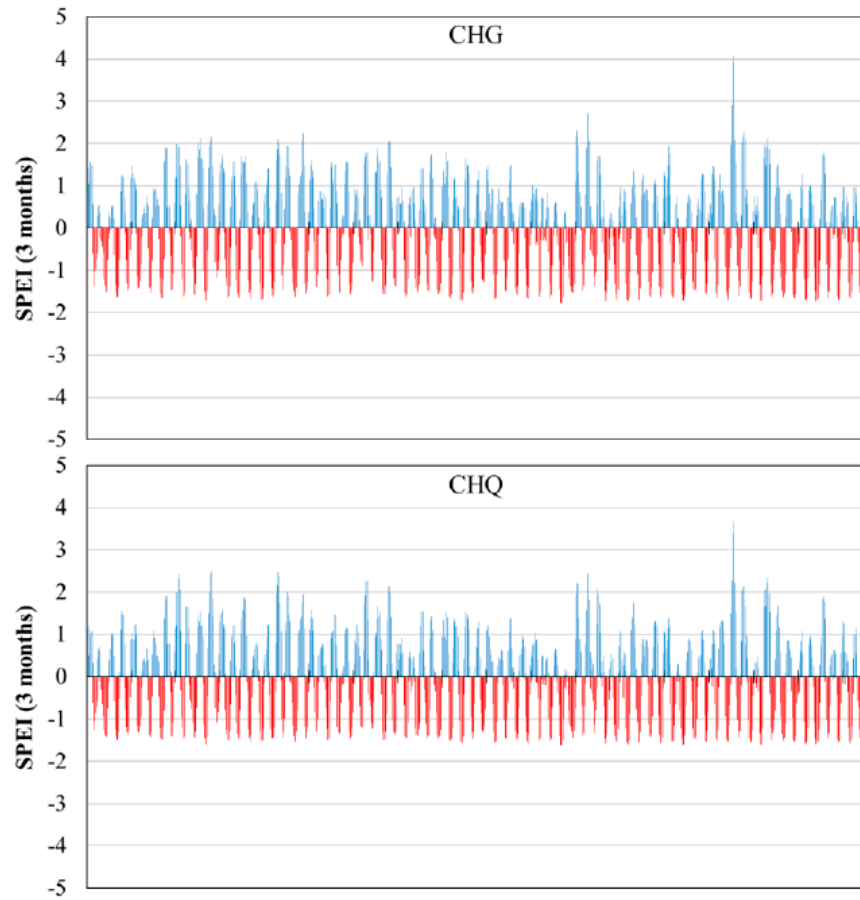


Figure S2. Top images: slopes (Sen) and confidence intervals (95–99%) for the average trend (1952–2021) in heavy (≥ 40 mm/d) rainfall daily events of all the stations that according to Figure 9, showed a negative change between 1952–1986 and 1987–2021 (on the left, the number of events; on the right, the average rainfall accumulated per station and year for these events). Bottom images: same analysis using all the stations that according to Figure 9, showed a positive change between 1952–1986 and 1987–2021.



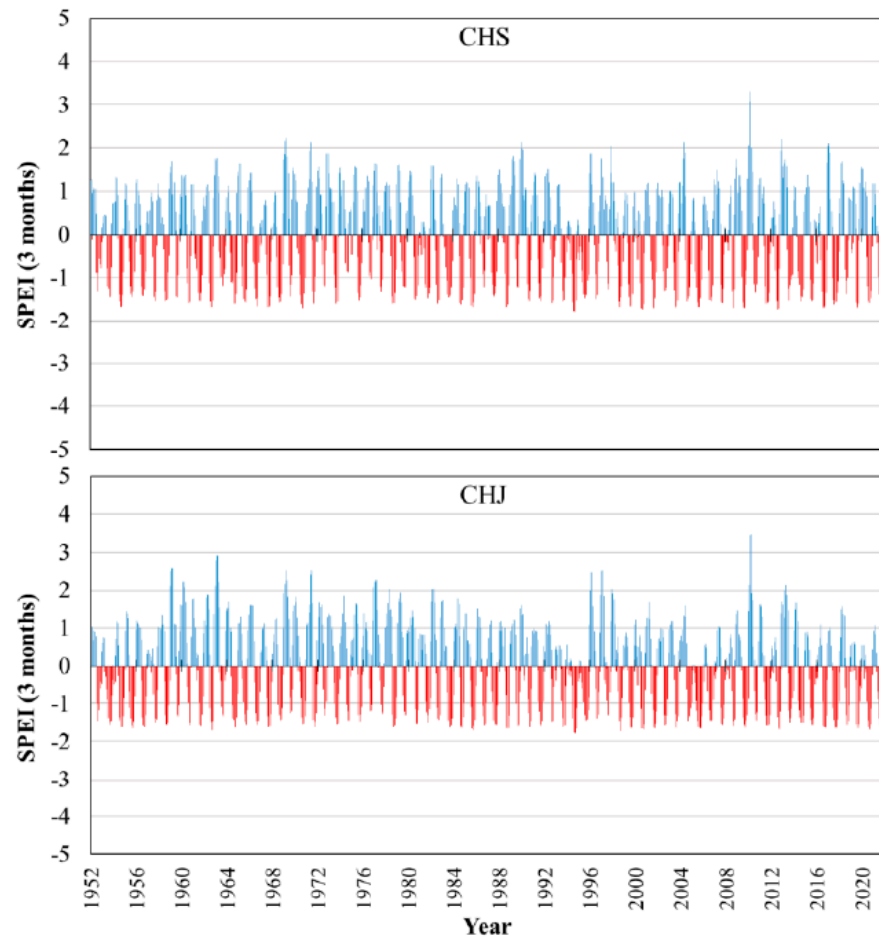


Figure S3. Time series of the average daily SPEI values over the 3-month time scale for 1952–2021 and the CHG, CHQ, CHS, and CHJ weather stations.