

Supplementary Material 3. Running averages and sums for air temperature, relative air humidity, and precipitation, wetness index in the set of 38 selected meteorological stations

Matějka K., Modlinger R.: Climate, *Picea abies* stand state, and *Ips typographus* in the Czech Republic from a viewpoint of long-term dynamics

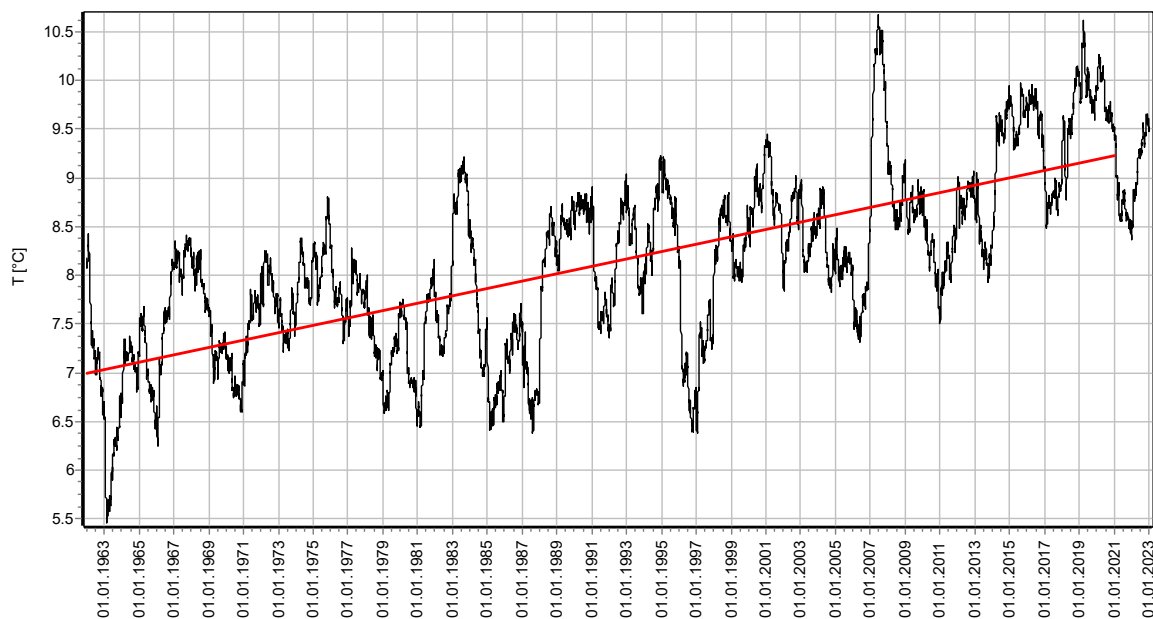


Figure S3-1. 365-day running average of air temperature for the 38 selected meteorological stations. Mean increase in period 1962–2020 was 0.377 °C per 10 years ($r = 0.7028$). Long-time (1962–1990) average for air temperature was 7.57 °C.

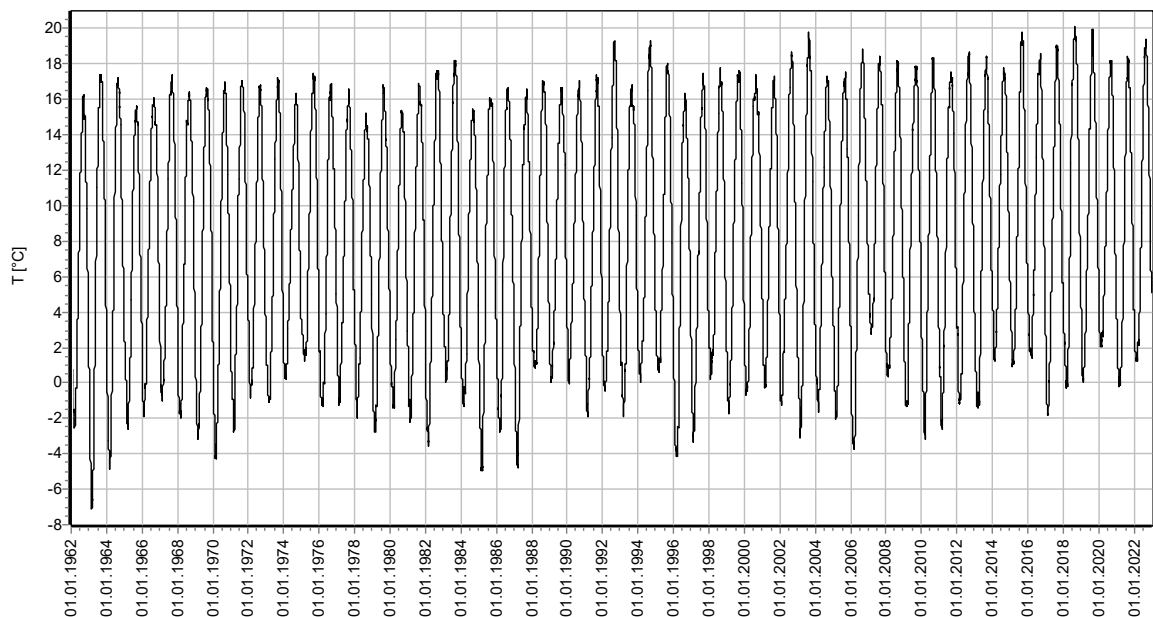


Figure S3-2. 90-day running average of air temperature for the 38 selected meteorological stations.

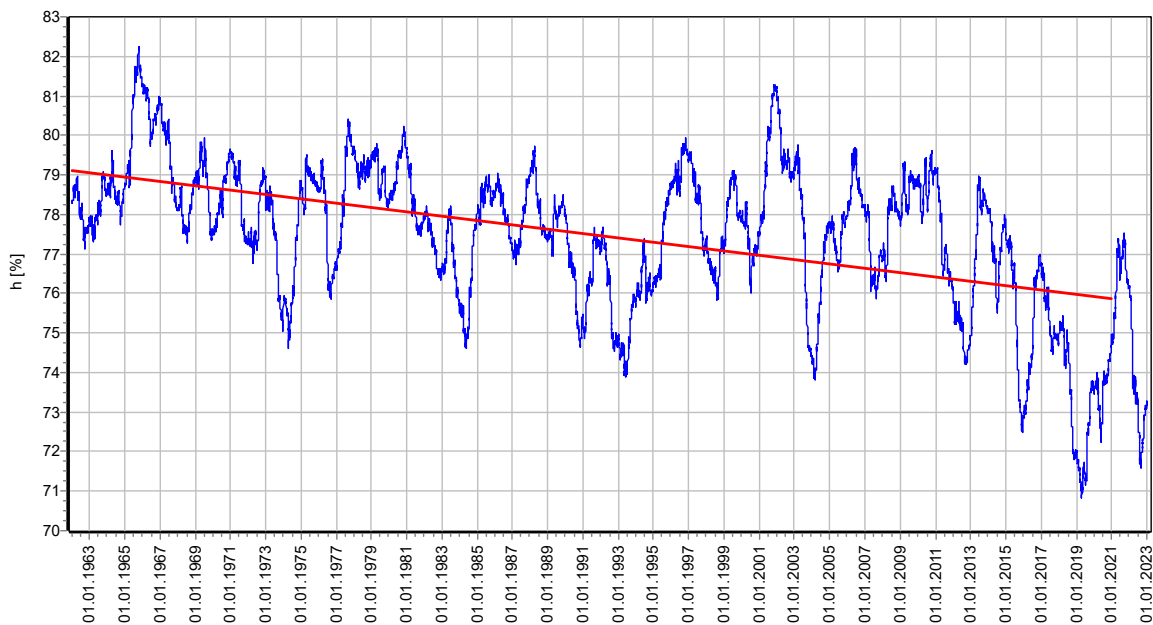


Figure S3-3. 365-day running average of relative air humidity for the 38 selected meteorological stations. Mean decrease in period 1962–2020 was -0.549% per 10 years ($r = -0.5072$). Long-time (1962–1990) average for relative air humidity was 78.2% .

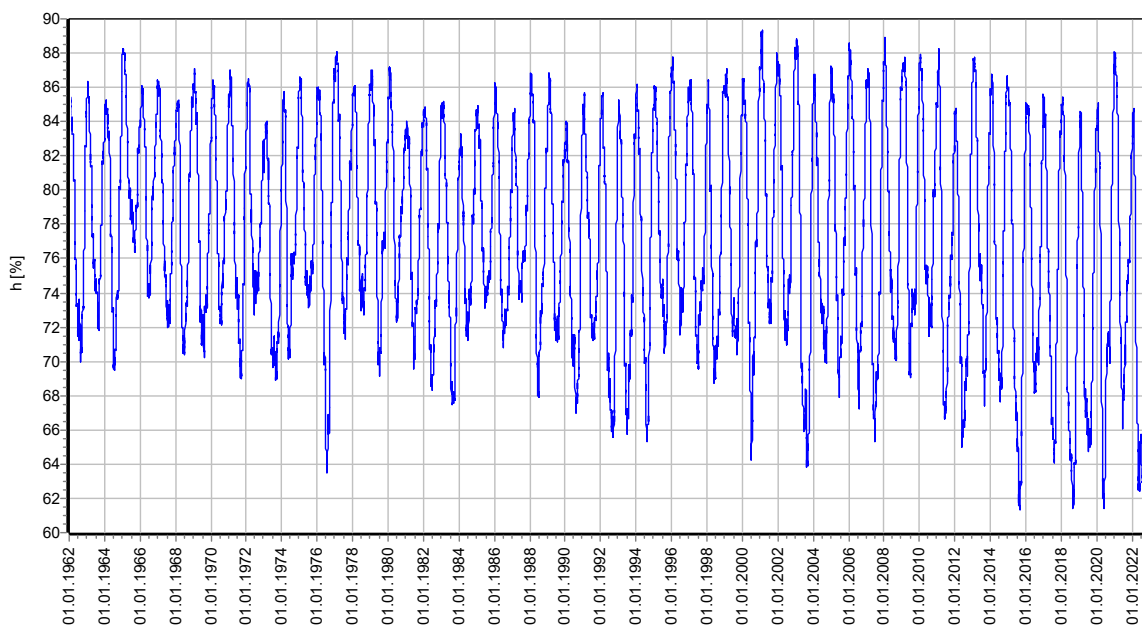


Figure S3-4. 90-day running average of relative air humidity for the 38 selected meteorological stations.

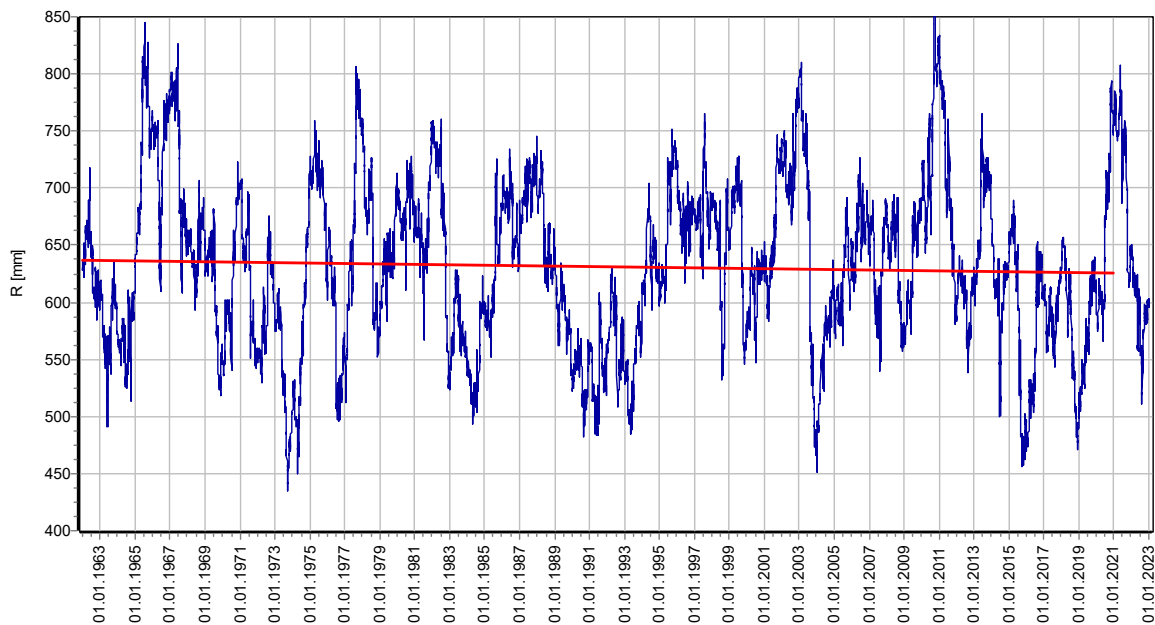


Figure S3-5. 365-day running sum of precipitation for the 38 selected meteorological stations. Mean change in period 1962–2020 was -1.86 mm per 10 years ($r = -0.0433$). Long-time (1962–1990) mean for yearly precipitation sum was 632.4 mm.

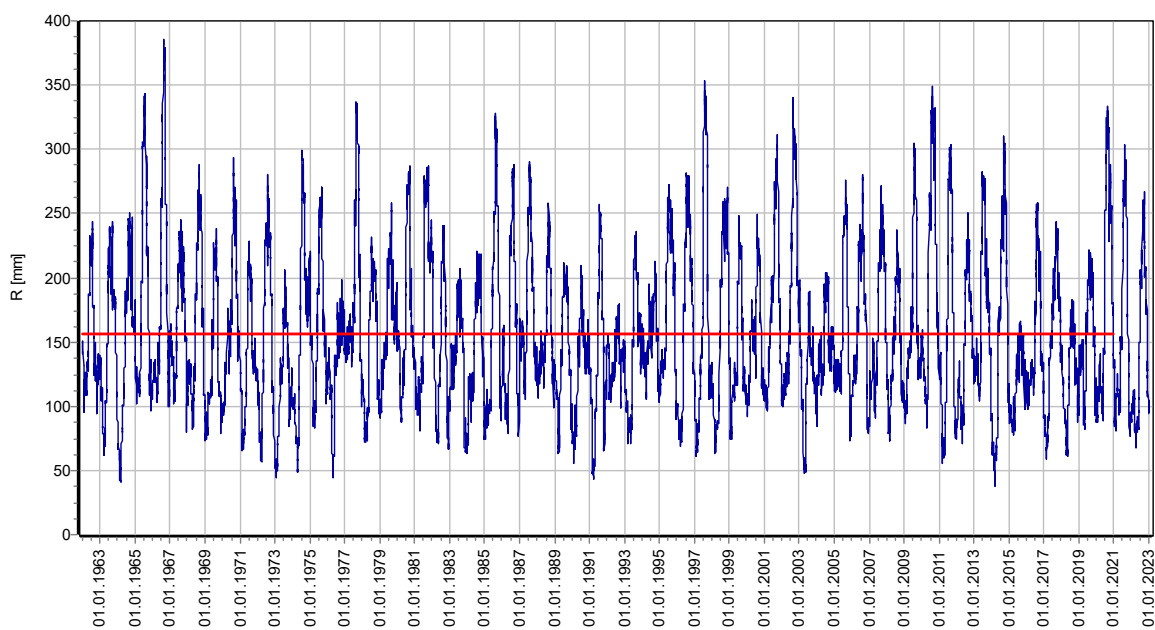


Figure S3-6. 90-day running sum of precipitation for the 38 selected meteorological stations. Mean change in period 1962–2020 was negligible ($r = 0.0027$).

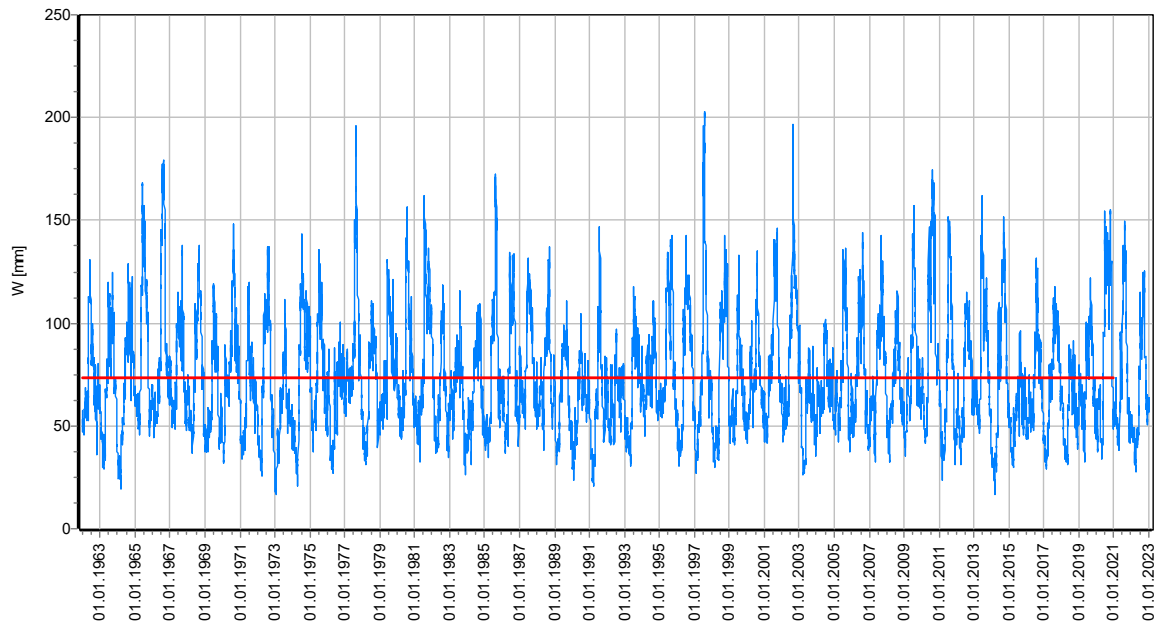


Figure S3-7. Wetness index W as mean from 38 selected meteorological stations. Mean change in period 1962–2020 was negligible ($r = 0.0012$).

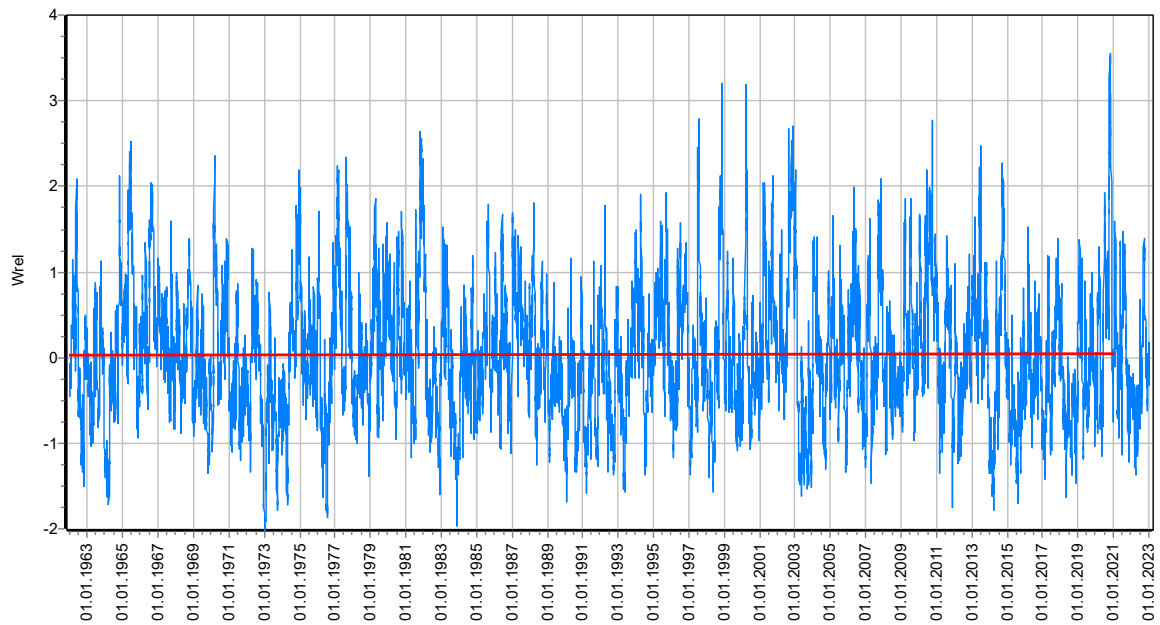


Figure S3-8. Relative wetness index W_{rel} as mean from 38 selected meteorological stations. Mean change in period 1962–2020 was negligible ($r = 0.0012$).