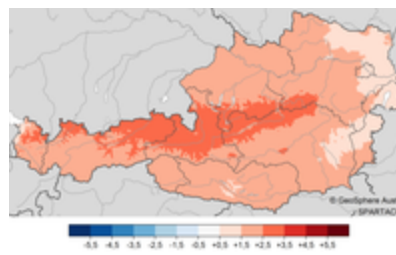




October 31, 2024

Very mild October 2024

Preliminary climate balance for October 2024 by GeoSphere Austria: In the lowlands of Austria, the eleventh warmest October in measurement history, in the mountains it was eighth. Precipitation in the Austria-wide evaluation was slightly above average (+10 percent) and sunshine duration was slightly below average (-14 percent).



October 2024 started with a few cool days, but the rest of the month was warmer than an average October throughout Austria.

©GeoSphere Austria

"October 2024 was 2.0 degrees above the average for the 1991-2020 climate period in the lowlands of Austria and 2.2 degrees above the average for the 1991-2020 climate period in the summit regions," says climatologist Alexander Orlik of GeoSphere Austria, "which puts Austria's lowlands in 11th place in the series of the warmest Octobers in the 258-year history of measurements and in the mountains in 8th place in the 174-year mountain measurement series."

Compared to the climate period 1961-1990, October 2024 was 2.7 degrees above average in the lowlands and 2.3 degrees in the mountains.

Seventeenth consecutive month of excessive temperatures in the lowlands

October 2024 will thus be the seventeenth month in a row in the lowlands of Austria that is above the already very warm climate average for the period 1991 to 2020. The last relatively cool month was May 2023. Even in the mountains it has been too warm almost throughout the last seventeen months, with only September and November 2023 being relatively cool here.

Even at higher altitudes hardly any frost

Due to the mild weather, frost (lowest temperature below 0 degrees) was comparatively rare. "In an average October in Austria, two days of frost can be expected below 500 meters above sea level," says climatologist Alexander Orlik from GeoSphere Austria, "October 2024 did not bring a single day of frost below 500 meters. The last time that happened in an October was 23 years ago, in 2001."

Between 500 and 1000 meters above sea level, there were only very few frosty days in October 2024. The long-term average is four frost days. At altitudes of 1000 to 1500 meters, there was only one frost day this October instead of an average of eight frost days, and at altitudes of 1500

to 2000 meters, there were three frost days instead of 11. Even above 2000 meters above sea level, there were around 40 percent fewer frost days than the average.

Humid South, Dry North

In the Austria-wide evaluation, the amount of precipitation in October 2024 was 10 percent above the long-term average and thus within the range of statistical fluctuation.

The regional analysis shows clear differences, as a Mediterranean low brought a lot of precipitation in the south of Austria in the first half of October. In East Tyrol, Carinthia and western Styria there was around 25 to 85 percent more precipitation in October 2024 than the average. In the north of Austria, however, it was much too dry. Here, especially in most of the Innviertel, Mühlviertel and Waldviertel, there was around 25 to 50 percent less precipitation than in an average October.

-> PDF download of the entire climate balance including graphics and state analysis