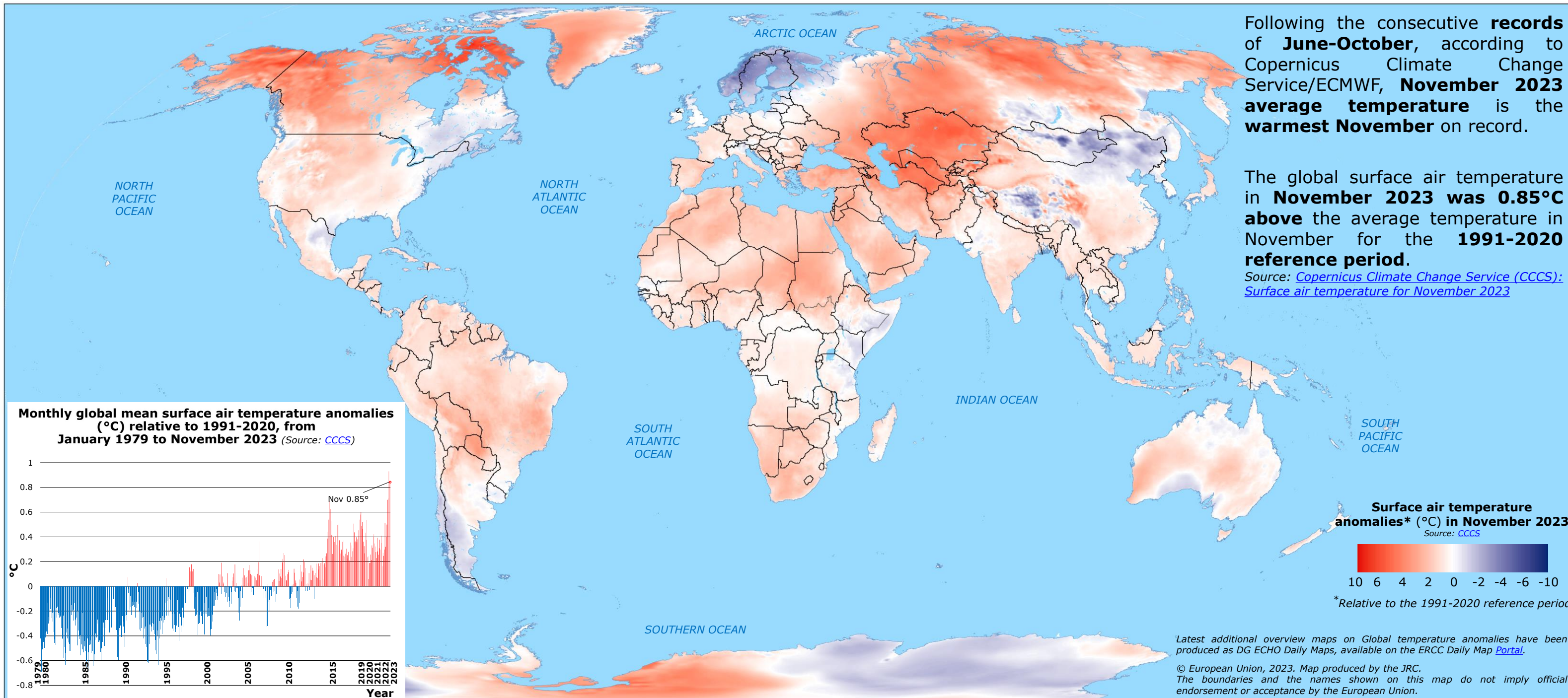


World | Temperature anomalies in November 2023

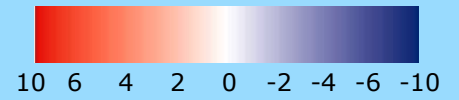
Following the consecutive **records** of **June-October**, according to Copernicus Climate Change Service/ECMWF, **November 2023 average temperature** is the **warmest November** on record.

The global surface air temperature in **November 2023 was 0.85°C above** the average temperature in November for the **1991-2020 reference period**.

Source: [Copernicus Climate Change Service \(CCCS\): Surface air temperature for November 2023](#)



Surface air temperature anomalies* (°C) in November 2023
Source: CCCS

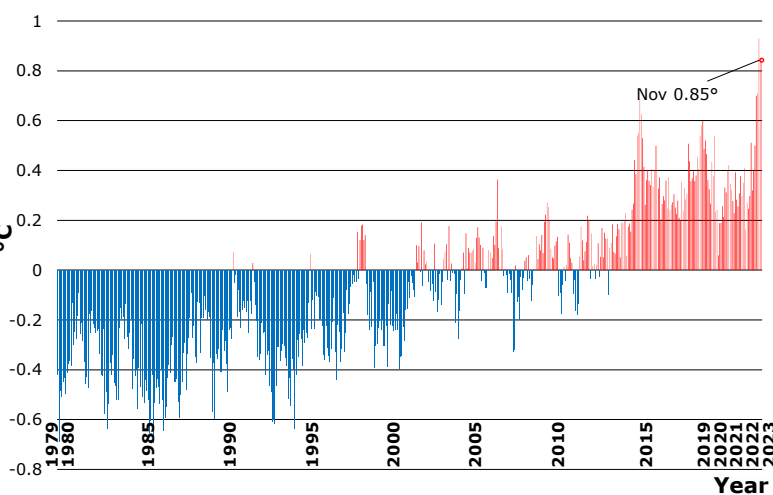


*Relative to the 1991-2020 reference period

Latest additional overview maps on Global temperature anomalies have been produced as DG ECHO Daily Maps, available on the ERCC Daily Map [Portal](#).

© European Union, 2023. Map produced by the JRC. The boundaries and the names shown on this map do not imply official endorsement or acceptance by the European Union.

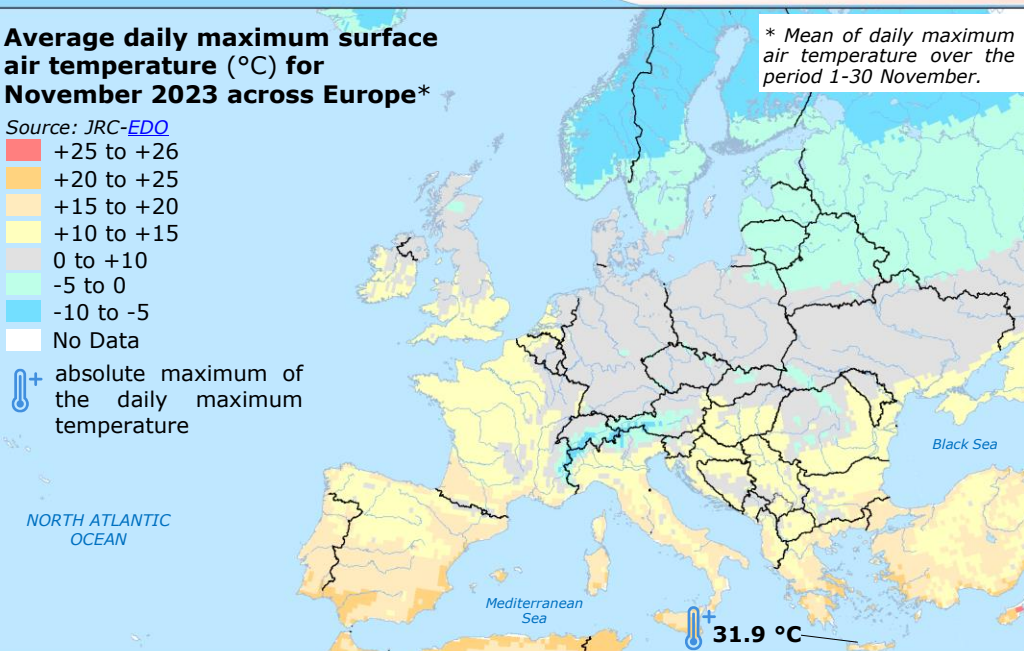
Monthly global mean surface air temperature anomalies (°C) relative to 1991-2020, from January 1979 to November 2023 (Source: CCCS)



Average daily maximum surface air temperature (°C) for November 2023 across Europe*

- Source: JRC-EDO
- +25 to +26
 - +20 to +25
 - +15 to +20
 - +10 to +15
 - 0 to +10
 - 5 to 0
 - 10 to -5
 - No Data

+ absolute maximum of the daily maximum temperature



* Mean of daily maximum air temperature over the period 1-30 November.

Arctic ice coverage in November 2023

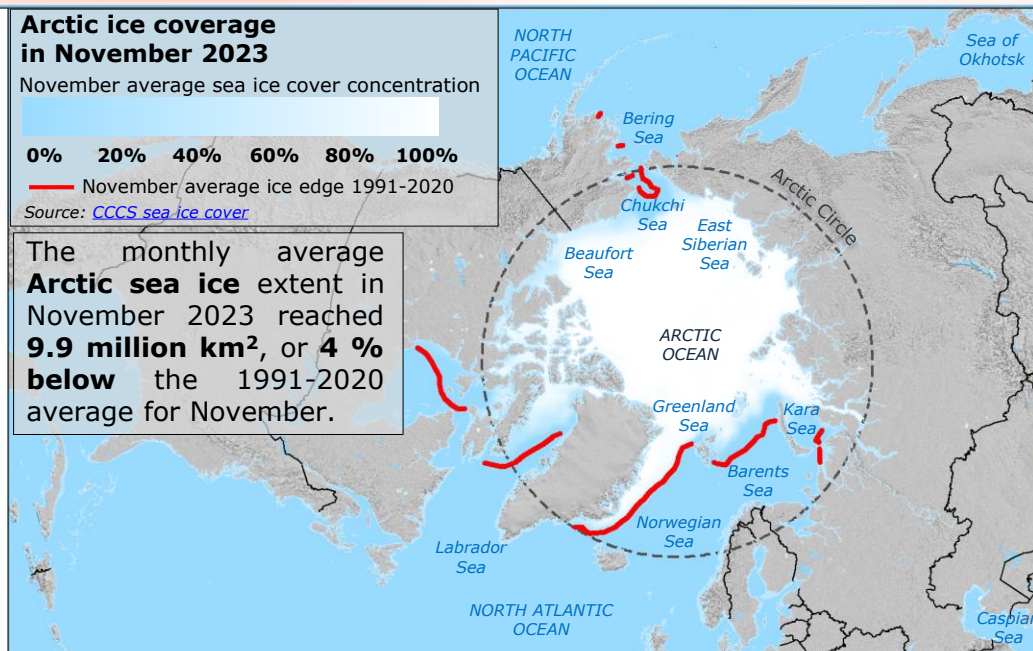
November average sea ice cover concentration

0% 20% 40% 60% 80% 100%

— November average ice edge 1991-2020

Source: CCCS sea ice cover

The monthly average **Arctic sea ice** extent in November 2023 reached **9.9 million km²**, or **4 % below** the 1991-2020 average for November.



Antarctic ice coverage in November 2023

November average sea ice cover concentration

0% 20% 40% 60% 80% 100%

— November average ice edge 1991-2020

Source: CCCS sea ice cover

■ Ice shelf in Antarctica

In November 2023, the **Antarctic sea ice** extent reached **1.5 million km²**, or **9% below** the 1991-2020 average for November.

