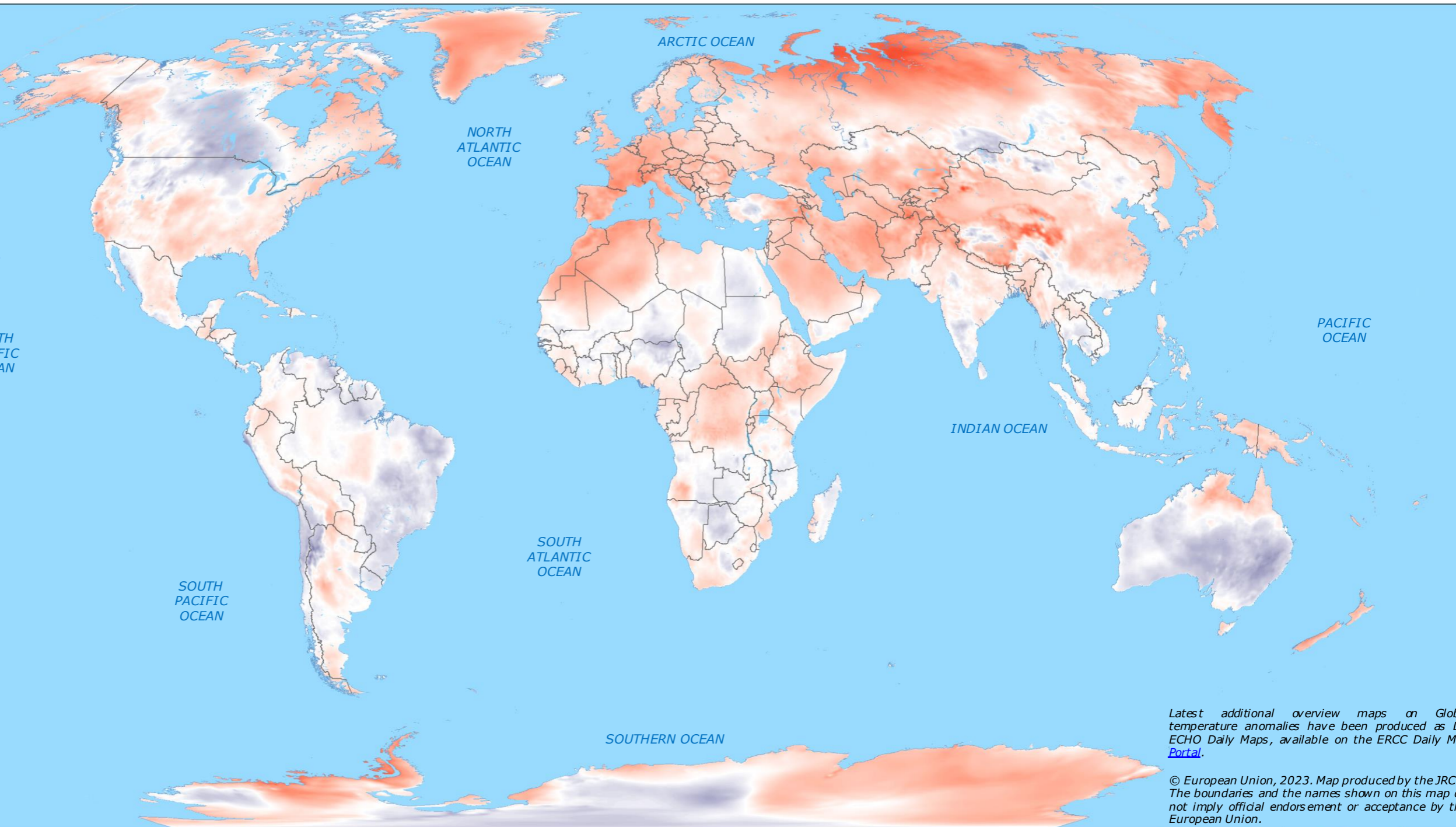


# World | Temperature Anomalies in 2022

Globally, the **2022** calendar year was **0.30°C warmer** than the 1991-2020 average reference period.

According to Copernicus Climate Change Service/ECMWF, **2022** ranks the **5<sup>th</sup> warmest** calendar year in this data record.

Source: [Copernicus Climate Change Service/ECMWF: Surface air temperature for 2022](#)



**Surface temperature anomalies\* (°C) in 2022**  
Source: [Copernicus Climate Change Service \(CCCS\)](#)



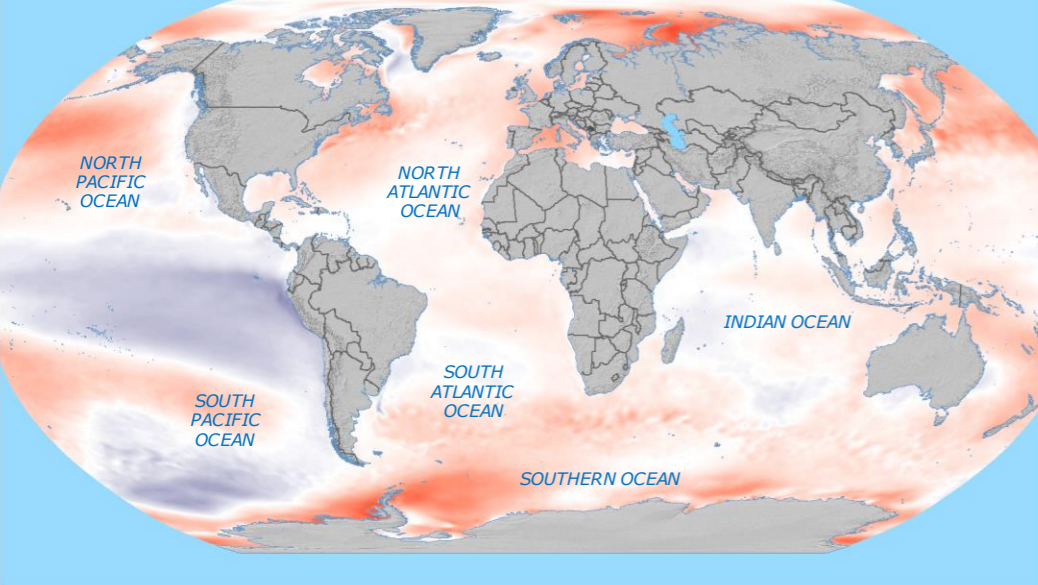
\*Relative to the 1991-2020 reference period

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.

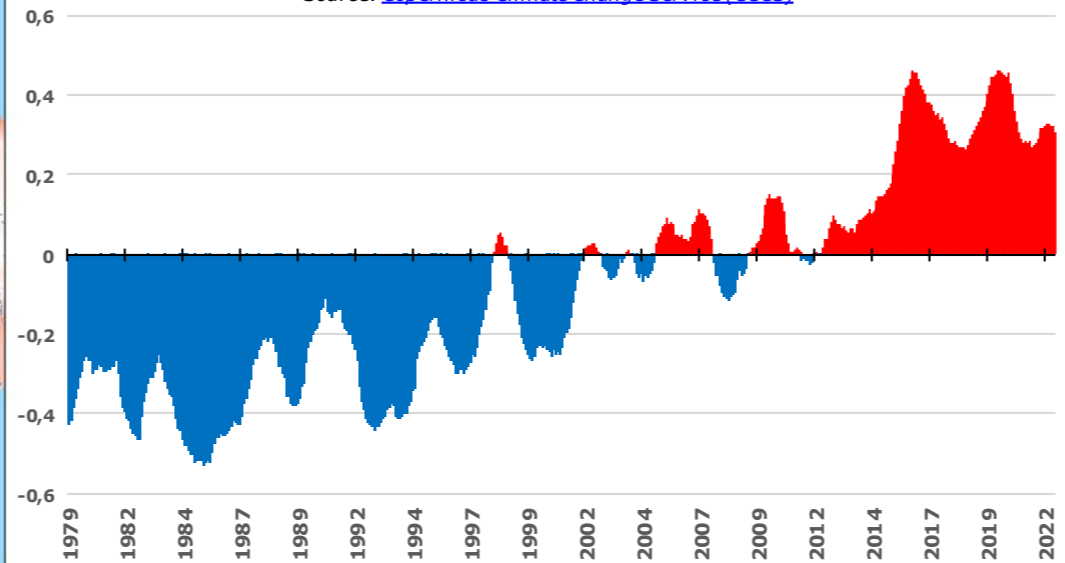
## Sea surface temperature anomalies\* (°C) in 2022

Source: [Copernicus Climate Change Service \(CCCS\)](#)



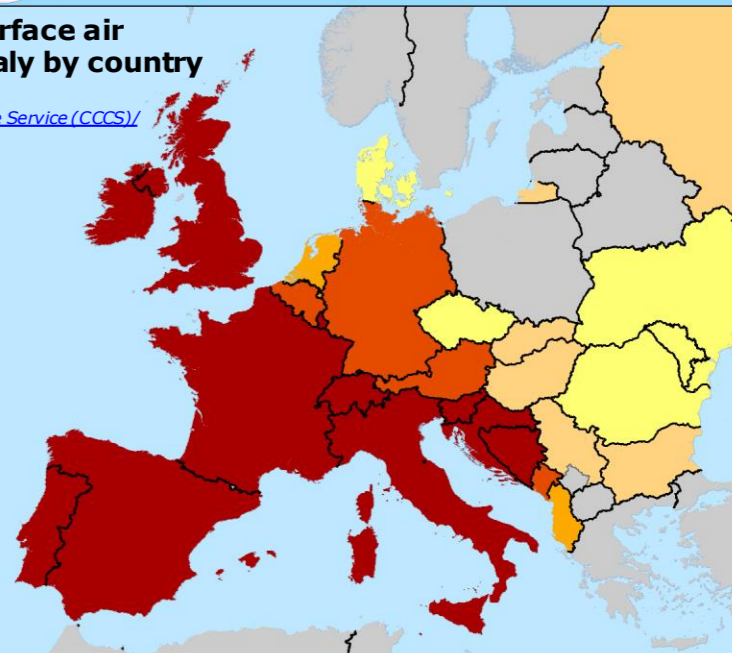
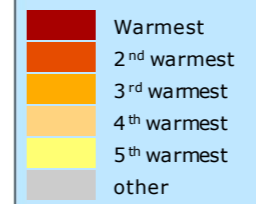
## Twelve-month global-mean surface air temperature anomalies

relative to 1991-2020, based on monthly values from January 1979 to December 2022.  
Source: [Copernicus Climate Change Service \(CCCS\)](#)



## Ranking of 2022 surface air temperature anomaly by country since 1950

Source: [Copernicus Climate Change Service \(CCCS\)/ECMWF](#)



This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo Declaration of Independence.