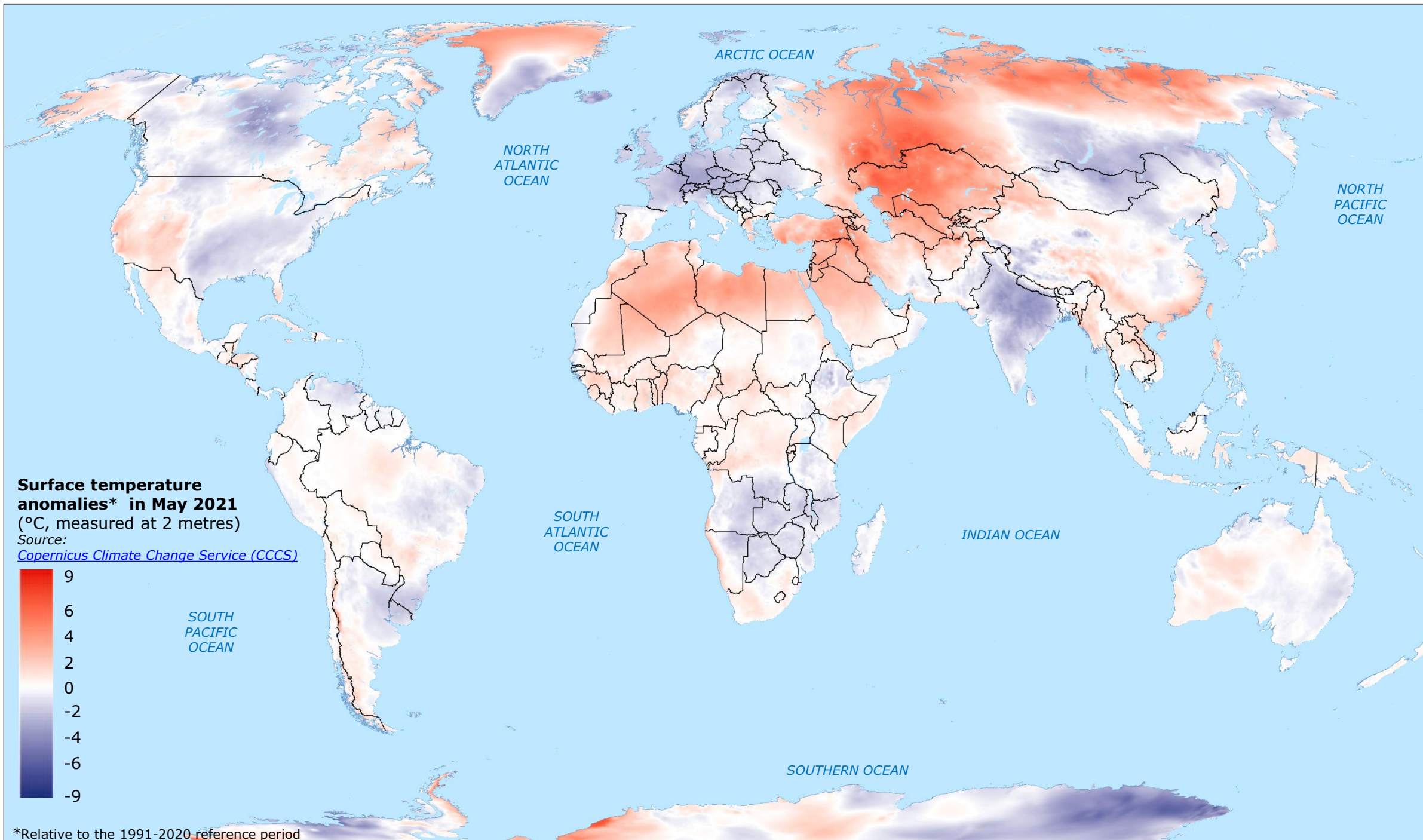


World | Temperature Anomalies in May 2021

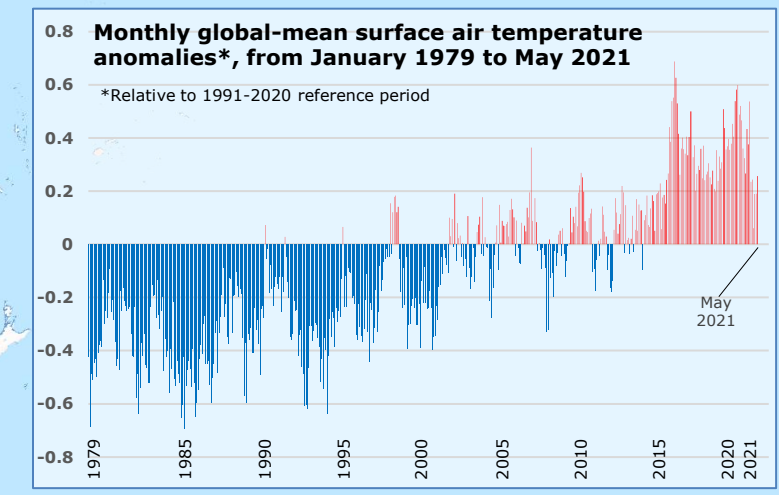


The global average temperature for May 2021 was about 0.26°C higher than the 1991-2020 average for the same month. Globally, and despite lower regional temperatures e.g., across parts of Europe, May 2021 was warmer than any other May in the 1979-2015 period.

Temperatures were above average over northern Africa, the Middle East, The Caucasus, Central Asia and most of Siberia. Other regions of the world with above-average temperatures include northern Greenland, western Alaska and western USA, south-east Asia, and western Australia. Antarctica, in the vicinity of the Weddell Sea, also experienced above-average temperatures.

During May 2021, below-average temperatures occurred across most of Europe (except for southern Europe), most Canada, India, north-eastern Asia, southern Africa, over most East and parts of West Antarctica.

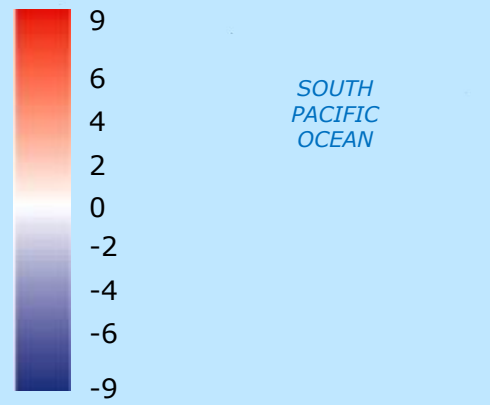
Source: [Copernicus Climate Change Service \(CCCS\): Surface air temperature for May 2021](#)



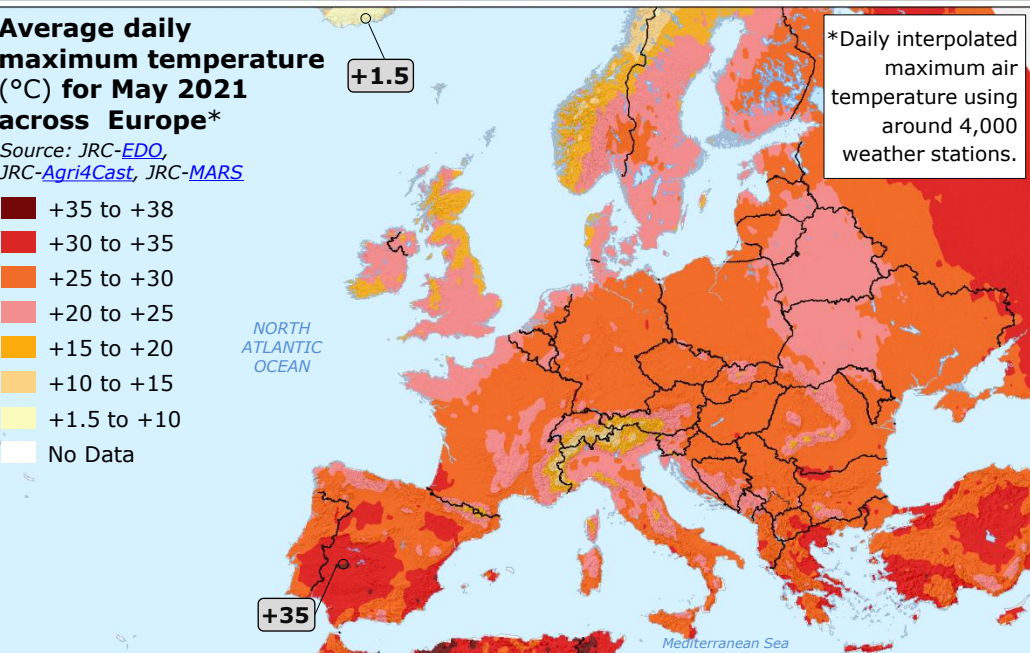
Latest additional overview maps on global temperature anomalies have been produced as DG ECHO Daily Maps, available on the [ERCC Daily Map Portal](#).

© European Union, 2021. 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.

Surface temperature anomalies* in May 2021
(°C, measured at 2 metres)
Source: [Copernicus Climate Change Service \(CCCS\)](#)



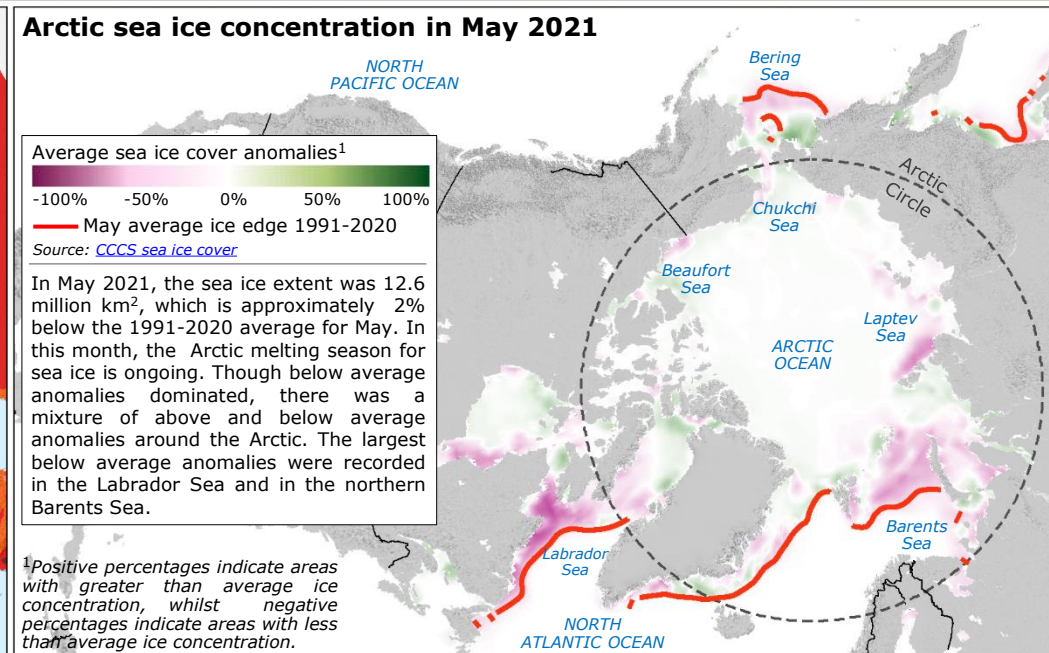
*Relative to the 1991-2020 reference period



Average daily maximum temperature (°C) for May 2021 across Europe*
Source: [JRC-EDO](#), [JRC-Agri4Cast](#), [JRC-MARS](#)

- +35 to +38
- +30 to +35
- +25 to +30
- +20 to +25
- +15 to +20
- +10 to +15
- +1.5 to +10
- No Data

*Daily interpolated maximum air temperature using around 4,000 weather stations.



Arctic sea ice concentration in May 2021

Average sea ice cover anomalies¹

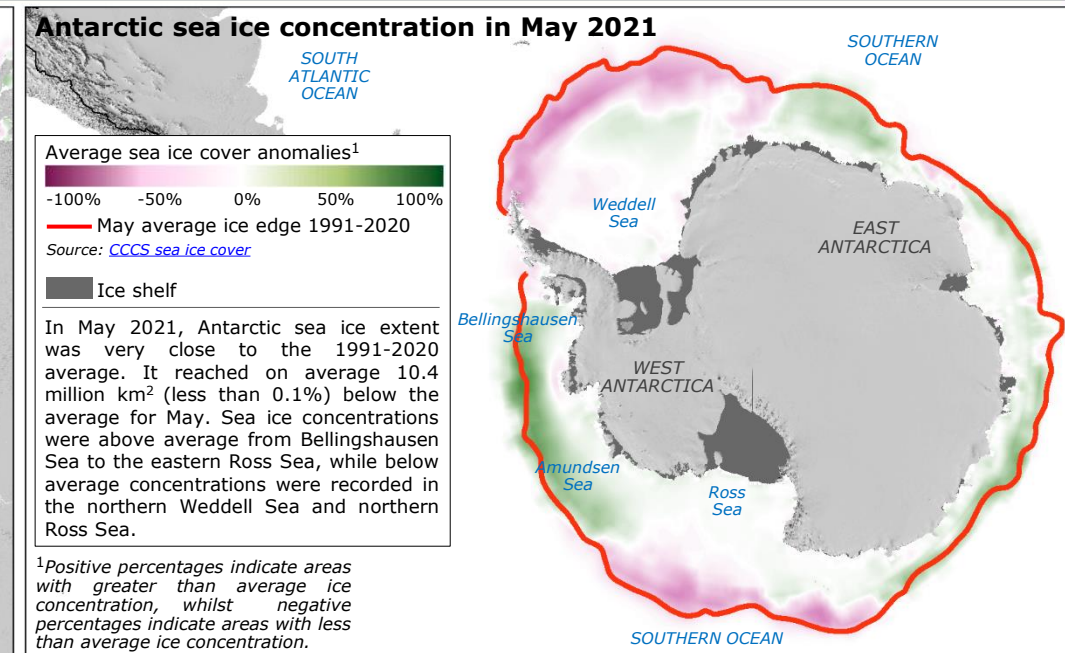
-100% -50% 0% 50% 100%

— May average ice edge 1991-2020

Source: [CCCS sea ice cover](#)

In May 2021, the sea ice extent was 12.6 million km², which is approximately 2% below the 1991-2020 average for May. In this month, the Arctic melting season for sea ice is ongoing. Though below average anomalies dominated, there was a mixture of above and below average anomalies around the Arctic. The largest below average anomalies were recorded in the Labrador Sea and in the northern Barents Sea.

¹Positive percentages indicate areas with greater than average ice concentration, whilst negative percentages indicate areas with less than average ice concentration.



Antarctic sea ice concentration in May 2021

Average sea ice cover anomalies¹

-100% -50% 0% 50% 100%

— May average ice edge 1991-2020

Source: [CCCS sea ice cover](#)

■ Ice shelf

In May 2021, Antarctic sea ice extent was very close to the 1991-2020 average. It reached on average 10.4 million km² (less than 0.1%) below the average for May. Sea ice concentrations were above average from Bellingshausen Sea to the eastern Ross Sea, while below average concentrations were recorded in the northern Weddell Sea and northern Ross Sea.

¹Positive percentages indicate areas with greater than average ice concentration, whilst negative percentages indicate areas with less than average ice concentration.