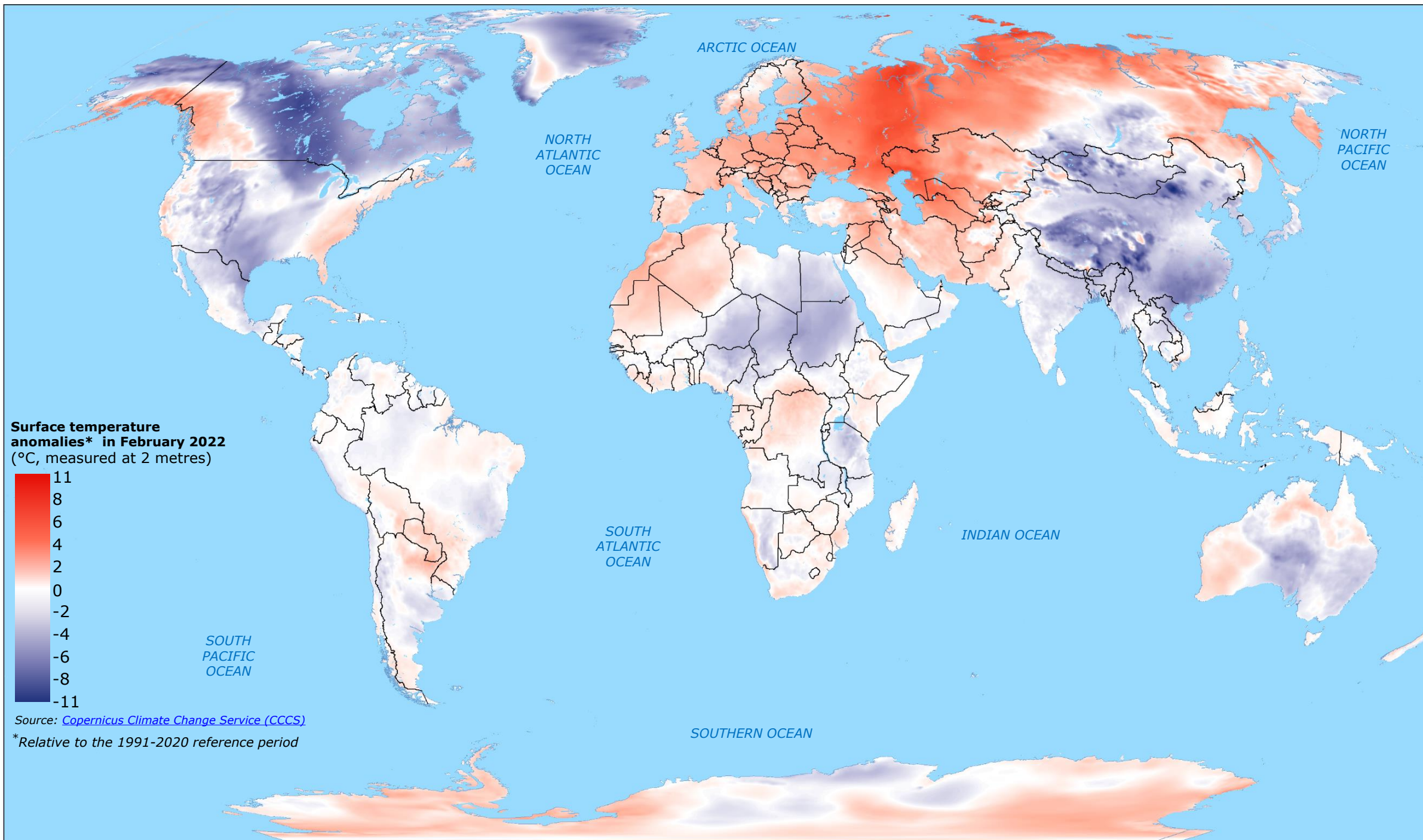


# World | Temperature Anomalies in February 2022



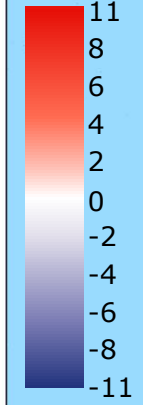
The **global average temperature for February 2022 was about 0.2°C higher** than the 1991-2020 average for February, ranking it the sixth warmest February on the Copernicus Climate Change Service/ECMWF data record.

Temperatures were generally above-average for a band ranging from north-western Africa, across Europe, much of the Middle East, western central Asia, northern Siberia and most of eastern Russia.

Remarkably, colder-than-average temperatures occurred particularly over most of China and Mongolia, southern Russia, most of India and neighbouring countries in south-east Asia. Large parts of northern Alaska, central and eastern Canada, Greenland, central USA and northern Mexico, also experienced below-average temperatures.

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

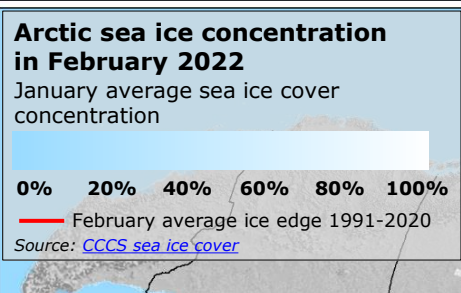
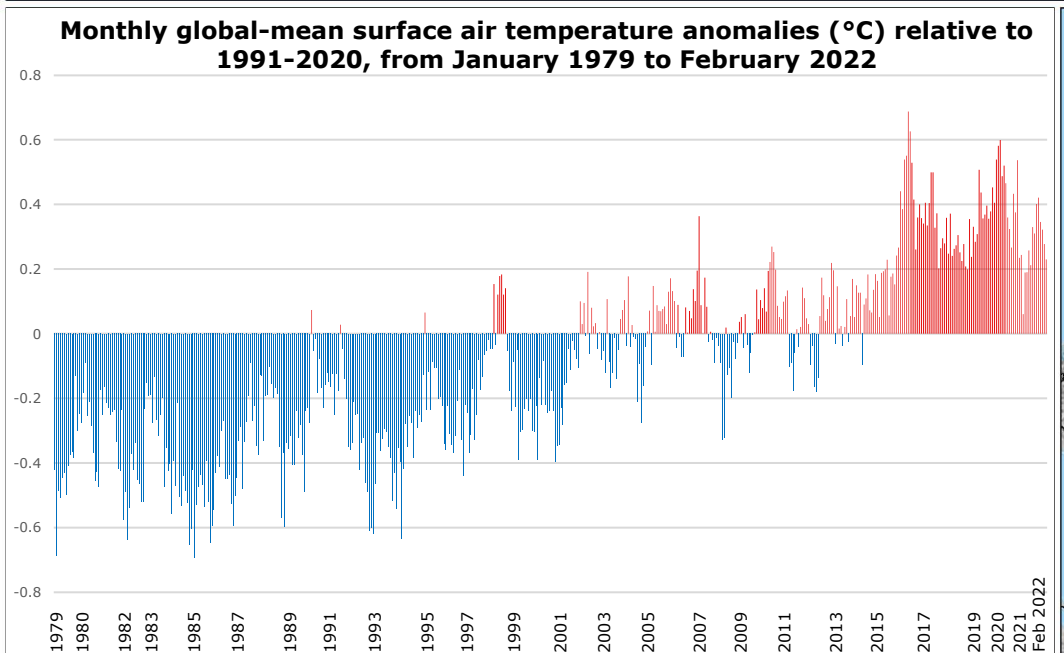
Surface temperature anomalies\* in February 2022 (°C, measured at 2 metres)



Source: [Copernicus Climate Change Service \(CCCS\)](#)  
\*Relative to the 1991-2020 reference period

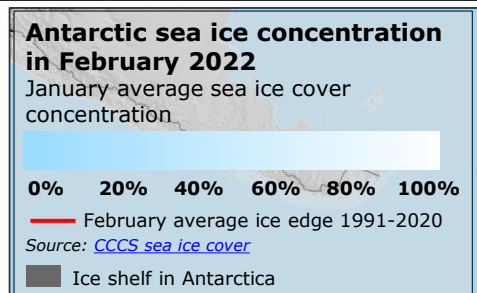
Latest additional overview maps on Global temperature anomalies have been produced as DG ECHO Daily Maps, available on the ERCC Daily Map [Portal](#).

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**Arctic sea ice concentration in February 2022**  
January average sea ice cover concentration

In February 2022, **sea ice in Arctic** reached an extent of 14.7 million km<sup>2</sup>, which indicates about **2% below the 1991-2020 average for February**. In the eastern Atlantic sector, the most notable feature were below-average concentrations between the Barents and Kara Seas. In the Pacific sector, there was a sharp contrast between well below-average concentrations in the Sea of Okhotsk and positive concentrations in the Bering Sea.



**Antarctic sea ice concentration in February 2022**  
January average sea ice cover concentration

In February 2022, **Antarctic sea ice** extent reached 2.5 million km<sup>2</sup> on average, or approximately **27% below the 1991-2020 average for February**. This value ranks 2nd lowest in this 44-year satellite record. The previous two lowest extents were recorded in 2017 and 2018, reaching 28% and 25%, respectively, below the 1991-2020 average.

