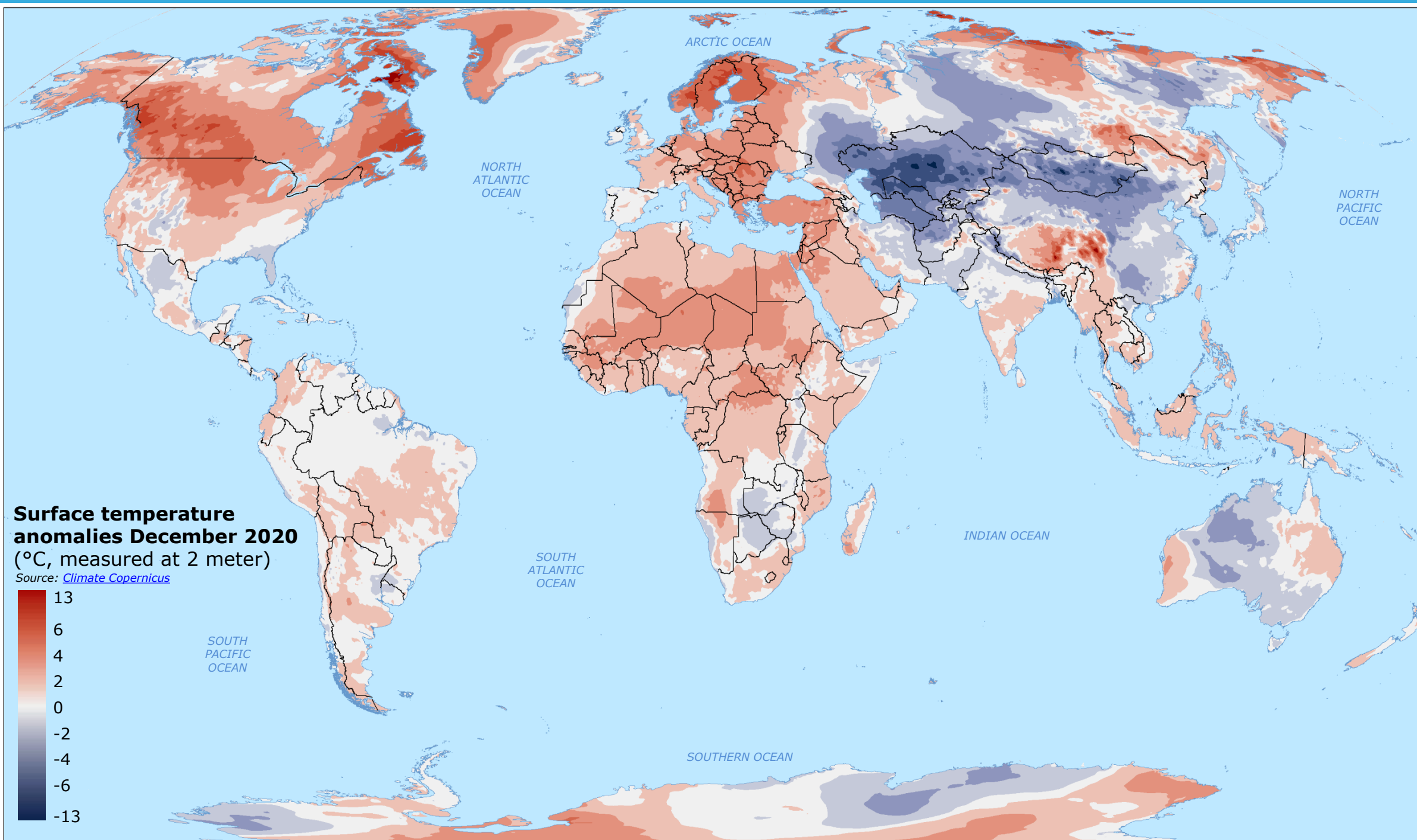


World | Temperature Anomalies in December 2020



The global-mean temperature for December 2020 was above average, about 0.43°C warmer than the 1981-2010 average for December.

Temperatures were much higher than the reference period average for December over northern Europe and Balkans, over northern USA, large parts of Canada and Greenland, and over the Tibetan Plateau. Furthermore, higher temperatures were reported over northern Siberia, especially along Barents, Kara and Chukchi Seas, which have been affected by negative anomalies of sea-ice concentration. In Antarctica, both above and below than average temperatures for December were reported.

Higher than average temperatures were also experienced across countries in northern and central Africa, Angola and Namibia, large areas across South America, and far Western Australia.

Below average temperatures in December were significantly widespread over Central Asia, most of Mongolia, northern and eastern China, and central and eastern Russia. Temperatures were colder than average in central Australia, some areas in southern Africa.

Source: [Climate Copernicus: Surface air temperature for December 2020](#)

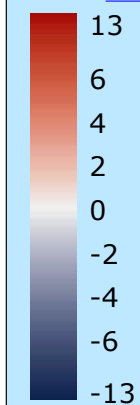
Latest additional overview maps on Global temperature anomalies for 2020 have been produced as DG ECHO Daily Maps, available on the ERCC Daily Map [Portal](#).

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

© 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.

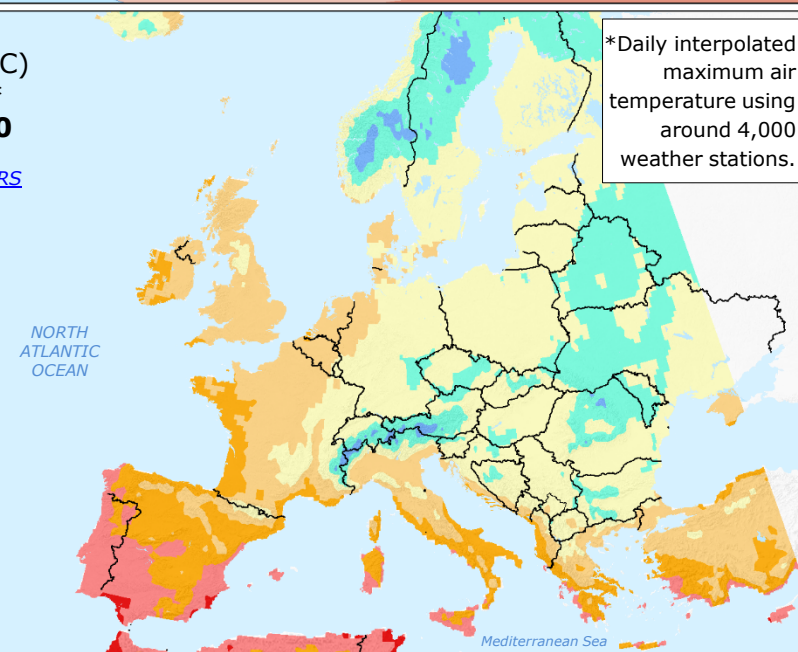
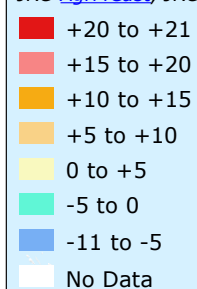
Surface temperature anomalies December 2020
(°C, measured at 2 meter)

Source: [Climate Copernicus](#)



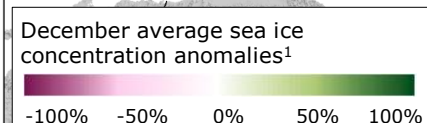
Maximum air temperature across Europe* December 2020

Source: [JRC-EDQ](#), [JRC-Agri4Cast](#), [JRC-MARS](#)



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

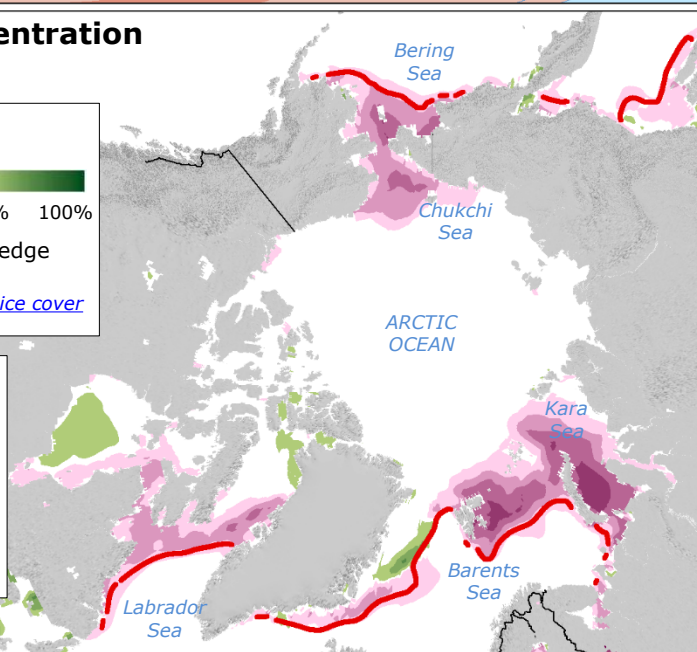
Arctic sea ice concentration in December 2020



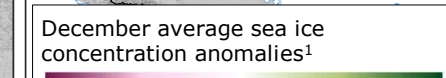
Source: [Climate Copernicus sea ice cover](#)

The monthly average Arctic sea ice extent in December 2020 was 11.7 million km², or 9% below the 1981-2010 average for December.

It was the third lowest December extent recorded.



Antarctic sea ice concentration in December 2020



Source: [Climate Copernicus sea ice cover](#)

In December 2020, Antarctic sea ice extent reached 10.4 million km² on average, about 5% below the 1981-2010 average for December.

