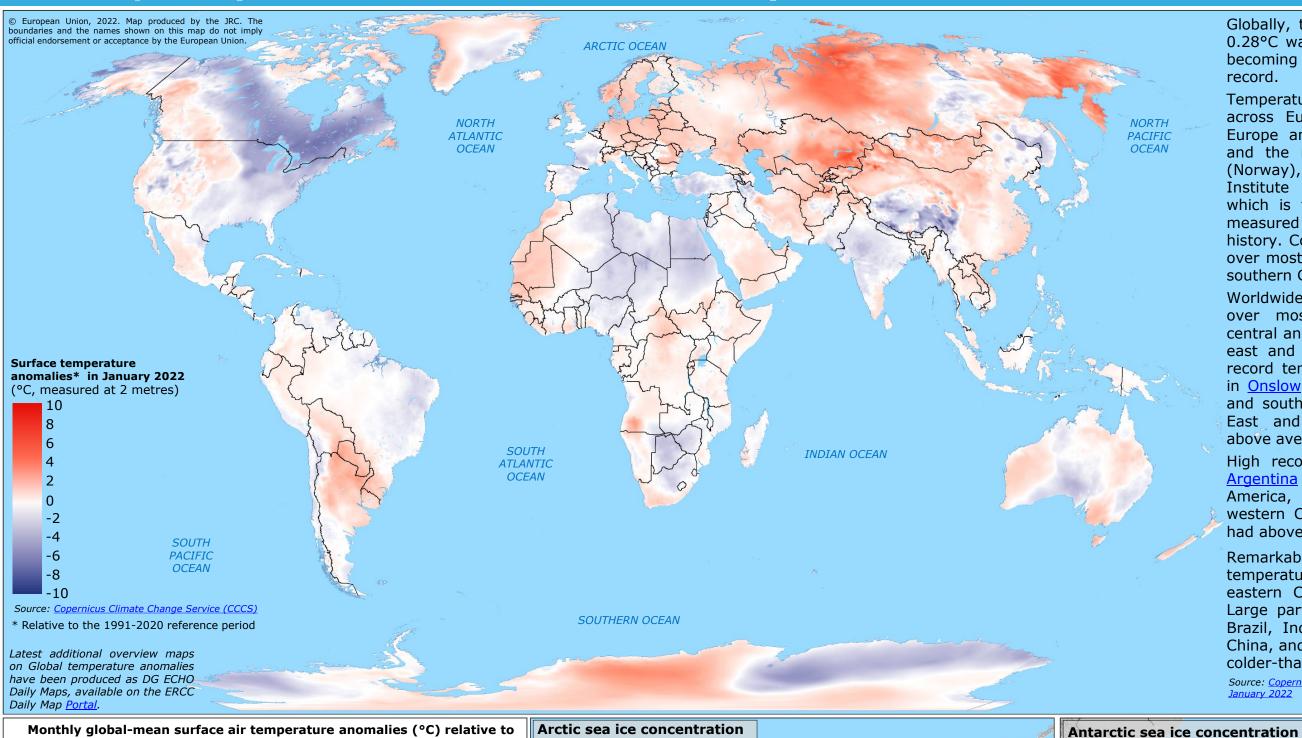
World | Temperature Anomalies in January 2022





Globally, temperatures in January 2022 were 0.28°C warmer than the 1991-2020 average, becoming the sixth warmest January on record.

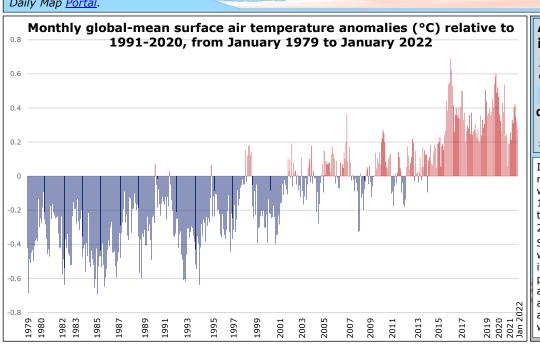
Temperatures were generally above-average across Europe, from Germany into eastern Europe and Russia, and across Scandinavia and the northern UK and Ireland. In Oslo (Norway), the Norwegian Meteorological Institute (MET Norway) measured 12.5°C, which is the highest maximum temperature measured in the city in January in recorded history. Contrarily, it was colder than average over most of France, north and east of Spain, southern Greece and Turkey.

Worldwide, temperatures were above average over most of Russia (particularly across central and Kamchatka Peninsula), central, far east and south-east Asia. A new Australian record temperature of 50.7°C was registered in Onslow. Large part of north-west, central and south-west Africa, as well as the Middle East and the Arabian Peninsula recorded above average temperatures.

High record temperatures were reported in <u>Argentina</u> and southern <u>Brazil</u>, while central America, parts of central and western USA, western Canada and western Greenland also had above-average temperatures.

Remarkably, colder than average temperatures occurred particularly across eastern Canada and eastern United States. Large parts of North Africa, southern Africa, Brazil, India, the Himalayas and south-west China, and southern Australia also experienced colder-than-average temperatures.

Source: Copernicus Climate Change Service: Surface air temperature for January 2022



Arctic sea ice concentration in January 2022

January average sea ice cover concentration

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

January average ice edge 1991-2020 Source: CCCS sea ice cover

In January 2022, sea ice in Arctic reached an extent 14.0 million km2, which indicates about 1% below the 1991-2020 average for January. It is the largest extent observed since

Sea ice continued to expand mainly within and around Hudson Bay, where it had been well below average in previous months. Greenland, Barents, and Kara Seas were characterized by a mixture of above and below average values. Large anomalies were reported along Sea of Okhotsk.



in January 2022

January average sea ice cover concentration

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

— January average ice edge 1991-2020

Source: CCCS sea ice cover

Ice shelf in Antarctica

In January 2022, Antarctic sea ice extent reached 4.4 million km2 on average, or approximately 1% below the 1991-2020 average for January. This value ranks the fourth lowest in this 43-year satellite record.

Overall, below-average concentrations

dominated around the Antarctic continent, especially around Weddell, Ross, and Bellingshausen Seas.

