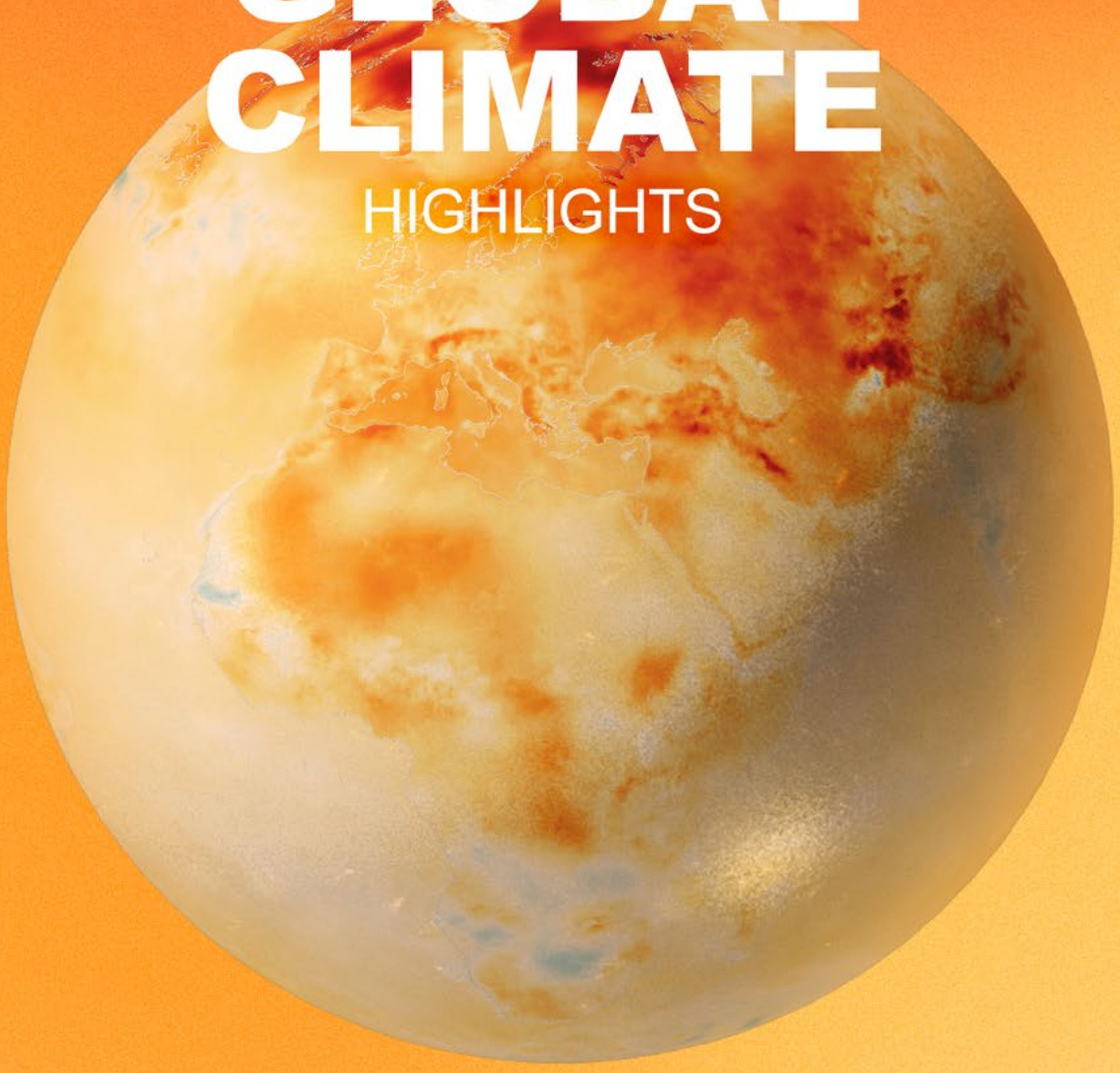
2025

GLOBAL CLIMATE

HIGHLIGHTS



PROGRAMME OF THE EUROPEAN UNION

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2025 had a global average temperature of 14.97°C, 0.59°C above the 1991-2020 average, and 0.13°C cooler than 2024, the warmest year on record. 2025 was 1.47°C above an estimate of the 1850-1900 average temperature designated to represent the pre-industrial level. This places 2025 as the third-warmest year, marginally (0.01°C) cooler than the second-warmest year 2023, according to ERA5.

2025 was also the third-warmest year on record according to the JRA-3Q reanalysis. The average temperature anomaly relative to 1850–1900 is 1.46°C for JRA-3Q, with an absolute global temperature of 14.98°C. Other centres whose global temperature datasets (Berkeley Earth, GISTEMPv4, HadCRUT5 and NOAAGlobalTempv6) are routinely monitored by C3S are expected to report that 2025 was either the second- or the third-warmest year on record. Using data already published, it is estimated that these centres will place 2025 between 1.39°C (HadCRUT5) and 1.45°C (GISTEMPv4) above the 1850–1900 level, assuming the same offset of 0.88°C between 1850–1900 and 1991–2020 levels as used for ERA5 and JRA-3Q. The reported values may differ, as individual centres may use different offsets[3].

While 2025 did not reach 1.5°C above the pre-industrial level, the average global temperature for 2023–2025 exceeded 1.5°C, according to the ERA5 dataset. This is the first three-year average to do so in the instrumental period. The average for those three years is 1.52°C for ERA5 and 1.50°C for JRA-3Q.

The years 2023-2025 stand out from all previous years. Therefore, 2025 will be discussed not only in the long-term context, but also alongside 2023 and 2024.

All of the past 11 years (2015–2025) rank among the 11 warmest on record. In 2025, the monthly global average temperature exceeded 1.5°C above the pre-industrial level during six months of the year, from January to April, and again in October and November. This concludes an almost continuous series of 21 months at 1.5°C above the pre-industrial level, starting in July 2023, with July 2024 as the sole exception.

Berechnungs-Nachweis von www.klimamanifest.ch
für die von «COPERNICUS» verwendete globale Absoluttemperatur für «vorindustriell»
(= per-industrial, 1850 - 1900):

13.5°C = 14.97°C ./. 1.47°C = 13.5°C

3 For more information on how and why global temperature datasets differ, please see "About the data and methods". *Estimated values will be replaced by final values once all data values for December have been released.*