



THE EARTH IS GETTING WARMER

Globally, **2020** was the hottest year on record, effectively tying **2016**, the previous record. Overall, Earth's average temperature has risen more than 2 degrees Fahrenheit since the 1880s. Temperatures are increasing due to human activities, specifically emissions of greenhouse gases, like carbon dioxide and methane.

The Charts here show trends in Temperature changes in the Global, Northern & Southern Hemisphere. Derivation are against the baseline period 1951-1980.

2020 edged out **2016** by a very small amount, within the margin of error of the analysis, making the years effectively tied for the warmest year on record.

As there are Higher Temperature anomalies in the **Northern Hemisphere** it is imp. that we understand the Impact. Rising temperatures are causing phenomena such as **loss of sea ice and ice sheet mass**, **sea level rise**, **longer and more intense heat waves**, and shifts in plant and animal habitats. If we do not take actions soon this changes will be irreversible.

VARIANCE TO 1951 TO 1980 AVG.

+1.00
+0.50
+0.00
-0.50

1891 1911 1931 1951 1971 1991 2011 2031

See the Temperature rising by Hemisphere

GLOBAL

2020 tied with 2016 for the warmest year on record

+0.81

← Cooler

Hotter →

