

Changes since the 18th Century

Temperature

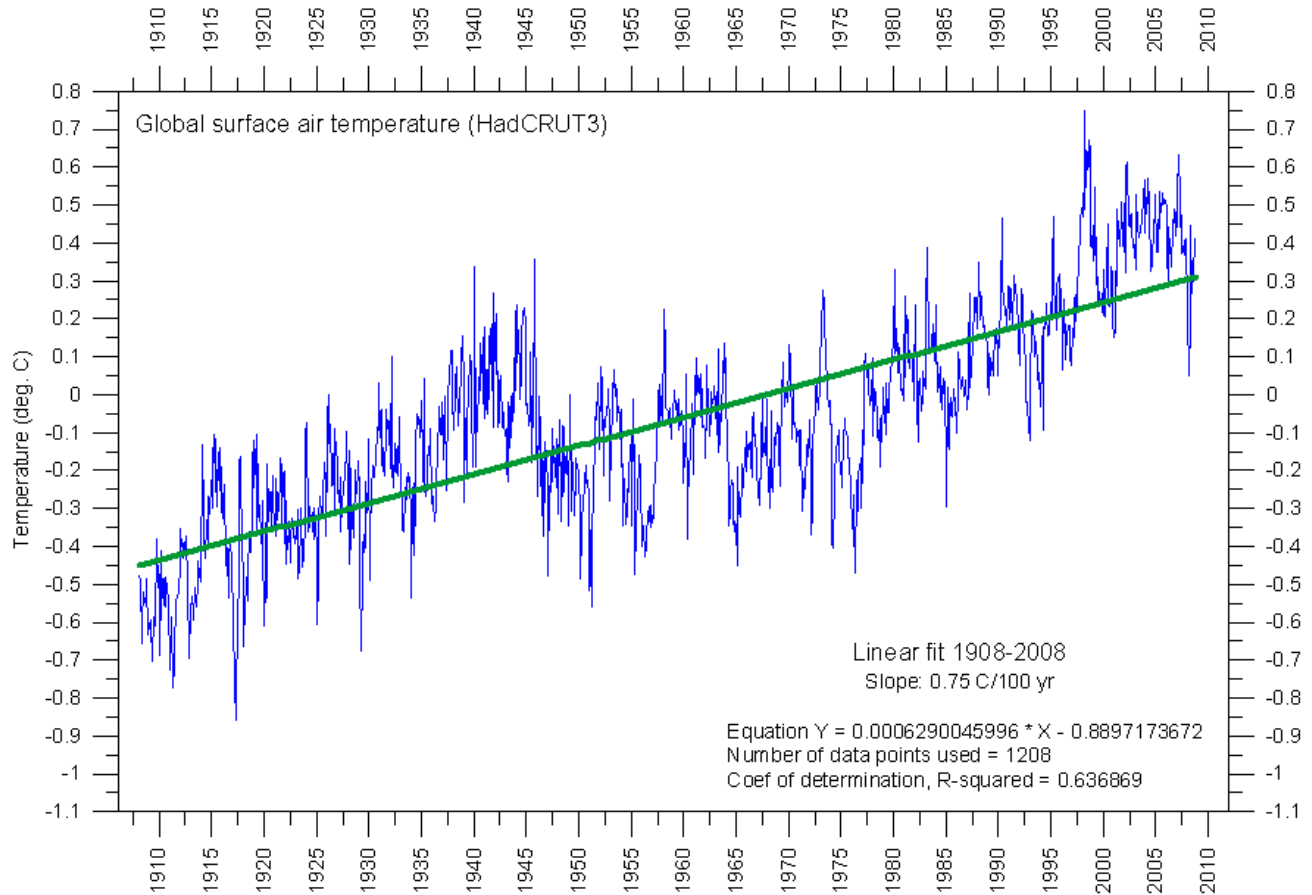
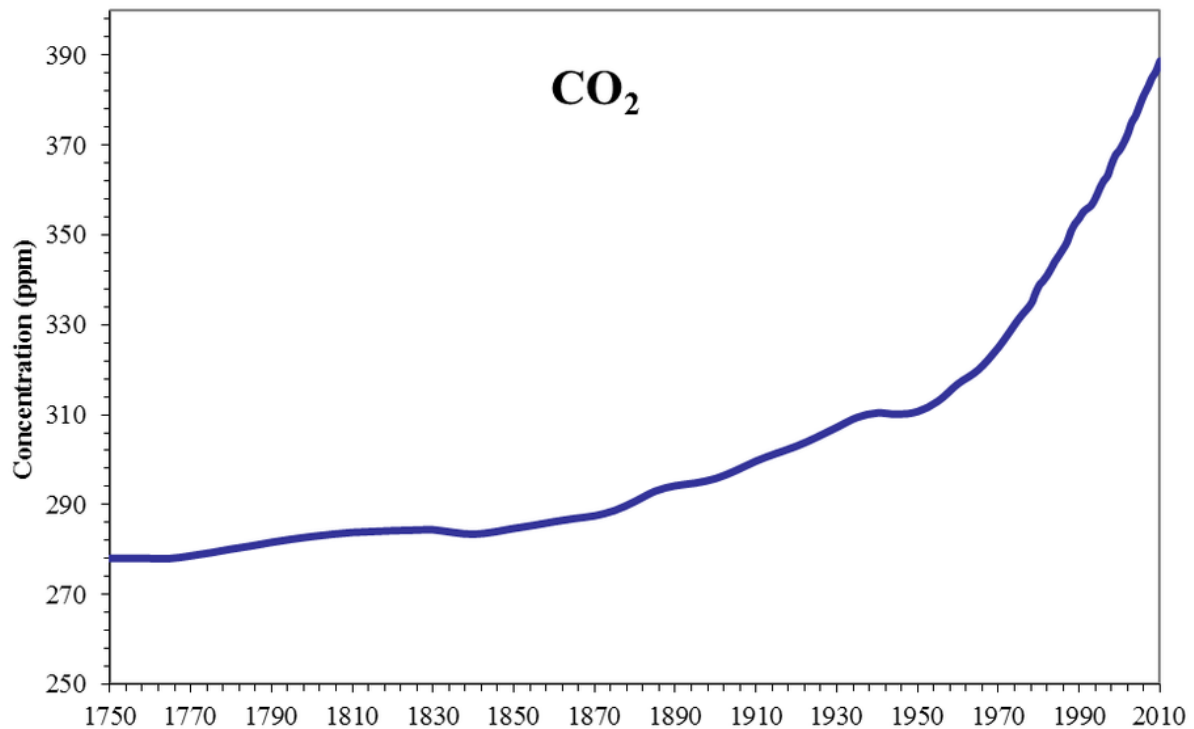


Figure C. Monthly global surface air temperature since 1908, according to [HadCRUT3](http://www.met.rdg.ac.uk/~hadcrut3/). The blue line show the variation of the monthly values, and the green line show a linear trend line calculated for the whole period 1908-2008. The data series is updated to August 2008.

In the diagram above a post Little Ice Age linear trend line has been calculated (green line). This trend line has a slope of 0.75°C per 100 year, suggesting that the overall global temperature increase since the termination of the Little Ice Age (here defined as 1908) has been about 0.75°C. (<http://www.climate4you.com/ClimateReflections.htm>)

Carbon Dioxide



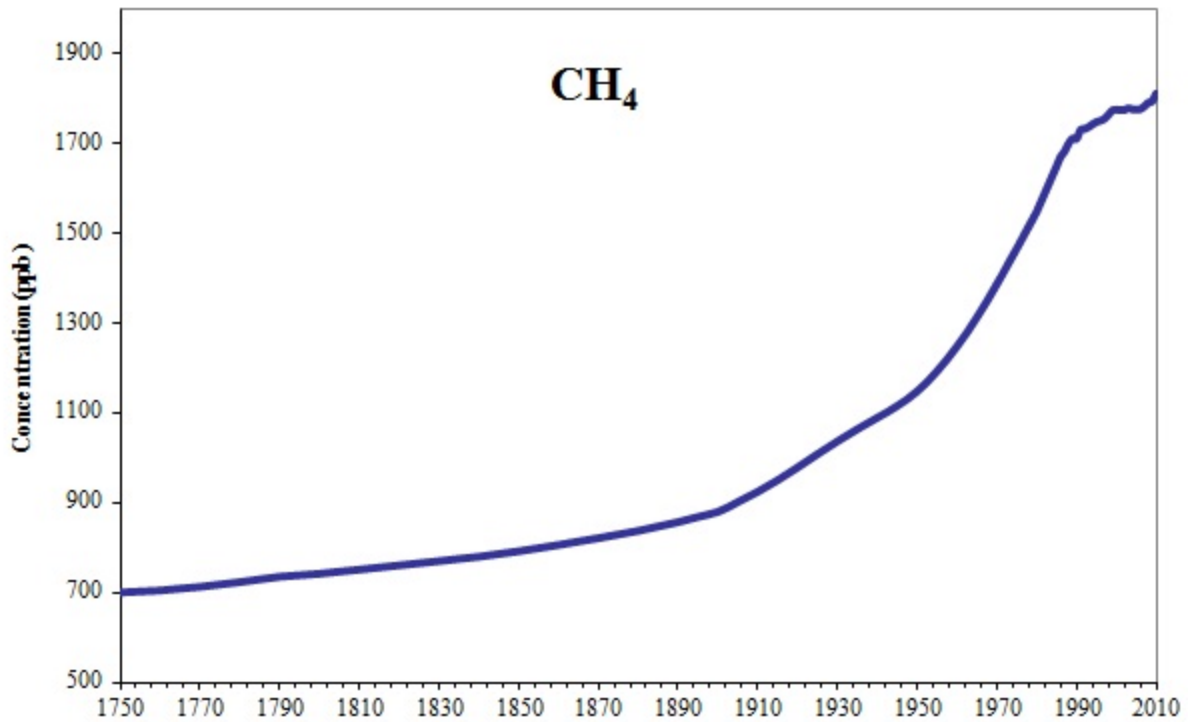
Note: The figure shows the global atmospheric concentration of carbon dioxide up to 2010. The value for 2011 is 390.9 ppm but is not included in the chart to ensure consistency with the other greenhouse gas figures.

Data source:

- [Trends in Atmospheric Carbon Dioxide](#) provided by **National oceanic and atmospheric administration (NOAA)**
- [Trends in Atmospheric Carbon Dioxide, ftp archive](#) provided by **National oceanic and atmospheric administration (NOAA)**

(<http://www.eea.europa.eu/data-and-maps/figures/atmospheric-concentration-of-co2-ppm-1>)

Methane



Note: The figure shows the global atmospheric concentration of methane up to 2010.

Data source:

- [CDIAC concentration of compounds measured by AGAGE GM-MS \(ADS\) System](#) provided by **Carbon Dioxide Information and Analysis Center (CDIAC)**

(<http://www.eea.europa.eu/data-and-maps/figures/atmospheric-concentration-of-co2-ppm-1>)