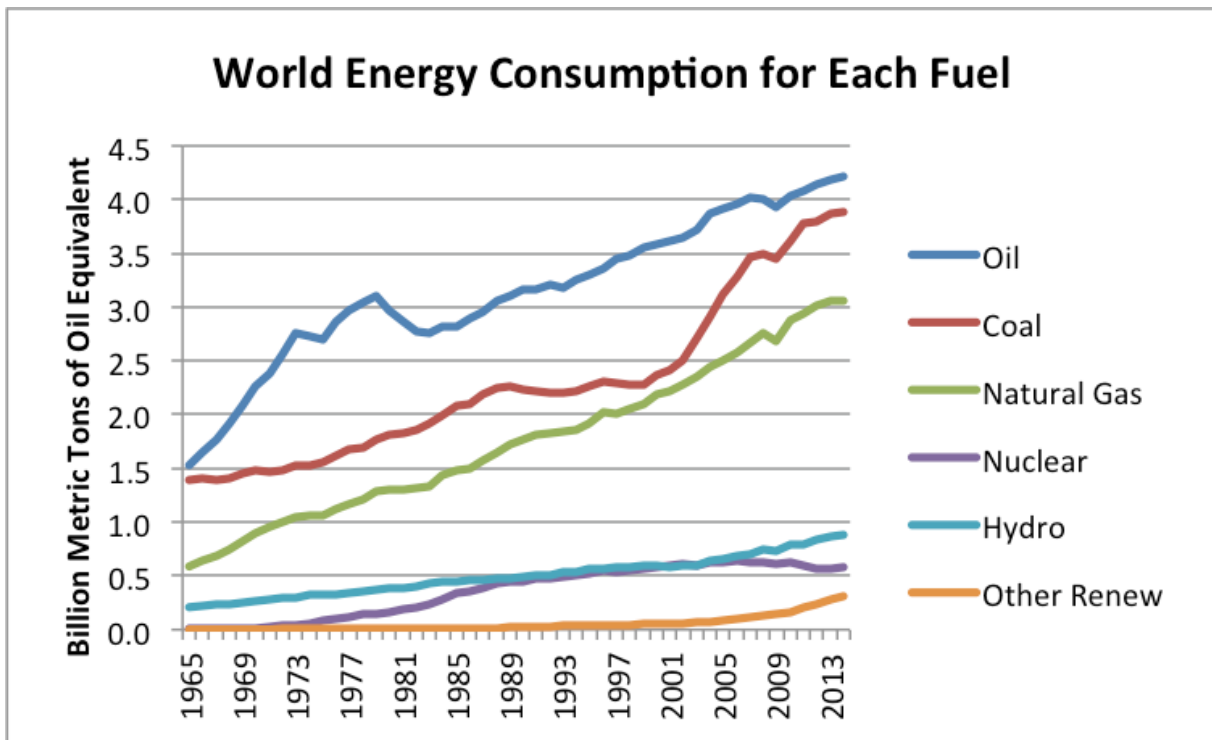
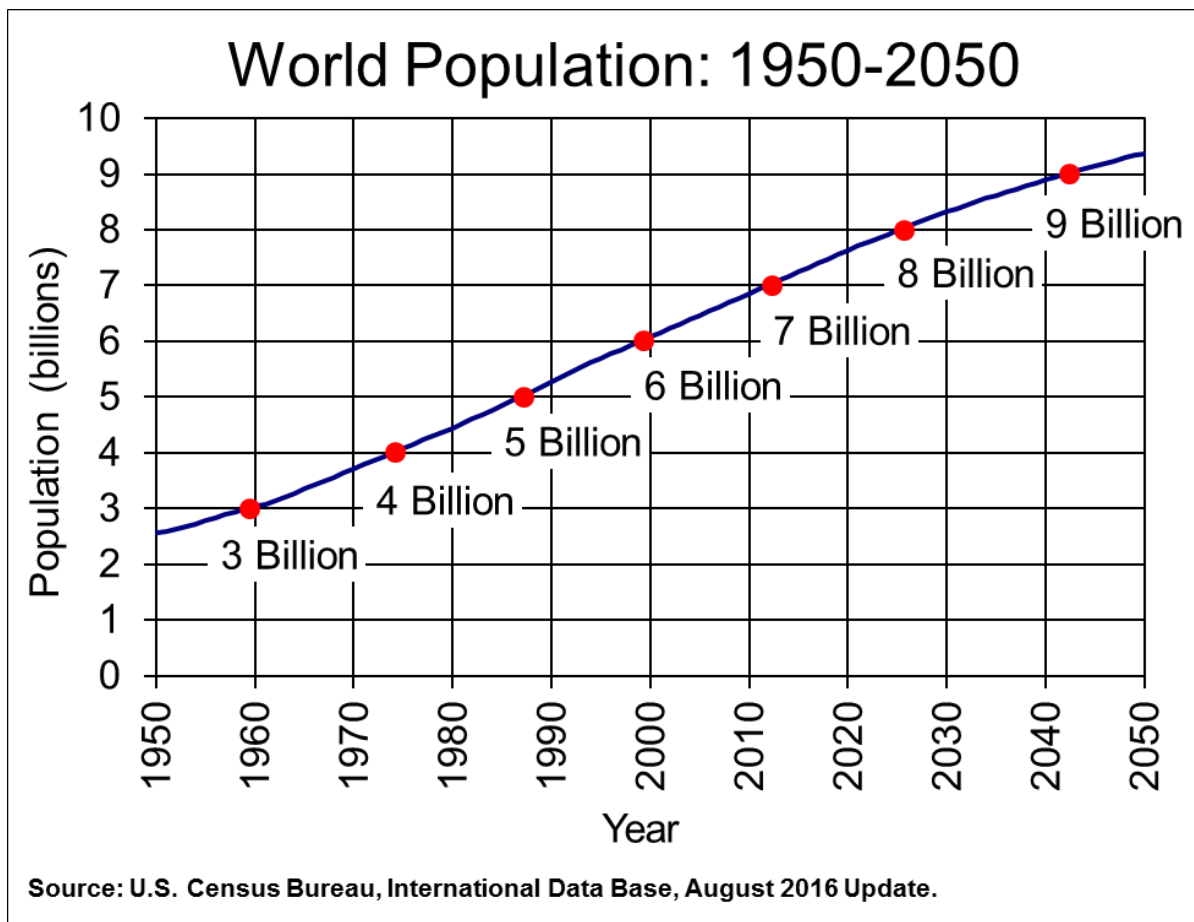


Data Set #1



Source: <https://ourfineworld.com/2015/06/23/bp-data-suggests-we-are-reaching-peak-energy-demand/>

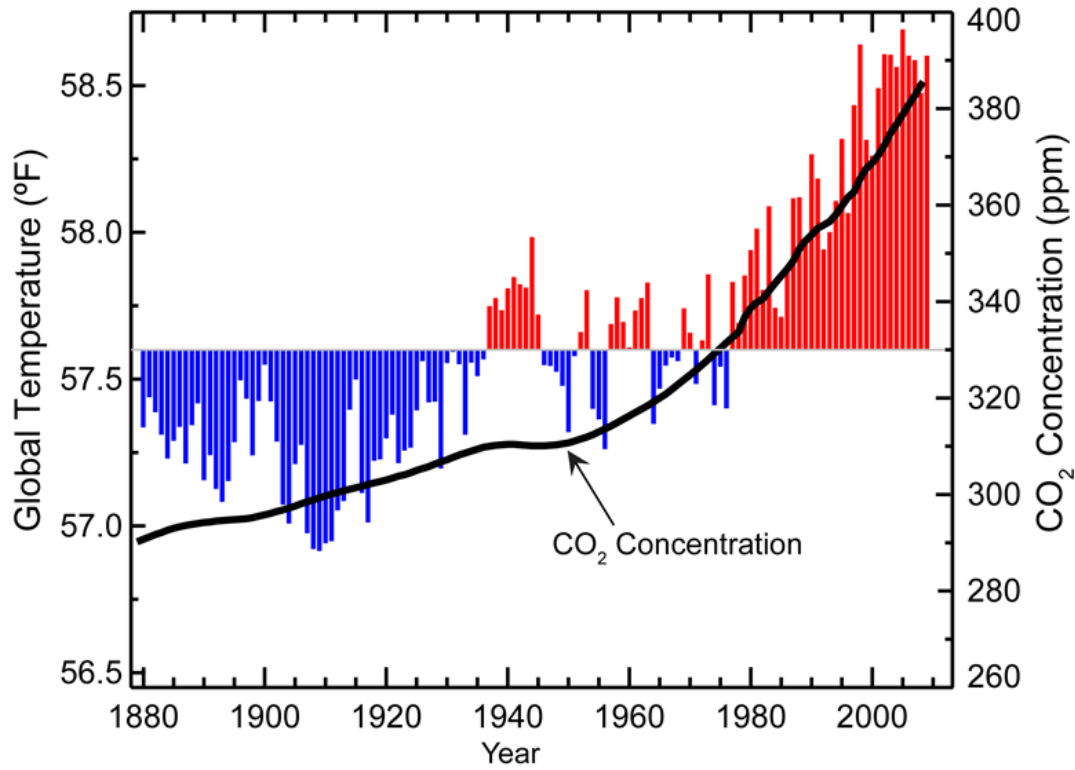


Source: U.S. Census Bureau, International Data Base, August 2016 Update.

Source: <https://www.census.gov/library/visualizations/2011/demo/world-population--1950-2050.html>

Data Set #2

Global Temperature and Carbon Dioxide



Source: <https://www.ncdc.noaa.gov/monitoring-references/faq/indicators.php>

MBH1998 compared to Wahl-Ammann 2007

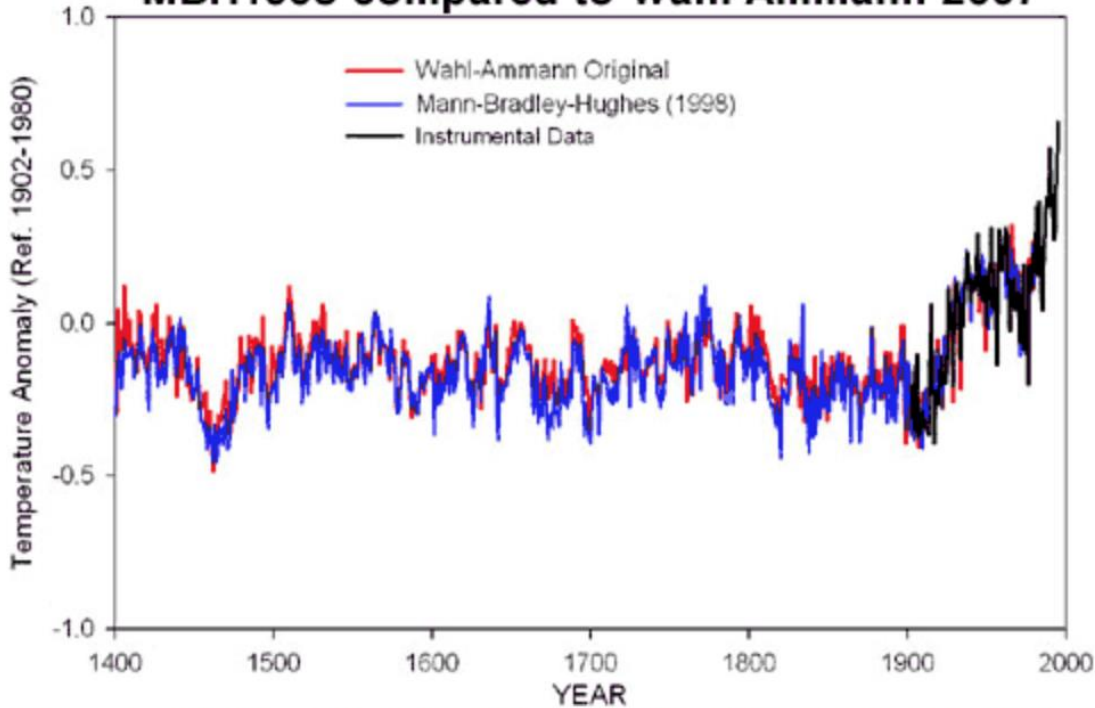


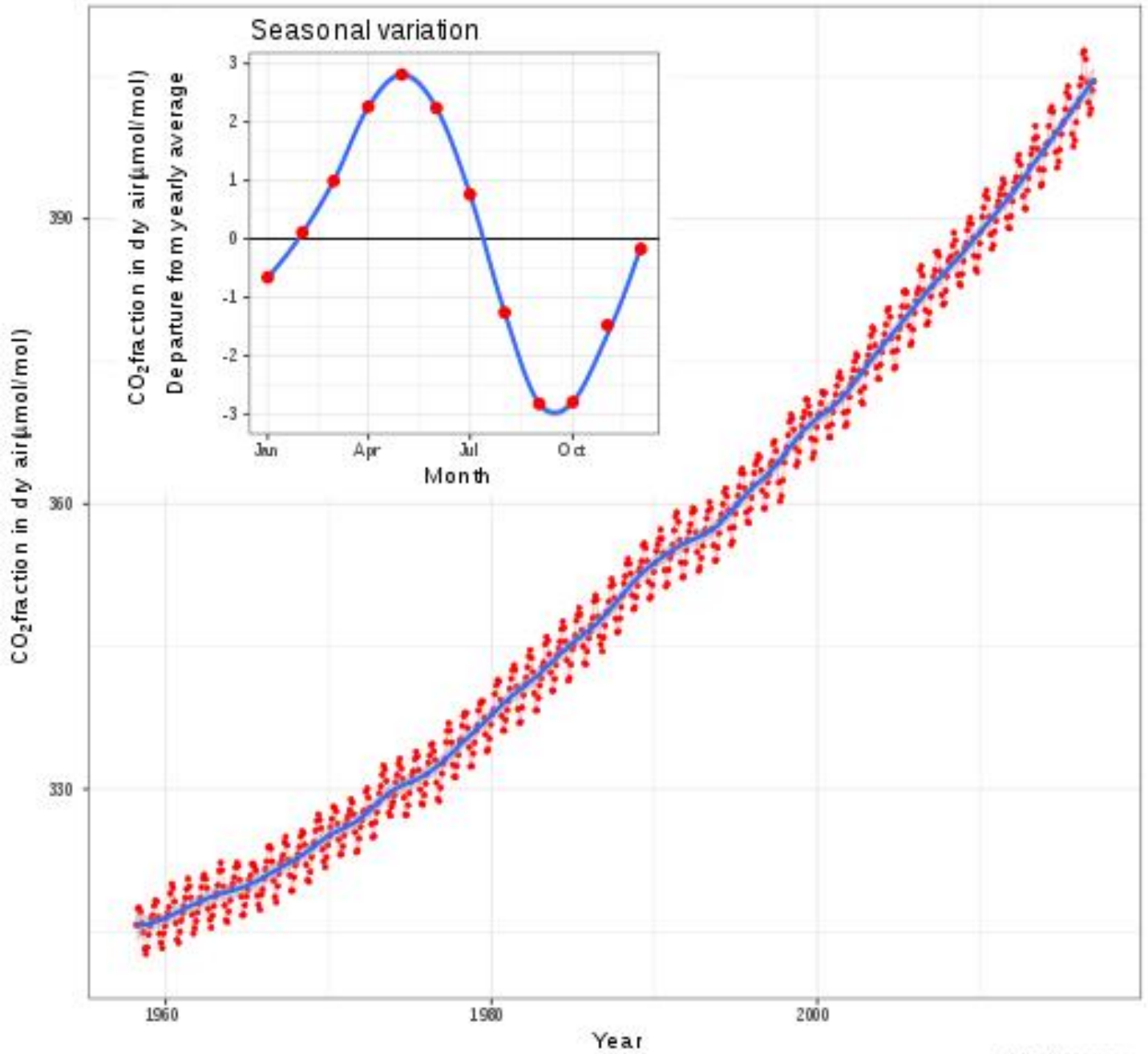
Figure 2: Original hockey stick graph (blue - MBH1998) compared to Wahl & Ammann reconstruction (red). Instrumental record in black (Wahl 2007).

Source: <https://www.skepticalscience.com/broken-hockey-stick.htm>

Data Set #3

Monthly mean CO₂ concentration

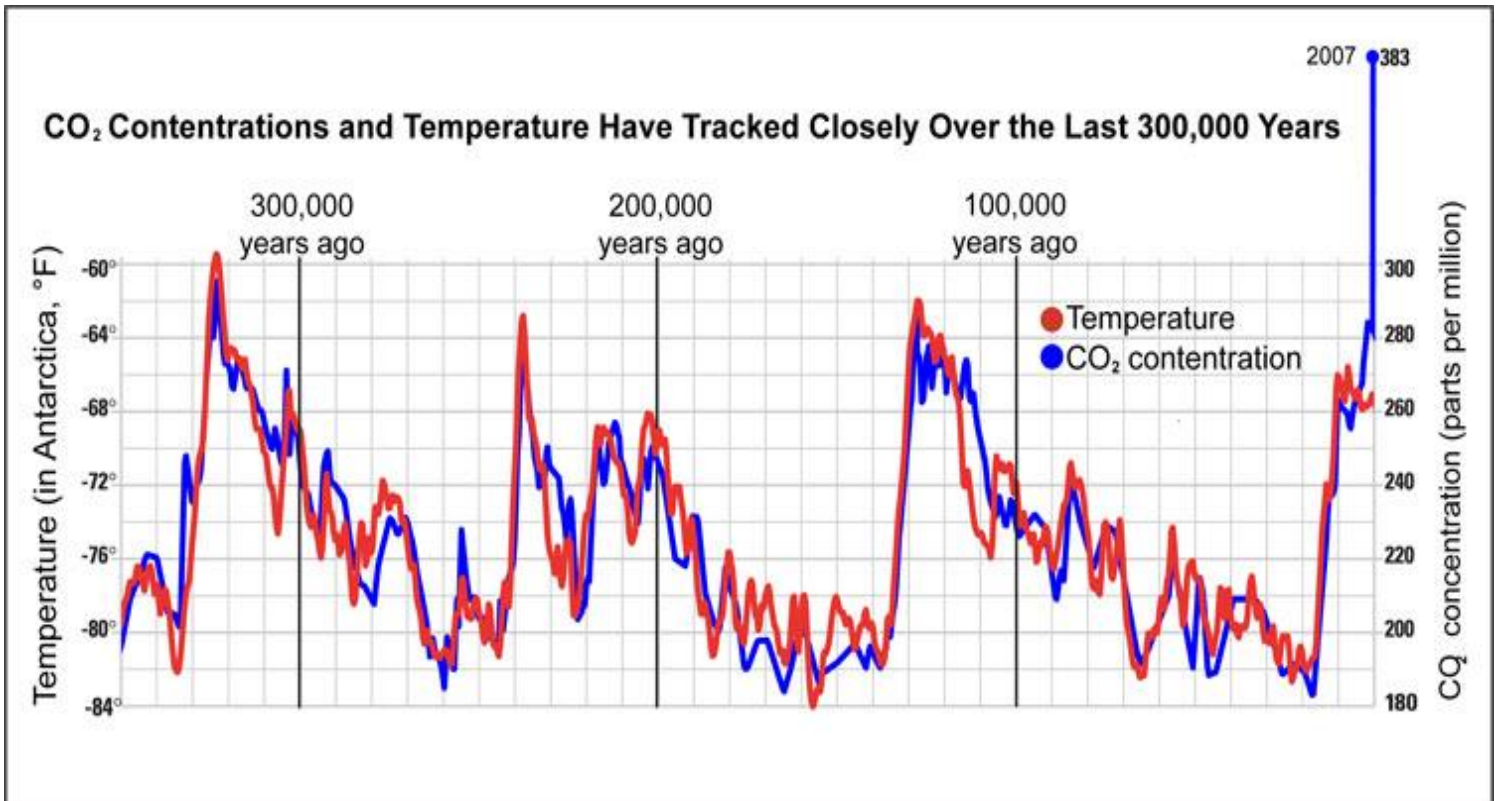
Mauna Loa 1958 - 2016



Data : NOAA/PMEL

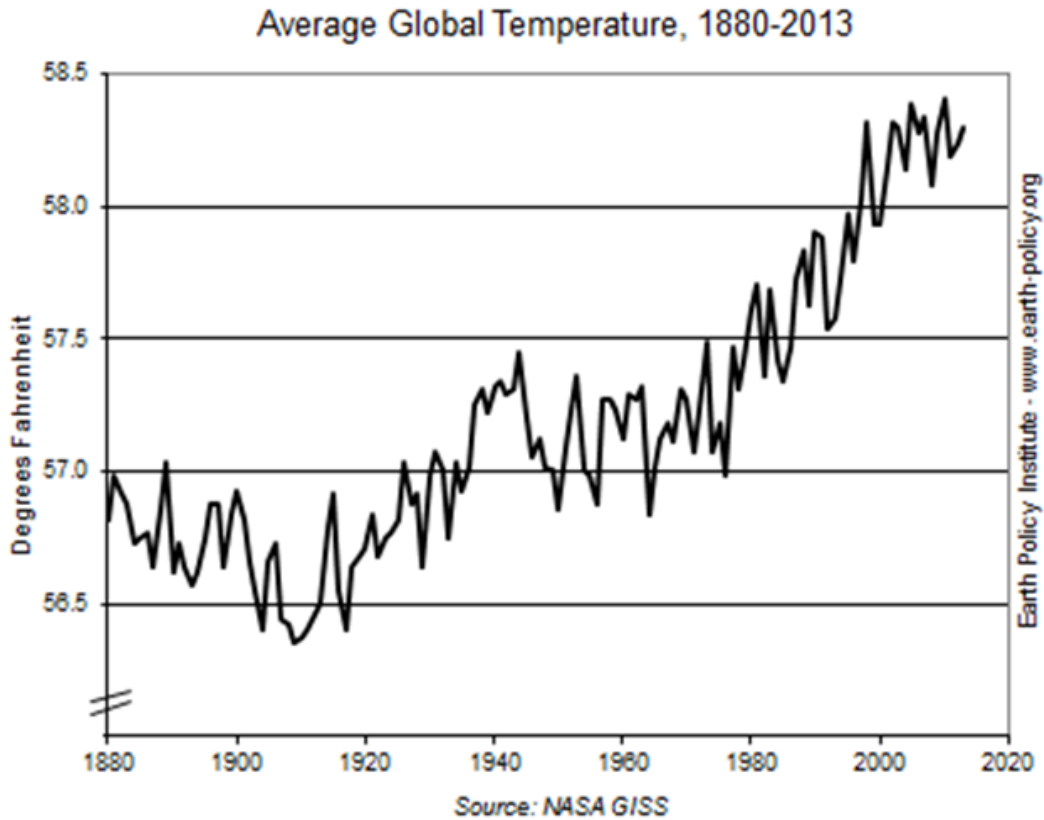
Source: <https://scripps.ucsd.edu/programs/keelingcurve/>

Data Set #4

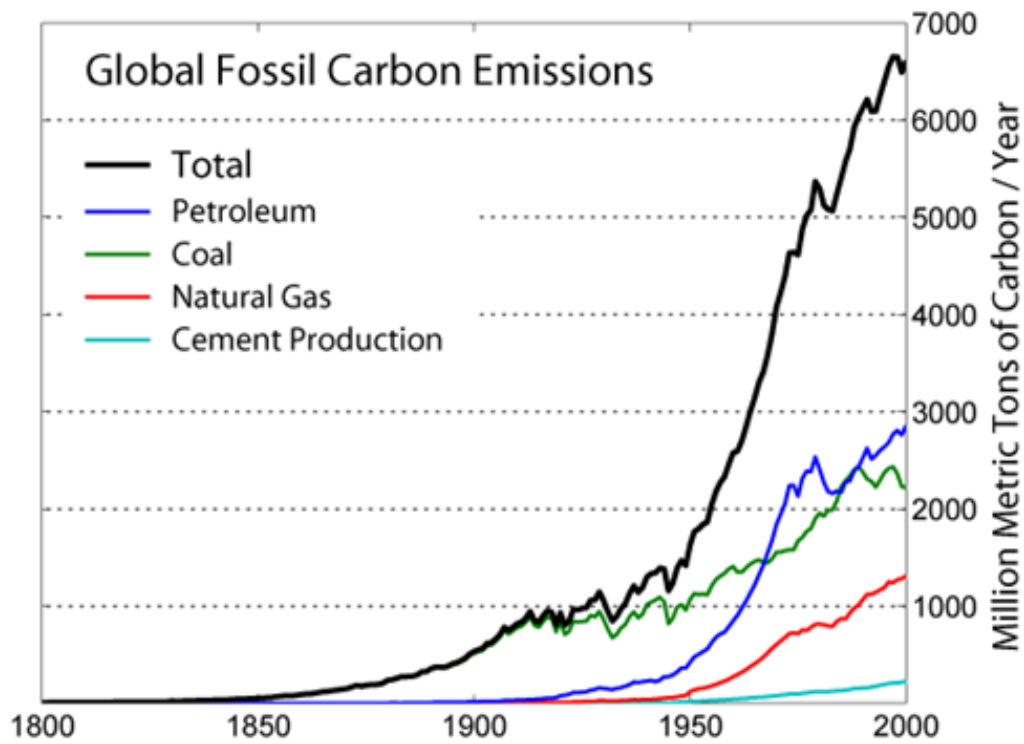


Source: <https://www.ncdc.noaa.gov/global-warming/temperature-change>

Data Set #5



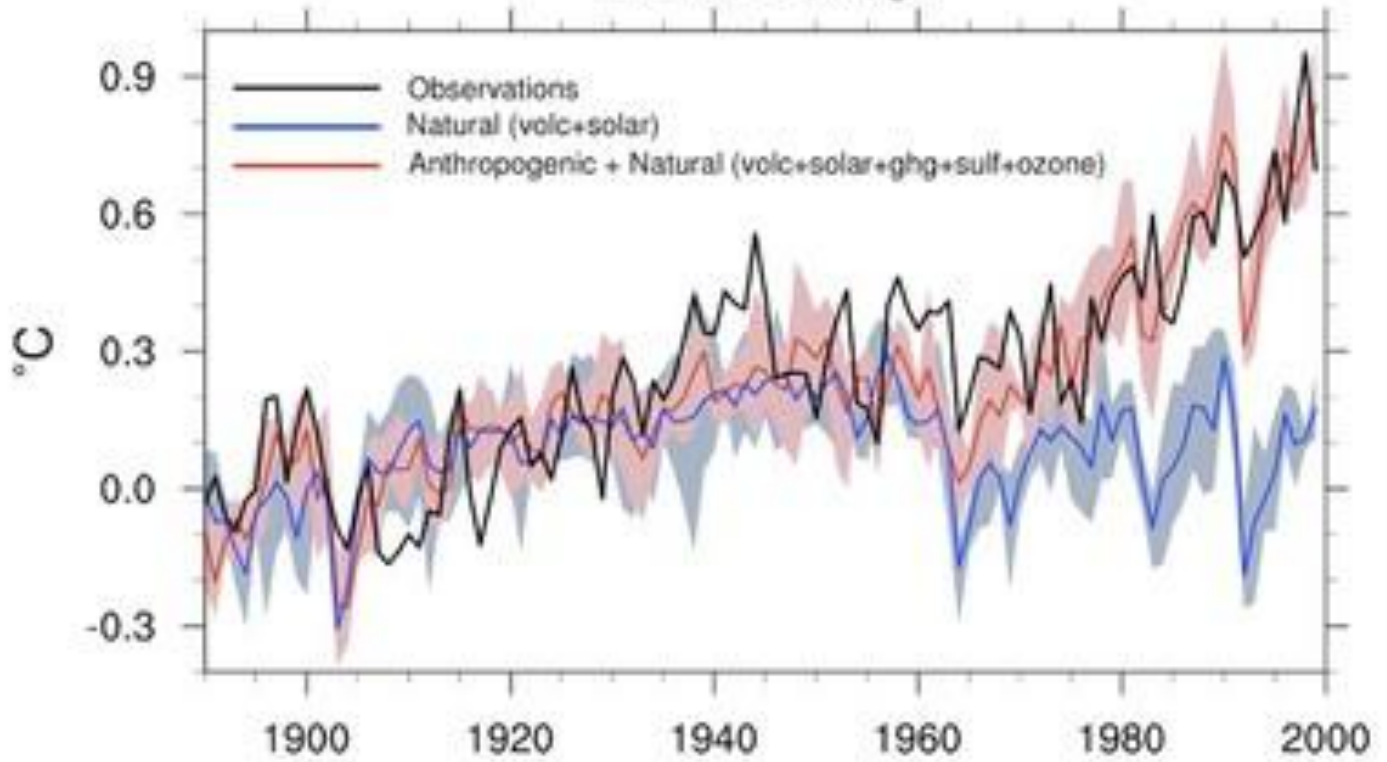
Source: <http://www.earth-policy.org/indicators/C51/>



Source: https://cdiac.ess-dive.lbl.gov/trends/emis/glo_2014.html

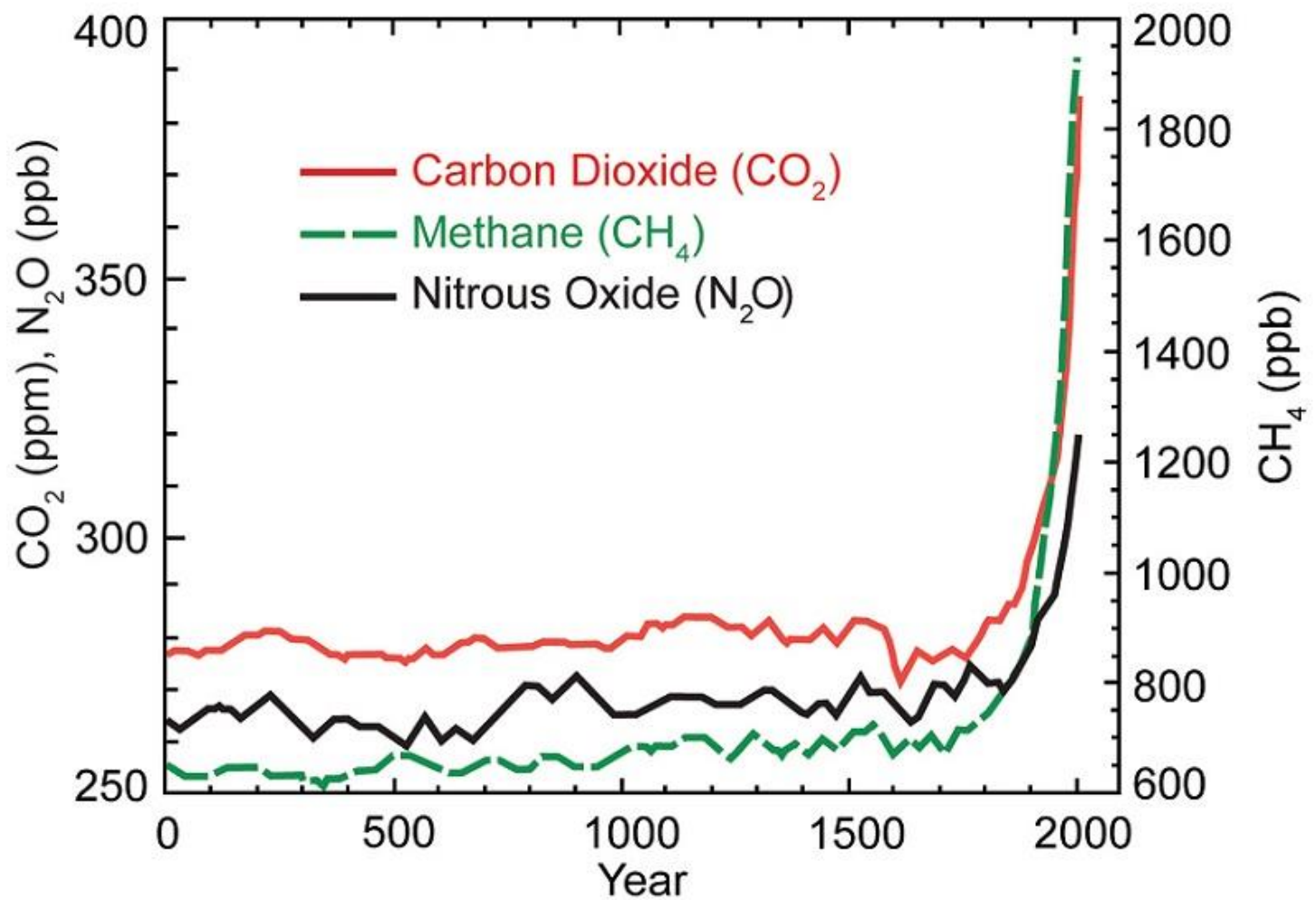
Data Set #6

Parallel Climate Model Ensembles Global Temperature Anomalies from 1890-1919 average



Source: <http://ossfoundation.us/projects/environment/global-warming/milankovitch-cycles>

Data Set #7



Source: https://19january2017snapshot.epa.gov/climatechange_.html

Data Set #8

[Sampling Sites](#)

[Infrared Spectra](#)

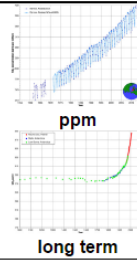
[Click to rotate molecule](#)

Concentration Units*
(Click to see graph)

Global Warming Potential (100-year)**

Atmospheric lifetime (years)**

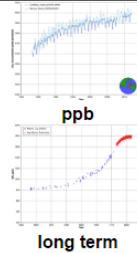
Carbon dioxide
CO₂



1

100

Methane
CH₄



28.5

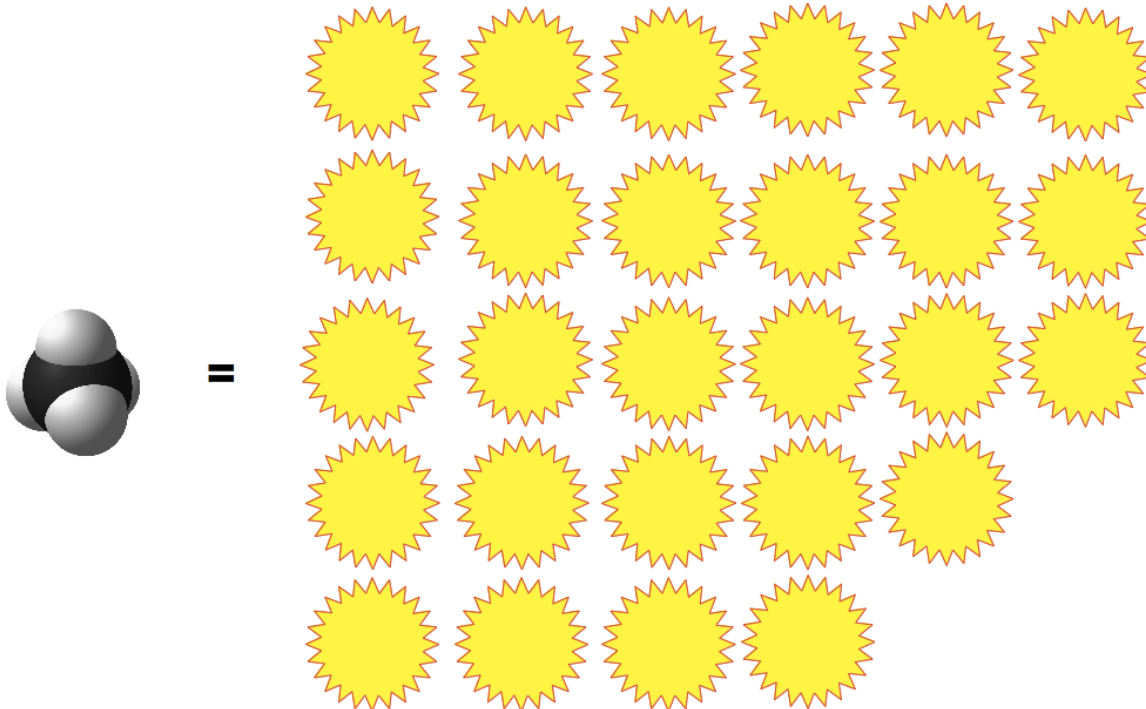
12.4

Source: <http://chemistry.beloit.edu/Warming/pages/molecule4.html>

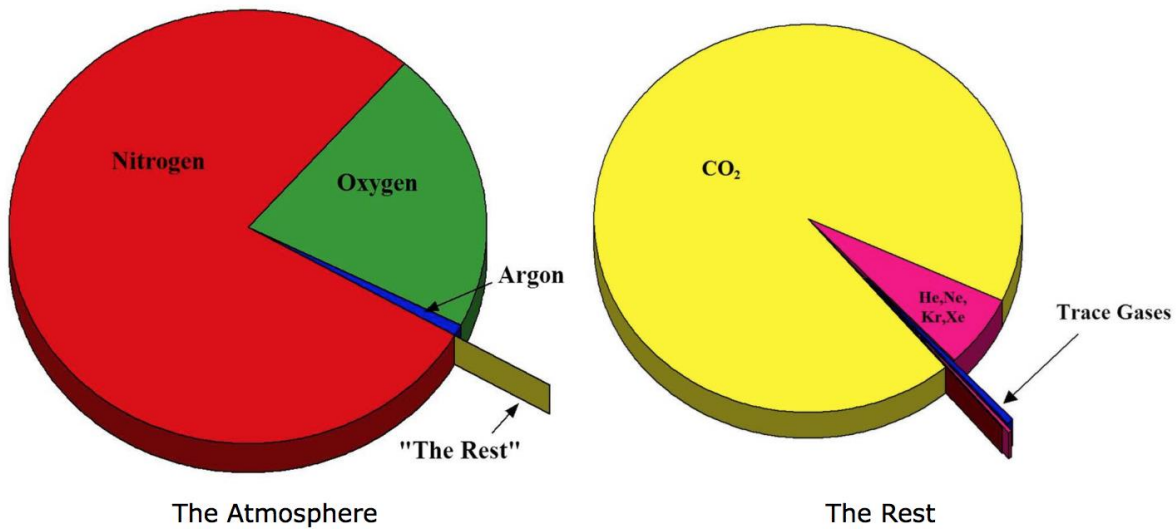
One carbon dioxide molecule equals one Global Warming Potential (GWP) unit



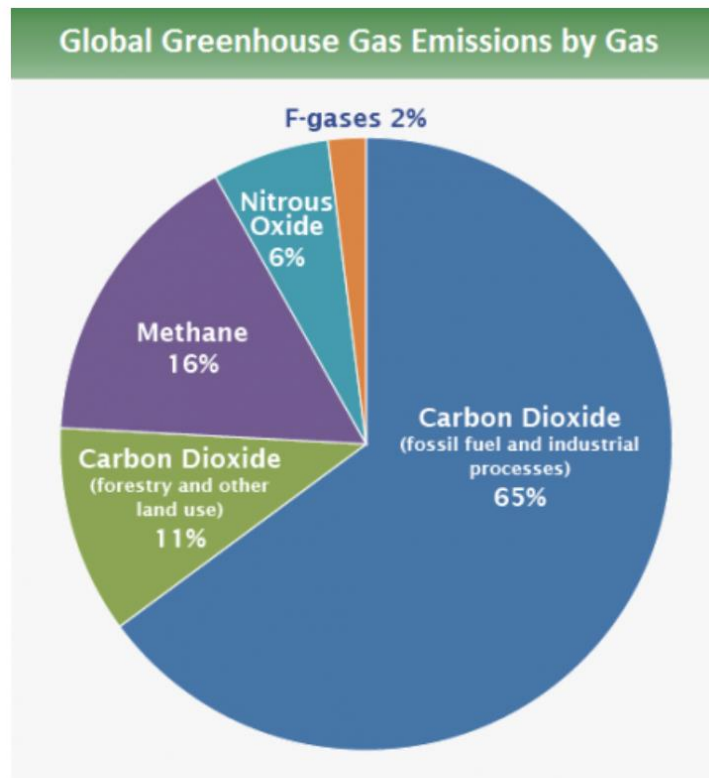
one methane molecule equals 21 Global Warming Potential (GWP) units



Source: <https://infiniteinterconnections.wordpress.com/2014/07/31/the-secrete-life-of-waste-an-in-n-out-burger-beverage-cup/>



Source: <https://science-edu.larc.nasa.gov/ozonegarden/ozone.html>



Source: [IPCC \(2014\)](#) based on global emissions from 2010. Details about the sources included in these estimates can be found in the [Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change](#).

Source: <https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data>