Annual Data | Atmospheric CO2

The 2014 average annual concentration of CO2 in the atmosphere (Mauna Loa Observatory) is 398.55 parts per million (ppm). The 2013 average is 396.48 ppm.
For the past decade (2005-2014) the average annual increase is 2.1 ppm per year. The average for the prior decade (1995-2004) is 1.9 ppm per year. Annual data for 2014 was first posted January 6, 2015, by NOAA-ESRL in the United States.

Since the 1958 start of high-precision instrument measurements of CO2 in the atmosphere, the annual mean concentration of CO2 has only increased from one year to the next. The CO2 data below provide a simple view of the annual trend.

Year	CO2 (ppm)	Notes
2014	398.55	
2013	396.48	
2012	393.82	
2011	391.63	
2010	389.85	
2009	387.37	Copenhagen Accord
2008	385.59	
2007	383.76	
2006	381.90	
1997	363.71	Kyoto Protocol
1992	356.38	Earth Summit in Rio de Janeiro
1987	349.16	The last year when the annual CO2 level was less than 350 ppm
1959	315.97	The first year with a full year of instrument data

Source Annual CO2 Data: NOAA-ESRL Data File Created January 6, 2015

More Information:

Annual and monthly data for atmospheric CO2 | 1958 - present | MLO / Scripps & NOAA

Accelerating rise of atmospheric CO2

Seasonal fluctuation in atmospheric CO2

Monthly data for atmospheric CO2

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