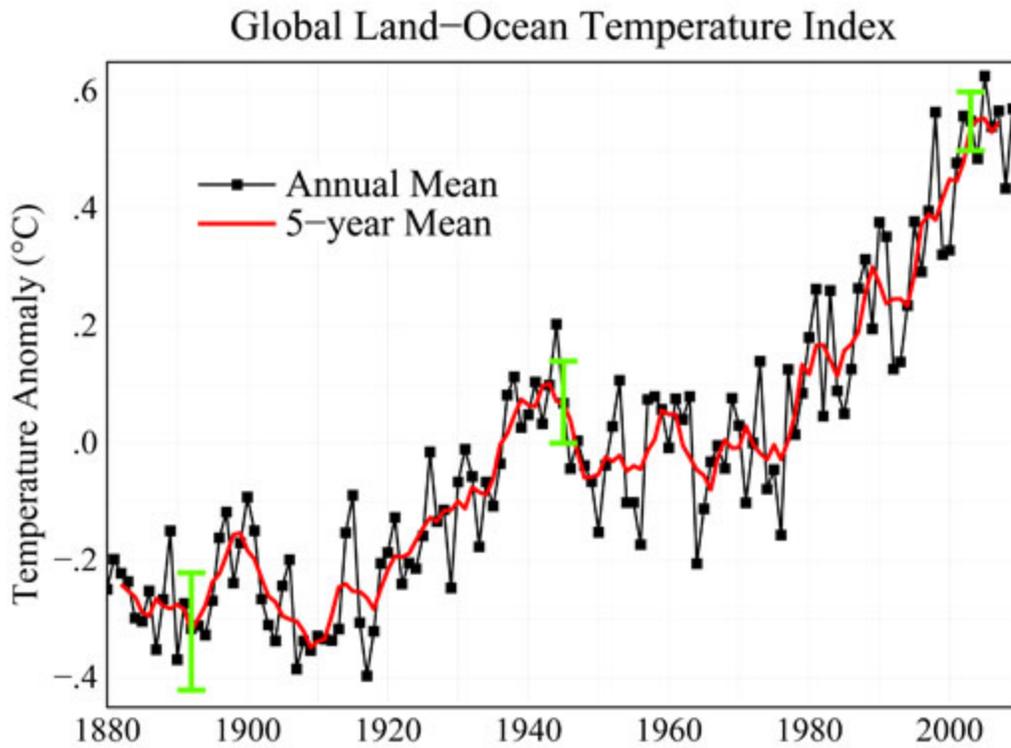
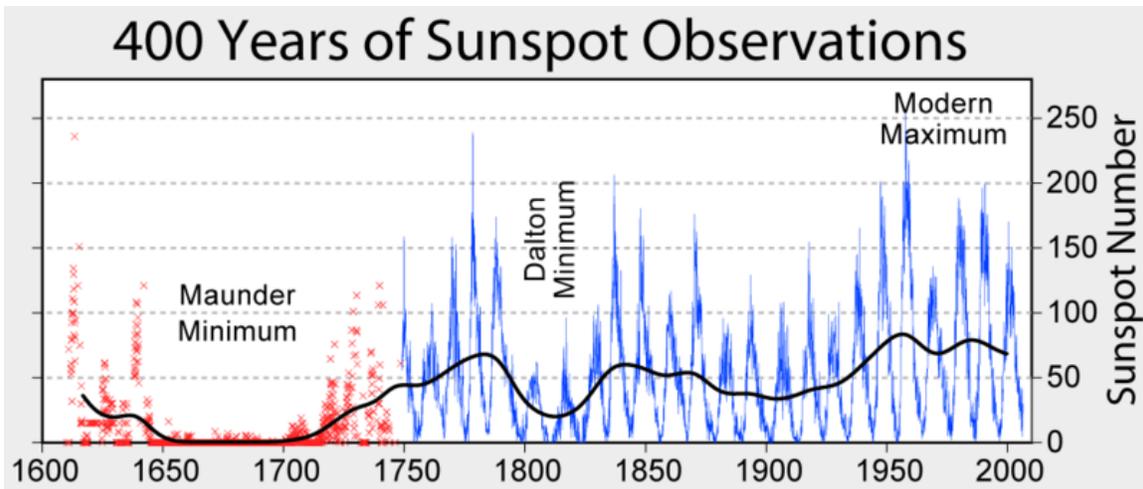


GLOBAL WARMING SOME GRAPS AND FACTS:

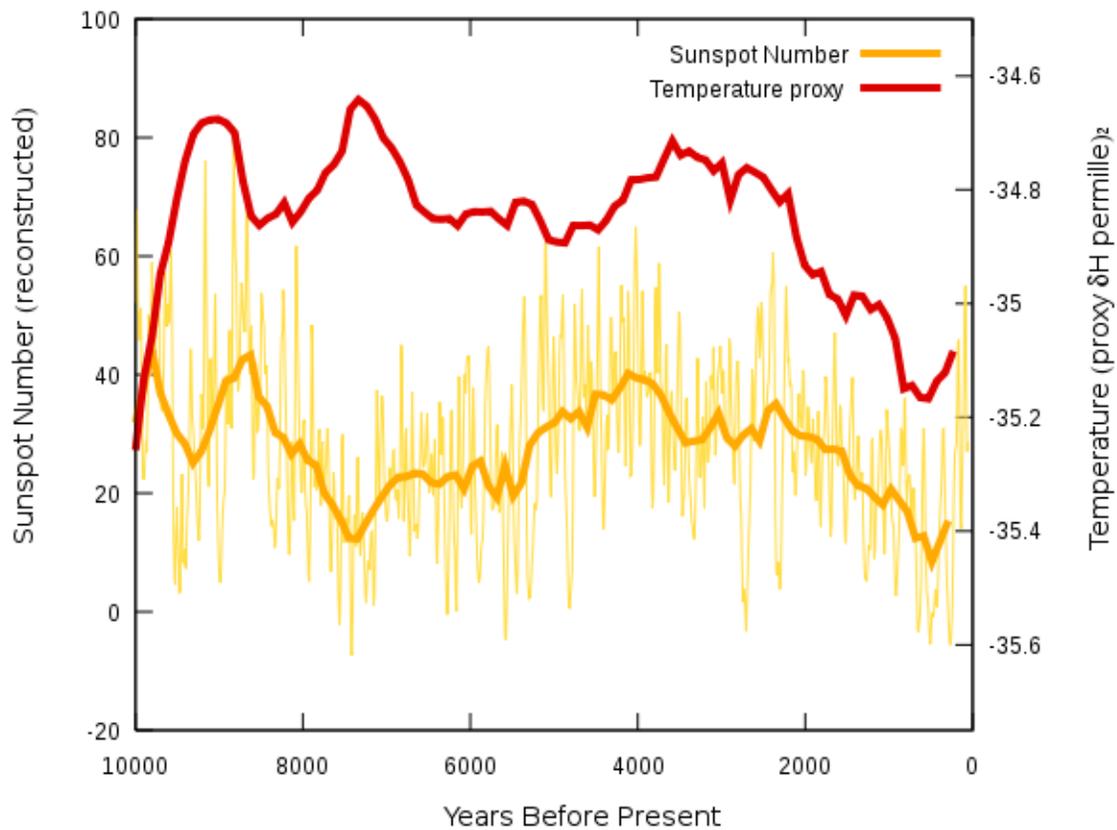
By: Paul Hoiland



Near-global annual-mean temperature change for the period 1880 to 2006 (deviation from the normal period 1951-1980). (Source: NASA Goddard Institute for Space Studies)

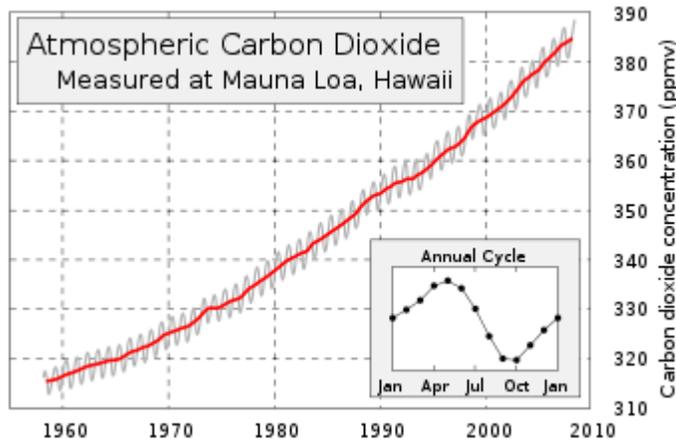


Sunspot Activity and Temperature

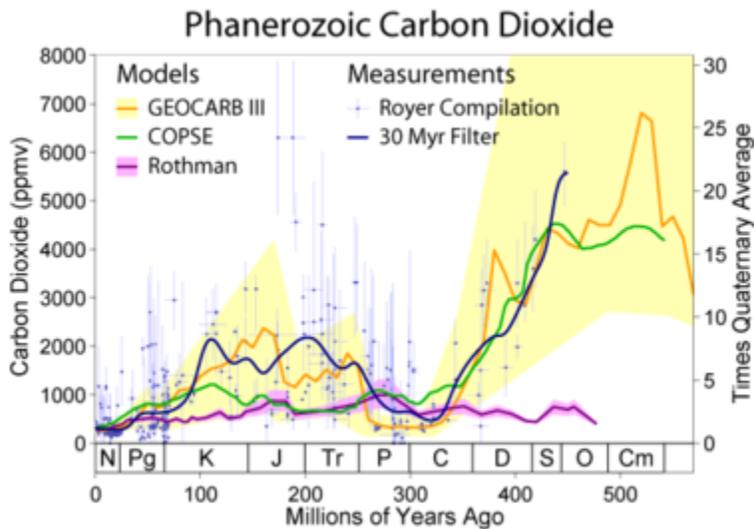


[Sami Solanki](#), the director of the [Max Planck Institute for Solar System Research](#) in [Katlenburg-Lindau](#), Germany said:

The sun has been at its strongest over the past 60 years and may now be affecting global temperatures... the brighter sun and higher levels of so-called "greenhouse gases" both contributed to the change in the Earth's temperature, but it was impossible to say which had the greater impact. "Leidig, Michael (18 July 2004). "[Hotter-burning sun warming the planet](#)". [The Washington Times](#)"



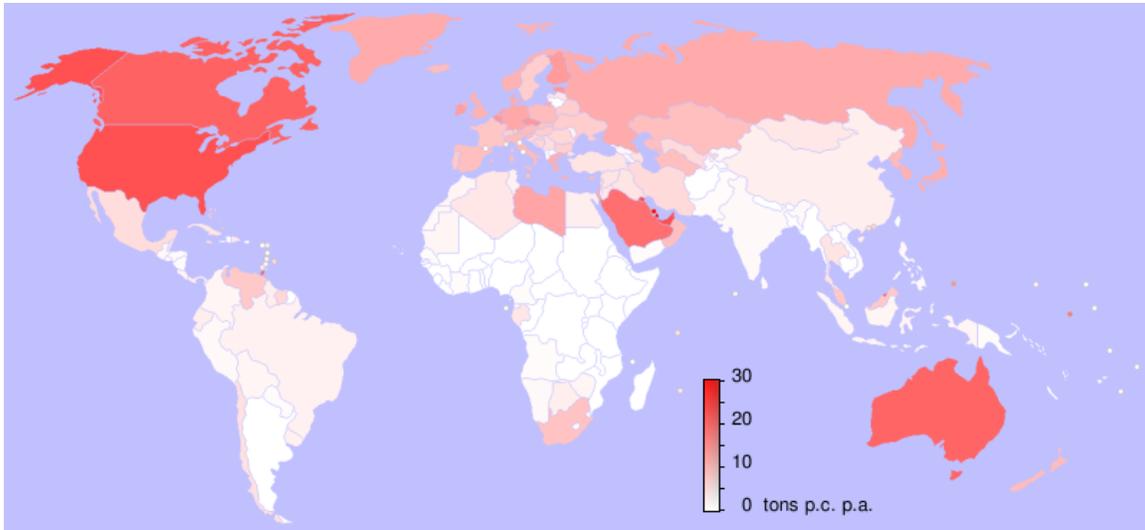
In 2009, the CO₂ global average concentration in [Earth's atmosphere](#) was about 0.0387% by volume, or 387 [parts per million by volume \(ppmv\)](#).”Tans, Pieter. ["Trends in Carbon Dioxide"](#). [NOAA/ESRL](#)”



Carbon dioxide has unique long-term effects on climate change that are largely "irreversible" for one thousand years after emissions stop (zero further emissions) even though carbon dioxide tends toward equilibrium with the ocean on a scale of 100 years. The greenhouse gases [methane](#) and [nitrous oxide](#) do not persist over time in the same way as carbon dioxide. Even if carbon emissions were to completely cease, atmospheric temperatures are not expected to decrease significantly. “Inman, Mason (20 November 2008). ["Carbon is forever"](#). *Nature Reports Climate Change*. [nature.com](#). [doi:10.1038/climate.2008.122](#)”

A fact the Global Warming People do not mention is that to be able to reduce carbon dioxide concentration by [Carbon sequestration](#) back to pre-industrial levels, $(390-280 \text{ ppm})/390 \text{ ppm}/(50\%/100) = 70\%$ of all the CO₂ in the air needs to be removed, where 50% is the percentage of carbon dioxide residing in the atmosphere (and not in the

oceans), removing about $(390-280 \text{ ppm}) / (50\% / 100) = 0.03\%$ of the air would have to be changed over a very short period of time. This is way beyond anything we are capable of at present to achieve even by cutting all manmade output.



CO2 output per country. **State of Qatar** or locally **Dawlat Qaṭar**, is a sovereign Arab state, located in the [Middle East](#), occupying the small Qatar Peninsula on the northeasterly [coast](#) of the much larger [Arabian Peninsula](#). Its sole land border is with [Saudi Arabia](#) to the south, with the rest of its territory surrounded by the [Persian Gulf](#). A strait of the Persian Gulf separates Qatar from the nearby island state of [Bahrain](#) has by far the current highest output of CO2 in the World. Actually if you follow the list downwards America is no where near the top in any respect in part due to cleaner burning engines that have been in development for decades now under EPA rules and in part due to less coal burning, etc. Yes, we continue to put out CO2. But our overall carbon foot print is far better than many Nations across the globe.

The problem is that there is documented proof that CO2 effects global climate. But, there are other factors at play here including natural origins for CO2, Solar output, etc that most of the Global Warming Crowd does not take into account. Secondly, even with drastic cuts across the globe in CO2 output the overall effect on lower temperatures would take far longer to show up than a decade or two. This hidden and not discussed aspect of global warming is the real problem that faces mankind and life on this planet. Basically, no matter what we do we will have to deal with the effects of global warming and learn to adapt which has never been part of the Global Warming Agenda from the start. Most of what the Global Warming people have offered is a knee jerk reaction that does nothing to confront the basic facts that the World is going to warm up. Sure acting in those areas can eventually cause a cool down and does help health wise. But it will not stop the warming trend at all in the near future. Right now economic wise if this country is going to confront head on those effects it needs a growing economy and a Government not in debit which makes at this critical time cutting back on oil production and development out

right illogical at best. Sure work towards a switch over to cleaner forms of energy. But we need a more stable economy to confront this coming danger or else we face possible disaster on a scale this country has never faced before without the funds needed to do so.