

Global Warming and CO₂

Challenging the Cause of Global Warming: Myth vs Reality

The Relationship of CO₂ to Temperature and Climate Change Over Geological Time

A Case Against Mankind's CO₂-Induced Climate Warming Crisis

Presentation by Graeme Phipps to the Societe Jersiaise Geology Group Feb.12, 2025

Global Warming and CO₂

Challenging the Cause of Global Warming: Myth vs Reality

Given my professional background as a geologist and geophysicist, I am aware of prior ice ages, climate change and changing sea levels that occurred throughout geologic history. **I was surprised by claims that mankind was causing a “climate change crisis”.**

This drove me to research this subject in much more detail.

This presentation shows the results of my research obtained from 37 books, 267 articles, 137 videos and 60 well-respected and highly competent scientists and professionals.

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Global Warming and CO₂

Challenging the Cause of Global Warming: Myth vs Reality

These **results are contrary** to what is being said in mainstream media

“The most difficult subjects can be explained to the most slow-witted man if he has not formed any idea of them already, but **the simplest thing cannot be made clear to the most intelligent man if he is firmly persuaded that he knows already, without a shadow of a doubt, what is laid before him**”. Tolstoy

I encourage you to listen with an open mind.

[Graeme Phipps Climate Change Presentation](#)

Climate Crisis Scam <https://youtu.be/aT2SvIAkE5s>; Gregory Wrightstone

[It Is Easy Going Green](#) [The value of added CO₂](#)

Cause of climate change <https://www.youtube.com/embed/1Mj16tiUyl4>

https://youtu.be/oModxLDUcoc?si=gqgEgruSRWhBl_hq Net Zero is Dying Jacob Rees- Mogg

Climate The Movie <https://www.youtube.com/watch?v=A24fWmNA6IM>

Joe Rogan interview with Dr. William Happer and Dr Richard Lindzen https://www.youtube.com/watch?v=Zt32chvO_iY

short interview clips <https://youtu.be/6bJsWeoNjmg> <https://youtu.be/zJng54iRhCM> <https://youtu.be/mdIGiBEBaQA>

short interview clips <https://youtu.be/fPWU23gzPSO> <https://youtu.be/uV61bIEEbzM> <https://youtu.be/lRWQ32FGX8o>

Global Warming and CO₂

CO₂ and Climate Crisis Findings: Myth vs Reality

“The Science” doesn’t support a CO₂ Climate Crisis:

Carbon dioxide has two relevant properties: as a creator of food and oxygen, and as a greenhouse gas

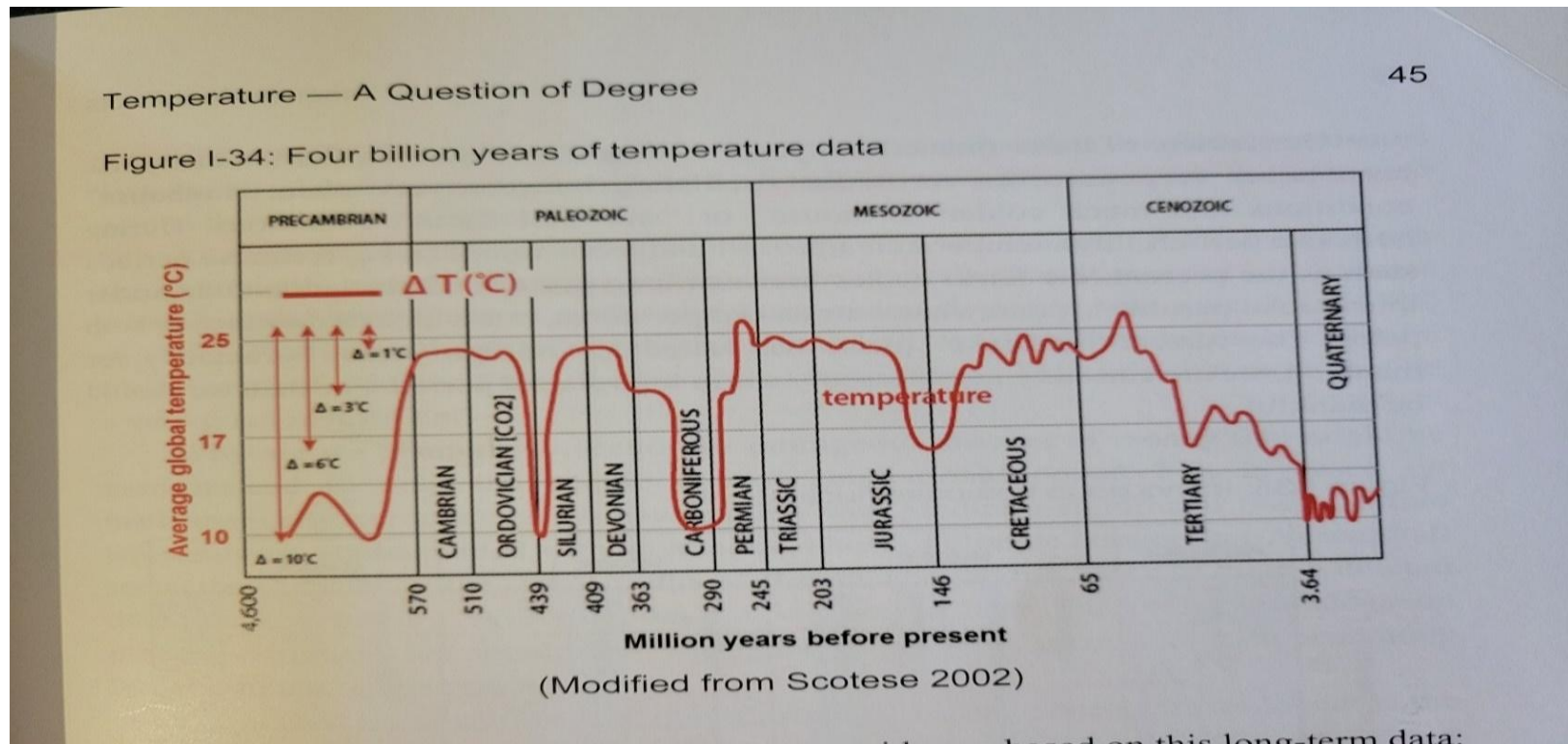
- 1) Global Warming is happening, but this is normal and has been happening throughout geologic history.**
- 2) Warmer temperatures are good**
- 3) More CO₂ is good**
- 4) Global Warming is not caused by increased CO₂, which has only a very minor and ever-decreasing impact**
- 5) We are not in a “Climate Crisis”**
- 6) The Science is not “Settled”**

1) Warming temperatures are not unusual

The Earth's temperature changed significantly over last 600 million years

- Changing temperature is a natural phenomenon.
- Over most of recorded geologic history, temperatures were much higher than at present time.

Temperature Changes Over 600 Million Years of Geologic History



Reference book: Inconvenient Facts page 45 Source: Modified from Scotese 2002

Source: www.climate.gov/news-features/climate-qa/whats-hottest-earths-ever-been

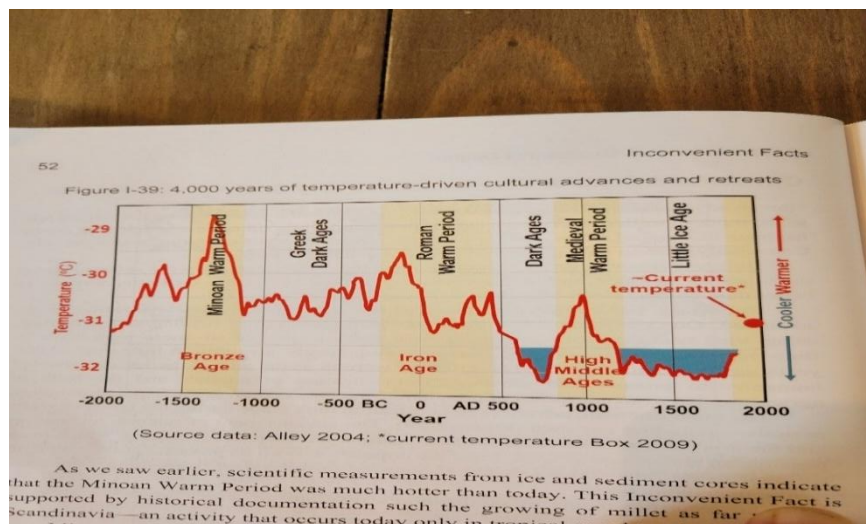
Paper: An Assessment of the Conventional Global Warming Narrative. Dr. Richard Lindzen Published by the Global Warming Policy Foundation Sept. 22, 2022

2) Warmer temperatures are on balance good 4000 years of temperature-driven cultural advances and retreats

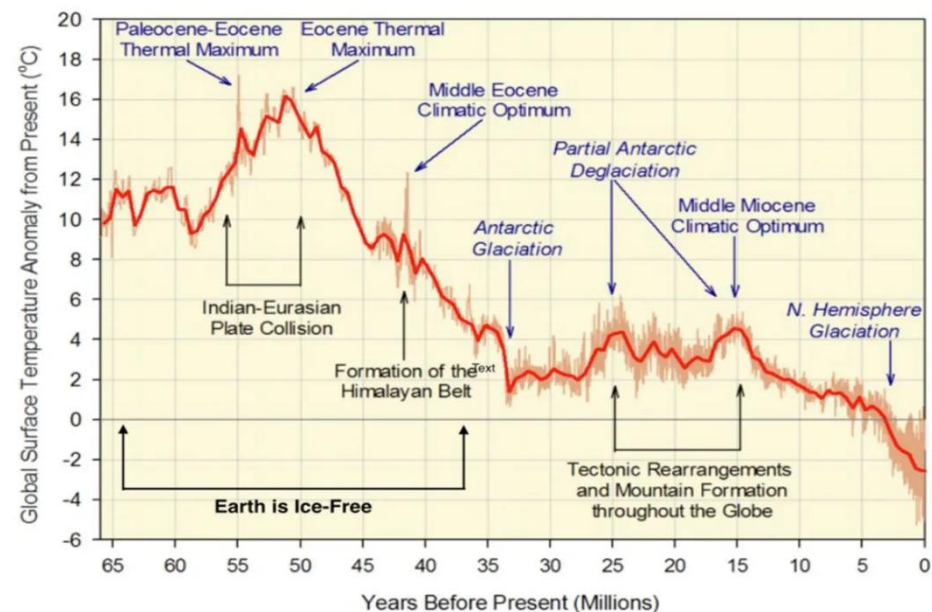
- Mankind thrived under warmer temperatures and suffered during cold spells.
- Minoans prospered during the warm **Bronze Age** and barely survived during the colder Greek Dark Age.
- Civilization flourished during the **Roman Warm Period**, when the Romans were growing grapes in **Scotland**, followed by the colder, devastating **Dark Ages**
- The **Medieval Warm Period** saw civilization advance with positive living conditions.
- The **Little Ice Age** brought hardships, including crop failures, famine and population decline.
- These warm periods, when mankind thrived, were all higher by 0.5 to 2 ° C than today's temperature

4000 Years of Temperature-Driven Cultural Advances and Retreats.

Global Temperature for the past 65 million years



Reference book: Inconvenient Facts



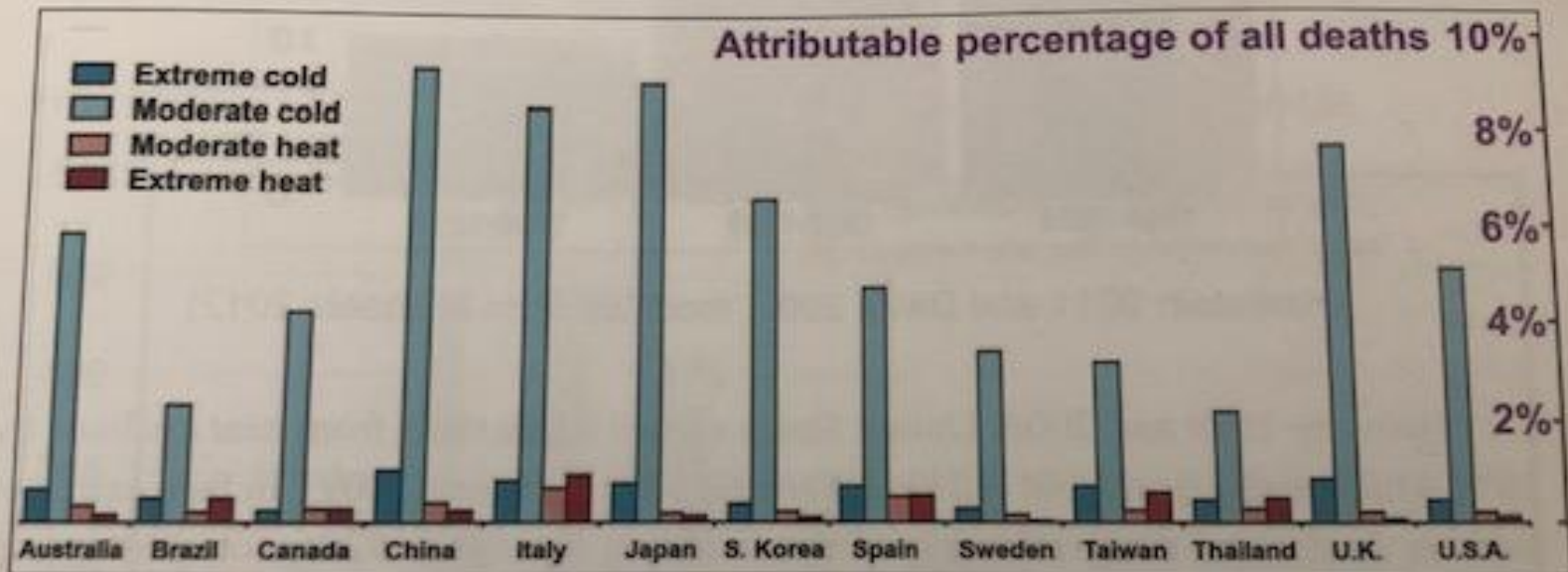
2) Warmer temperatures are on balance good

Deaths from cold temperatures are much greater than from warm temperatures*

- Four to five times more people have died related to cold temperatures than warm temperatures.

Higher Percentage of Global Deaths Attributed to Cold Vs Warm Temperatures (1985 – 2012)

Figure II-20: Cold weather, not hot weather, is the real killer.



(Gasparrini 2015)

2) Warmer temperatures are on balance good

Human crises were much higher during the period of a deteriorating, colder climate
Historically, mankind thrived under warmer temperatures and suffered during cold spells.

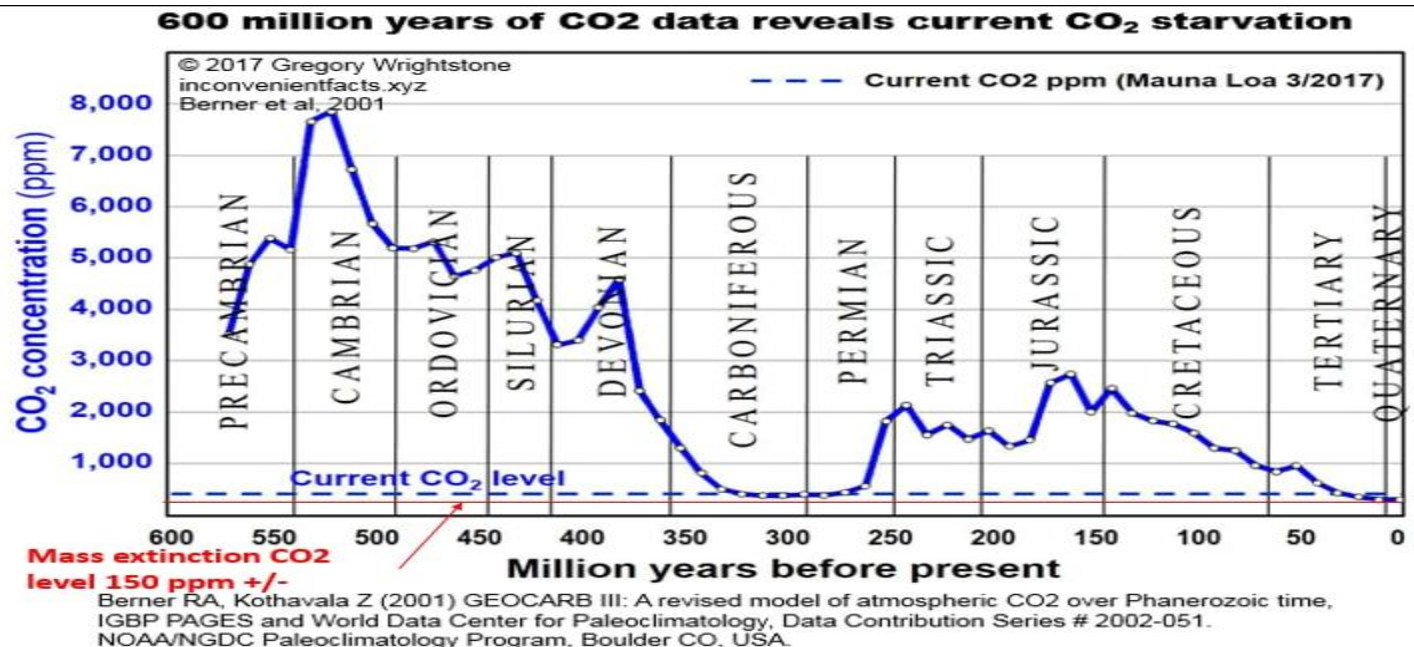
Historically, War Occurrences Correlate with Periods of Cold Climate

- In the pre-industrial period, the main source of livelihood was agriculture; traditional agriculture was very much dictated by the whims of climate and weather conditions; any deterioration of climate would trim agricultural production; yield reduction would trigger famine, tax revolt, and a weakening of state power; the deficit in livelihood resources was aggravated by the population expansion accumulated in the previous favorable climate.
- Six major cycles of cold and warm phases were identified between AD 1000 and 1911.
- **Cold:** AD 1110–1152, 1194–1302, 1334–1359, 1448–1487, 1583–1717, and 1806–1911
- **Warm:** AD 1000–1109, 1153–1193, 1303–1333, 1360–1447, 1488–1582, and 1718–1805
- Analysis of the global correspondence of **wars and climate post year 1000 indicates cold periods were much more dangerous than warm:** the number and ratio of wars in the mild eighteenth century were the lowest compared with other centuries; the worldwide war ratio during cold centuries was 1.93 times greater than that of the mild eighteenth century, and 1.77, 1.91, 1.50, and 2.24 times greater for the Northern Hemisphere, Asia, the arid areas of the Northern Hemisphere, and Europe, respectively.
- **Cold periods relate to the two crises** in Europe, the Middle Ages and the 17th century ones, and to the 1,679 wars in China during the period AD 1000–1911, including 682 rebellions. Of the six cold phases in China, five experienced dynasty collapse. Eight of the ten war peaks coincided with cold phases. All cold phases had one or two war peaks.

3) Higher CO₂ levels are not unusual and are good for plant life

Global CO₂ levels changed dramatically over the last 600 million years

- CO₂ levels have been much higher throughout geologic time.
- CO₂ highs in the Jurassic time of dinosaurs were about 2,800 ppm (7 times higher than today) and nearly 8,000 ppm in the Cambrian period when recorded life began on Earth. Today's CO₂ concentration is 420 ppm
- Concentrations up to 1,000ppm are common and safe in classrooms and large public indoor gatherings.
- US Navy submariners breathe 3000 to 5000 ppm of CO₂ for 3-month tours with no health impact



Reference book Inconvenient Facts page 16p

Source: Berner 2001 ; data also available from GEOCARB III; Carbon Dioxide Poisoning 2005 Nigel Langford COPSE MODELS and Royer compilation; Carbon Dioxide Poisoning Nigel Langford

Reference: Book: Unsettled What Climate Science Tells Us, What it Doesn't and Why It Matters Steven E. Koonin

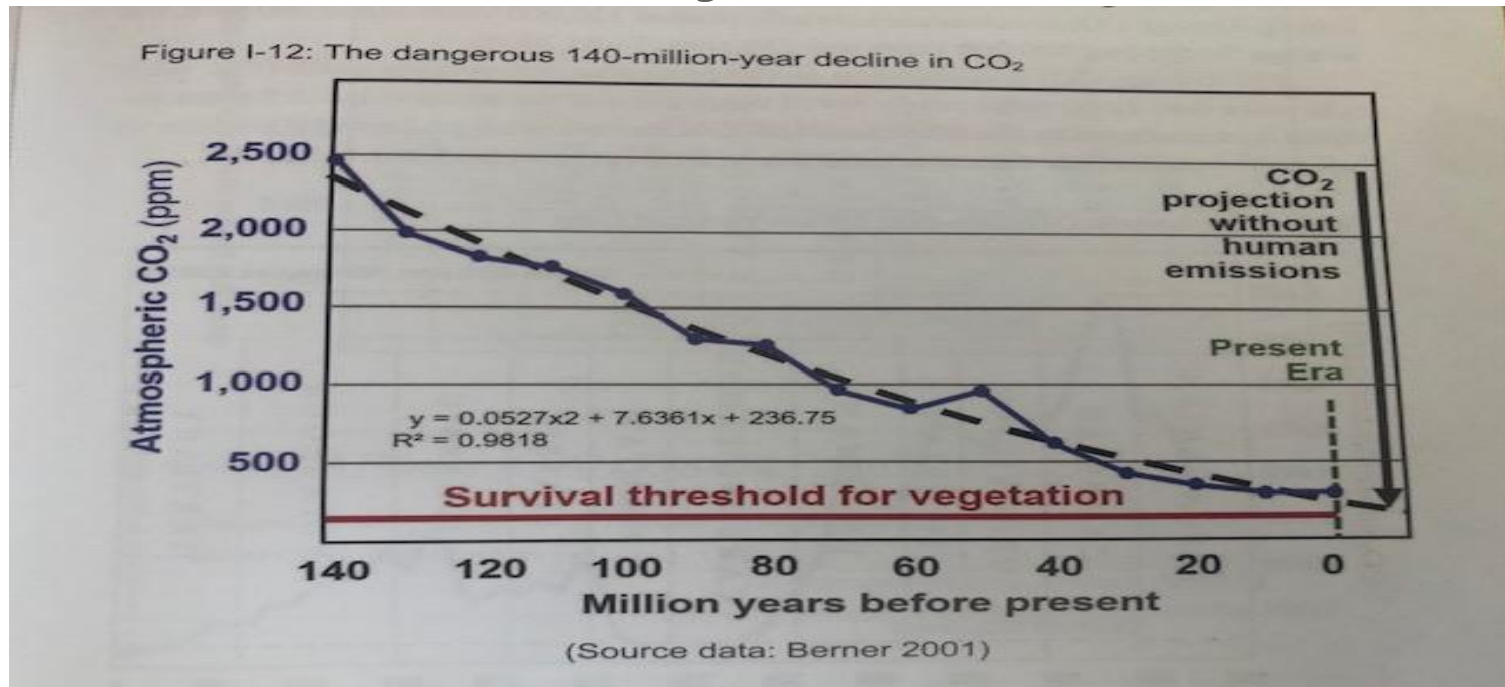
<https://www.instagram.com/reel/DQtkpoBjzAT/?igsh=MTg5NHfMXV5dWF6ag==>

3) Higher CO₂ levels are not unusual and are good for plant life

CO₂ levels decline over last 140 million years close to level needed for plant survival

- Over the last 140 million years, CO₂ levels have dropped to a recent low of 180 ppm.
- A further 30 ppm decline in CO₂ would bring about the end of plant life.
- Mankind's CO₂ emissions have reversed this trend, bringing CO₂ levels up to 420 ppm.

CO₂ Levels Declining Over Last 140 Million Years



Reference book: Inconvenient Facts page 15

Source data: Berner 2001

[Dr. Patrick Moore - A Dearth of Carbon? – YouTube](#)

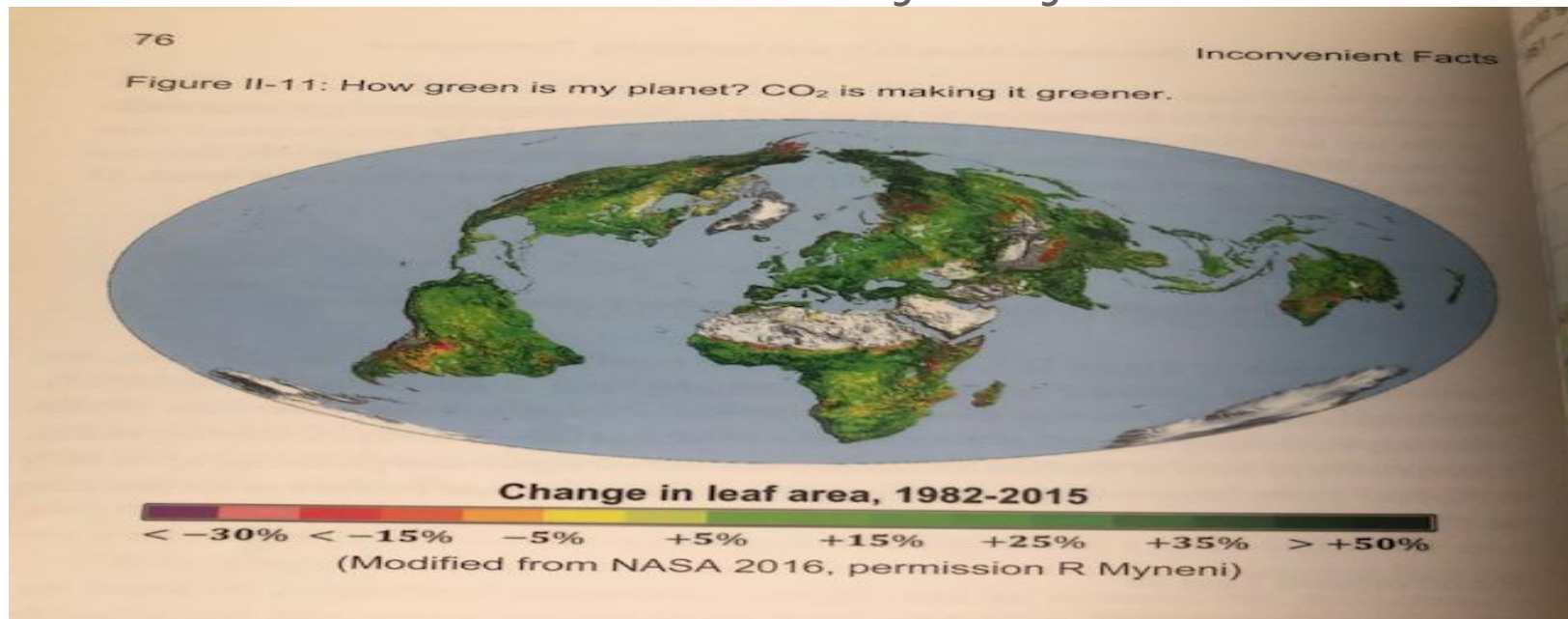
https://youtu.be/pHCCE-sw_Sc William Harper discussion on CO₂

3) Higher CO₂ levels are good for plant life

Between 1982 to 2015 the world has been greening with increases in CO₂

- More CO₂ has resulted in more rapid plant growth with significant greening.
- Increased CO₂ levels mean plants require less water to grow.
- NASA satellite images show vast regions with increased growth due mainly to higher levels of CO₂
- . Since 1980, the semi-arid areas have greened by 40%
- Temperate and Arctic regions are affected much more than tropical areas

Increases in Leaf Areas between 1982 -2015



Reference book: Inconvenient Facts page 76, 213

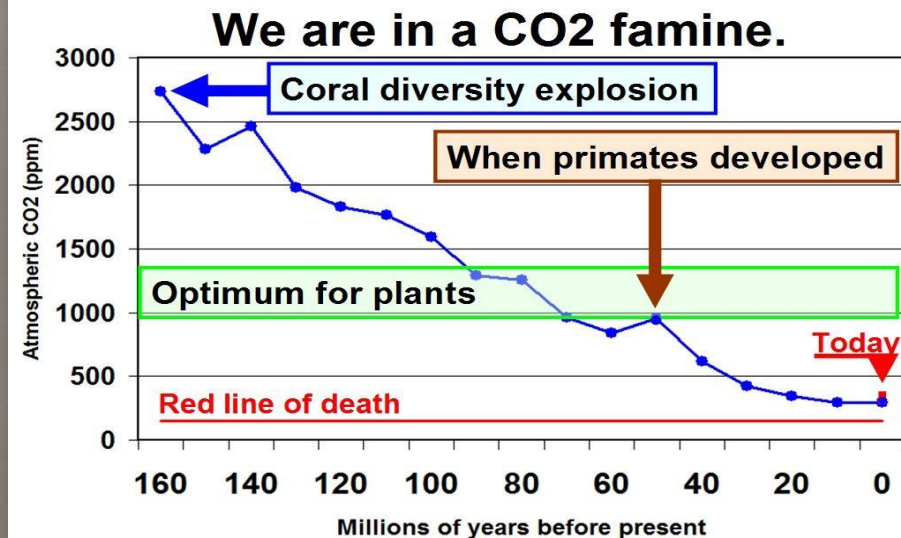
Source: Modified from NASA 2016, permission R Myneni

Reference book: Cool It Page 12; <https://youtu.be/M8iEE02UlbA> William Happer

3) Higher CO₂ levels are good for vegetation

Test shows improved tree growth with higher CO₂ levels

- Greenhouse gases keep the world warm; they absorb heat and radiate it back to Earth, warming the surface and atmosphere; humans could not exist on Earth without this warming effect.
- When CO₂ increases, plants thrive, becoming larger and able to absorb more CO₂.
- These trees were grown under the same conditions except with varying CO₂ atmosphere levels.
- A standard procedure for greenhouse growers is to increase the level of CO₂ to 800 to 1,200 ppm.
- Improving Tree Growth With Increasing CO₂ Levels Optimum plant growth CO₂ levels 1000 – 1400ppm



Reference book: Fake Invisible Catastrophes and Threats of Doom page 54

<https://youtu.be/PbIYr-KjOVY>

[Trees Get Bigger Around the World Thanks to Higher CO₂ Levels](https://www.nbcnews.com/world/latin-america/amazon-rainforest-giant-trees-bigger-carbon-dioxide-climate-change-rcna234064)

<https://www.nbcnews.com/world/latin-america/amazon-rainforest-giant-trees-bigger-carbon-dioxide-climate-change-rcna234064>

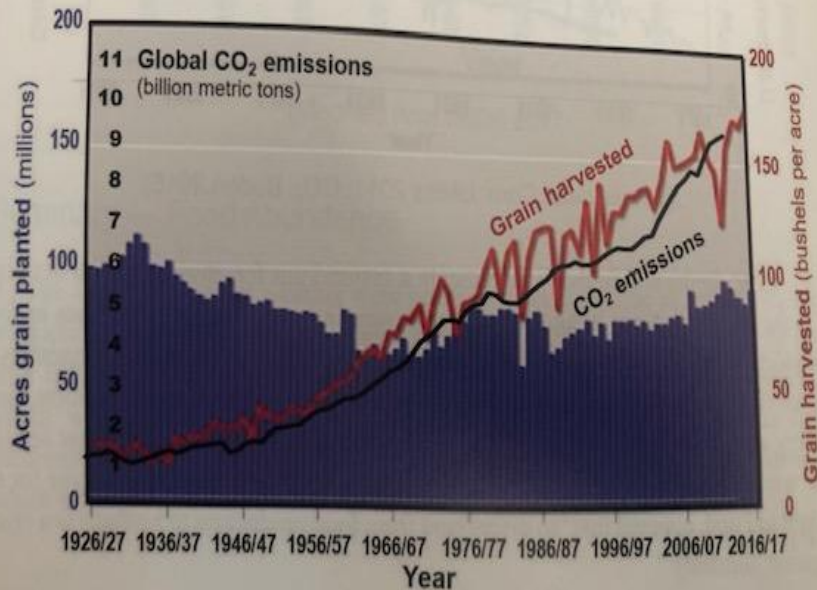
3) Higher CO₂ levels are good for plant life

Crop yields and per-acre crops improved with higher CO₂ and temperature levels

- CO₂ works as an aerial fertilizer. Increases in CO₂ benefit crop production.
- Global warming lengthens growing seasons, reduces frost events and adds available farmland

Increases in Bushels of Grain Harvested Worldwide Higher Crop Yields With Increasing CO₂

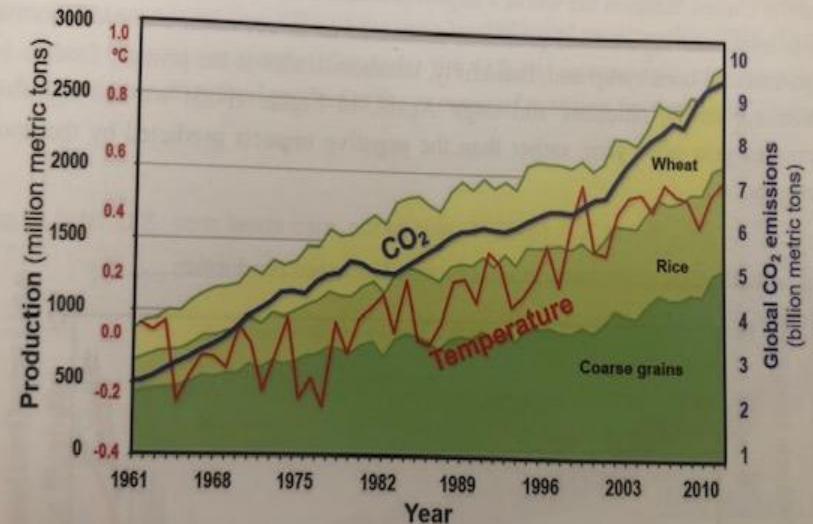
Figure II-14: Bushels of grain per acre harvested worldwide, 1936/37 – 2016/17



(Acres planted and grain: USDA 2017, CO₂: Boden 2016)

Famine: The Best Solution is More CO₂ and Increasing Temperature

Figure II-13: World grain production, CO₂ concentration and temperature, 1961 – 2014



(Source data: grain: UN FAO 2017, CO₂: Boden 2016, temperature: HadCRUT4 2017)

[It Is Easy Going Green](#) The value of added CO₂

Reference book: Inconvenient Facts page 77, Climate at a Glance page 6,7

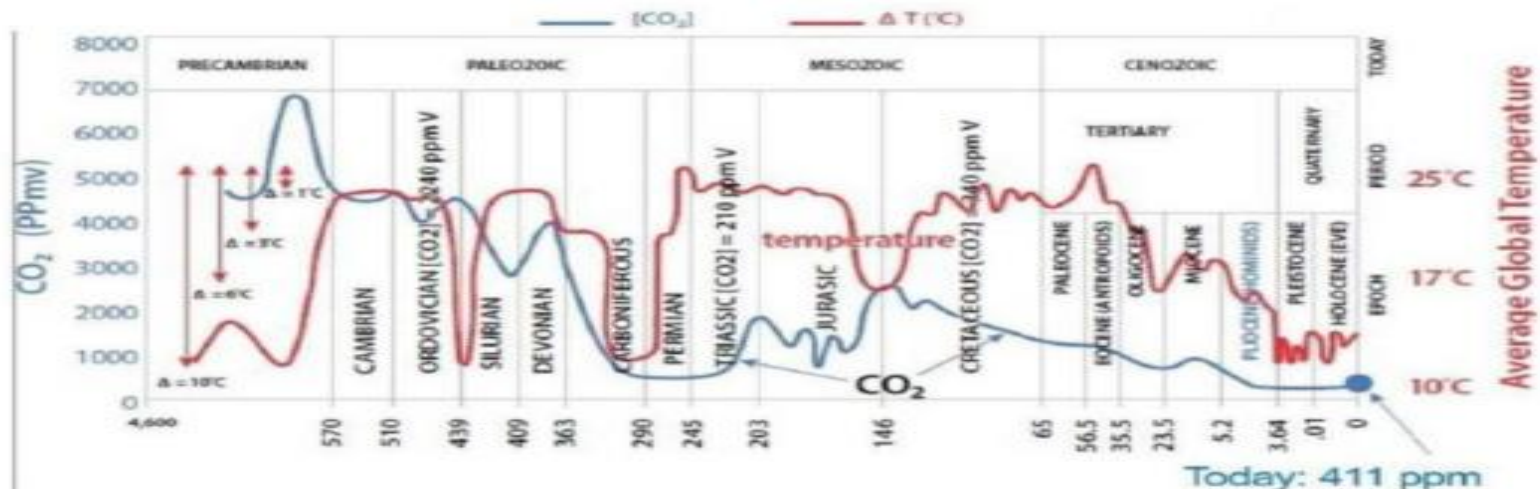
Source: Acres planted and grain USDA 2017, CO₂ Boden 2016

4) Global Warming is not caused by increased CO₂

Temperature and CO₂ changed independently over the last 600 million years

- There is no correlation between changing CO₂ levels and changing temperatures over geologic time.
- For example, CO₂ values peaked at more than ten times the current levels 150 million years ago in direct contrast to dropping temperatures
- Temperatures then began a long, gradual decline, while temperatures remained flat till 50 million years ago, when temperatures also began declining (much later than dropping CO₂)

Geological Timescale: Concentration of CO₂ and Temperature fluctuations



1- Analysis of the Temperature Oscillations in Geological Eras by Dr. C. R. Scotese © 2002. 2. Ruddiman, W.F. 2001. *Earth's Climate: past and future* W.H. Freeman & Sons. New York, NY. 3 - Mark Pagani et al. *Marked Decline in Atmospheric Carbon Dioxide Concentrations During the Paleocene*. *Science*, Vol. 309, No. 5734; pp. 600-603. 22 July 2005. Accessed on 07 July 2008 (CO₂: Ordovician Period).

Reconstructed atmospheric carbon dioxide concentrations (Berner, 2001) & global mean surface temperature (Scotese, 1999) over the last 550 million years.

Reference book: Fake Invisible Catastrophes and Threats of Doom page 38

Reference book The Real Inconvenient Truth page 77, 81

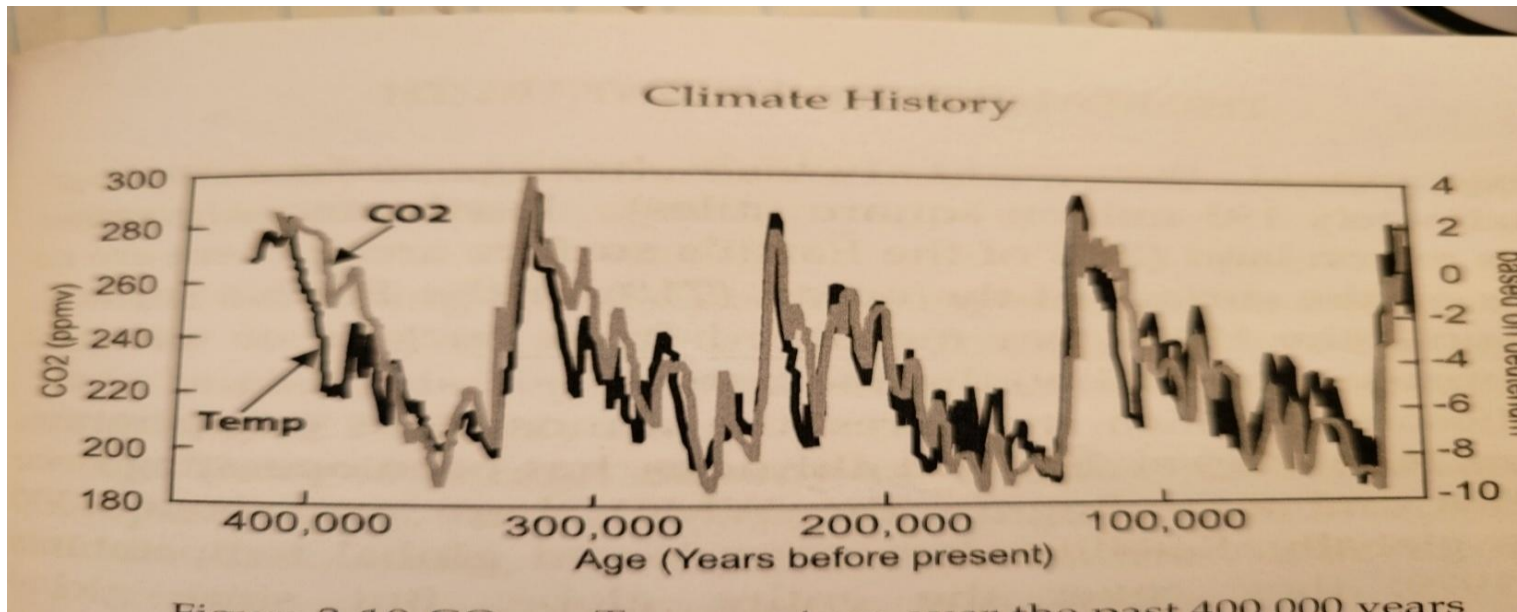
[What's the hottest Earth's ever been? | NOAA Climate.gov](http://www.noaa.gov)

4) Global Warming is not caused by increased CO₂

Glacier cores show temperature changed before CO₂ changed*

- Changing glaciation periods are tied to changes in Earth's orbit and have occurred over the last 800,000 years
- As seen in historic ice records, **CO₂ increases occur in response to temperature increases** (650 to 6000 years later) and therefore cannot cause these preceding temperature increases (Malkovich cycles based on Earth's orbit changes)
- As temperature increases, oceans release CO₂ into the atmosphere.* **Henry's Law: warming water holds less gas.**

CO₂ vs Temperature Over the Past 400,000 Years



Reference book: The Inconvenient Real Truth pages 80, 81

Source Adapted from U.S. Dept. of Energy: No one has shown human emissions of CO₂ drive Global warming

<https://www.facebook.com/share/19rXoXP3Wa/> <https://www.facebook.com/share/19rXoXP3Wa/>

<https://chatgpt.com/share/67a1d406-e52c-8005-b686-261a8b0e9faa>

[The Truth about Atmospheric Carbon Dioxide with Dr. Matthew M. Wielicki](#)

* Try an experiment: Fill 2 glasses with soda water, put 1 in fridge and 1 in a warm room – drink and see the differences in fizziness

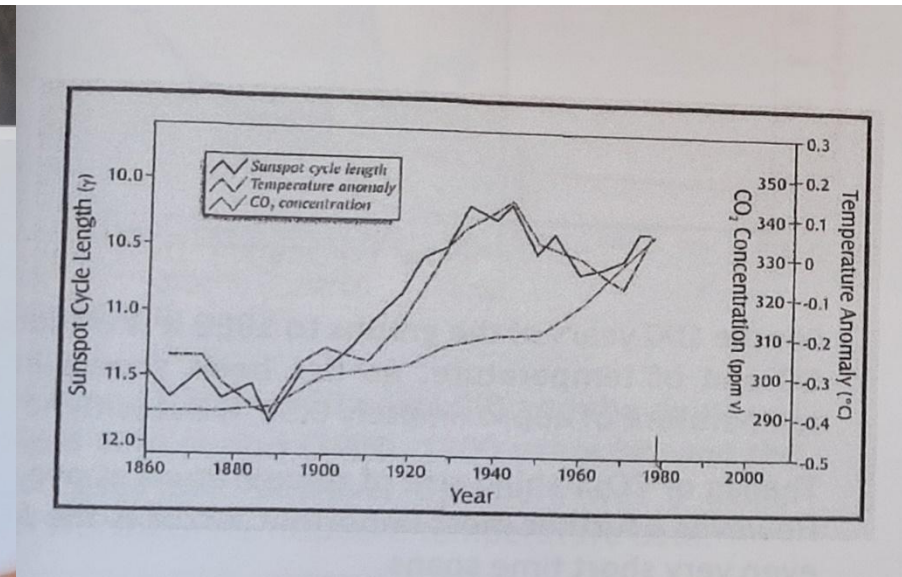
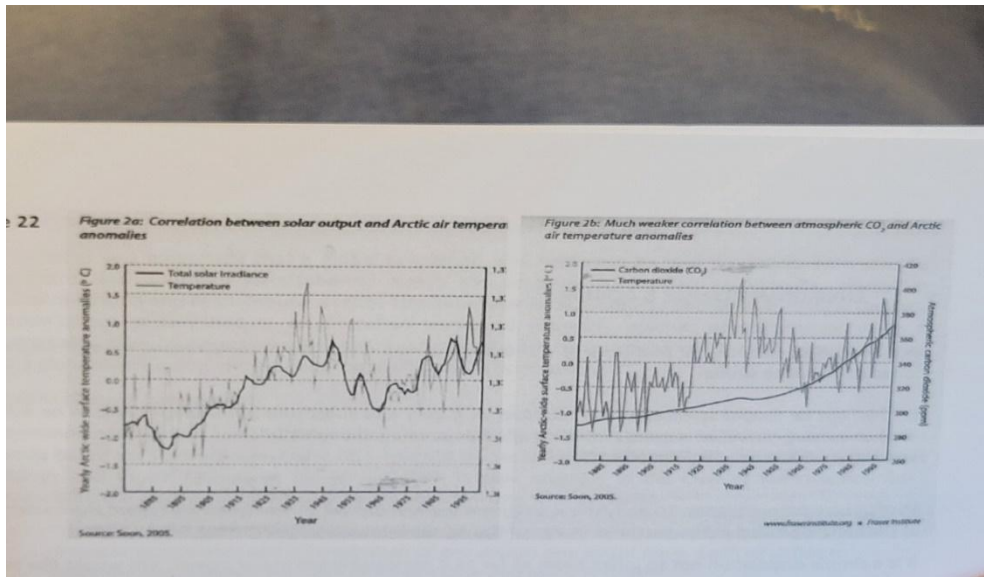
4) Global Warming is not caused by increased CO₂

Temperature changes correlate with Sun Spot changes and not with CO₂ changes

- There is no correlation between recent temperature increases and CO₂ concentrations.
- There are large and persistent correlations between solar activity and climate variations.

Arctic Temperature, Solar Irradiance and CO₂

Solar Activity, Temperature and CO₂



Reference book: Climate All Is Well, All Will Be Well page 28, 29

Source: Soon, 2005; www.fraserinstitute.org

[Henrik Svensmark & Nir Shaviv - How the sun regulates our climate – YouTube](#)

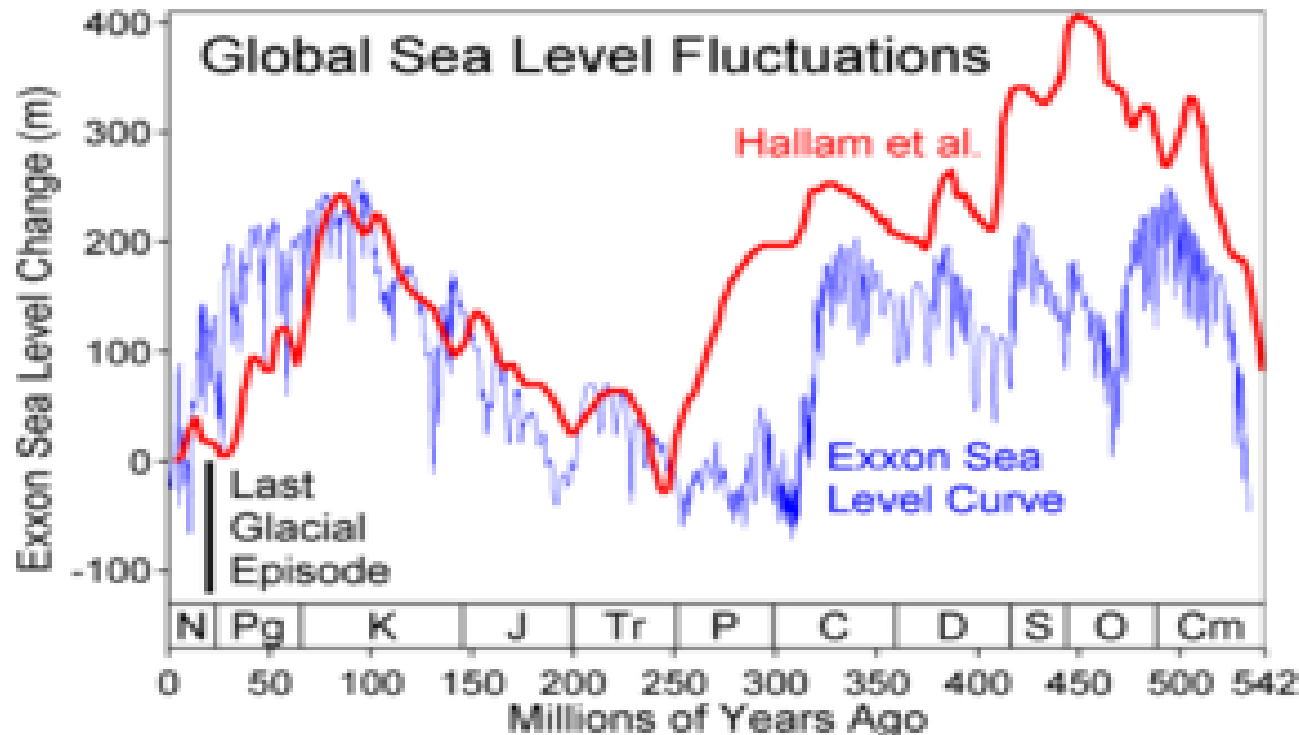
[info/global-warming-is-caused-by-the-sun-not-co2/](#)

33 points proving 'Global Warming' is caused by the Sun and not CO₂ by Dr. Roger Higgs

4) Global warming is not caused by increased CO₂ - Sea Levels

Sea level has changed significantly over the last 542 million years*

- Global sea level has continually changed over Earth's history
- The main factors affecting sea level are the amount of available water, including water taken up as ice caps and the shape and volume of the ocean basins.



- Geologists have used this global sea level change information to assist their exploration efforts.

Source: Wikipedia, Peter Vail publications

Source: Heaven and Earth, Global Warming and the Missing Science Plimer 2009

4) Global Warming is not caused by increased CO₂ – Sea Levels

Evidence of Jersey's lower sea levels: dolmens and petrified wood remains on present day beach sites

- Over 7,000 years ago, the sea level in Jersey was much lower. At that time, when mankind was building dolmens, Jersey was connected by a land bridge to France
- Similar dolmens are also present east of Jersey on mainland France.
- The presence of petrified trees from an ancient forest along St Ouen's beach also proves that forested land existed where now, with a higher sea level, a coastal beach is present.

6000 year Old Neolithic Dolmen at St Martin, Jersey

St Ouen's Petrified Forest Remains

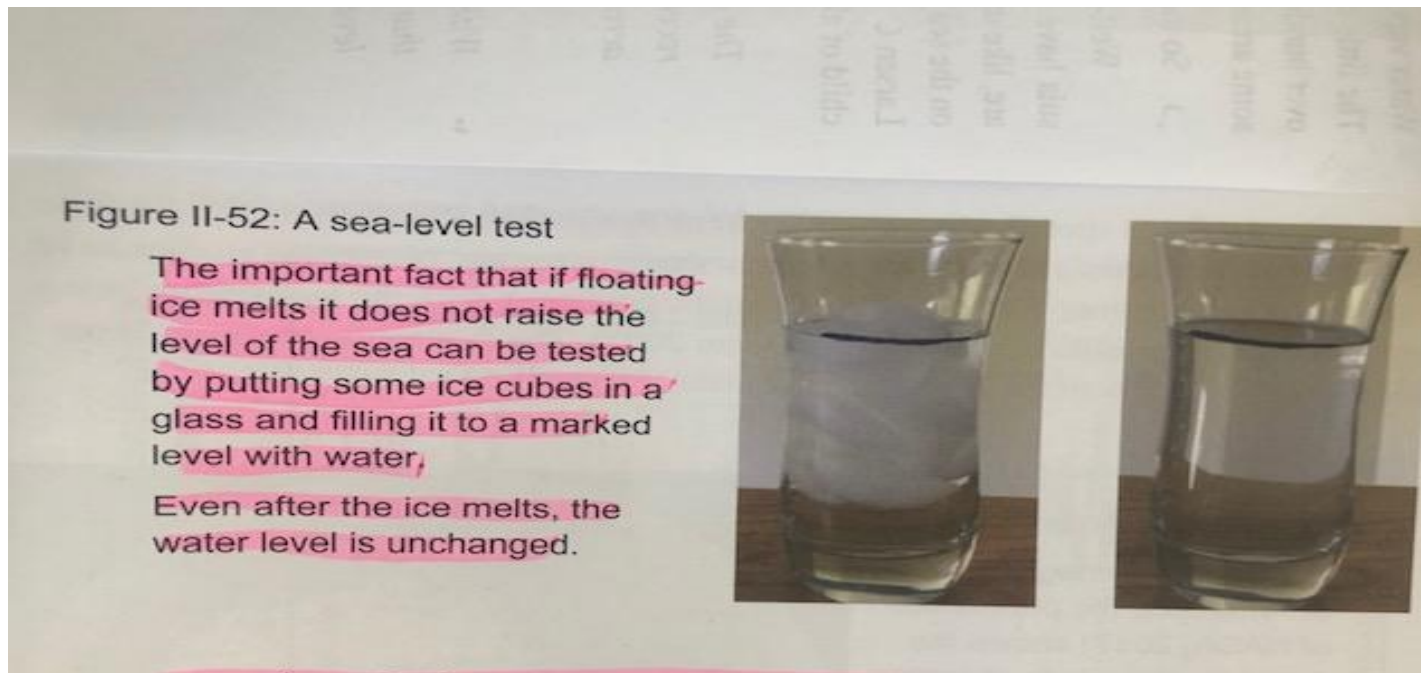


4) Global warming is not caused by increased CO₂ - Sea Levels

Experiment shows water level doesn't change from melting ice in water*

- When ice in a glass of water melts, there is no change in water level. The ice cube displaces its own weight in the underlying water. The water level remains constant when the ice melts because the melting process replaces the water that has already been displaced by the ice. This effect is known as **Archimedes' principle**.
- Melting the remaining polar ice caps that float on water will not impact sea levels; **only melting the remaining ice on land can raise sea levels.**

Water Level Test: Ice in Water and Melted Ice – No Change in Water Level

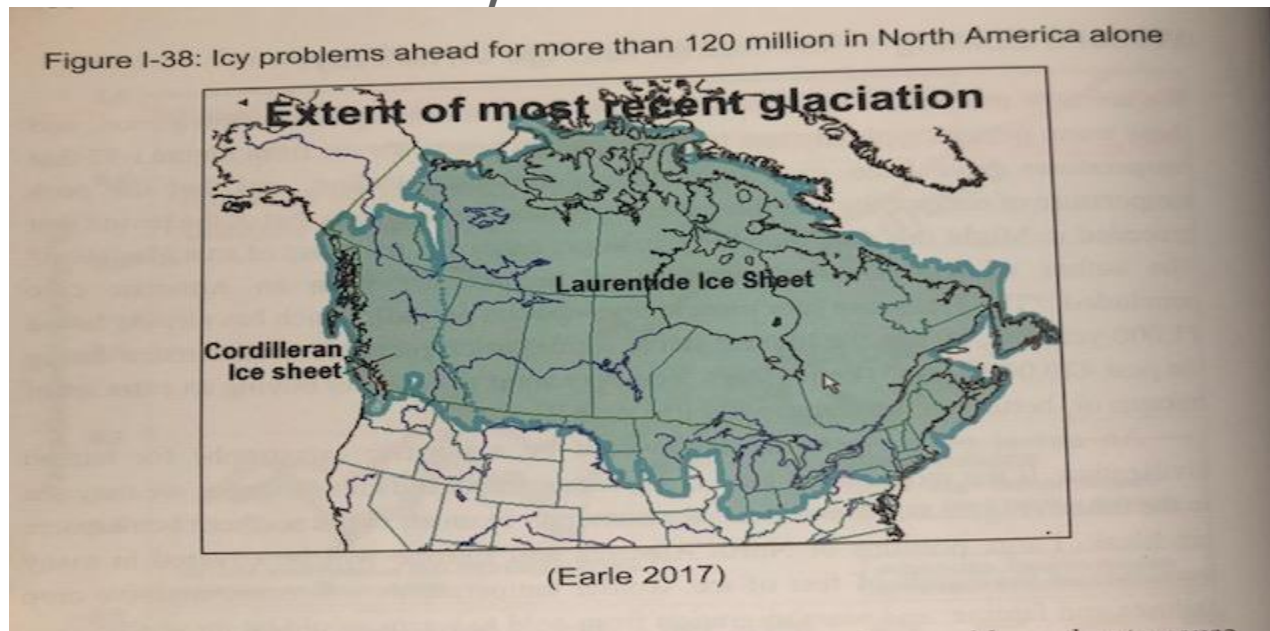


4) Global warming is not caused by increased CO₂ - Sea Levels

This map shows the extent of the most recent glaciation over North America

- Following glaciation, **sea level rise was due to the ice melting.**
- **Most of North America's large ice cap has now melted** and resulted in a previously experienced rapid rise in sea level.
- Only Greenland, Iceland, Alaska, Canada and Siberia now contain glaciers in the Arctic region.
- The remaining global **ice caps on land are now much less, with correspondingly less impact.**

Extent of Most Recent, Melted North America Glaciation



Reference book: Inconvenient Facts page 50

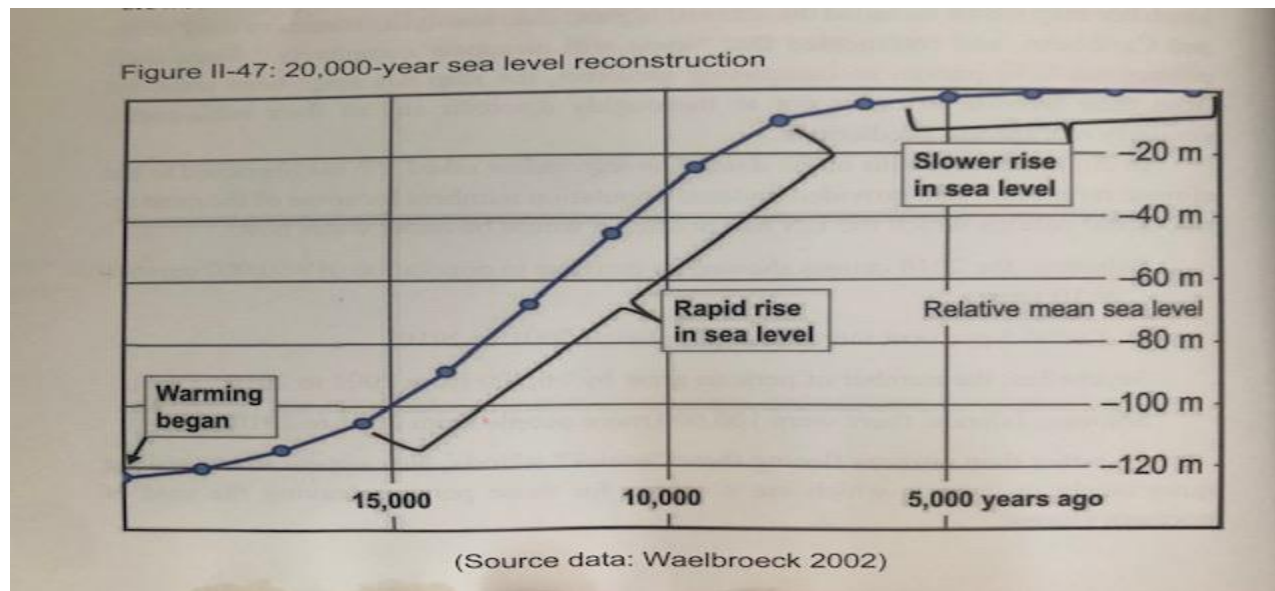
Source: Earle 2017

4) Global warming is not caused by increased CO₂ - Sea Levels

Graph showing stages of sea level rate changes through melting ice cap over the last 20,000 years

- Over the last 6 million years, the primary driver of sea level changes was periods of glaciation, which locked up huge amounts of water, drawing down sea levels, followed by periods of melting and rising seas. Warming with ice melting resulted in rising sea levels.
- As the remaining ice on land is reduced, the sea level rise impact is also reduced.

2000-Year Sea Level Reconstruction



Reference book: Inconvenient Facts page 114

Source: Waelbroeck 2002

4) Global warming is not caused by increased CO₂ - Sea Levels

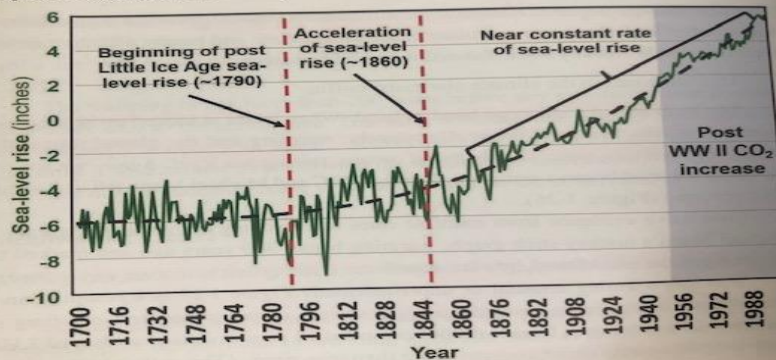
The rate of sea level rise between 1700 and 2000 did not change with increasing CO₂

- From 1898 to 1998 sea level has risen 20 cm, which is the same rate (20 cm per 100 years) over the previous 100 years.
- There was no change in the rate of sea level rise with more recent CO₂ increases.
- The rate of glacier shortening and ice melting has also remained constant since about 1825 and shows no impact due to recent, higher CO₂ levels.

200 Years of Constant Sea Level Rise

Sea Level Rise 1700 – 1988

Figure I-26: Greater than 200 years of sea-level rise

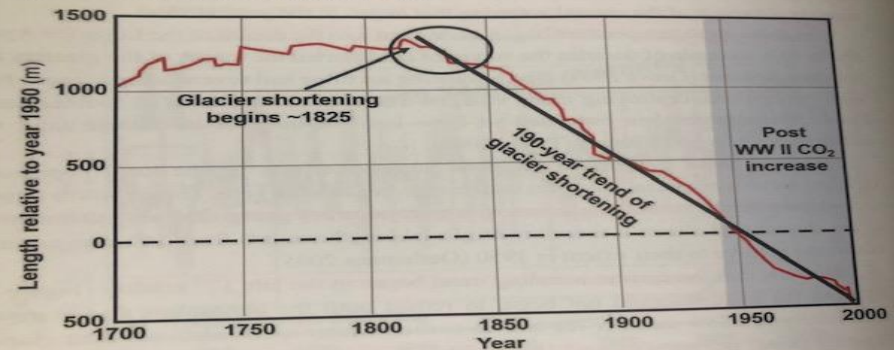


(Source data: Jevrejeva 2008, PSMSL 2008)

200 Years of Constant Glacial Retreat

200 Years of Constant Glacial Retreat

Figure I-25: 200 years of glacial retreat



(Source data: Oerlemans 2005)

Reference book: Inconvenient Facts

Source: Jevrejeva 2008, PSMSL 2008

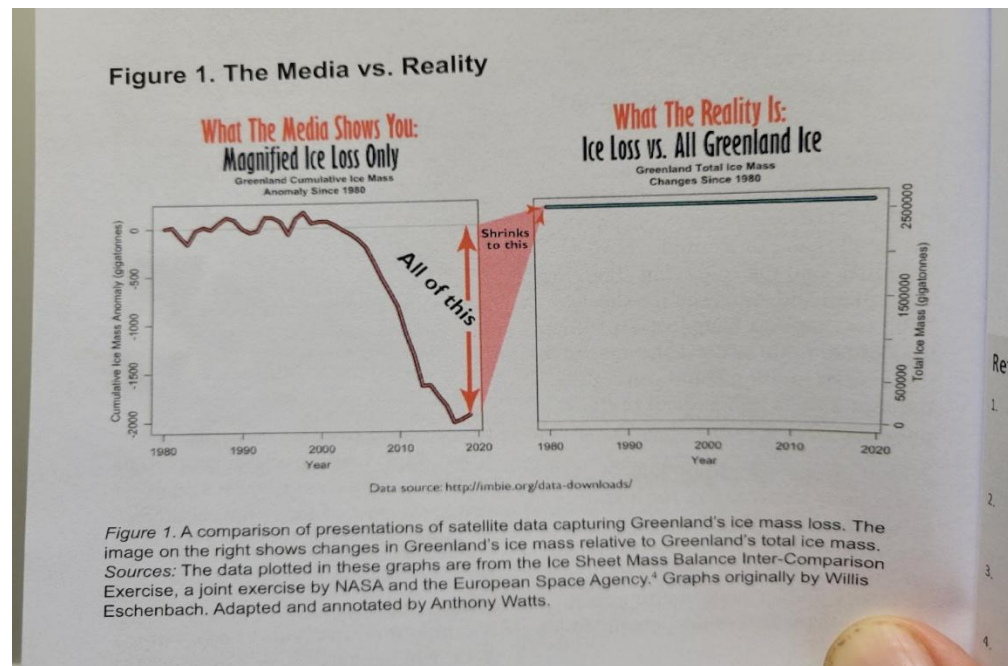
Video Ivan Giaever: <http://www.foreignpolicyjournal.com/2016/01/01/nobel-laureate-ivar-giaever-on-climate-change/>

4) Global Warming is not caused by increased CO₂ - Sea Levels

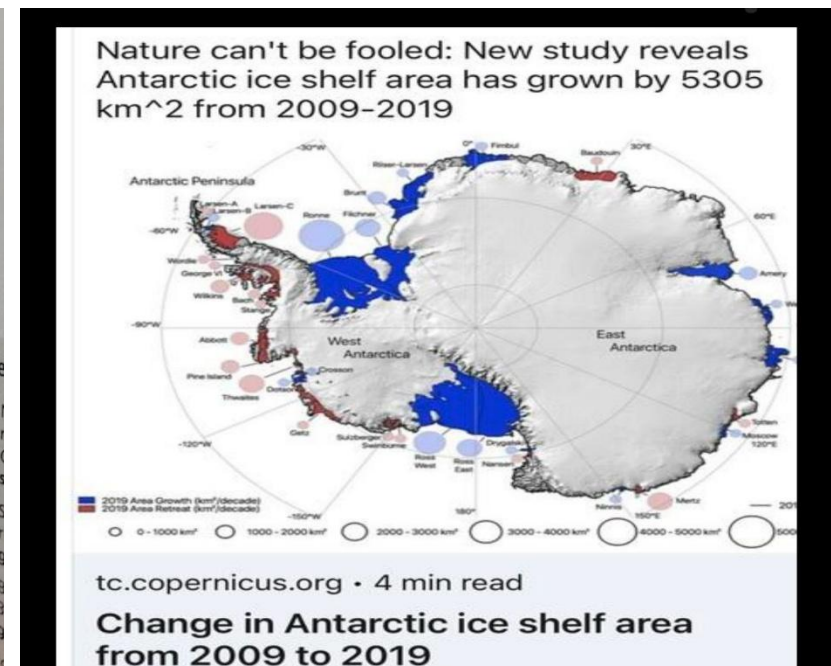
An example of misrepresenting information – recent changes to polar ice

- Climate activists claim the Greenland ice sheet is melting six times faster than it was 30 years ago, but 30 years ago, it was melting at a rate of very low to minimal melting.
- **When recent ice loss is compared to the full Greenland ice sheet, the loss is minimal.**
- **Some studies show Antarctica has been experiencing recent increased sea ice coverage.**

Recent Greenland Ice Sheet Melt vs Total Greenland Ice Size



Recent gains in Antarctic ice sheet



Reference book: Climate at a Glance page 27, 28

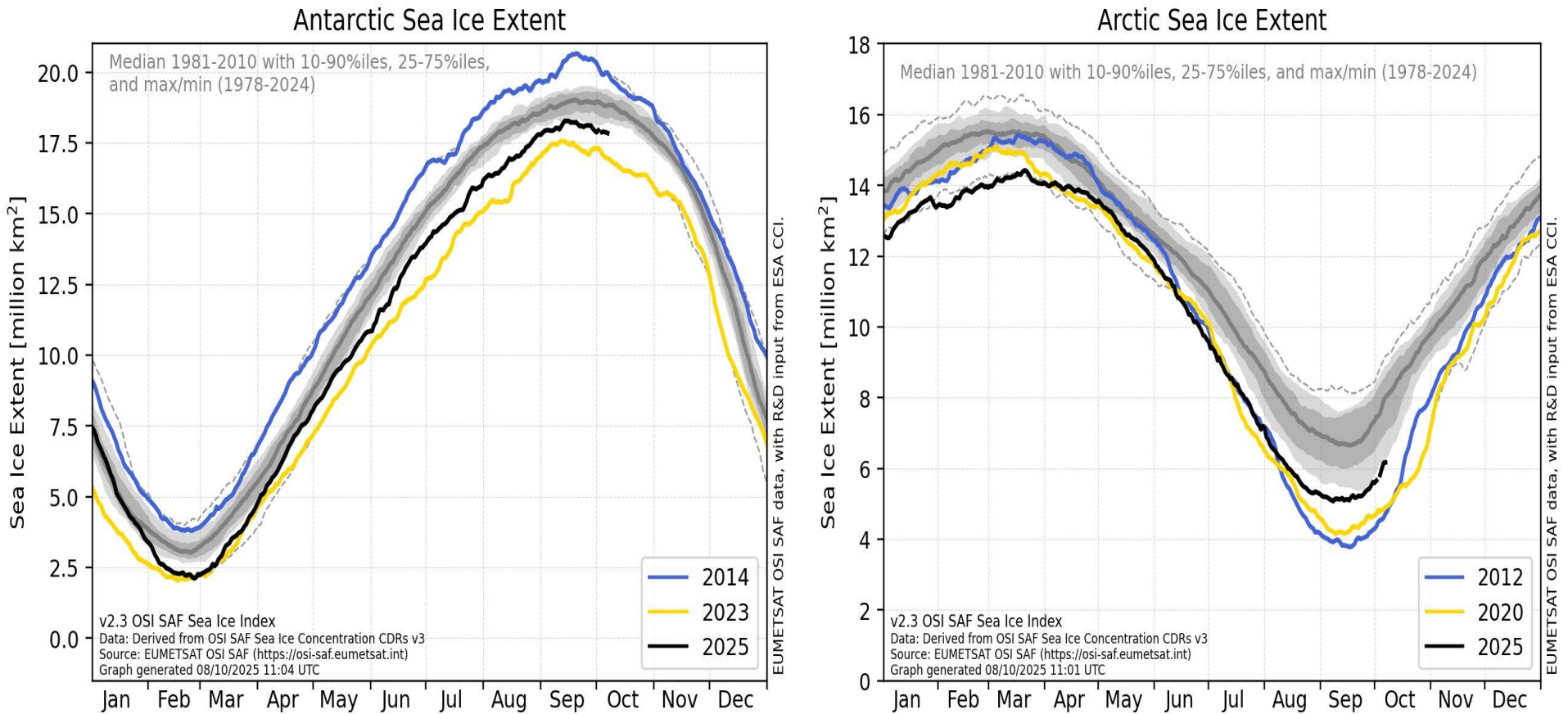
Source: The Ice Sheet Mass Balance NASA and the European Space Agency

Reference Book: Cool It by Bjorn Lomborg page xiv Foreword

4) Global warming is not caused by increased CO₂ - Sea Levels

Polar Sea ice extent at both poles is now tracking close to their 1981–2010 averages

Antarctic ice has rebounded sharply from last year's low, while *Arctic* coverage is now within the normal range.

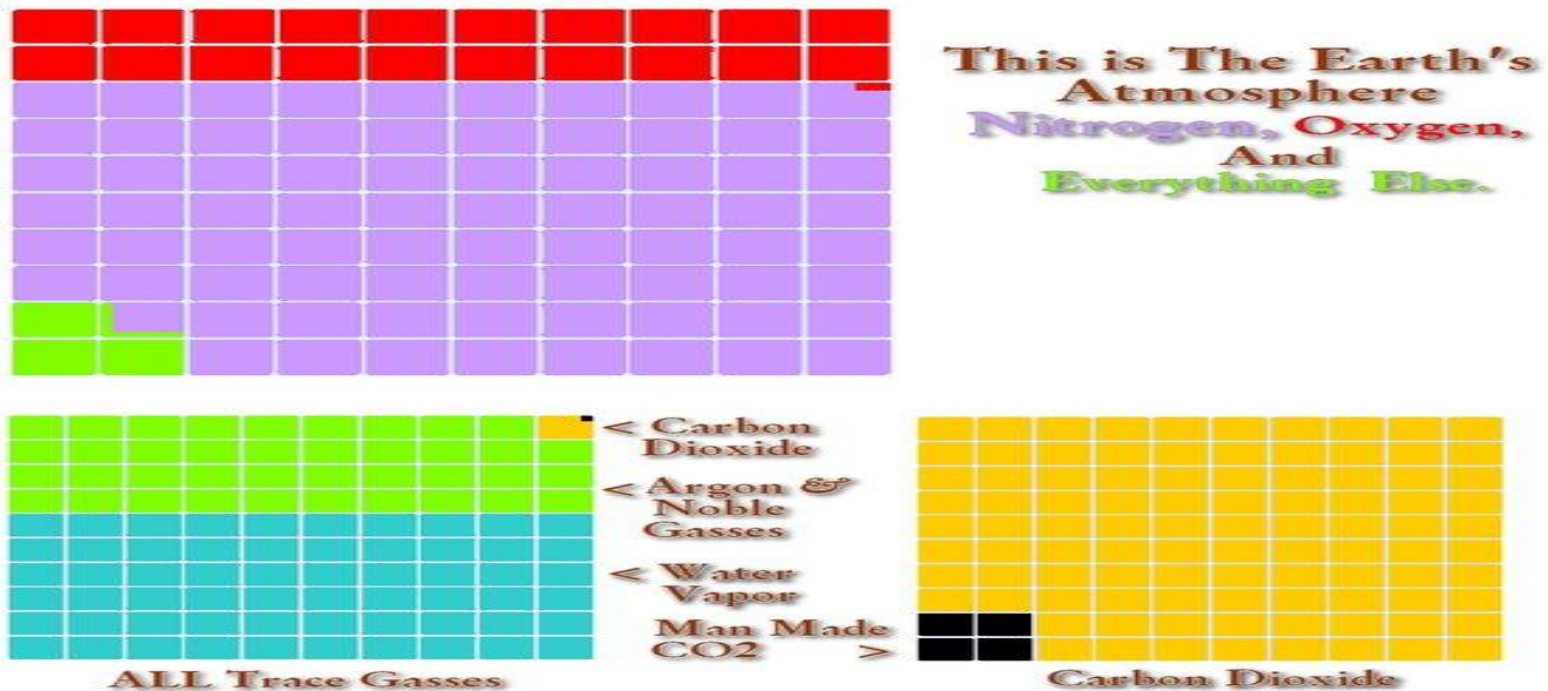


EUMETSAT OMI SAF data with R&D input from ESA CCI

4) Global Warming is not caused by increased CO₂ - Science and CO₂

CO₂ takes up a very small 0.04% proportion of the Earth's total atmospheric gas

- Greenhouse gas takes up 0.8% of total atmospheric gases; CO₂ represents 5% of greenhouse gas
- Therefore, CO₂ represents only 0.04% of the total atmospheric gases
- 0.04% equates to 4 bathtubs volume compared to an Olympic pool's 10,000 bathtubs of water
- All **greenhouse gases** (5% CO₂) **keep the world warm**, absorbing heat and radiating it back to Earth, warming the surface and atmosphere. Humans could not exist on Earth without this warming effect



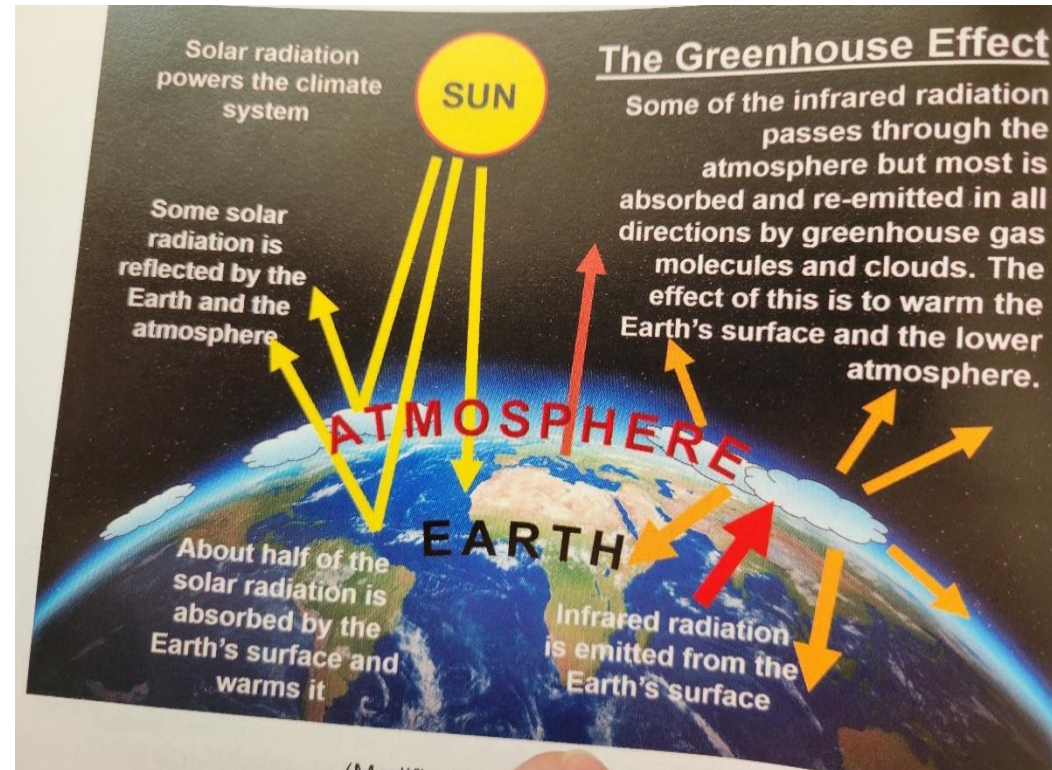
How much CO₂ is TOO Much?

4) Global Warming is not caused by increased CO₂ - Science and CO₂

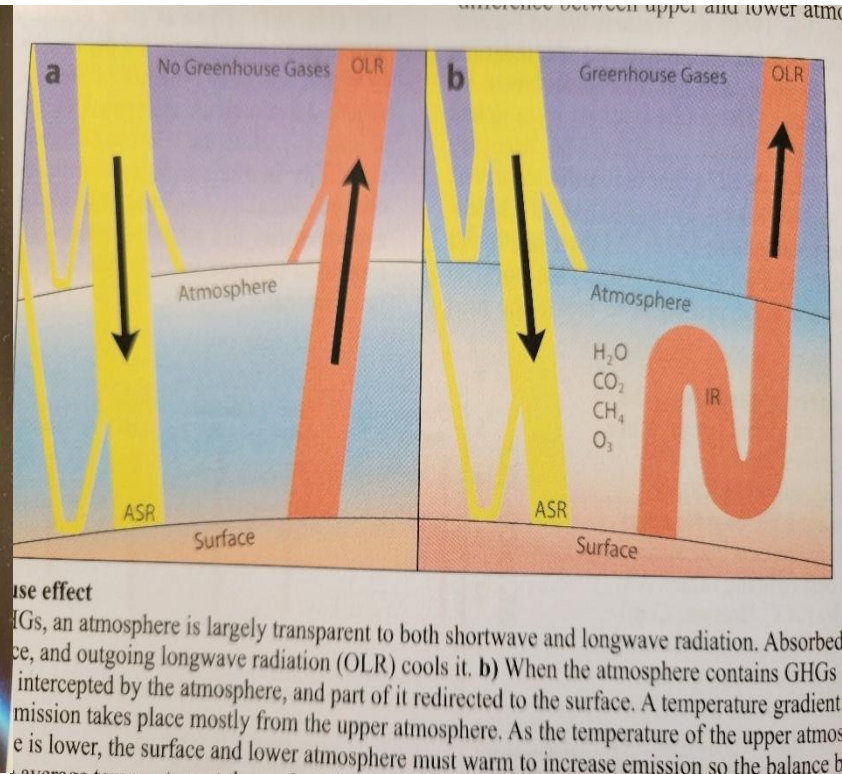
The Sun's radiation energy, the Greenhouse Gas effect and the warming from CO₂*

- 30% of the Sun's radiation is reflected by clouds and 70% passes through the Earth's atmosphere and strikes the surface.
- **Greenhouse gas** molecules, including CO₂, absorb some of this re-emitted energy and **emit** energy in the form of **heat**.
- **With added CO₂**, the absorption sensitivity of CO₂ **reduces logarithmic** (twice as much CO₂ is needed for same impact)
- This effect is similar to a sponge that initially absorbs a lot of water; this reduces as the sponge becomes saturated*

The Greenhouse Effect



The Sun's Energy Radiation Path



Reference Books:

4) Global Warming is not caused by increased CO₂ - Science and CO₂

The heating capacity of CO₂ reduces logarithmically. Clouds are more important.

- Max Planck delineated the spectrum of radiation from warm bodies, showing that **the impact of doubling CO₂ from 400ppm to 800ppm is only 0.71C of warming**. Doubling again to 1600ppm adds 0.35C
- Dr. W. A. van Wijngaarden and William Happer demonstrate the **dominant role of clouds on Earth's climate**. Clouds have a large effect on radiative heat transfer from Earth's surface to space. **Greenhouse gases also affect heat transfer, but much less than clouds.**
- Doubling CO₂ concentrations only decreases radiation to space by about 1%. However, clouds cover more than half the planet and an increase in **low cloud cover of only 1% could largely compensate for the same doubling of CO₂**.

Planck Curve - Effect of CO₂ on the Earth's Heat Spectrum

Temperature Impact Decreases with Increased CO₂

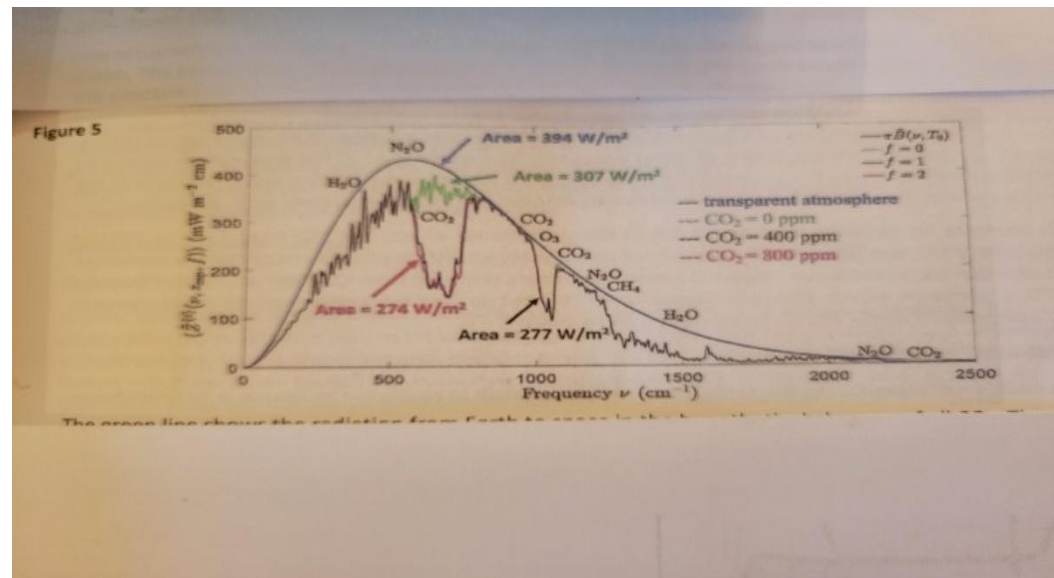


Figure I-3: Less global warming for each additional 50 parts-per-million-by-volume of CO₂ concentration



Reference: Climate All Is Well, All Will Be Well Jeremy Nieboer page 13

<https://wattsupwiththat.com/2023/09/29/professor-william-happer-ipa-lecture-the-crusade-against-carbon-dioxide-september-2023/>

<https://wattsupwiththat.com/2025/01/18/the-saturation-effect-questions-the-prevailing-narrative-on-co2/>

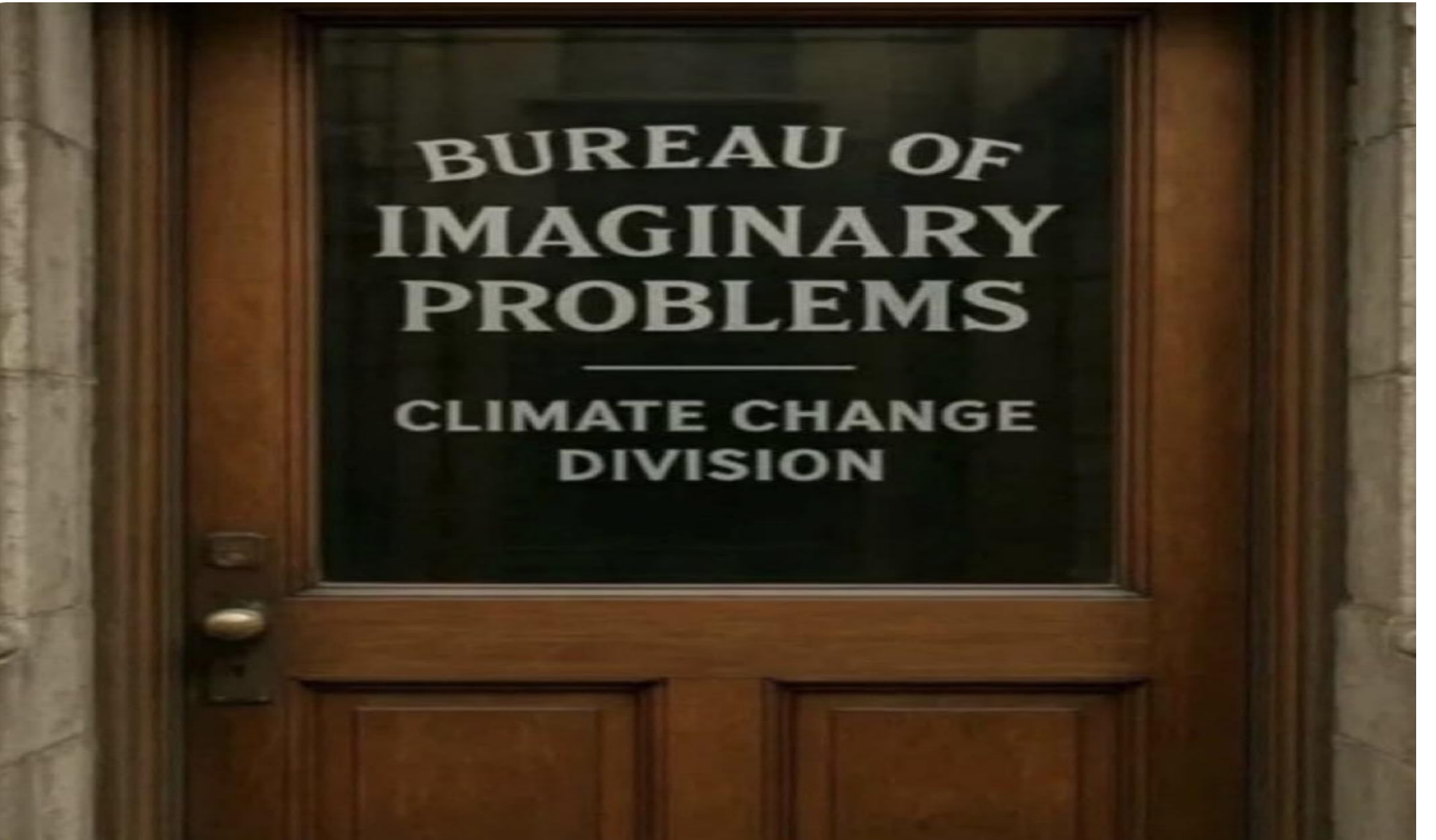
<https://co2coalition.org/publications/radiation-transport-in-clouds/> * dry sponge/wet sponge saturation effect

4) Global Warming is not caused by increased CO₂ - Science and CO₂

The CO₂ saturation effect shows that increasing levels of CO₂ cannot cause catastrophic global warming

- CO₂ radicalism rests on **one main assumption**: “Increases in atmospheric CO₂ will cause a linear and dangerous increase in global temperature.” The belief that more CO₂ emitted equals significantly more heat and higher temperatures is a cornerstone of this view. However, many scientists challenge this.
- At current CO₂ atmospheric levels of 420 ppm, **William Happer**, Professor Emeritus at Princeton University and **William van Wijngaarden**, professor in the Department of Physics and Astronomy at York University, raise serious **doubts about this level of CO₂'s ability to absorb materially more heat from the Sun as seen on the Planck curve**. This finding was **validated through a controlled laboratory experiment** in 2024. The measured infrared radiation of CO₂ in a test chamber underwent increasing CO₂ concentrations emulating realistic atmospheric conditions. **The study concluded that doubling CO₂ from 400 to 800 ppm “shows no measurable increase in infrared radiation absorption and can lead to just 0.5 °C warming increase at most”**.
- In 2020, German chemist **Michael Schnell's paper** “Experimental Verification of the CO₂ Greenhouse Effect” also confirmed that **the saturation effect of CO₂ results in minimal warming**.
- Dr **Franz-Karl Reinhardt** with the Swiss research facility EPF, demonstrated that a doubling of the current level of atmospheric CO₂ from 400ppm to 800ppm would produce only one-quarter of 1 degree Celsius.
- **Climate alarmists have never been able to explain why the Earth has never experienced runaway warming in the past when CO₂ levels were over 10 times more concentrated than today.**

5) We are not in a “Climate Crisis?”

A photograph of a wooden door with a large glass panel. The text on the glass panel is in a serif font, arranged in four lines. The first three lines read "BUREAU OF IMAGINARY PROBLEMS" and the fourth line, separated by a horizontal line, reads "CLIMATE CHANGE DIVISION". The door is set in a stone wall.

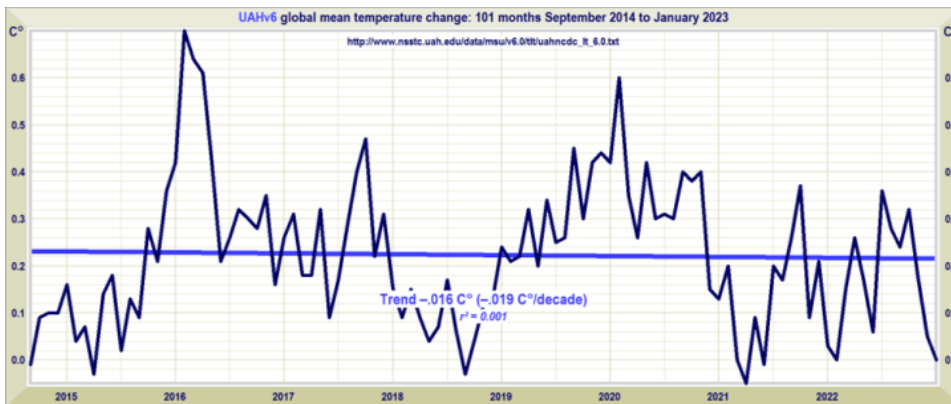
BUREAU OF
IMAGINARY
PROBLEMS
—
CLIMATE CHANGE
DIVISION

False Climate report: News about Media Doing 'damage Control' As Widely Reported Study ... Climate Scam Explanation <https://www.facebook.com/share/v/14PYv1fEJhD/?mibextid=wwXlfr>

5) We are not in a “Climate Crisis”

Recent global warming has been modest to flat

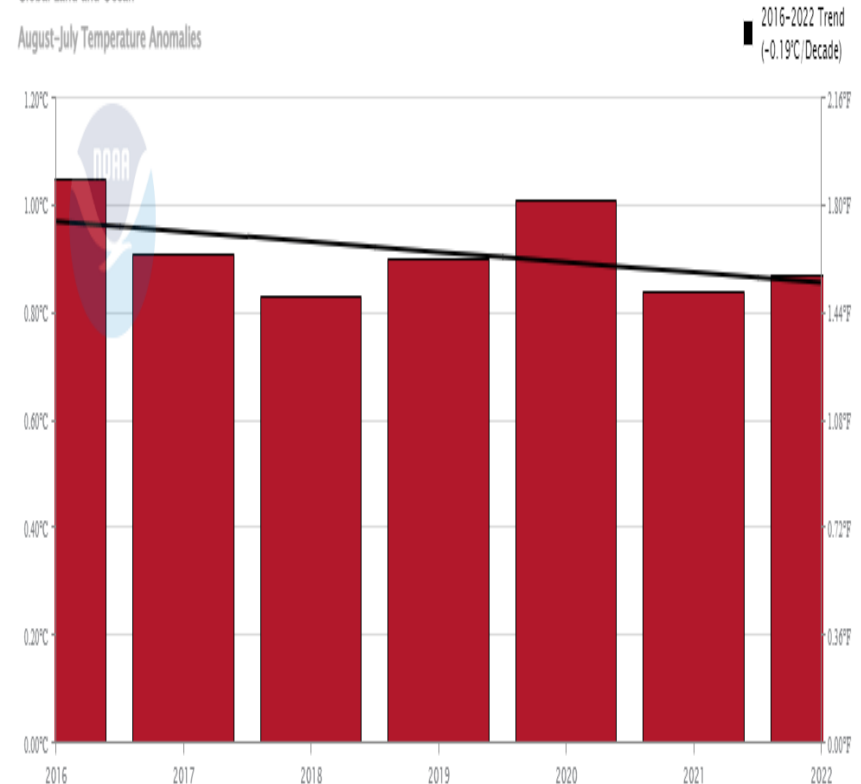
Global Mean Temperature Change 2014 to 2023



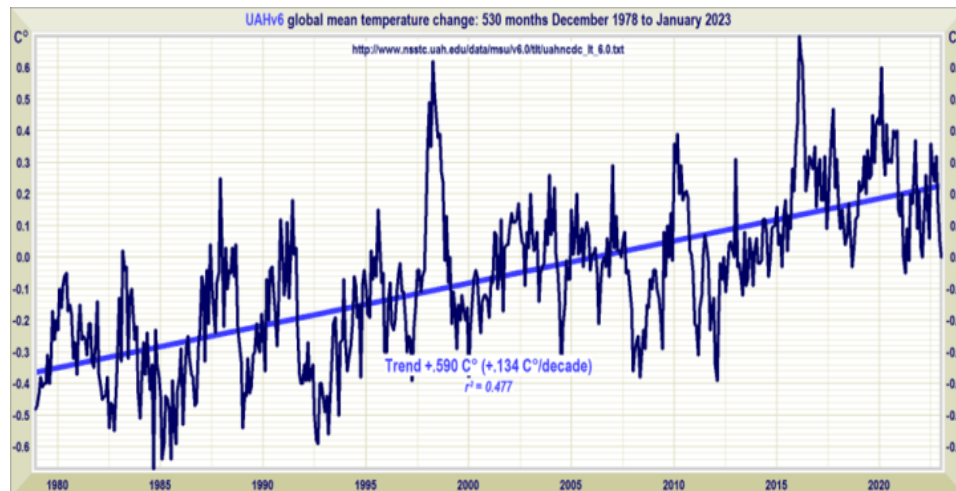
[NOAA](#) shows that since 2015 there has not been any global warming despite the emission of more than 450 billion tons of CO2 emissions

NOAA CHARTS REVEAL RESENT GLOBAL COOLING

Global Land and Ocean
August-July Temperature Anomalies



Global Mean Temperature Change 1978 to 2023

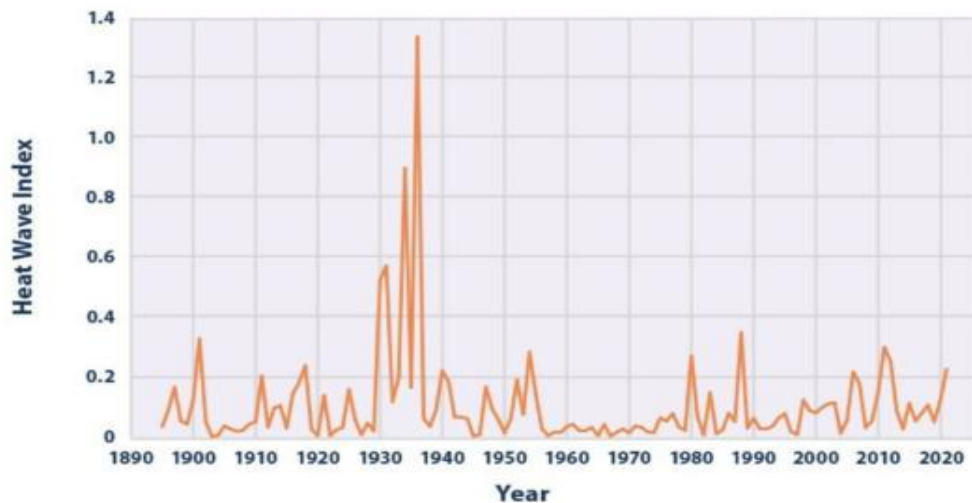


5) We are not in a "Climate Crisis"

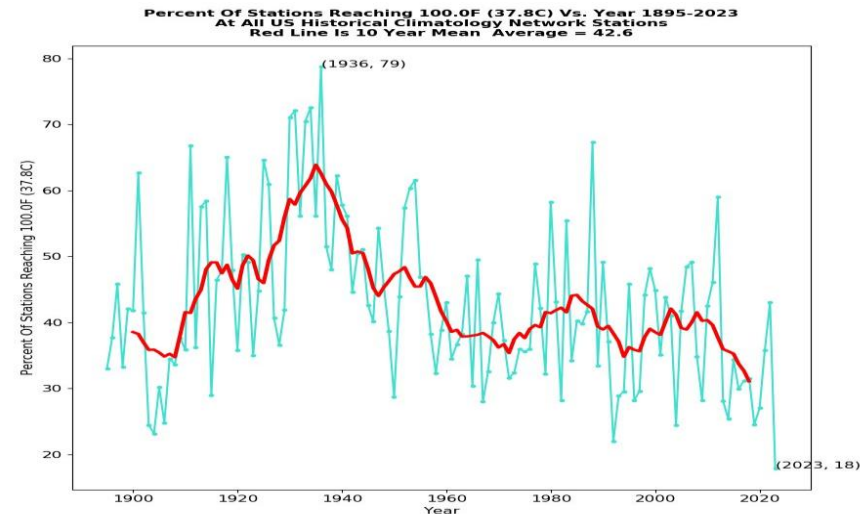
The USA experienced higher temperatures in mid-1930s than today

- USA heat waves have been less frequent and severe than they were in the 1930s.
- **Most** of the modest **warming** that has occurred over the past few decades has largely affected winter temperatures, locations closer to the poles and temperatures recorded at night. Daytime temperature changes have been less impacted.

Heat Wave Index for the USA between 1895 and 2020



Heat Waves 1900 to 2020



Reference book: Climate at a Glance page 49, (Source: EPA).

Source: Environmental Protection Agency Climate Change Indicators Aug 14, 2021

<https://youtu.be/pV7TZzD1N5Q>

<https://youtu.be/pV7TZzD1N5Q>

Climate and environment 2025 updates: US had the coldest January in decades

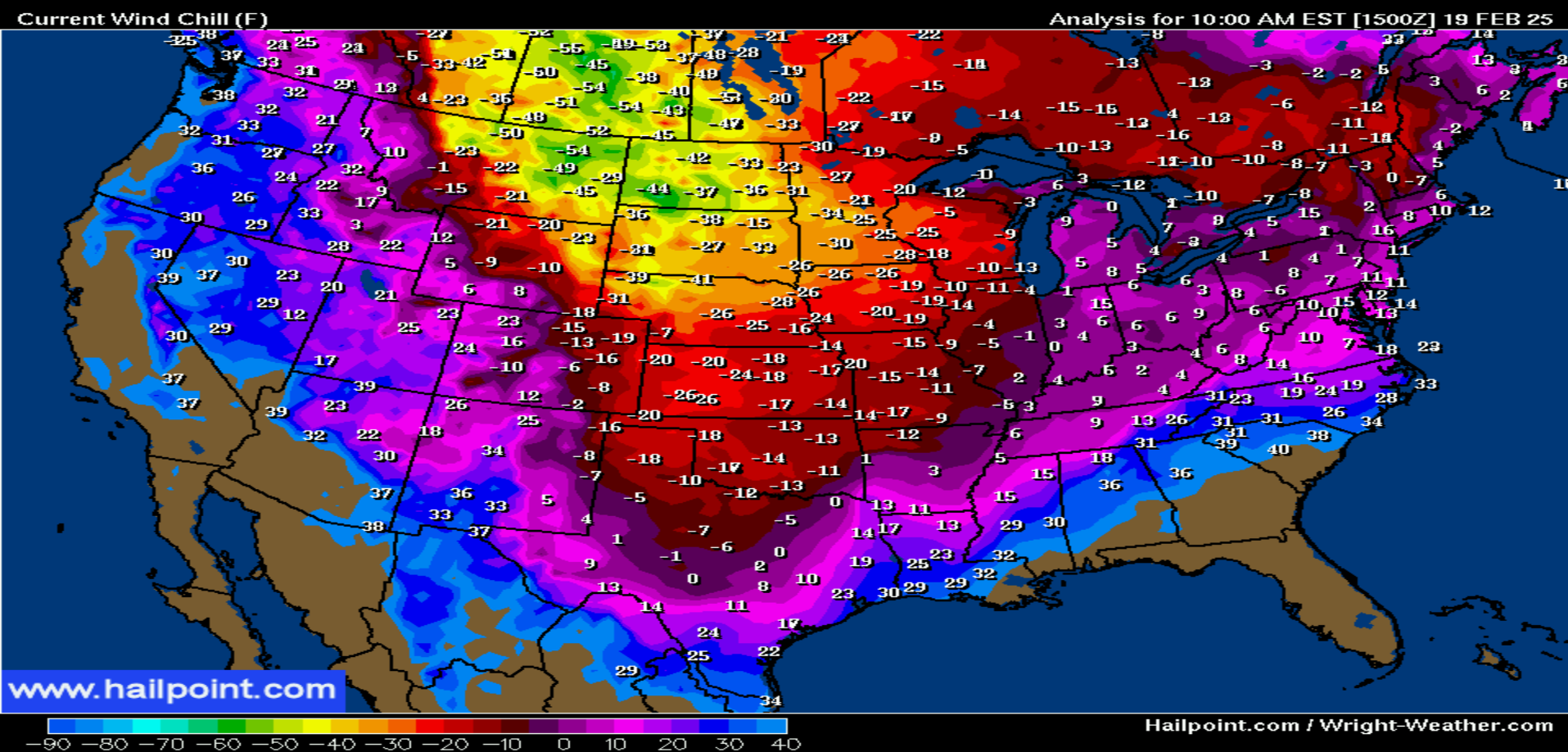
<https://abcnews.go.com/International/live-updates/climate-environment-updates/?id=115115959>

5) We are not in a climate crisis?

February 19, 2025: Record-breaking cold across North America

- Recent low temperatures go against CO₂ driven global warming climate crisis

Record-breaking cold: Temperatures to plunge to as much as 50 degrees below



5) We are not in a climate crisis?

Natural events impact the changing atmosphere

Hunga Tunga Ha'apai Volcano Impacts Global Atmosphere

The eruption of the Hunga Tonga-Hunga Ha'apai volcano 490 feet under the waves on January 15, 2022, blasted an enormous amount of water and volcanic gases into the sky, higher than any other eruption in the satellite era. This underwater explosion sent 146 million tons of water from the South Pacific Ocean into the stratosphere.^[60] changing the water composition of Earth's atmosphere and potentially heating it up *for years*. In just a few days, the superheated water from the Hunga Tonga eruption blanketed the entire globe, pole to pole, East to West. It caused the most intense atmospheric explosion ever recorded by modern instruments.

The amount of water vapor ejected was 10 percent of the stratosphere's typical stock.^[61] It was enough to temporarily warm the surface of Earth. It is estimated that an excess of water vapour should remain for 5–10 years.^[59] Hunga's eruption broke all records for injection of *water vapor*—the most powerful greenhouse gas—into the atmosphere. [NASA](#)

[Bing Videos](#) Hunga Tunga satellite view

[A volcanic eruption sent enough water vapor into the stratosphere to cause a rapid change in chemistry - NOAA Research](#)

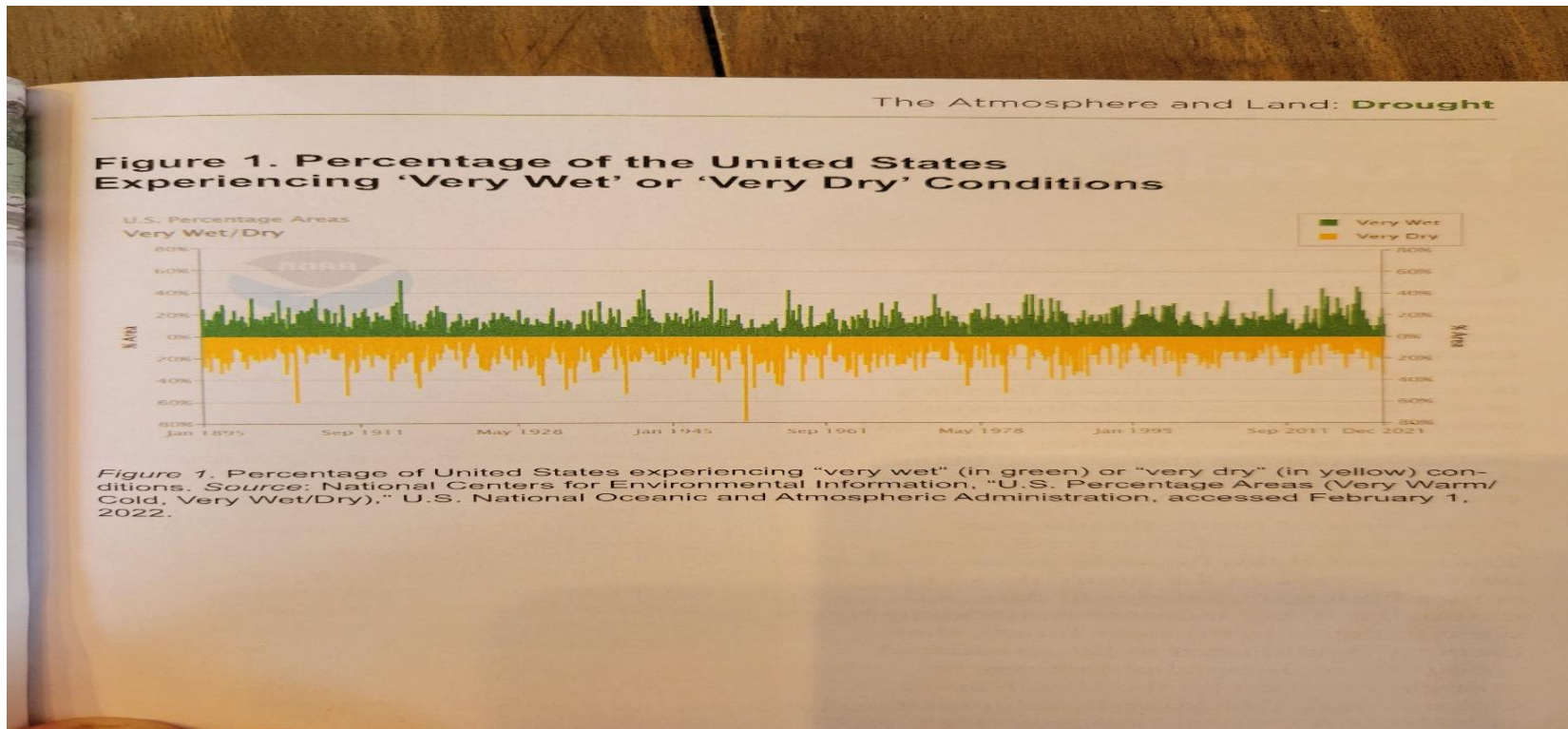
Reference [witnessed](#) 1816, the year without a summer

5) We are not in a “Climate Crisis”

The USA shows no changes in very wet or very dry conditions between 1895 and 2022

- Between 1895 and 2022, there has been no significant change in very wet or very dry conditions in the USA despite increasing CO₂ levels.

Drought and Flooding Conditions



Reference book: Climate at a Glance Page 9

Reference book: Unsettled Chapter 5

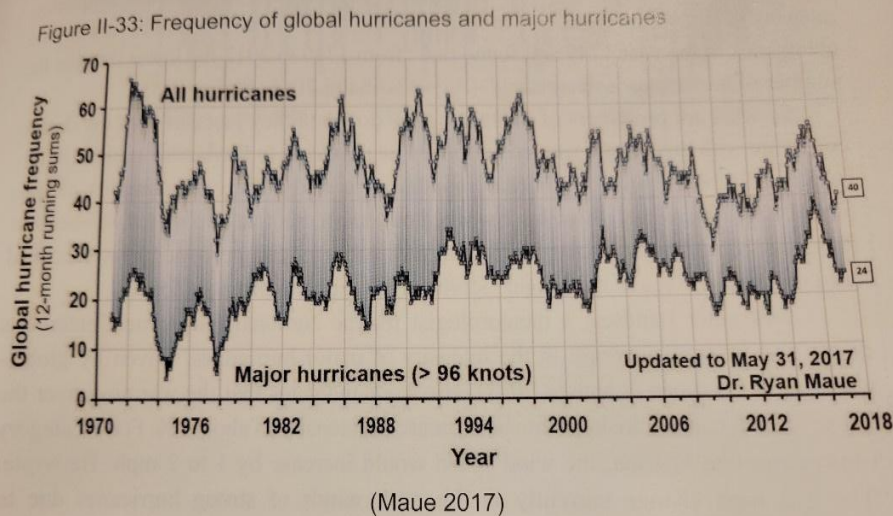
Source: National Centers for Environmental Information US National Oceanic and Atmospheric Administration Feb 1, 2022

5) We are not in a “Climate Crisis”

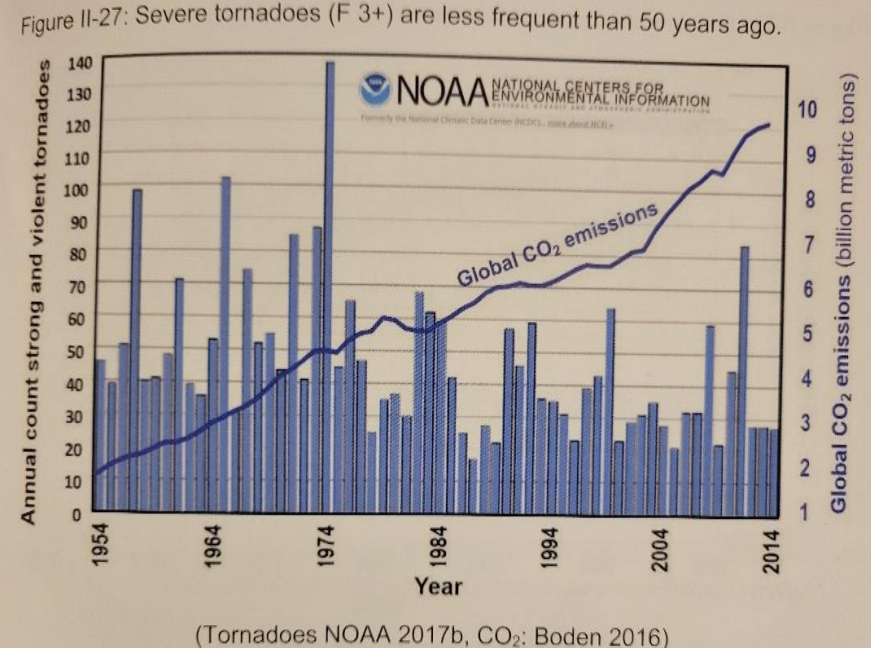
The number of hurricanes and tornadoes over recent times have not changed

- **Global frequency of major hurricanes has remained flat** over the last 50 years and **severe tornadoes have been less frequent** and fell over the last 250 years.
- There is, however, a correlation between intense El Niño ocean currents and hurricanes.

Hurricanes



Tornadoes



Reference book: Inconvenient Facts pages 91, 95

Reference Book: Unsettled Chapter 6

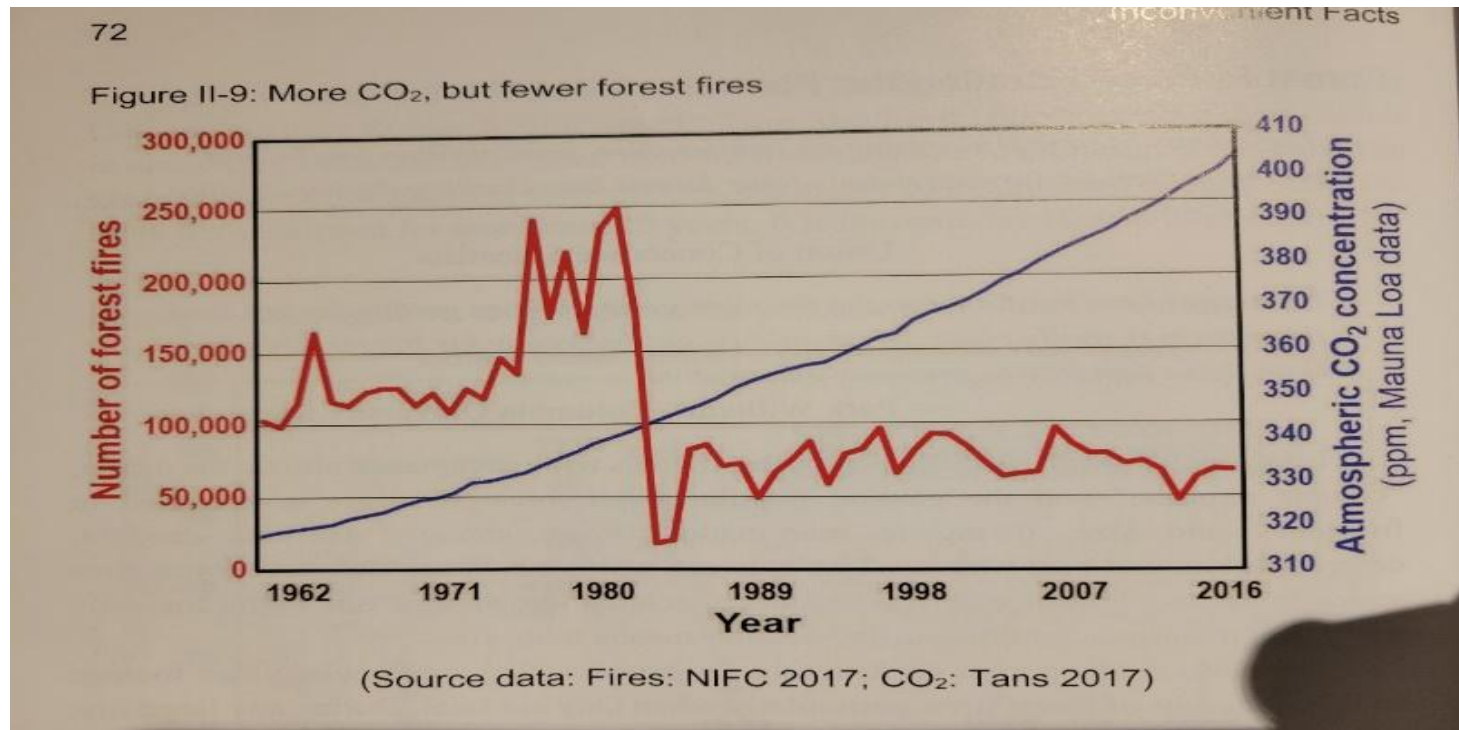
Source CO₂ Boden 2016, Tornadoes NOAA 2017 Hurricanes Maue 2017

5) We are not in a “Climate Crisis”

US forest fires between 1962 and 2016 have not changed with changing CO2 levels

- The number of **forest fires** across the Northern Hemisphere **has decreased** since 1980 in spite of increasing CO2 levels.

Forest Fires Across the USA



https://open.substack.com/pub/rogerpielkejr/p/what-the-media-wont-tell-you-about-783?r=ukert&utm_campaign=post&utm_medium=emailNorthern

Reference book: Inconvenient Facts page 72

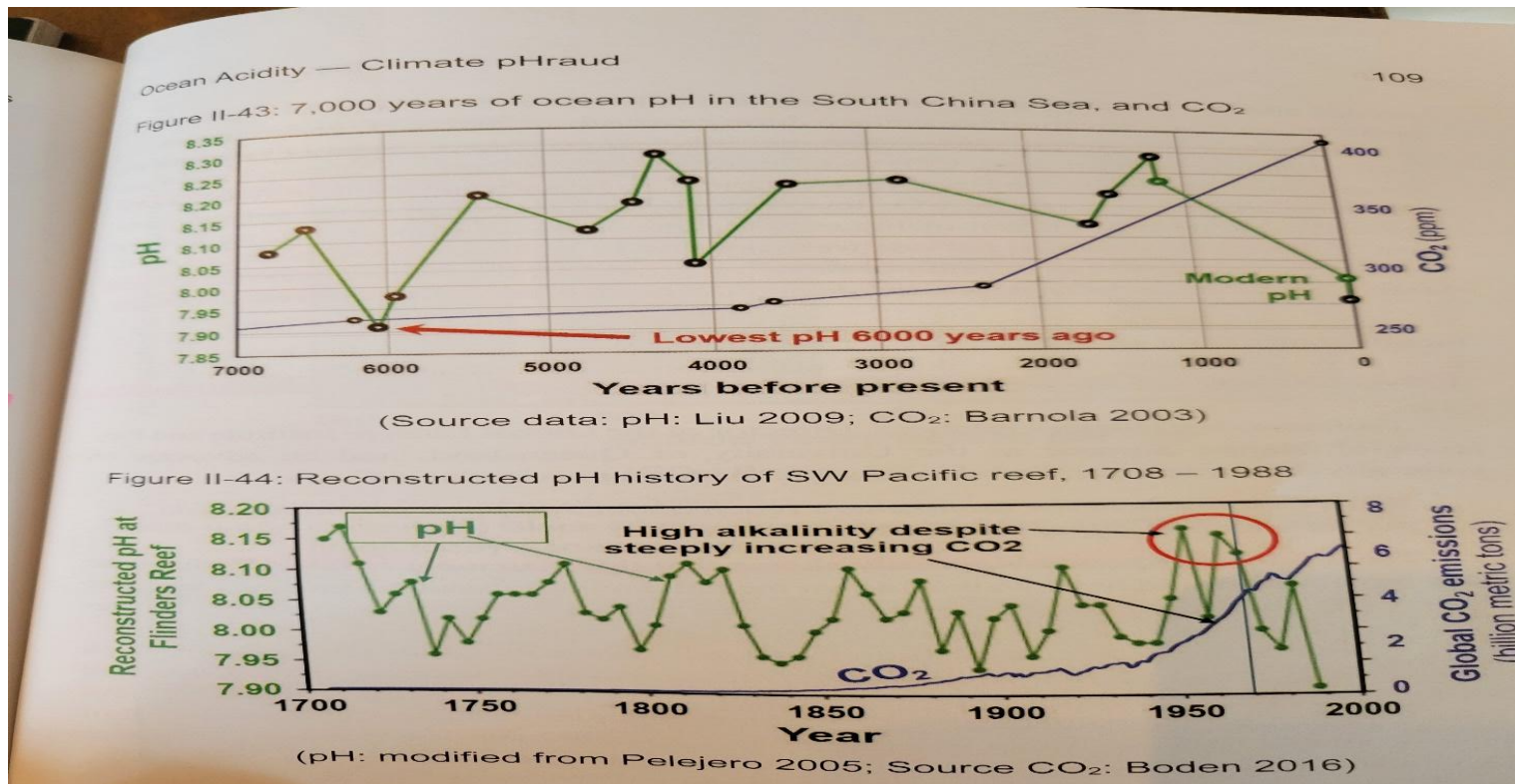
Source Fires NIFC 2017 CO₂ Tans 2017

5) We are not in a "Climate Crisis"

Ocean pH levels do not correlate with changing CO₂ levels

- There is **no correlation** between CO₂ and oceanic pH or **evidence** that higher CO₂ levels will make the **oceans acidic**.
- Ocean acidity is now between 7.9 and 8.2. Neutral is pH 7. Vast amounts of acid would be required to acidify oceans.
- The oceans did not become acidic even with CO₂ at 15 times higher than present levels.

Changes in pH and CO₂ levels over the last 7000 years and the last 300 years



Reference book: Inconvenient Facts page 109

Source pH modified from Pelejero 2005; CO₂ Boden 2016

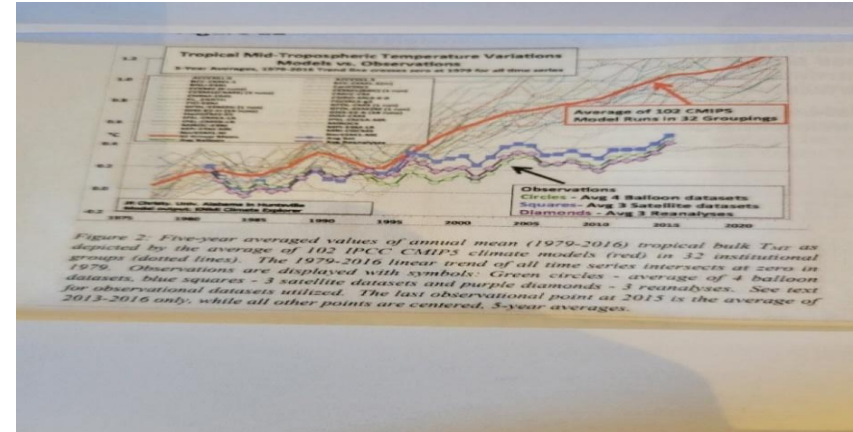
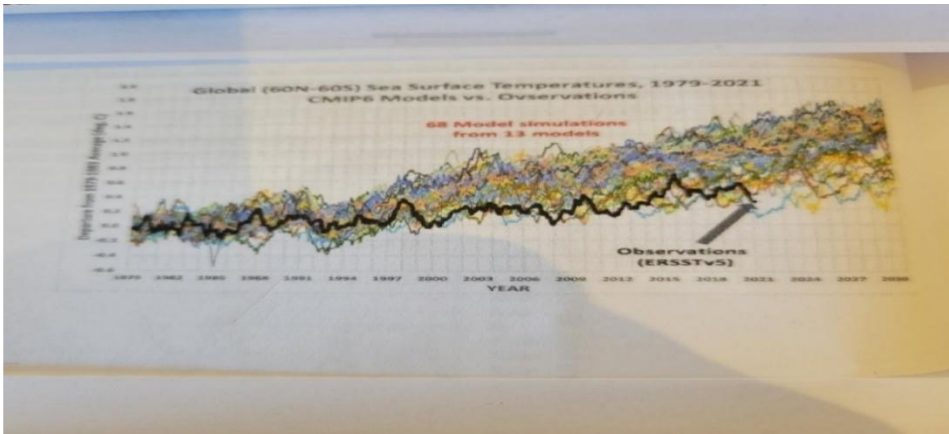
5) We are not in a "Climate Crisis"

Climate models significantly overestimate actual trend of climate change

Computer climate models don't match actual results

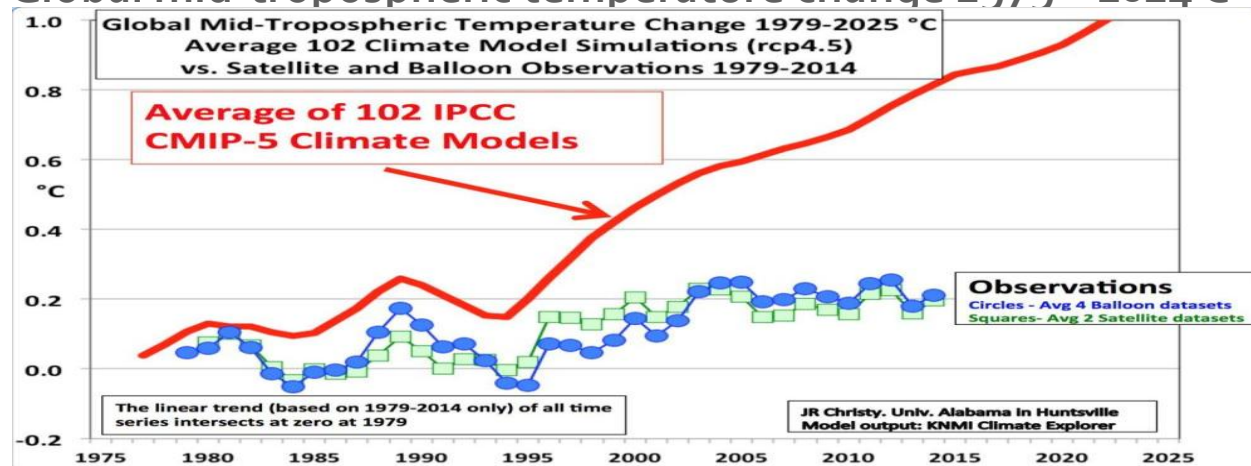
Ocean surface temperatures

Atmosphere temperatures



Reference: Climate All Is Well, All Will Be Well Jeremy Nieboer page 20017 Source: J.R. Christy, Univ. of Alabama; KNMI Climate Explorer [John Christy: Climate models for politics?...\"A bridge too far\" - YouTube](#)

Global mid-tropospheric temperature change 1979 – 2024 C

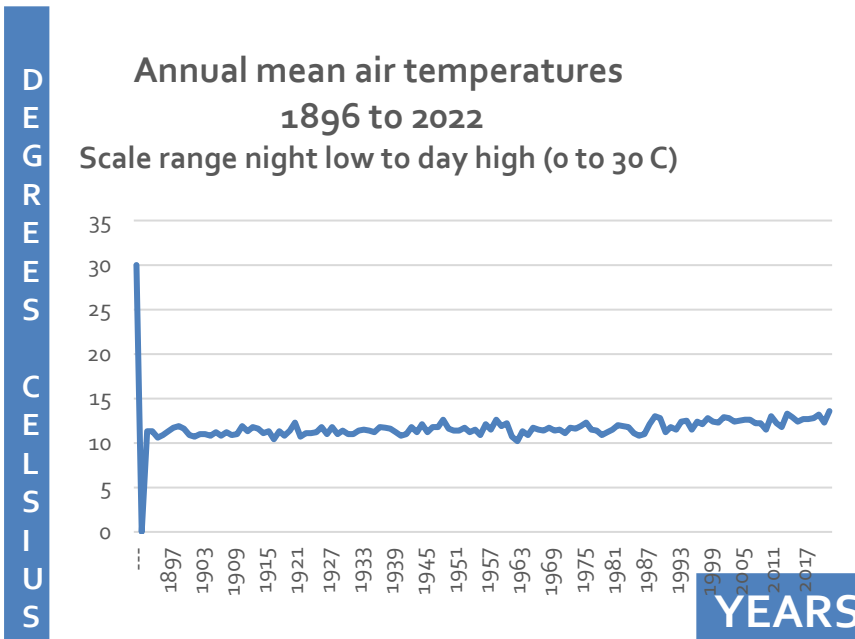


Reference: [John Christy: The Climate Real Deal | Science Matters \(rclutz.com\)](#) Computer Modelling [Willie Soon](#) <https://www.youtube.com/watch?v=b5oyv8I6I-g>

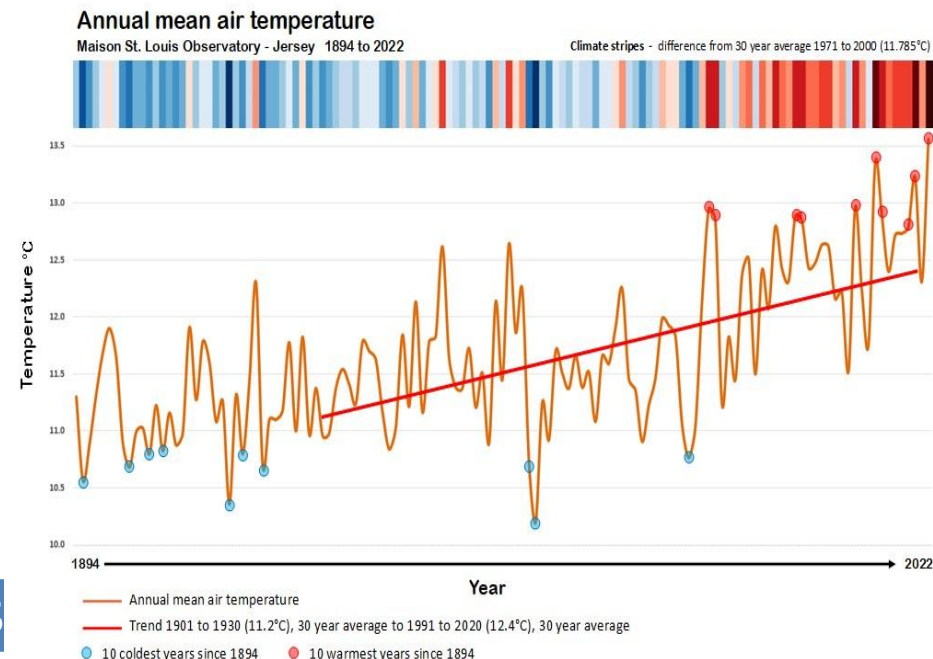
5) We are not in a climate crisis

The impact of changing the scale of the graph can be very misleading – perspective is important

- These graphs have the exact **same data** gathered from the Jersey Government weather station
- However, the **scales are different** with the left graph ranging from 0 °C to 30 °C, which is a day-to-night seasonal range experienced in Jersey; the right graph obtained ranges from only 10 °C to 13.5 °C, visually magnifying these changes
- **Scales chosen can magnify change and mislead the viewer.** Picking proper scales to allow changes to be put in perspective is very important



Reference data from Jersey Gov. weather station

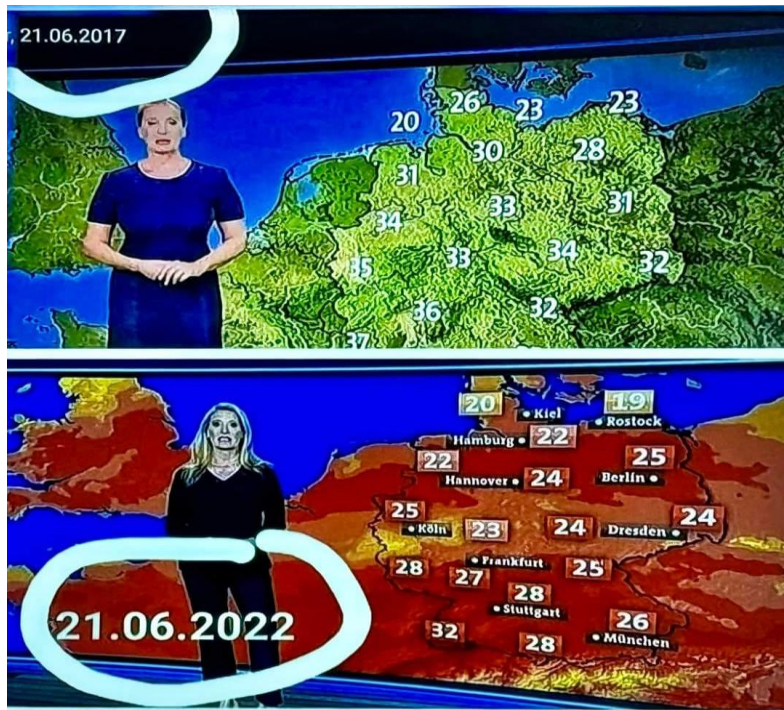


Reference graph from Jersey Met.

5) We are not in a “Climate Crisis”

The impact of media bias in reporting can be very misleading

- These maps have similar data from different years gathered from the Government weather stations. These German temperatures are similar, but the media message “signaling” is slanted.
- The Time magazine pictures also show similar “sensationalized” reporting, overdramatizing reality.



Global Cooling



Global Warming



[Bjorn Lomborg on X: "UN routinely warns us that we have just a few years left until catastrophe: In 1982, Iolba, head of UN Environment Programme told the world that it had just 18 years before an environmental catastrophe as irreversible as any nuclear holocaust https://t.co/8wyP10fJOn https://t.co/zDyD8ldJo5" / X \(twitter.com\)](https://t.co/8wyP10fJOn)

5) We are not in a “Climate Crisis”

Scientists, institutions, activists and NGOs are contributing to climate misinformation

Conformance pressures are real in the media, governments, corporations, NGOs, schools and the public

A Self-Reinforcing Alignment of Perspectives and Interests.

- 1) **The Media:** With the age of the internet, headlines become more provocative to encourage clicks. The general lack of actual scientific knowledge, the drama of extreme weather events and pressure within the industry all work against a balanced coverage
- 2) **Politicians:** Politicians win elections by arousing passion and by motivating and persuading. The threat of climate catastrophe resonates with everyone.
- 3) **Scientific Institutions:** Concerning climate, institutions seem more concerned with making the science fit the narrative than ensuring the narrative fits the science. Assessment reports often summarize data in misleading ways. Scientific institutions have been willing to persuade rather than inform.
- 4) **Scientists:** For academics, pressure occurs to secure funding through grants, promotion, tenure and peer pressure.
- 5) **Activists and NGOs:** Organizations based on “climate emergency” rely on donations, claiming climate change is one of the most devastating problems that humanity has ever faced.
- 6) **The Public:** Concerns about climate change are as old as humanity. Public attitudes often involve unquestioning acceptance of wisdom handed down from on high and do not have the time or expertise to examine the science themselves.

5) We are not in a “Climate Crisis”

The Climate “Green” Industry is a \$4.7 Billion per Year Business (Gross receipts of top 25 NGOs in \$ Millions)

Groups lobbying for reduced CO2 emissions are **spending staggering amounts of money to push claims** that we must only use alternative energy sources like wind and solar.

On 17th October 2024, Oxfam published a [report](#) that **shockingly found that up to \$41 billion** in World Bank climate finance, nearly 40% of all climate funds disbursed by the Bank over the past seven years, is “**unaccounted for** between the time projects were approved and when closed.” No one knows how the money was used.

The Climatism Industry Is A \$4.7 Billion Per Year Business

Rockefeller Brothers Fund	\$838	Sierra Club Foundation	\$123
Natural Resources Defense Council	\$548	League of Conservation Voters	\$71
World Resources Institute	\$306	Union of Concerned Scientists	\$64
ClimateWorks Foundation	\$350	Center for American Progress	\$40
Environmental Defense Fund	\$385	Center for Biological Diversity	\$34
National Audubon	\$361	Greenpeace	\$33
Windward Fund	\$224	Climate Reality Project	\$30
Climate Imperative Foundation	\$289	EDF Action Fund	\$29
The Energy Foundation	\$133	Public Citizen Foundation	\$25
Earthjustice	\$198	350.org	\$23
Sixteen Thirty Fund	\$192	Friends of the Earth	\$20
Sierra Club	\$184	Nextgen Climate Action	\$20
Rocky Mountain Institute	\$164	Total	\$4,684

Gross receipts of top 25 Climate NGOs, in \$Millions

Source: [Guidestar](#)

©Robert Bryce

Imagine the benefits if these funds were directed towards mitigating any negative impacts of climate change rather than trying to prevent natural climate change by reducing valuable CO2 emissions

https://www.realclearenergy.org/articles/2025/01/05/the_climate_agendas_march_through_the_institutions_can_it_be_stopped_1082512.htm

Book **Climate CO2 Hoax: How Bankers Hijacked the Environment Movement** Mark Gerard Keenan

5) We are not in a “Climate Crisis”

Climate Crisis Summary: Predictions have been proven to be false

Reality - We Are Not Experiencing or Facing a Climate Crisis

- Extreme weather events show no long-term trend attributed to human emissions of CO₂
- Hurricanes, tornadoes, heat waves, droughts, floods, forest fires and ocean acidification are not increasing. Polar bear population has been increasing and coral reefs are expanding.
- Since the melting of the North American, European and Asia ice caps, sea level rise has decreased dramatically and the rate of sea level rise has been stable over the past 6,000 years.
- Projections of future climate-based disasters are based on faulty climate models. There are no reliable climate models that can accurately replicate the past or future predictions

This is what catastrophic sea-level rise actually looks like



Real-world evidence refutes climate alarmist claims that extreme weather events are on the rise. FRASER INSTITUTE

DROUGHTS: NO increase in duration or magnitude going back to 1900 Source: World Meteorological Organization	WILDFIRES: NO overall increase, but a decline over recent decades Source: Rural Society
HURRICANES: NO long-term trends going back to 1980 Source: World Meteorological Organization	FLOODING: NO increase in flood risk, but a decline globally Source: Journal of Hydrology

6) The Science is not “Settled” – Science is never “Settled”

Reputable scientists disagree that mankind’s emissions of CO₂ is causing a climate crisis

*There is consensus that temperatures have been and are increasing (agreement on climate change) and that mankind has increased CO₂ levels. However, there is **no consensus regarding the degree to which mankind’s CO₂ emissions are impacting temperatures or that this is causing a climate crisis.***

A large and increasing number of world-renowned scientists speak out against this, including:

Dr. John Christy, Professor of Atmospheric Science, Director of Earth System Science Center U. of Alabama

Dr. John F. Clauser Degrees from Caltech and Columbia Universities, a Nobel Prize winner in science

Dr. Judith Curry, Climatologist, former chair of Earth and Atmospheric Sciences, Georgia Institute of Tech

Dr. Ivar Giaever, Professor emeritus at the Rensselaer Polytechnical Institute, Nobel Prize in Physics

Dr. William Happer, Physics professor Emeritus, Princeton Univ., atomic physics, optics, spectroscopy

Dr. Steven Koonin, Theoretical physicist, and former director Center for Urban Science at New York Univ.

Dr. Richard Lindzen, MIT atmospheric physicist on the dynamics of atmosphere and ozone photochemistry

Dr. Patrick Moore, Ecologist, UBC, co-founder of Greenpeace

Dr S. Fred Singer, Atmospheric physicist, professor emeritus of environmental science U. of Virginia

2000+ Scientists signed the World Climate Declaration: THERE IS NO CLIMATE EMERGENCY, stating:

i) Natural as well as anthropogenic factors cause warming; ii) Warming is far slower than predicted; iii)

Climate policy relies on inadequate models; iv) CO₂ is plant food and the basis of all life on Earth; v) Global

warming has not increased natural disasters; vi) Climate policy must respect scientific and economic

realities Many governments also moving away from or delaying carbon-neutral implementation.

7) Pursuing a carbon-neutral policy has negative implications

Reducing fossil fuel usage would negatively impact 3rd world economy Vijay Jayaraj

Access to fossil fuel energy will greatly help 3rd world economies and lifestyles.

In the developing world, climate activism movements, often bankrolled by foreign non-governmental organizations (NGOs), have stalled critical projects across continents. These efforts ignore the human toll of energy poverty: children studying by candlelight, hospitals without power, and economies stunted by unreliable grids.

First, the developing nations should investigate the funding and motives behind climate activism. Who bankrolls these NGOs? Are their campaigns aligned with national interests, or do they serve foreign agendas?

Greenpeace International, for example, has undertaken protests of power generated by fossil fuels and nuclear reactors and of coal and aluminum mining across India, while half of India suffers from unreliable electricity supplies.

Greenpeace leadership enjoys the comfort of an industrial economy but is asking poor people in the Third World to forgo energy abundance and rely instead on useless wind turbines and solar panels and accept generational poverty for the sake of addressing a fabricated climate emergency.

7) Pursuing a carbon-neutral policy has negative implications

Reducing fossil fuel usage would negatively impact third-world economy Vijay Jayaraj

Access to fossil fuel energy will greatly help 3rd world economies and lifestyles.

Africa, home to over 600 million people with limited access to electricity, stands at the frontline of energy deprivation. Nigeria, Angola, and Mozambique have vast natural gas reserves, yet face continual opposition from international lobbies.

In the Democratic Republic of Congo, one of the world's poorest countries, the non-profit 350Africa.org coordinated demonstrations against oil and gas exploration, mobilizing hundreds of groups. In Uganda and Tanzania, the \$3.5 billion East African Crude Oil Pipeline (EACOP), a lifeline for regional energy, has faced relentless opposition from groups like StopEACOP.

Second, governments must assert authority over energy policy, curbing local states or municipalities that align with crusades against fossil fuels. Many cities across the developing world have designated themselves as Net-Zero entities under an initiative of the World Economic Forum.

It is exasperating to see cities, still struggling to provide basic services for the health and safety of their citizens, are willing to prioritize foolish opposition to rational energy development. It is even more weird that municipal leaders would align with foreign organizations like the World Economic Forum and the United Nations in opposition to their own national interests.

7) Pursuing a carbon-neutral policy has negative implications

Reducing fossil fuel usage would negatively impact third-world economy [Vijay Jayaraj](#)

Access to fossil fuel energy will greatly help 3rd world economies and lifestyles.

Third, legal mechanisms should be used to deter frivolous lawsuits and protests.

African nations rich in energy resources could adopt statutes penalizing activism that delays critical infrastructure without evidence of harm, mirroring the U.S. Attorney General's mandate to challenge unconstitutional state and local laws. Such measures would shift the burden onto activists to justify their claims, rather than paralyzing projects by default.

Energy security is national security, and no ideology should usurp that. From Nigeria's oil fields to India's coal mines, national leaders must dismantle efforts to stymie sensible energy use and clear a path for energy abundance and the eradication of poverty.

This commentary was first published at [Townhall](#) on April 22, 2025. [Vijay Jayaraj](#) is a Science and Research Associate at the [CO₂ Coalition](#), Arlington, Virginia. He holds an M.S. in environmental sciences from the University of East Anglia and a postgraduate degree in energy management from Robert Gordon University, both in the U.K., and a bachelor's in engineering from Anna University, India.

7) Pursuing a Carbon Neutral policy has negative implications

The cost of going "Carbon Neutral is significant: Recent Country actions

USA

[In his first 200 days, Trump has overturned Biden climate agenda at breakneck speed, report shows | Just The News](https://lists.theepochtimes.com/links/lnGtCLkk1/HhryKHE6n/wjB2oNb9veRV/5MSanGiq2F)

<https://lists.theepochtimes.com/links/lnGtCLkk1/HhryKHE6n/wjB2oNb9veRV/5MSanGiq2F>

[The Science and Environmental Policy Project \(SEPP\)](#)

[The Tide is Turning Decisively Against Net Zero](#) <https://youtu.be/xaPrKzIkWrQ>

[Bill Gates changes views on the seriousness of Climate Change](#) [Prediction of Climate Catastrophe Loses Some of Its Strongest ...](#)

A nuclear energy resurgence is underway. Nuclear plants that were shut down are being restarted. Dozens of small reactors are being deployed. Published in [MasterResource](#) November 20, 2025.

EU

The delusional EU believes it can wield carbon tariffs as weapons. <https://tilakdoshi.substack.com/p/europes-days-of-carbon-colonialism> Trump's UN speech Sept 23, 2025 <https://www.facebook.com/share/r/1CjCaLJuja/?mibextid=wwXlfr>

[More from Trump's UN speech Sept 23, 2025](#) <https://www.facebook.com/share/r/1CjCaLJuja/?mibextid=wwXlfr>

[News about Sweden's Pension Disaster Rings Alarm Bells For ...](#) Sweden's 'new green industrial revolution' is faltering

Japan

In August 2025, Mitsubishi Corporation was preparing to withdraw from three Japanese offshore wind projects off the coasts of Chiba and Akita.

[American-Japanese Pact Signals Ascent of Energy Realism](#) [Read article here.](#): The U.S. and Japan are shedding the paralysis of irrational climate policies with a strategic pact covering rare-earth minerals, critical components for semiconductors and next-generation nuclear reactors. The agreement abandons more than a decade of energy uncertainty that was marked by unpredictable supply chains, unrealistic net-zero pledges and overreliance on unreliable wind and solar energy. This places energy and industrial strategy at the heart of protecting national sovereignty. The U.S.-Japan agreement also includes a multi-year deal valued at over \$100 million between Global Coal Sales Group and Tohoku Electric Power for American thermal coal.

[American-Japanese Pact Signals Ascent of Energy Realism - CO2 Coalition](#)

7) Pursuing a Carbon Neutral policy has negative implications

The cost of going "Carbon Neutral is significant: Recent Country actions

Spain

April 28, 2025: Spain suffers a major electricity blackout, raising solar power concerns

Six days after press releases stated that Spain had briefly achieved 100% renewable power, with the major source of power coming from solar panels, Spain and Portugal suffered a major electricity blackout. demonstrating the need for reliable electricity, not solar power [Spain at risk of fresh net zero blackouts](#)

Germany

Germany's renewable energy transition has become a case study in policy failure, with costs spiralling. By 2020, Germany had spent [over €500 billion](#) on its green agenda, transforming it into one of the most expensive electricity markets in the world. [Household electricity prices](#) are now among the highest in Europe and the world. Energy-intensive industries, from chemical manufacturers to steel producers, are fleeing Germany. The move to renewable energy has contributed to Germany's [GDP shrinking in real terms and rapid de-industrialisation](#)

UK

[Reform UK will make 8 major policy changes](#)

[Britain warned of tight energy supplies this winter](#)

[News about Uk Conservative Party Position On Carbon Neutral Poli...](#)

[Kathryn Porter on the Lies of the Green Zealots](#)

[The Hill published my article](#) Britain's net-zero scheme is being derailed by opposition to solar and wind projects

[Tilak's Substack | Tilak Doshi | Substack](#) Households hit with higher bills in £1bn 'racket' that sees wind farms paid to turn off power | [The Independent](#)

<https://dieterhelm.co.uk/energy-climate/british-energy-policy-not-cheap-not-home-grown-and-not-secure/>

[The Coming UK Energy Disaster - Paul Burgess](#)

Italy

The Italian government has approved a ban on the installation of new ground-mounted solar panes on productive farmlands.

Global Warming and CO₂: “The Science”

Conclusions: Warmer temperatures and higher CO₂ are good for mankind and nature

Temperature

- For most of the last 10,000 years, temperatures were higher than today.
- Mankind has historically prospered in up to 2°C+ higher average temperatures than today, but did poorly under colder temperatures.
- Significantly more deaths occurred under colder temperatures than warm temperatures.

CO₂

- The Earth has experienced over 10 times the present CO₂ levels and life has prospered.
- CO₂ is essential to terrestrial and marine life.
- The Earth is greening with higher CO₂, which is beneficial to humans, expansion of vegetation and forestation, plus crops harvested worldwide have increased dramatically.

Claims of Climate Disasters

- The polar bear population and coral reefs are expanding.
- Extreme weather events show no long-term trend attributed to human emissions of CO₂.
- Hurricanes, tornadoes, heat waves, forest fires and ocean acidification are not increasing.

Climate Models

- Projections of future climate-based disasters are based on faulty climate models that cannot accurately replicate the past or predict the future.

Global Warming and CO₂: “The Science”

Warmer temperatures and higher CO₂ are good for mankind and nature

Why is this important?

- The claim “Mankind’s emissions of CO₂ is causing a Climate Crisis” is in serious doubt. Basic science and historical records, including those in Jersey, provide important information supporting this doubt.
- The Jersey Carbon Neutral policy was never approved by the citizens of Jersey, was never costed, nor were any of the implications revealed at the time of Government policy approval.
- Funds (£21MM budgeted 2025 – 2028) directed towards going “Carbon Neutral” to reduce Jersey’s 0.001% global CO₂ emissions make no difference and can be better spent on areas like health, education and infrastructure.
- Children are being unduly traumatized by the media and the education system, including through teachers’ messaging.

Global Warming and CO₂: “The Science”

CO₂ and Climate Crisis Findings: Myth vs Reality

“The Science” doesn’t support a CO₂ Climate Crisis:

- 1) Warmer temperatures are good**
- 2) More CO₂ is good**
- 3) Global Warming is real, but is not mainly caused by increased CO₂ - it has only a very minor impact**
- 4) We are not in a “Climate Crisis”**
- 5) The Science is not “Settled”**

Global Warming and CO₂: “The Science”

Warmer temperatures and higher CO₂ are good for mankind and nature

I recognise there are alternative views and perspectives.

Therefore, I call for an open, science-based debate on the question “Should Jersey continue to pursue a Carbon-Neutral Policy”, including the claim: Mankind’s CO₂ emissions are causing a Climate Crisis

Any Questions or comments?

I refer you to our website www.jerseyclimateforum.org where this and other material is available, including my **complete Presentation**

Research Material: <https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqvli8aghcocm7v&st=nwe1g788&dl=0;>

Global Warming and CO₂: “The Science”

60 Facts About CO₂ and Climate

1. CO₂ is not the primary greenhouse gas
2. The warming effect of CO₂ declines as its concentration increases
3. CO₂ is food for plants and is considered the gas of life
4. In the last four ice ages, the CO₂ level was dangerously low
5. The world has been in a 140-million-year trend of dangerously decreasing CO₂
6. The current geologic (Quaternary) period has the lowest CO₂ level in Earth's history
7. More CO₂ means more plant growth
8. More CO₂ helps to feed more people worldwide
9. More CO₂ means moister soil, a greener globe and smaller deserts
10. Global warming was flat for 18 years despite the rise in CO₂
11. CO₂ rose after the Second World War, but temperatures fell
12. The present warming began long before SUVs or coal-fired power plants
13. Melting glaciers and rising sea levels confirm that warming predates CO₂ increases
14. Temperatures have changed over 800,000 years and well before mankind
15. Interglacials usually last 10,000 to 15,000 years. Our present one is 11,000 years old

Global Warming and CO₂: “The Science”

60 Facts About CO₂ and Climate

16. Each of the four previous interglacial periods was significantly warmer than the one we are currently experiencing
17. The last interglacial, about 120,000 years ago, was 8 degrees warmer than today and the polar bears survived, plus the Greenland ice didn't melt
18. Temperatures have changed over the past 10,000 years and not due to mankind.
19. Today's total warming and rate of warming are similar to earlier periods
20. For 6,100 years out of the last 10,000 years, it was warmer than today
21. The current warming trend is neither unusual nor unprecedented
22. Earth's orbit and the tilt of the Earth's axis drive ice ages and interglacial periods
23. We are now living in one of the coldest periods in all of Earth's history
24. Earth has not had a geologic period this cold in 250 million years
25. The only thing constant about temperatures over 600 million years is that they have been constantly changing
26. For most of Earth's history, it was 10 degrees C warmer than today
27. IPCC's models overstate future warming up to three times too much
28. For human advancement, warmer is better than colder
29. Returning to pre-industrial Revolution temperatures will lead to famine and death

Global Warming and CO₂: “The Science”

60 Facts About CO₂ and Climate

- 30. Only 0.3% of the publications stated in their papers that the recent warming was mostly man-made
- 31. Science is not consensus, and consensus is not science
- 32. More CO₂ yields fewer droughts
- 33. Higher temperatures also show fewer droughts
- 34. Forest fires in the Northern Hemisphere are decreasing
- 35. More CO₂ provides more CO₂ fertilization and more soil moisture, faster tree growth and fewer forest fires
- 36. More CO₂ in the atmosphere means more food for everyone
- 37. The Earth is becoming greener and not turning into deserts, which are shrinking
- 38. Growing seasons are lengthening
- 39. More CO₂ and warmer weather mean more world food production
- 40. EPA: Heat waves are not becoming more frequent
- 41. Extreme heat events are declining
- 42. Cold kills far more people every year than heat
- 43. Warmer weather means many fewer temperature-related deaths
- 44. Warmer weather prevents millions of premature deaths every year

Global Warming and CO₂: “The Science”

60 Facts About CO₂ and Climate

45. More CO₂ and warmth mean shorter and less intense heat waves
46. The number of tornadoes is decreasing
47. The number of tornadoes in 2016 was the lowest on record
48. Death from tornadoes is falling
49. There has been no increase in the frequency of hurricanes in recent data
50. We have seen 250 years of declining hurricane frequency
51. No significant increase in hurricane intensity due to global warming
52. The polar bear population is growing
53. There are more polar bears today than there have been for 50 years
54. Polar bears thrive even where the sea ice is diminishing
55. There is no historical connection between CO₂ and the ocean's PH
56. The oceans did not become acidic, even at 15 times modern CO₂ levels
57. Sea level increases began more than 15,000 years ago
58. The recent sea level rise began 150 years before the increases in CO₂
59. Melting the northern polar ice cap in the Arctic Ocean will not raise the sea level
60. Most of Antarctica is cooling down and gaining ice mass

Global Warming and CO₂: Key Questions

Evaluation Results of Eleven Relevant Questions and Supporting Evidence

1) Is present Global Warming a crisis or a natural phenomenon?

Answer: Global Warming is a natural phenomenon

Present temperature changes are not different from historic temperature changes and the earth is now in one of the coldest periods in its history. There is nothing unusual in today's warming.

2) Are warmer temperatures and higher CO₂ levels causing a climate crisis?

Answer: No, warmer temperatures and CO₂ levels are not causing a climate crisis

Forest fires, hurricanes, tornadoes, heat waves, droughts and other weather-related concerns have not increased with recent higher CO₂ and temperature levels.

3) Are higher CO₂ levels and warmer temperatures good or bad?

Answer: Higher CO₂ and warmer temperatures are good for humans and plants

Plants and crops benefit and grow better with higher CO₂. Mankind has also done better under higher temperatures.

4) Are CO₂ atmosphere levels dangerously high or historically low?

Answer: CO₂ levels are at historically low levels when viewed over geologic time

CO₂ levels have been dropping over the last 150 million years to a recent low of 180 ppm; a further drop of only 30 ppm would have ended all plants and therefore all life on Earth. With mankind's added CO₂ emissions, today's CO₂ level rose to about 415 ppm, which is only 0.0417% of total atmospheric gases. An optimum level for plants would be between 1,000 to 2,000 ppm, but for humans, serious physiological effects begin above 2,000 ppm.

Global Warming and CO₂: Key Questions

Evaluation Results of Eleven Relevant Questions and Supporting Evidence

5) What could have caused changes in CO₂ levels over geologic time?

Answer: Natural events have caused changes in CO₂ over geologic time

Cold oceans and plant life absorb CO₂ and concentrated carbon and CO₂ in limestone, coal, oil and gas deposits. Over geologic time, plate tectonics and volcanoes have added CO₂ at much higher amounts than recent mankind-induced CO₂ emissions and with no negative impact.

6) Is climate change mainly caused by mankind's emissions of CO₂?

Answer: Mankind has increased CO₂ levels, but this is not causing major climate change

Temperatures and climate changed dramatically and well before mankind's recently added CO₂ emissions. Rates of recent temperature increases, glacial retreats and sea level rise have not changed with recent increases in CO₂. During glaciation periods, CO₂ levels changed after temperature changed and therefore could not be causing these specific temperature increases.

Oceans cool, then absorb CO₂; oceans warm, then release CO₂. NASA states that climate change occurs because of changes in the Earth's solar orbit.

7) What is the impact of CO₂ on climate warming?

Answer: Additional CO₂ will have a very minimal future impact on temperature

Mankind added CO₂ has had an impact on temperatures, but likely a minor impact overall. Major factors that impact weather and climate include Sun intensity (day and night, seasons), Sun spot activity, ocean currents, clouds, plate tectonics and volcanoes. As CO₂ concentration increases, CO₂ has less and less warming effect; adding more CO₂ has a logarithmically reduced impact.

Global Warming and CO₂: Key Questions

Evaluation Results of Eleven Relevant Questions and Supporting Evidence

8) Is sea level rise and the rate of rise unusual and a major concern?

Answer: Sea level rise has not changed with higher CO₂, isn't unusual and is manageable

Sea levels have changed significantly over the Earth's entire history. Since the last glacial period, the earlier rapid rate of sea level rise has recently reduced as the majority of land ice has already melted. Societies can adapt to the present rate of sea level rise (about 20 cm per 100 years) by implementing managed retreats, accommodating coastal change and protection with sea walls, dune rehabilitation and beach nourishment. There is no evidence that reducing our CO₂ emissions will reduce sea level rise or materially impact temperature.

9) What about scientists' consensus regarding the man-made Global Warming crisis?

Answer: The stated scientific consensus is false; many reputable scientists disagree

There is consensus that temperatures have been and are increasing and that mankind has increased CO₂ levels. However, there is no consensus regarding the degree to which mankind's CO₂ emissions are impacting temperatures or that this is causing a climate crisis.

10) If CO₂ is good and the climate always changes, what about other fossil fuel pollutants and alternative energy adoption?

Answer: Focus on removing the actual pollutants at refinery levels, engine combustion process levels and at coal burning sites for electricity plants – pursue economic, realistic energy transition replacement options, like small nuclear reactors, over time

11) What are the negative implications of pursuing a carbon-neutral policy?

Answer: Overall energy supply, plant life, 3rd world economies and their ability to improve, animal life and the environment (land use, etc.) are all negatively impacted.

This presentation, plus the detailed presentation supporting these findings, is in

<https://www.dropbox.com/scl/fi/zmdv7s2hwousomq52dvbg/Climate-Change-Complete-version.pdf?rlkey=o3lo8p1zluzqvli8aghcocm7v&st=nwe1g788&dl=0;>

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[Graeme Phipps Climate Change Presentation](#)

[Climate Greenland Ice Research – YouTube](#) 1000 years ago was 1.5 C warmer and 2.5C warmer 4000 years ago.

<http://youtu.be/KtjeNvTwYeU> Impact of global factors on climate (eg. Nina and El Nino effects)

[Henrik Svensmark & Nir Shaviv - How the sun regulates our climate](#)

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<https://youtu.be/agNX9a2vyQE?si=8dNFaujgOvYEYKGR> Ian Plimer Climate Change: The Facts

[Bing Videos](#) Exposing the Net Zero Agenda Paul Burgess

Climate The Movie <https://www.youtube.com/watch?v=A24fWmNA6IM>

<http://youtu.be/KtjeNvTwYeU> Causes of climate change

Importance of Sun on Climate [Willie Soon](#)

Milankovitch Cycles <https://www.youtube.com/embed/1Mj16tiUyl4>

[Feed | CO2 Coalition Discussion Group](#) Climate Change and Extreme Weather Events Jim Steele

[Bing Videos](#) Hunga Tunga satellite view Cause of climate change

<https://www.youtube.com/embed/1Mj16tiUyl4>

Water impact on global temperatures https://youtu.be/4swl8_4LfWc;

[Greatest Mysteries of Climate Change.](#)

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ii) Claims of crisis due to CO₂-induced Climate Change

[Dr. Patrick Moore - Carbon and Climate Catastrophe – YouTube](#)

Dr. Willie Soon [video](#) Historic CO₂ levels put in context with today's levels

Dr. Patrick Moore <https://www.instagram.com/reel/DH6NkhCKHJo/?igsh=MXBsdTJ4cW53MDMoYw==>

[Data shows there's no climate catastrophe looming – ...](#) Dr. John Christy, Distinguished Professor of Atmospheric Science, shows there is no evidence of climate catastrophes, or catastrophic weather events associated with added CO₂ www.foreignpolicyjournal.com/2016/01/01/nobel-laureate-ivar-giaever-on-climate-change Discredits claim of Global Warming as a crisis;

[Dr. Judith Curry - Bing video](#) Dr Judith Curry Discussion on Climate Change, including IPCC findings, historic development

[There's no emergency" – dissident climatologist Dr Judith Curry on climate change - YouTube](#)

<https://financialpost.com/opinion/lawrence-solomon-finally-its-safe-for-the-whistleblowers-of-corrupted-climate-science-to-speak-out>

<https://www.youtube.com/watch?v=DYWrehjaMFO> Dr. Richard Lindzen exposes climate change as a politic, profit ized power play

[Elimination of CO₂ is a suicide pact – Professor William Happer on climate change misconceptions – YouTube](#)

[Judith Curry: "Relax, there is no climate emergency!" – YouTube](#)

<https://youtu.be/KhCKYvETYDc?si=GWclipwVGiYTreDv> Jordon Peterson interview with Dr. Richard Lindzen

[Will Happer: CO₂, the Gas of Life | Tom Nelson Pod #158](#)

Alex Epstein <https://youtu.be/HWqv6RH-3WE?si=jgUvTxoGpdSi7-E8> importance of abundant, inexpensive energy

https://www.youtube.com/live/Ydl_47G8nzK?si=ZyBjf2dZEtNPV4K6 "Panel: Climate Science: the use of consensus"

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[It Is Easy Going Green](#) The value of added CO₂

https://youtu.be/oModxLDUcoc?si=gqgEgruSRWhBl_hq Net Zero is Dying Jacob Rees- Mogg

Are present CO₂ levels unusual? <https://www.instagram.com/reel/DQtkpoBjzAT/?igsh=MTg5NHfHMXV5dWF6ag==>

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ii) Claims of crisis due to CO₂-induced Climate Change

The planet has been much warmer than it is now. Modern human civilisation has developed over just the past 10,000 years. The period has generally been one of low temperatures and relative global climate stability. Whistleblowers reveal false reporting by agencies

[\(5479\) Unsettled: Climate and Science | Dr. Steven Koonin | EP 323 – YouTube](#) Dr Jordan B Peterson and Dr. Steven Koonin discuss the IPCC reports – the research on climate change and how policymakers take summaries to justify their agenda, despite what reports say.

[\(97\) Climate Change: Separating Fact from Fear | Dr. Judith Curry | EP 329 - YouTube](#)

Interview with Dr Judith Curry and Dr. Jordan Peterson

<https://youtu.be/oYhCQv5tNsQ> The Great Global Warming Swindle BBC March 8, 2007

<https://youtu.be/pV7TZzD1N5Q> Washington Post "Global Heat Waves

Shows media misrepresentation in reporting recent climate extremes and disasters [\(1324\) The Inconvenient Truth About Climate Science — Steven Koonin – YouTube](#)

[Inconvenient Truth: 32 Climate Predictions Proven False | Facts Matter \(youtube.com\)](#)

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[What's the Science Behind EPA's Proposed Rollback of Climate Regulations? | NTD William Happer, Gregory Wrighstone](#)

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Rogan's short clips <https://youtu.be/6bJsWeoNjmg> <https://youtu.be/zJng54iRhCM> <https://youtu.be/mdlGiBEBaQA> <https://youtu.be/fPWU23qzPSO> <https://youtu.be/uV61bIEEbzM> <https://youtu.be/lRWQ32FGX8o>

[Climate Change Myths Part 1: Polar Bears, Arctic Ice, and Food Shortages](#)

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iii) CO₂ impact on climate and the world

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<https://youtu.be/BiKfWdXXfls> Dr. Freeman Dyson Stated views that increasing CO₂ is good

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<https://www.youtube.com/watch?v=LYHRngcYyB8> the importance of Energy John Constable

<https://youtu.be/JCt2MhOzWVE?si=StLeINo6uTMDXAo6> Information on ice age

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Watch an overview of Mars including temperature information [here](#)

Australian debate <https://youtu.be/OlgHSqIA-6o?si=uldWZe2hp-pRZN9S/>

[Ocean Acidification True or False - Exploding the Myth](#) Paul Burgess

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USA: moves away from carbon-neutral policy and related initiatives <https://youtu.be/FFgdSJEhx1Y?si=iHUgK1hdAmkpsKPI>

UK: Reform UK Party's position also moves away from carbon-neutral policy: <https://www.msn.com/en-gb/video/news/man-made-climate-change-is-garbage/vi-AA1z94Ta?ocid=msedgntp&pc=HCTS&cvid=cfa592b2dcaf468fb1500aed4da18925&ei=11>

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[NASA Engineer Tom Moser Reveals the Truth About Climate Science - YouTube](#)

https://youtu.be/pHCCE-sw_Sc <https://youtu.be/PblYr-KjOVY> CO₂ Professor William Happer

Shows additional CO₂, the main food for plants, is good for the world. The world has had 4 to 10 times more CO₂ concentrations and is presently starved of CO₂. Climate is changing all the time. There is very little evidence that mankind has made an impact on climate change.

[\(3812\) Why Has Global Warming Paused? – William Happer – YouTube](#)

Detailed scientific discussion on the nature of CO₂, and its impact on warming shows that model forecasts are not even close to being correct.

<https://youtu.be/M8iEEO2UIbA> William Happer

More CO₂ is a benefit, computer models predicting the impact of added CO₂ on warming are 2 to 3 times exaggerated. Climate has always been changing and the impact of added CO₂ is minimal.

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_ Discusses Climate Science, energy systems and factors behind the climate emergency movement

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[A Runaway Greenhouse Effect On Earth is Very Unlikely \(youtube.com\)](#)

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[Climate I: Is The Debate Over? –YouTube](#) Dr. Hadi Dowlatabadi (UBC) & Dr Richard Lindzen (MIT)
Discusses concerns and fallacy of predictions of future climate and related environmental impacts from computer models, plus concerns with NASA predictions

[John Christy: Climate models for politics?... "A bridge too far" –YouTube](#)

Demonstrates the serious problems with climate change models and IPCC forecasts

Limitations of wind farms <https://youtu.be/ogqVE6VFFtI?si=eGew3ldscgir1rKJ>

<https://www.youtube.com/watch?v=b50yv8l6l-g> Dr. Willie Soon Clearly demonstrates the serious problems with climate change models and IPCC forecasts plus discussed the solar radiation impact on climate

https://www.youtube.com/watch?v=hQt_I-RvGF4; Paul Linsay An Analysis of Climate Models He shows: Temperature effect of doubled CO₂ is “Zero”.

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v) The CO₂ environmental movement's world impact

[Climate Science: What Does it Say? | Dr. Richard Lindzen | EP 320 – YouTube](#) Dr. Lindzen and Jordan Peterson

[This](#) presentation The Energy Transition Delusion: Inescapable Mineral Realities Mark Mills Rejects 'Climate Change' as a quasi-religious movement

[\(5084\) The Great Climate Con | Alex Epstein | #312 – YouTube Alex Epstein](#) Alex Epstein and Jordan Peterson

<https://www.youtube.com/watch?v=ZFHHOBiUrkg> What might be driving the Climate Crisis narrative

https://youtu.be/--QS_UyW2SY Jordan Peterson talk on negative implications of "group think" and global concerns regarding the supposed "Climate Crisis"

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[Doomberg - You Can't Have Heavy Industry With A Dumb Energy Policy](#)

[\(2233\) The Lowdown On Climate "Science" – YouTube](#) Shows the pressure for academics to conform

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[Why read The Unpopular Truth... – The Unpopular Truth](#) Problems with wind and solar power

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- 3) **Fake Invisible Catastrophes and Threats of Doom** Dr. Patrick Moore PhD Ecology, co-founder of Greenpeace
- 4) **Confessions of a Greenpeace Dropout The Making of a Sensible Environmentalist**
 - Dr. Patrick Moore PhD in Ecology, co-founder of Greenpeace
- 5) **Hot Talk Cold Science** - S. Fred Singer PhD in Physics
- 6) **Climate Change Reconsidered** - S. Fed Singer, Craig Idso
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60 Referenced Scientists, Professionals

- **Ron Barmby** Professional Engineer
- **Robert Bryce** reporter, author, filmmaker, and public speaker on energy, power, and politics
- **Paul Burgess** BSc, MSc, C. Eng
- **Dr H. Sterling Burnet** Director, Arthur Robinson Center Climate and Environmental Policy, editor of Environment & Climate News.
- **Dr. Byron Caplan** professor of economics George Mason University
- **Dr John Christy** professor of Atmospheric Science and Director Earth System Science Centre Univ. of Alabama
- **Roy Clark** retired engineer and climate researcher, Noble Prize for work on Climate Model Errors
- **Dr. John Clauser** [recipient of the 2022 Nobel Prize in Physics](#) ; degrees from Caltech and Columbia University.
- **Dr. John Constable** Cambridge, Renewable Energy Foundation
- **Dr. Judith Curry** climatologist and former chair of School of Earth and Atmospheric Sciences at the Georgia Institute of Technology.
- **Dr. Hadi Dowlatabad** (UBC) Canada Research Chair, Inst for Resources, Environment & Sustainability,
- **Dr Freeman Dyson** PhD math, physics, Institute for Advanced Study in Princeton.
- **Alex Epstein** philosopher and energy expert, creator of EnergyTalkingPoints.com and Center for Industrial Progress
- **Dr Ivan Giaever** engineer and physicist who shared the Nobel Prize in Physics
- **Tom Gallagher** MSc Geoscientist
- **Steven Goreham** scholar, researcher in energy/environmental policy, engineer and business executive
- **Ken Gregory** B.AppSc, professional engineer

60 Referenced Scientists, Professionals

- **Dr. William Happer** Professor Physics, Princeton University, specialized in atomic physics, optics, spectroscopy
- **Dr. Ole Humlum** Meteorologist, former Professor of Physical Geography at the University Centre in Svalbard, Norway, and Emeritus Professor of Physical Geography, University of Oslo, Norway.
- **Dr. Les Hatten** mathematician, geophysicist, computer scientist, career in weather prediction and climatology
- **Dr. Howard “Cork” Hayden** Prof. Emeritus of Physics, University of Connecticut, USA
- **Tony Heller** realclimatescience.com
- **Dr. Roger Higgs** geologist **Walt Johnston** geophysicist
- **Vijay Jayaraj** MS environmental sciences U of East Anglia and postgrad degree in energy management from . Robert Gordon University and a Bachelor’s in engineering from Anna University India
- **Dr. Steven Koonin** theoretical physicist, former director the Center for Urban Science and Progress at New York U
- **Lord Nigel Lawson** British politician, journalist who served Financial Secretary-Treasurer and Secretary of State Energy
- **Dr Richard Lindzen** (MIT) American atmospheric physicist atmosphere, atmospheric tides, and ozone photochemistry
- **Bjorn Lomborg** visiting fellow at the University of Stanford
- **Dr. Wallace Manheimer** – leading nuclear physicist
- **Dr. Euan Mearns** Geology Honorary Research Fellow at The University of Aberdeen
- **Mark Mills** Energy Expert and Senior Fellow Manhatan Institute
- **Lord Christopher Monckton** Cambridge graduate, journalist and political advisor
- **Patrick Moore** – ecologist UBC, co-founder of Greenpeace
- **Dr. Tom Moser** NASA Engineer
- **Jeremy Nieboer** Lawyer educated at Harrow School and Oxford
- **Dr. Roger Pielke Jr** Ph.D. in [political science](#), all from the [University of Colorado Boulder](#)
- **Ian Plimer** Geologist
- **Dr. Jordan Peterson** Psychologist

60 Referenced Scientists, Professionals

- **Kathryn Porter** an independent energy consultant, Master's degree in Physics and an MBA
- **Lord Matt Ridley** a science and environment writer, journalist and businessman
- **Dr. M.J. Sangster** Author of The Real Inconvenient Truth: It's Warming, but It's Not CO₂
- **Lars Schernikau and William Smith**
- **Michon Scott and Rebecca Lindsey** Paper of earth temperature history
- **Dr. Nir Shaviv** Professor at the Racah Institute of Physics of the Hebrew University of Jerusalem.
- **Michael Shellenberger** Environmentalist
- **Dr S. Fred Singer** Atmospheric physicist, emeritus professor of environmental science, U. of Virginia
- **Lawrence Solman** Executive director of Energy Probe an environmentalist group
- **Dr. Willie Soon** –Astrophysicist and geoscientist Center for Environmental Research and Earth Sciences
- **Jim Steele** Master's degree in ecology from San Francisco State University
- **Jerger Peder Steffensen**, Curator Nels Bohr Institute Department of Geophysics
- **Ronald Stein** Professional Engineer
- **Dr. Henrik Svensmark** Professor in the Division of Solar System Physics Danish National Space Institute I
- **Dr. Javier Vinos**, Researcher Howard Hughes Medical Institute, UK Medical Research Council, Spanish Scientific Research Council
- **Dr. Van Wijngaarden** is a professor in the Department of Physics and Astronomy at York University in Toronto
- **Anthony Watts** A former [television meteorologist](#) and current radio meteorologist
- **Dr. Mathew M. Wielicki** Earth Science Professor
- **Gregory Wrightstone** Geologist a Senior Fellow at the Cornwall Alliance, Executive Director CO₂ Coalition
- **Professor Antonino Zichichi** holder of Italy's, Knight Grand Cross of the Order of Merit of the Italian Republic

Research Findings

Biography of Graeme Phipps compiler of this presentation material

- A professional Geophysicist/Geologist and director of 2 oil and gas companies with over 50 years experience in the International oil and gas industry. Graeme has spent 21 years as director of various companies (11 different Boards, 7 public, with roles on Audit, Reserves, Compensation, Corporate Governance, EH&S and Special Committees plus being Chairman of one public company, plus the principal of Phipps and Associates – an oil and gas consulting firm). Graeme was President of CEP International/PetroKamchatka Plc./East Siberian Plc. (2007 – 2020). In 2005, Executive VP of PetroKazakhstan to become President and CEO which was successfully sold for \$4.2B in late 2005. Exploration and International VP for Petro-Canada (2001 -2002) and VP Corporate Planning and VP Canadian Division for Nexen (1994 -2001). Graeme spent his first 20 years (1974 -1994) with Esso Resources and Exxon in technical, operational and management roles.
- Oil and gas experience in the Western Canada Basin, the Beaufort Sea area, the Arctic Islands and off the East Coast in Canada, the Gulf of Mexico USA, Yeman, North Africa, Romania, China, Gambia, Australia, Malaysia, Indonesia, Nicaragua, UK North Sea, Kazakhstan, Russia.
- Consulting and advisory experience (2002 – present) as the principal of Phipps and Associates, an Oil and Gas Executive Management consulting company, plus 5 years experience in Corporate planning: three years as VP Corporate Planning and Business Development at Nexen and two years with Exxon in their NY head office.
- Presently a director Tundra Oil and Gas Ltd and Buried Hill Serdar Ltd. and recently a member of the Public Accounts Committee, Government of Jersey