

Bäume sind die Antwort

Patrick Moore PhD
Halle
September 25, 2019

Winter Harbour, Vancouver Island, 1952

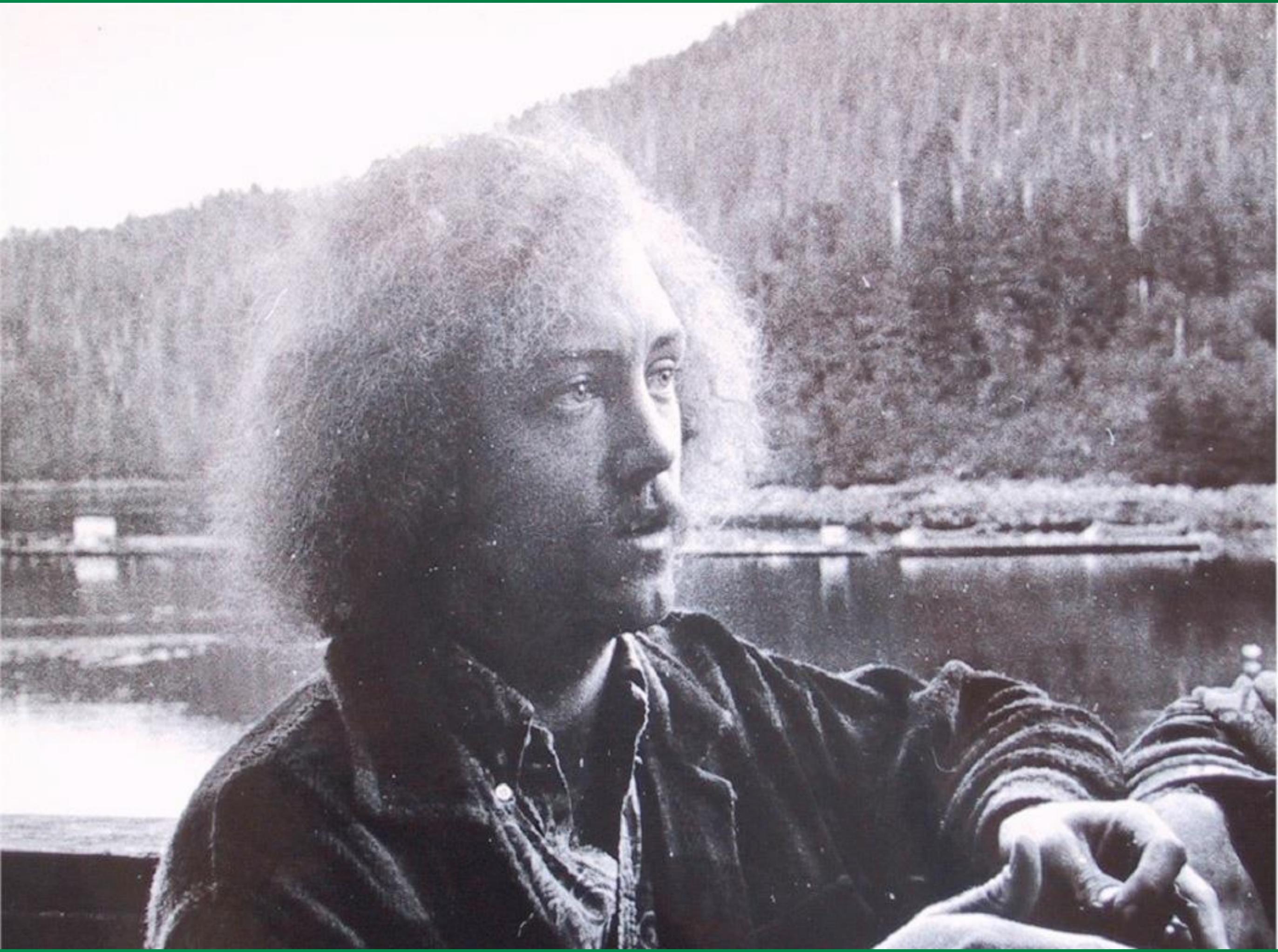


Mein Zuhause →



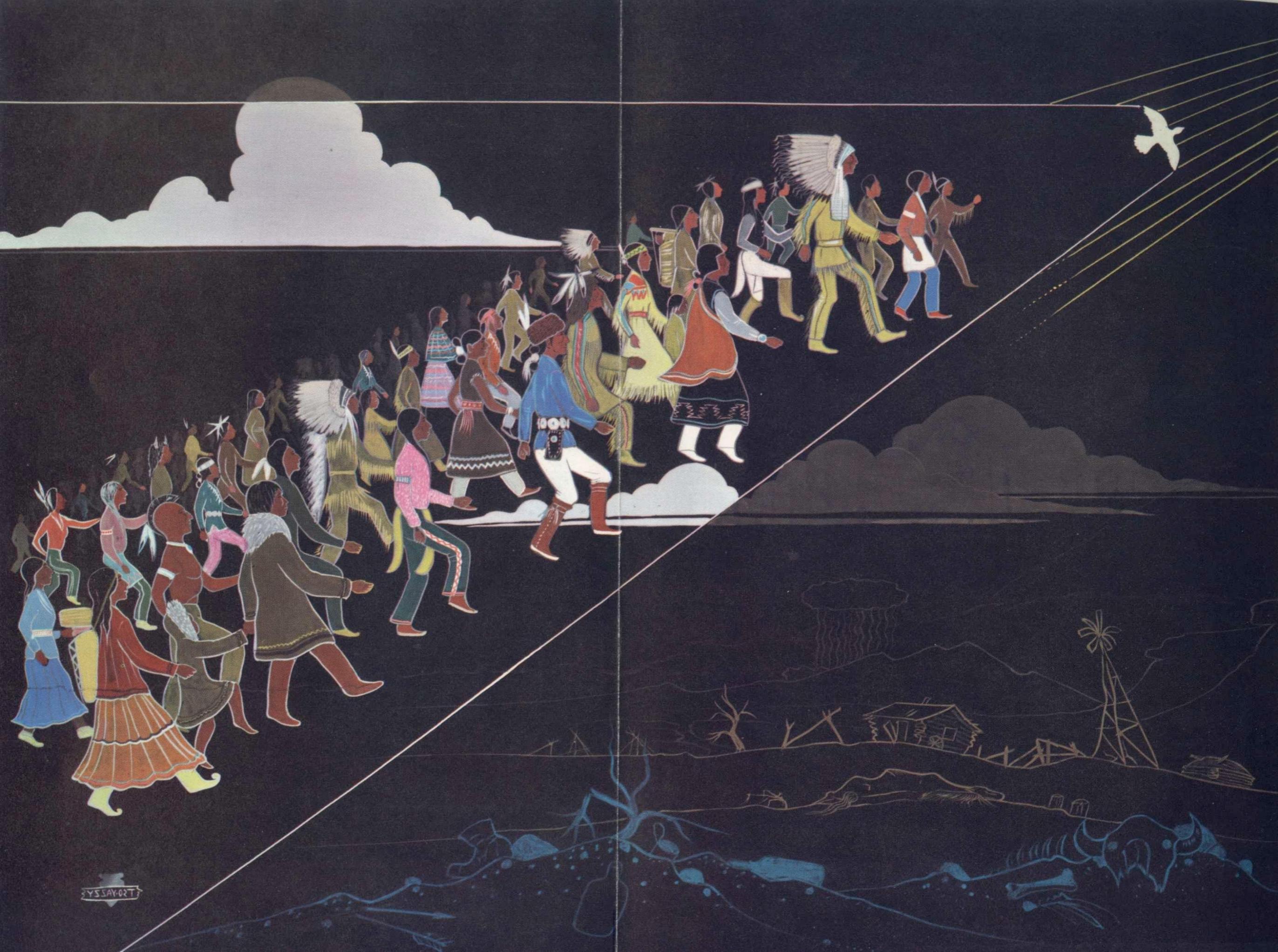


















RAINBOW WARRIOR

PACIFIC

















Why I Left Greenpeace After 15 Years



Greenpeace lost its humanitarian perspective and drifted into a belief that humans are the enemies of the earth.



Zumindest beschuldigt sie niemanden

1985

**Greenpeace Says Chlorine is
“The Devil’s Element”
Calls for Global Chlorine Ban**

**The addition of chlorine to drinking water
is the single biggest advance
in the history public health.**

**75% of our synthetic medicines are
based on chlorine chemistry**

**Greenpeace began to adopt positions that I did not agree
with from a scientific perspective. The Ban Chlorine
Worldwide campaign gave me no choice but to leave.**



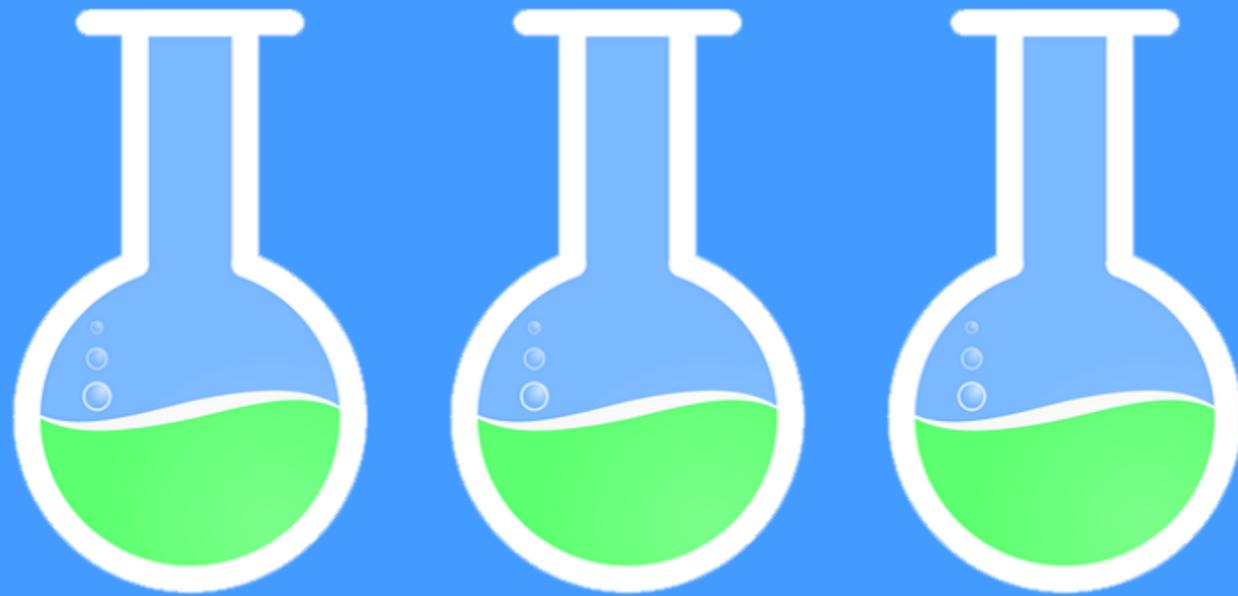


Observation



Ich kann CO2 sehen

**"Ich möchte, dass du
in Panik gerätst"**



Good Science

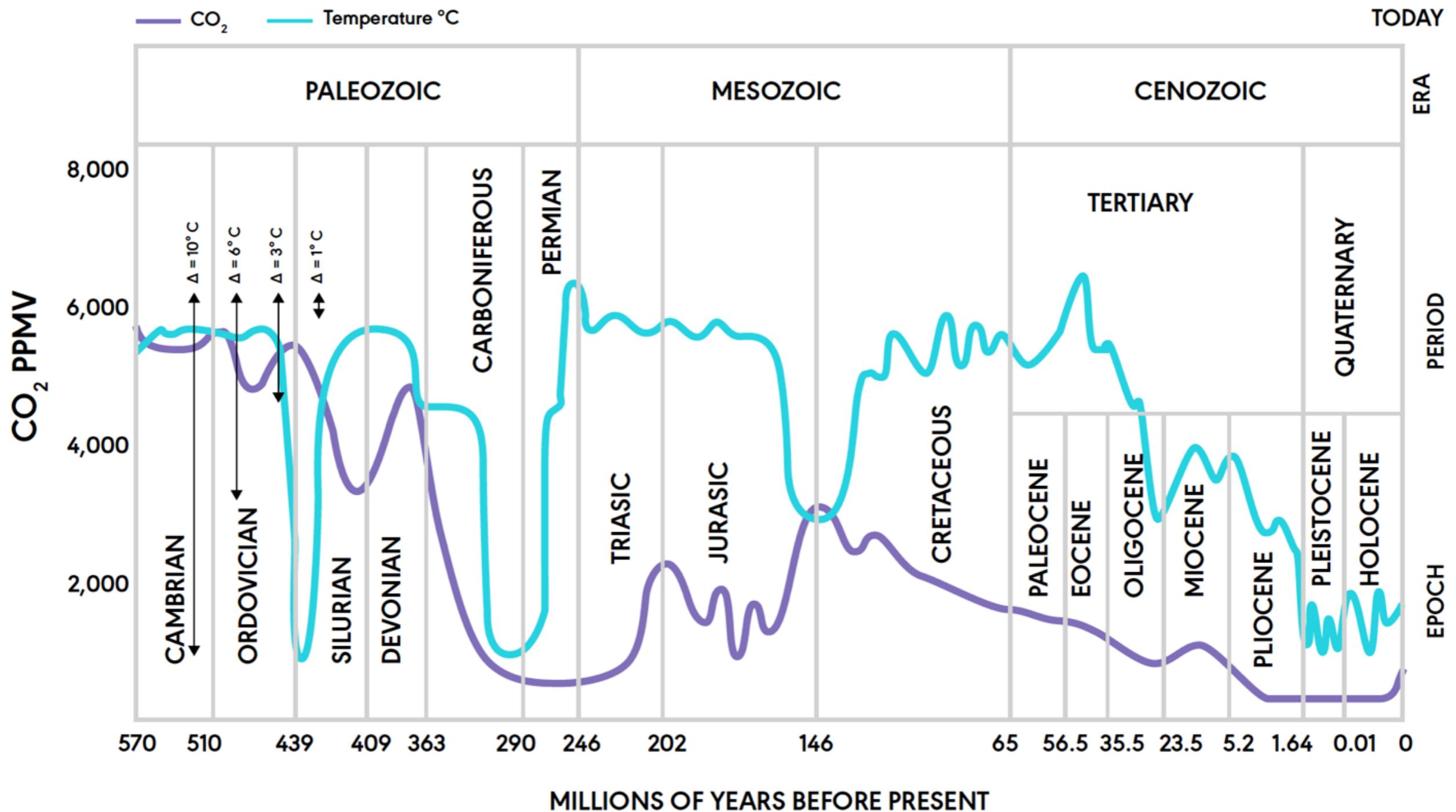


Bad Science

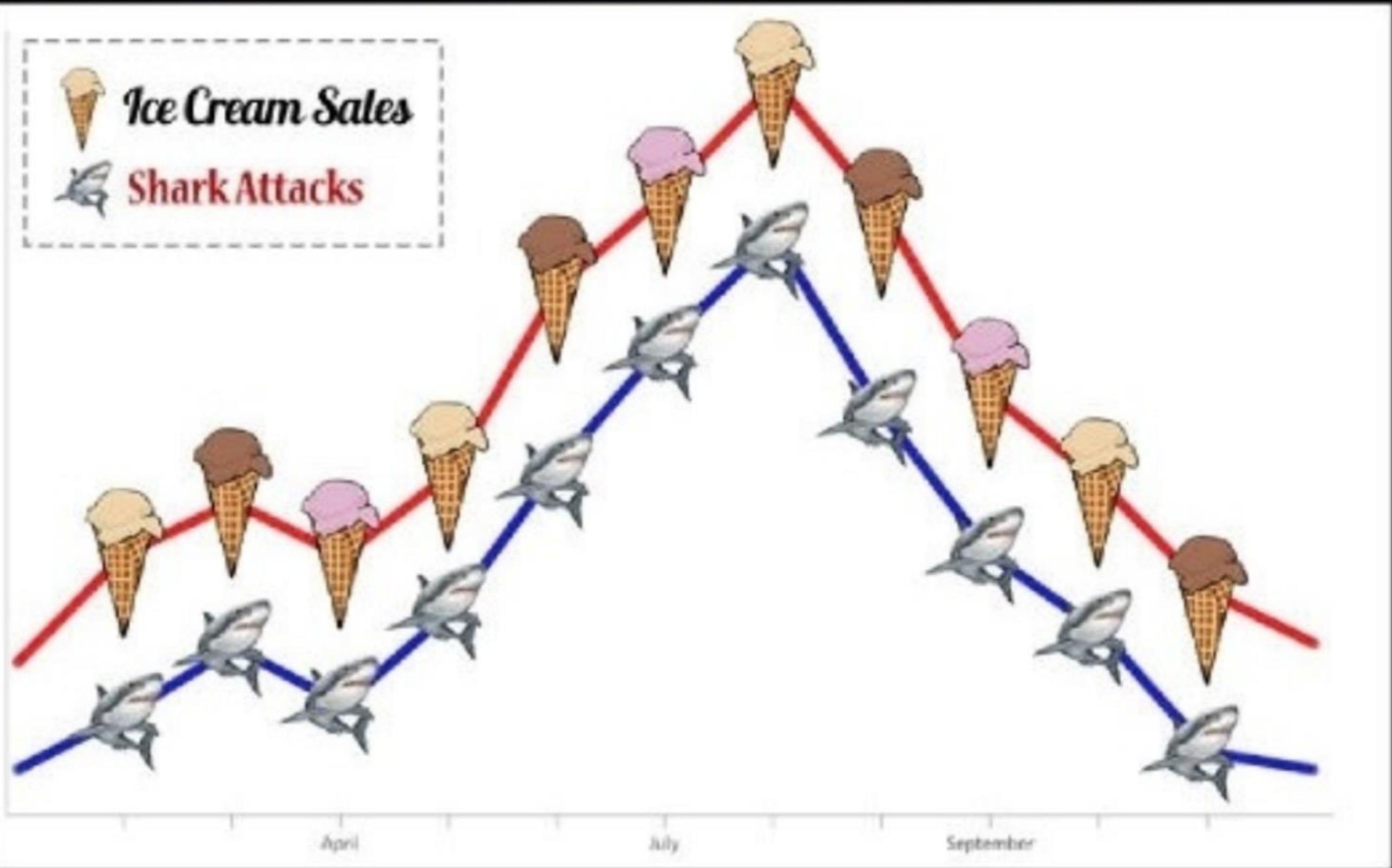
Replication or Reproducibility

Observing the same results repeatedly under identical or very similar circumstances reinforces your belief in the observation and leads to truth.

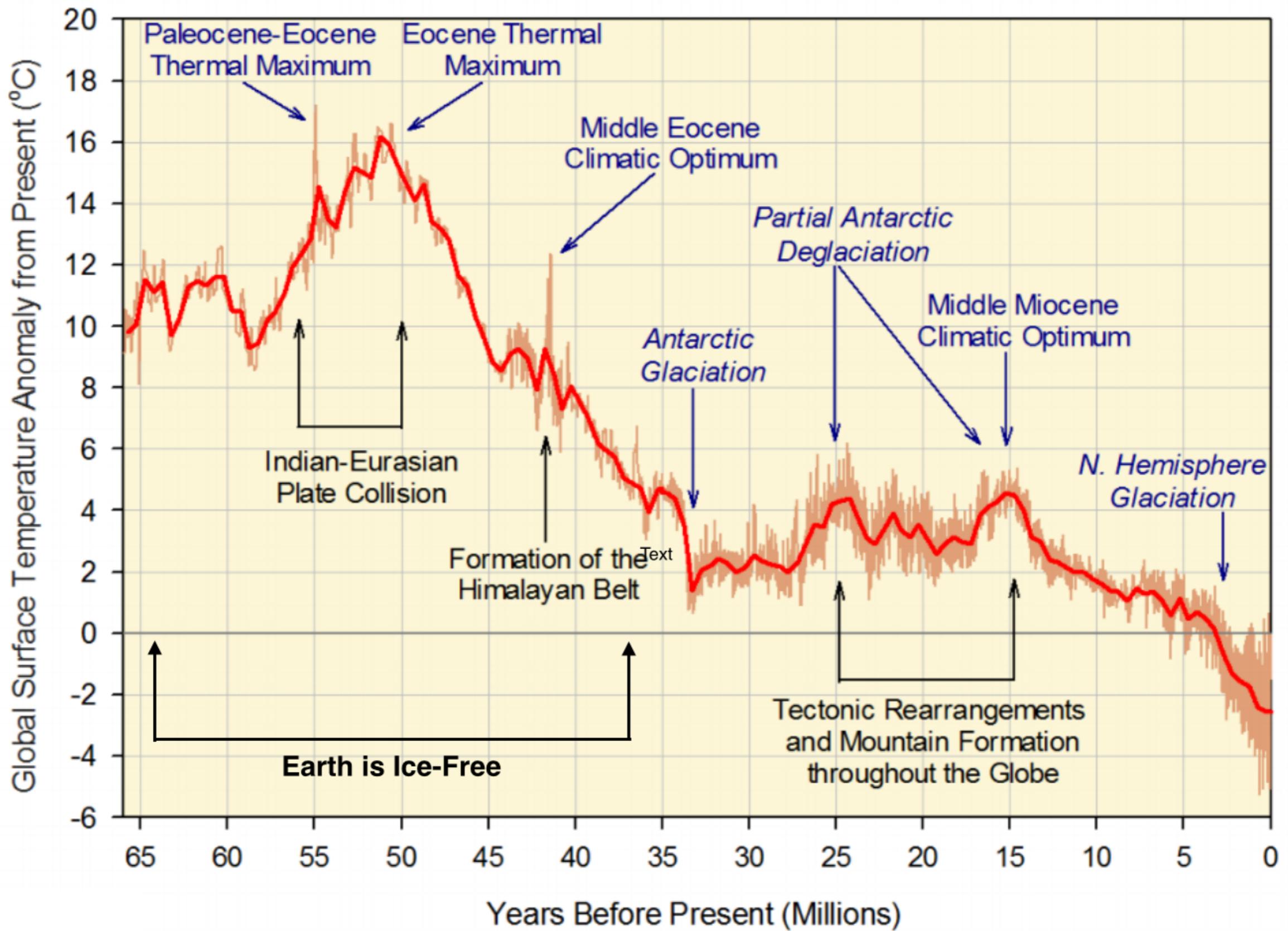
Observation and replication are the basis of sound science



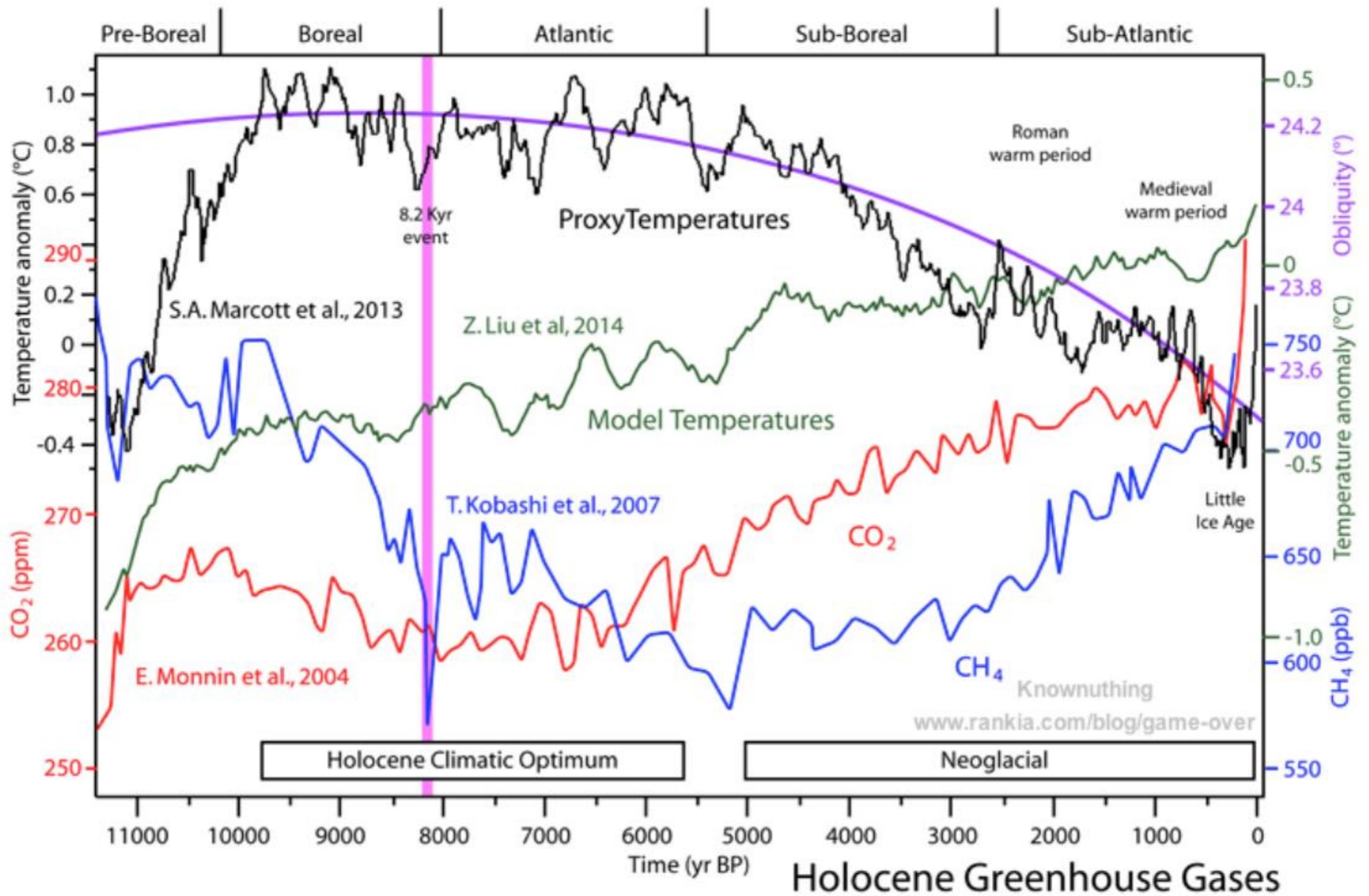
**Correlation is not necessarily Causation
but
Causation requires Correlation**



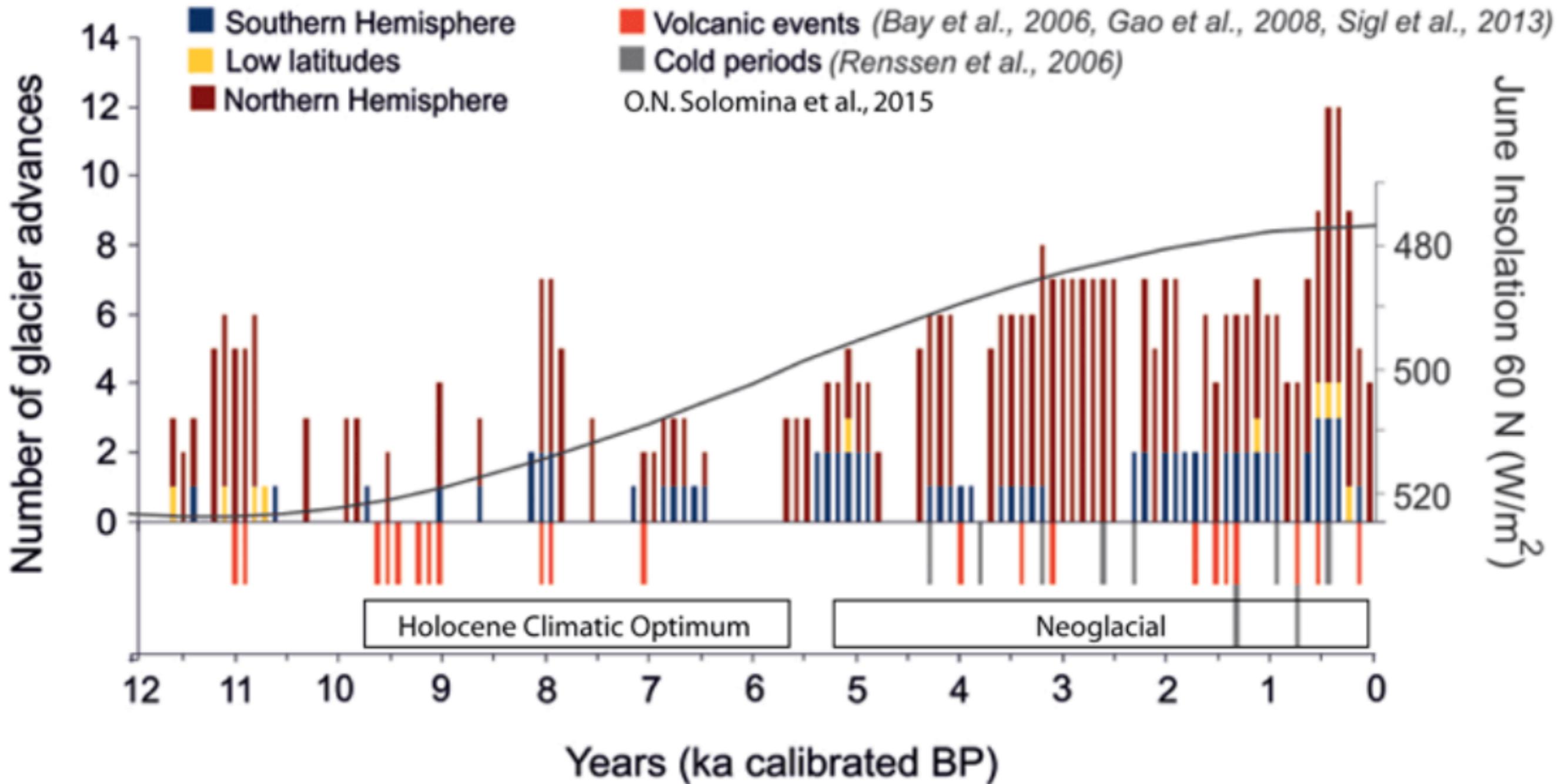
Perfect Correlation, but eating ice cream does not Cause shark attacks, or vice versa. A third factor, temperature, causes them both to peak in summer months.



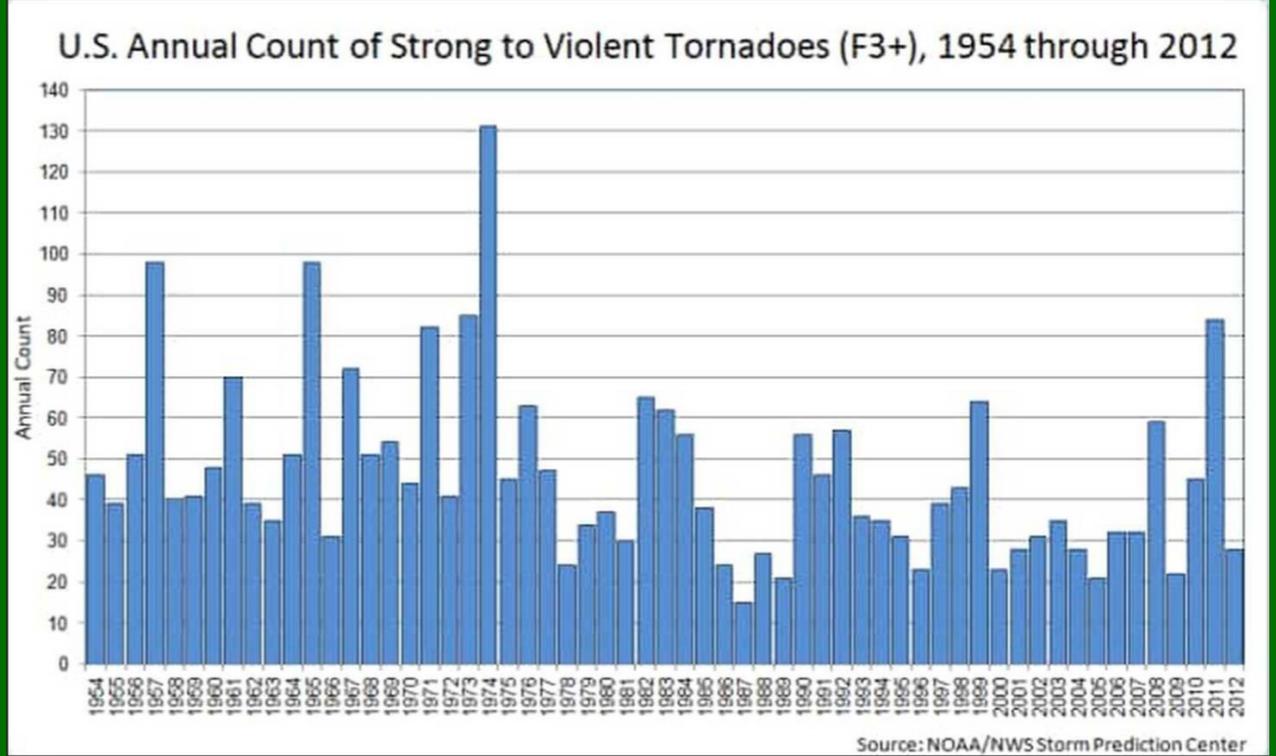
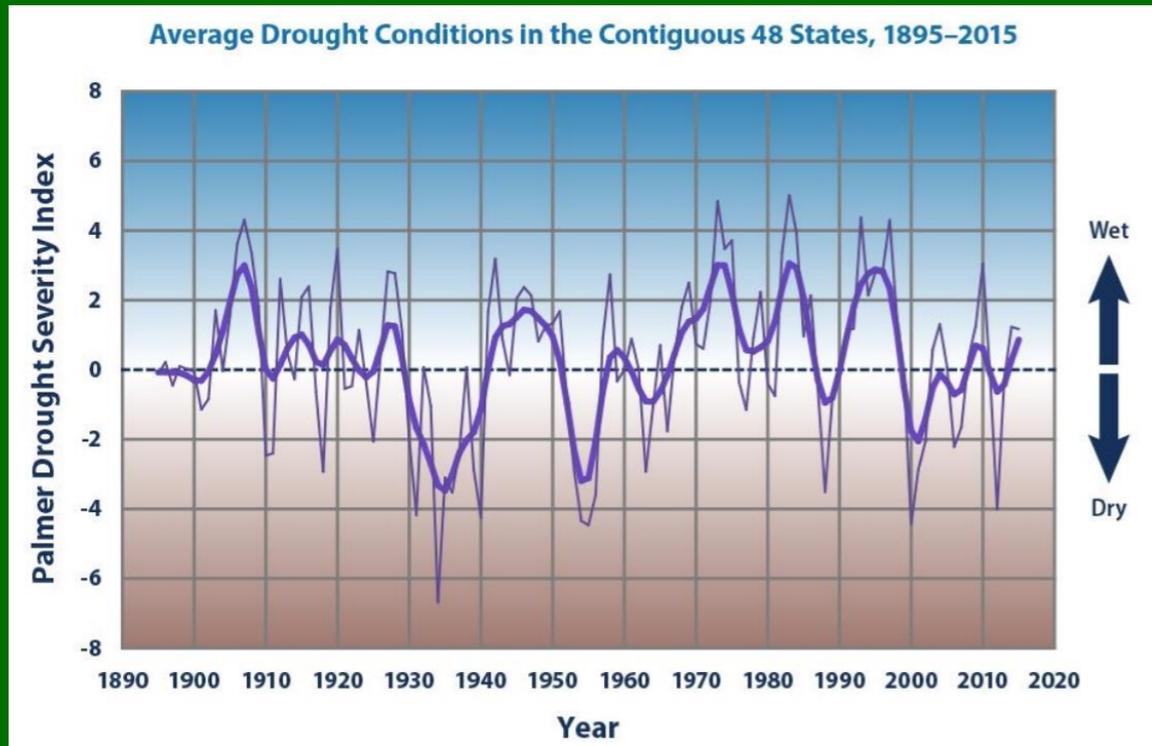
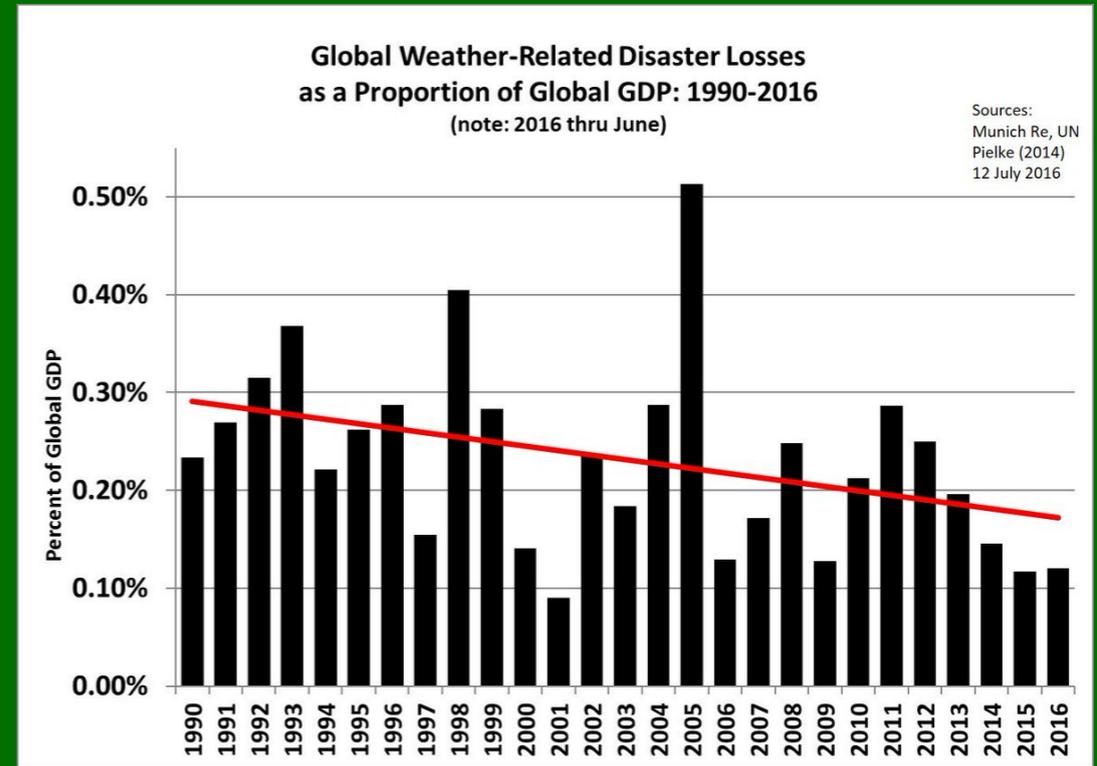
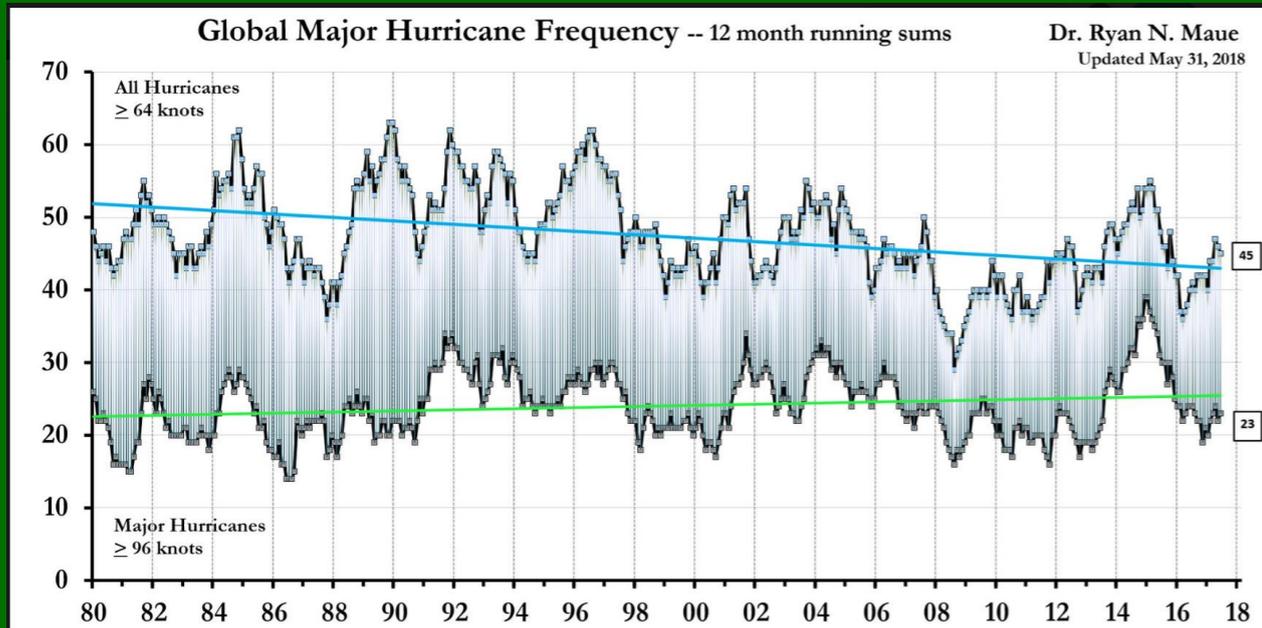
Dynamics of global surface temperature during the Cenozoic Era reconstructed from ^{18}O proxies in marine sediments (Hansen et al. 2008).



The Holocene Conundrum
Temperature Drops while CO₂ Rises



Global Glacial Advances During the Holocene



There has been no Increase in Extreme Weather in recent history- IPCC

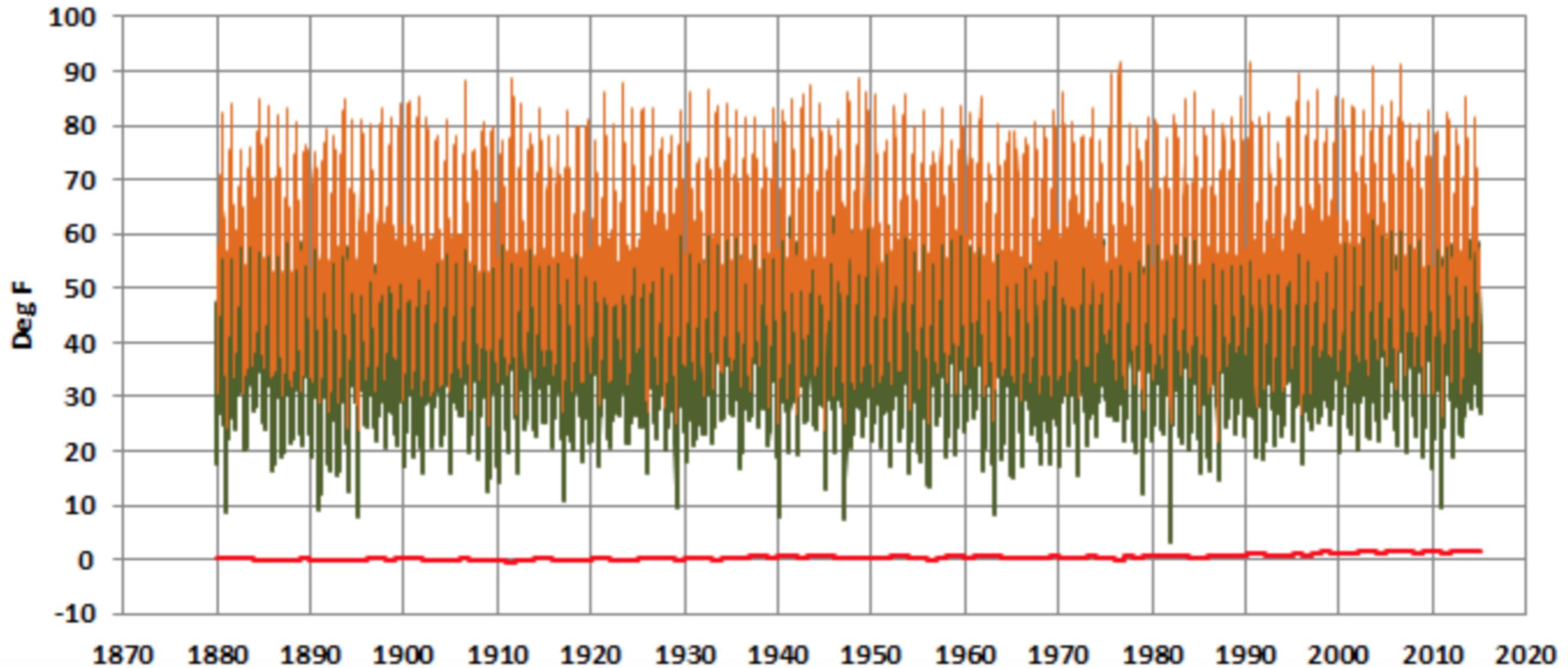
Absolutely Nothing in Today's Weather or Climate is Out of the Ordinary with the past 10,000 years.

Daily Central England Maximum and Minimum Temperatures (CET Tmax and Tmin)

January 1, 1880 to Dec 31, 2014

Annual Global Surface Temperature Anomalies (HadCRUT4)

1880-2014 (Reference: 1880-1889)



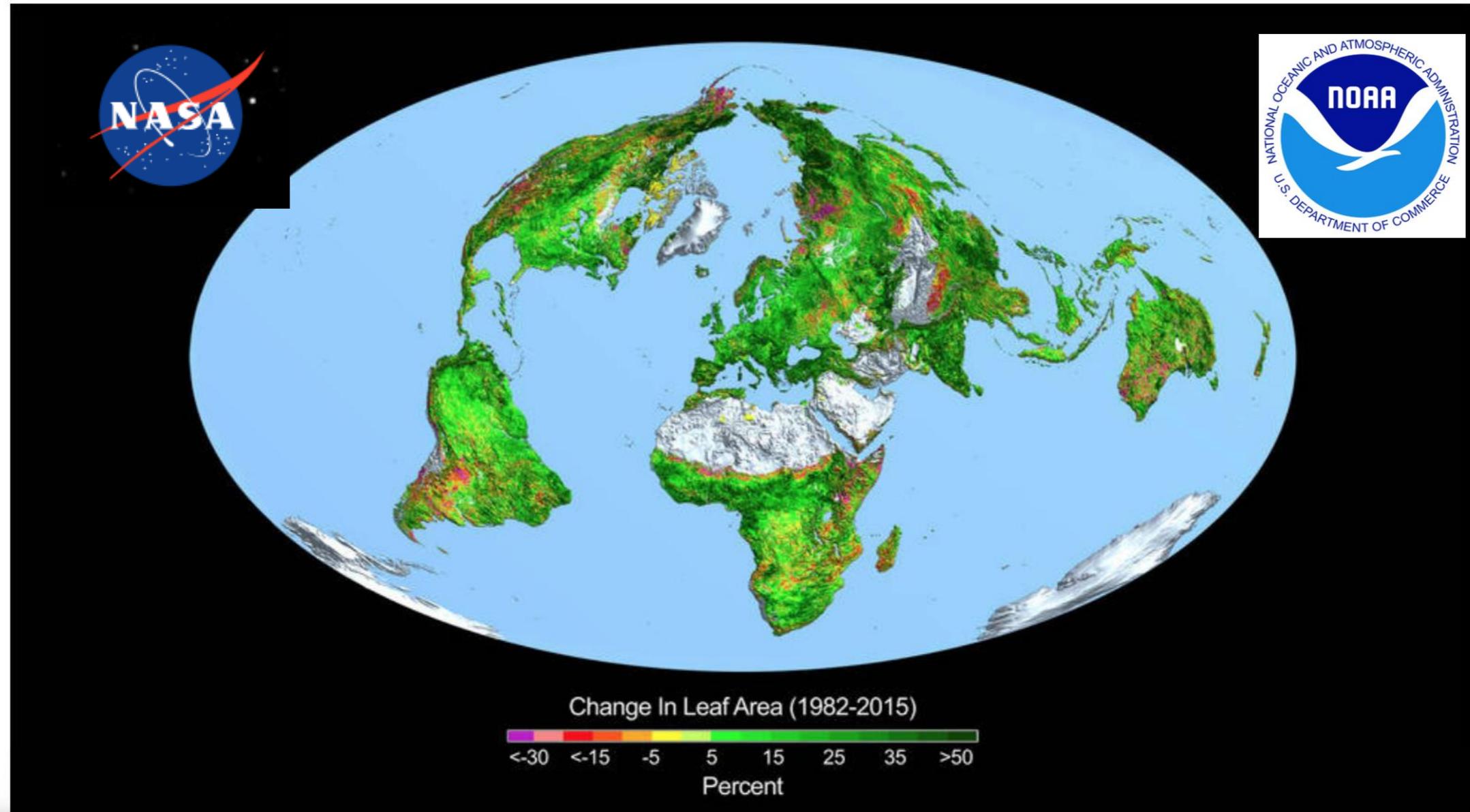
The Y-Axis Effect. Often abused to make appearance of major changes

Carbon Dioxide Fertilization Greening Earth, Study Finds

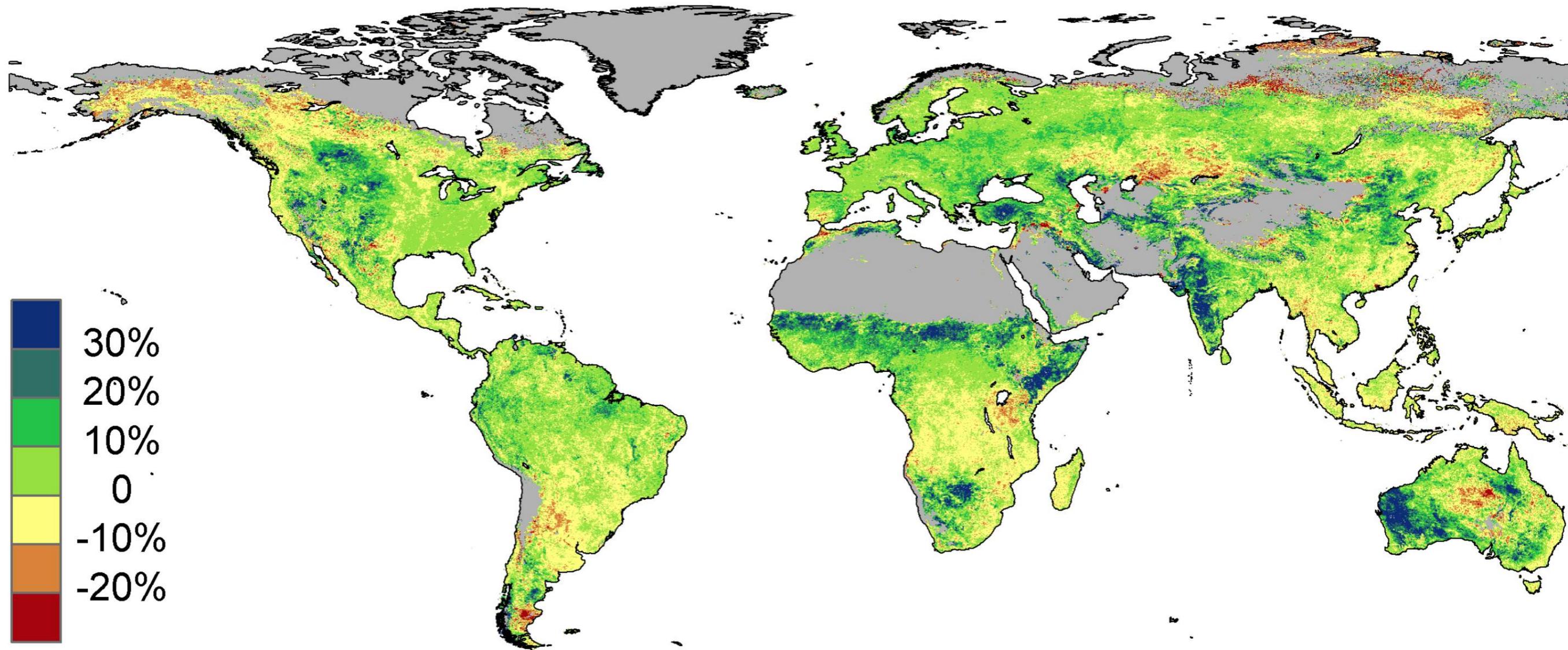


From a quarter to half of Earth's vegetated lands has shown significant greening over the last 35 years largely due to rising levels of atmospheric carbon dioxide, according to a new study published in the journal *Nature Climate Change* on April 25.

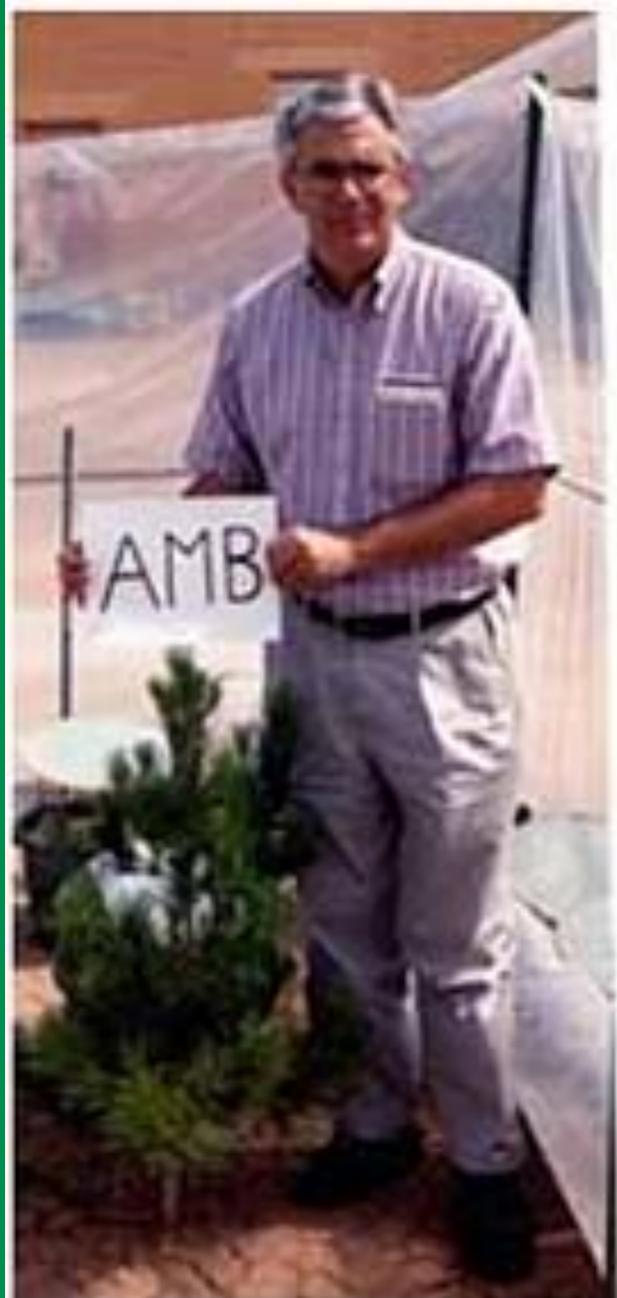
An international team of 32 authors from 24 institutions in eight countries led the effort, which involved using satellite data from NASA's Moderate Resolution Imaging Spectrometer and the National Oceanic and Atmospheric Administration's Advanced Very High Resolution Radiometer instruments to help determine the leaf area index, or amount of leaf cover, over the planet's vegetated regions. The greening represents an increase in leaves on plants and trees equivalent in area to two times the continental United States.



While there is no Scientific Proof that CO2 is Causing the Recent Warming It is Absolutely Certain the Increased CO2 is Greening the Earth.



**Human CO2 emissions are characterized as the destroyer of life
When in fact they are life's salvation**



Bäume wachsen viel schneller bei einem höheren CO₂-Gehalt

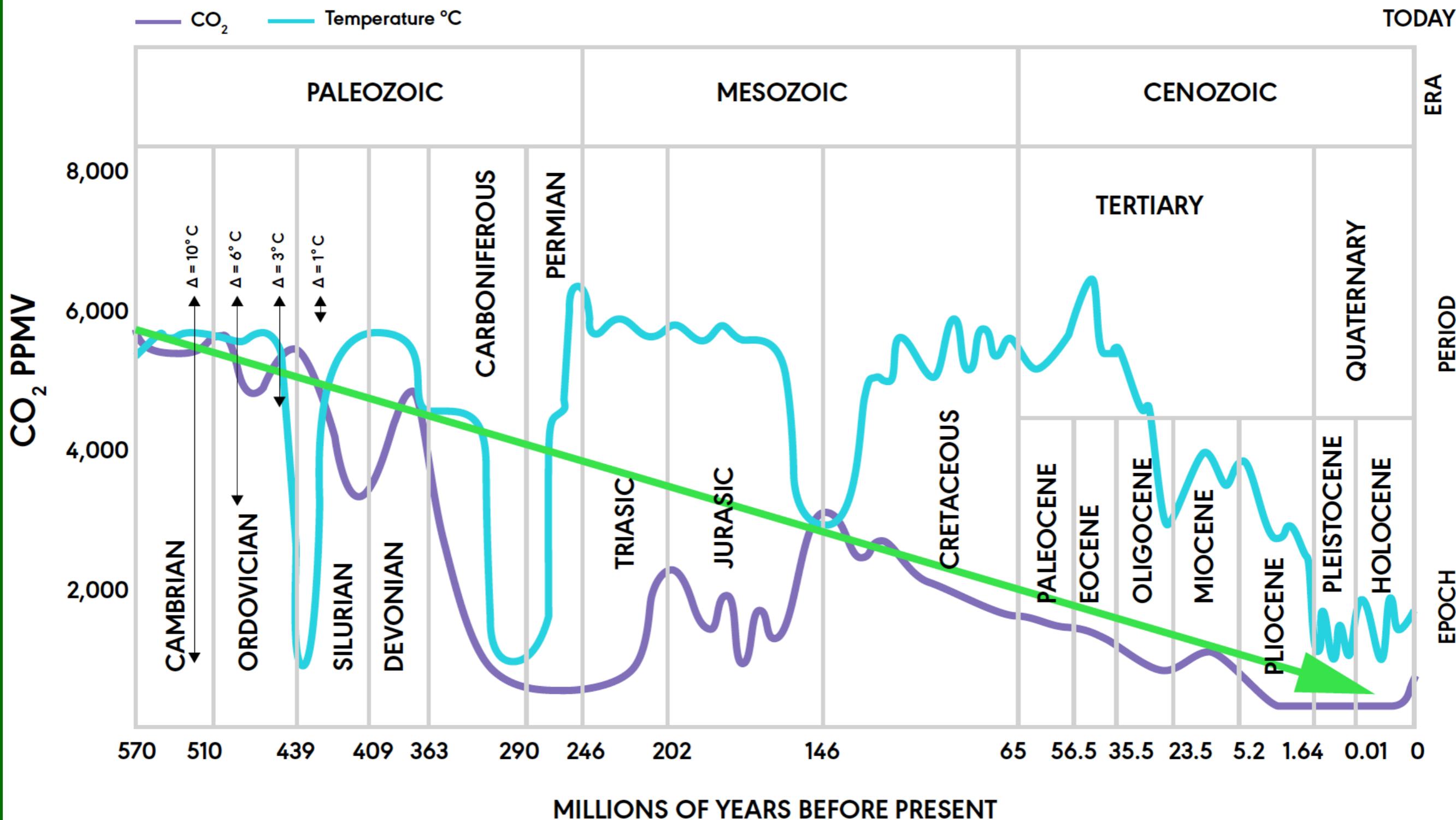


Bigger, better and tastier tomatoes with CO₂

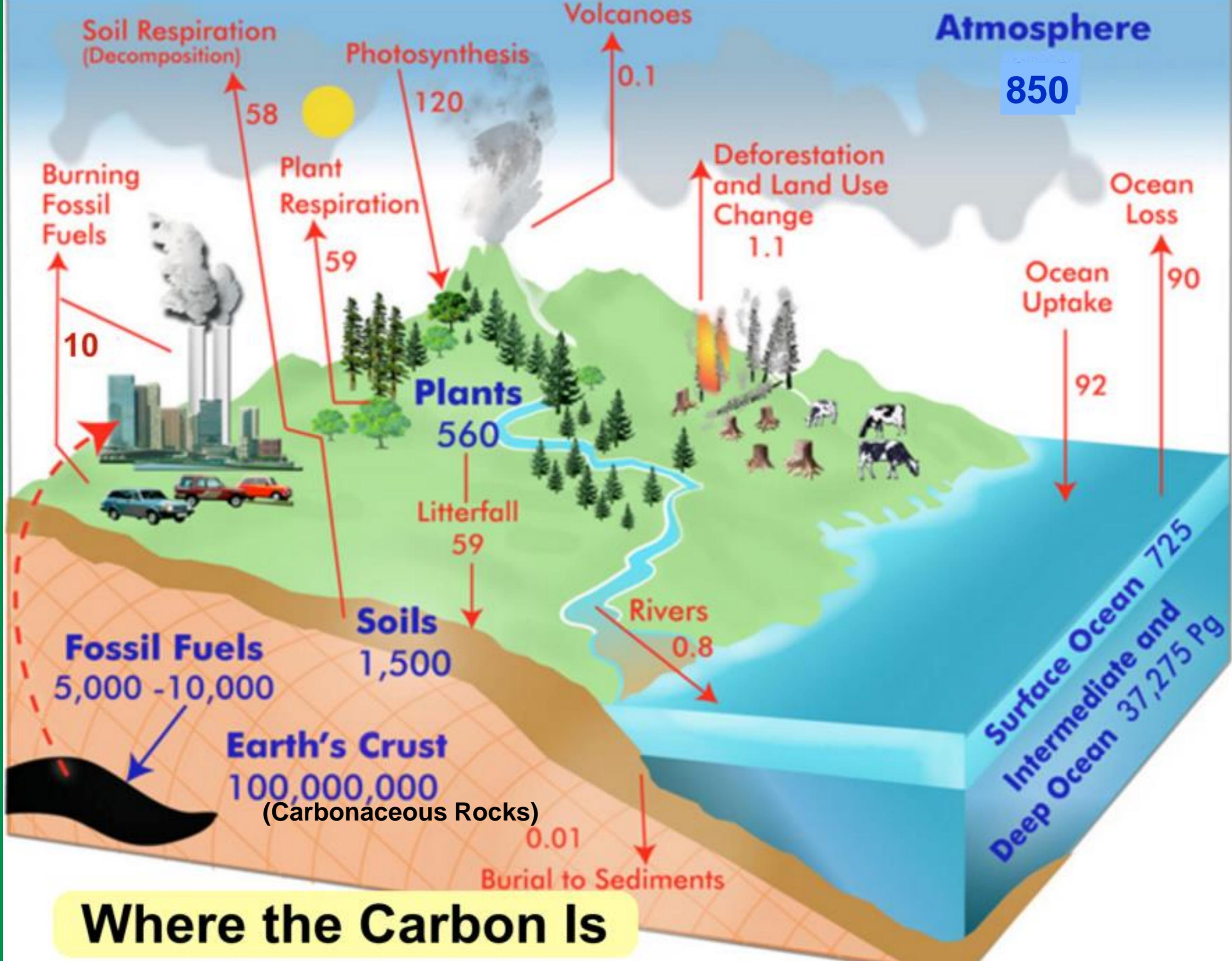
© MARCH 19, 2018

Gewächshausbauern auf der ganzen Welt pumpen CO₂ hinein ihre Gewächshäuser bei 800-1500 ppm, um das Wachstum zu fördern

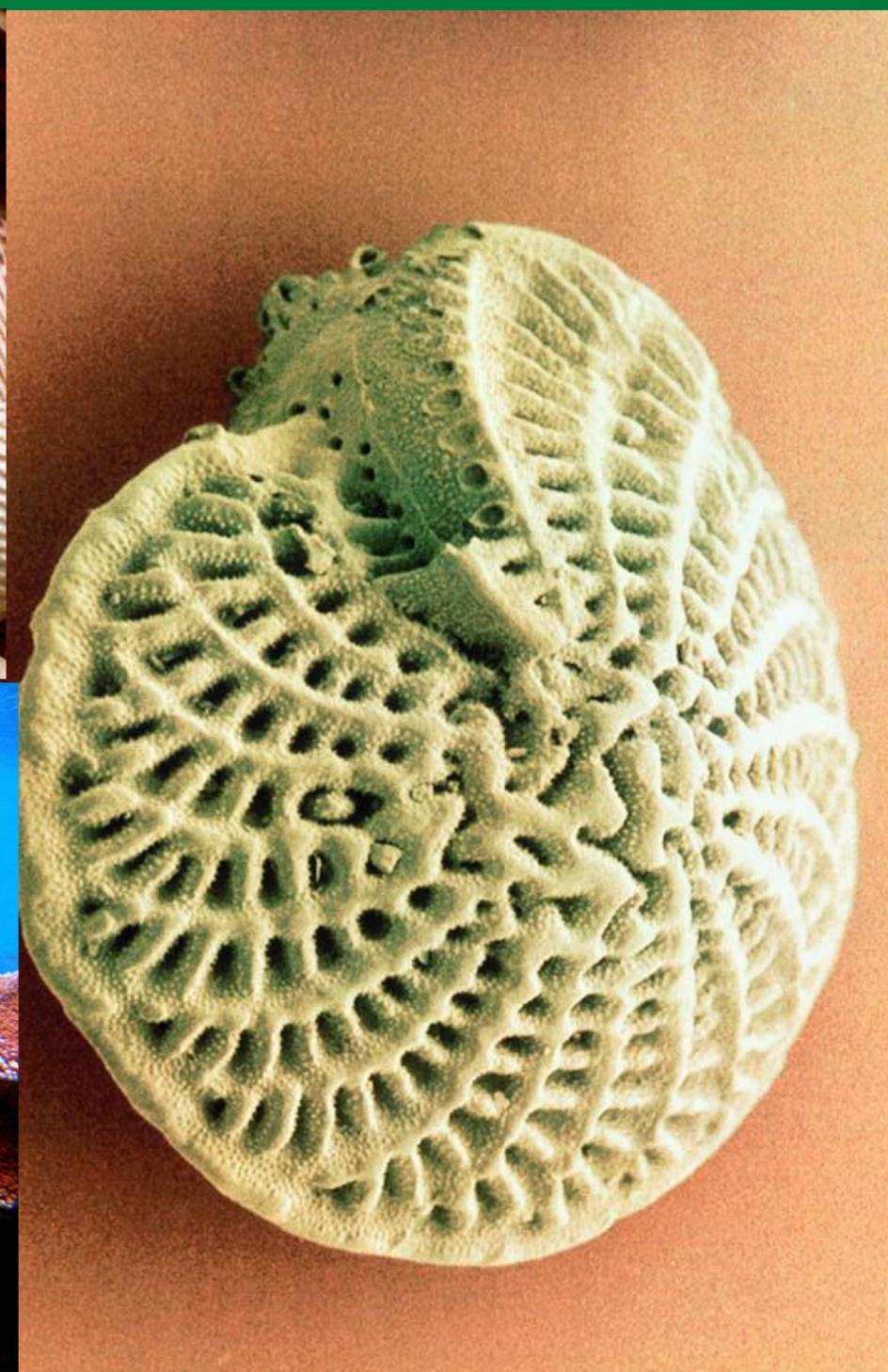
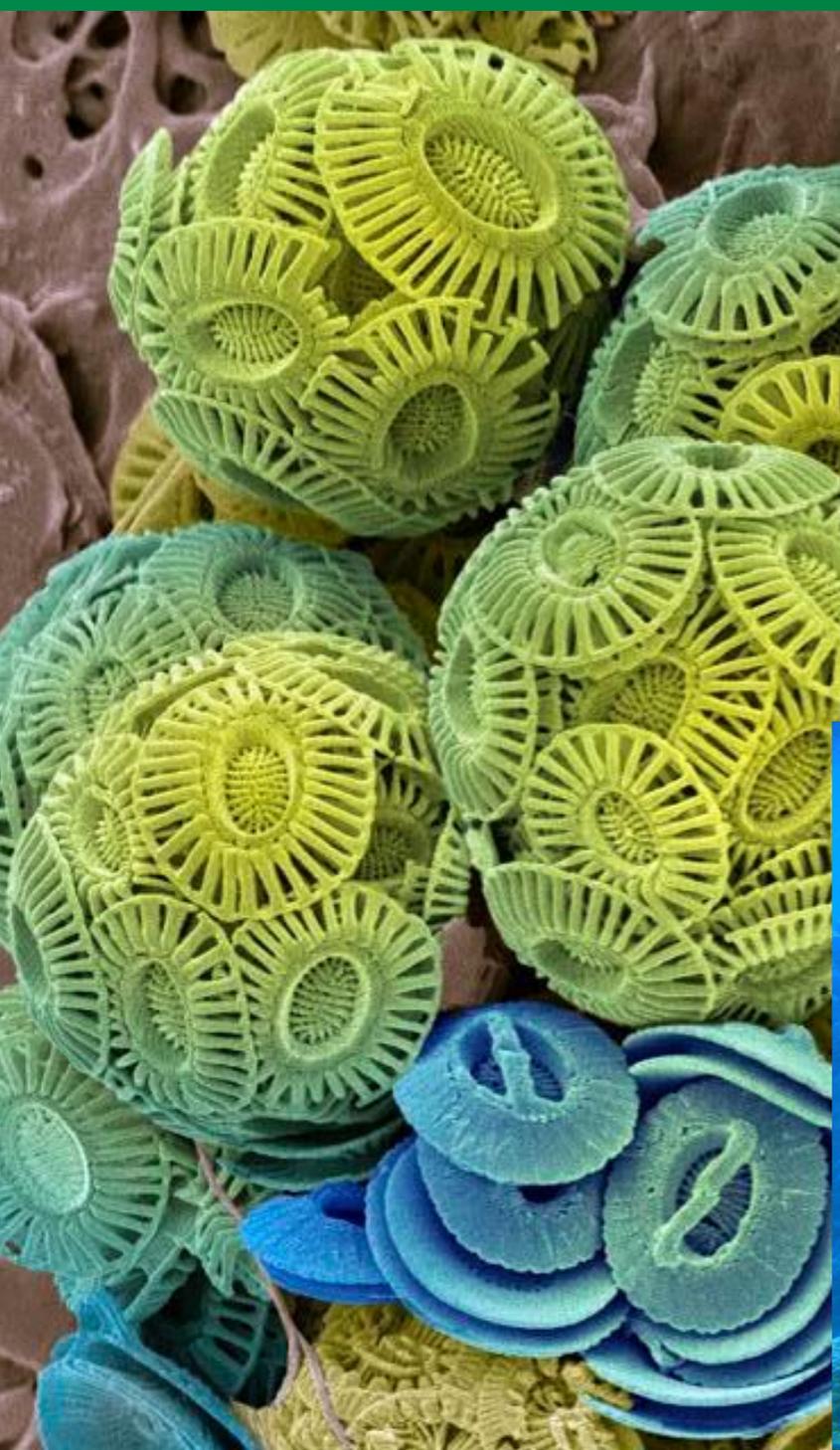
Geological Timescale: Concentration of CO₂ and Temperature Fluctuations



**-CO₂ is Was Lower than it has been During the 4.6 Billion Year History of Earth.
 -GlobalTemperature is lower now than the Previous 300 Million Years**



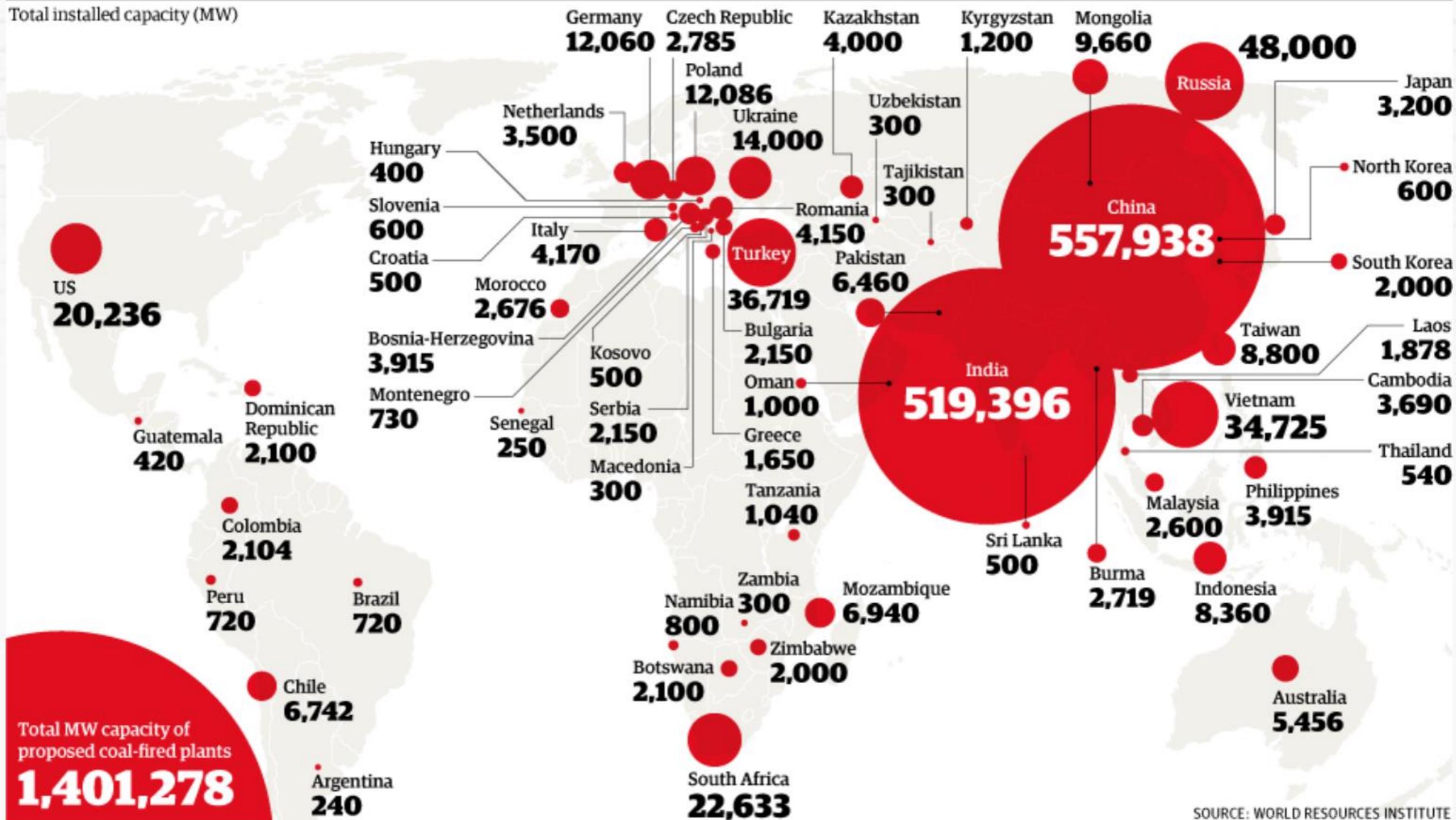
Where the Carbon Is



have been Sequestered by Coccolithophores (Phytoplankton), Sh

Proposed coal-fired plants

Total installed capacity (MW)

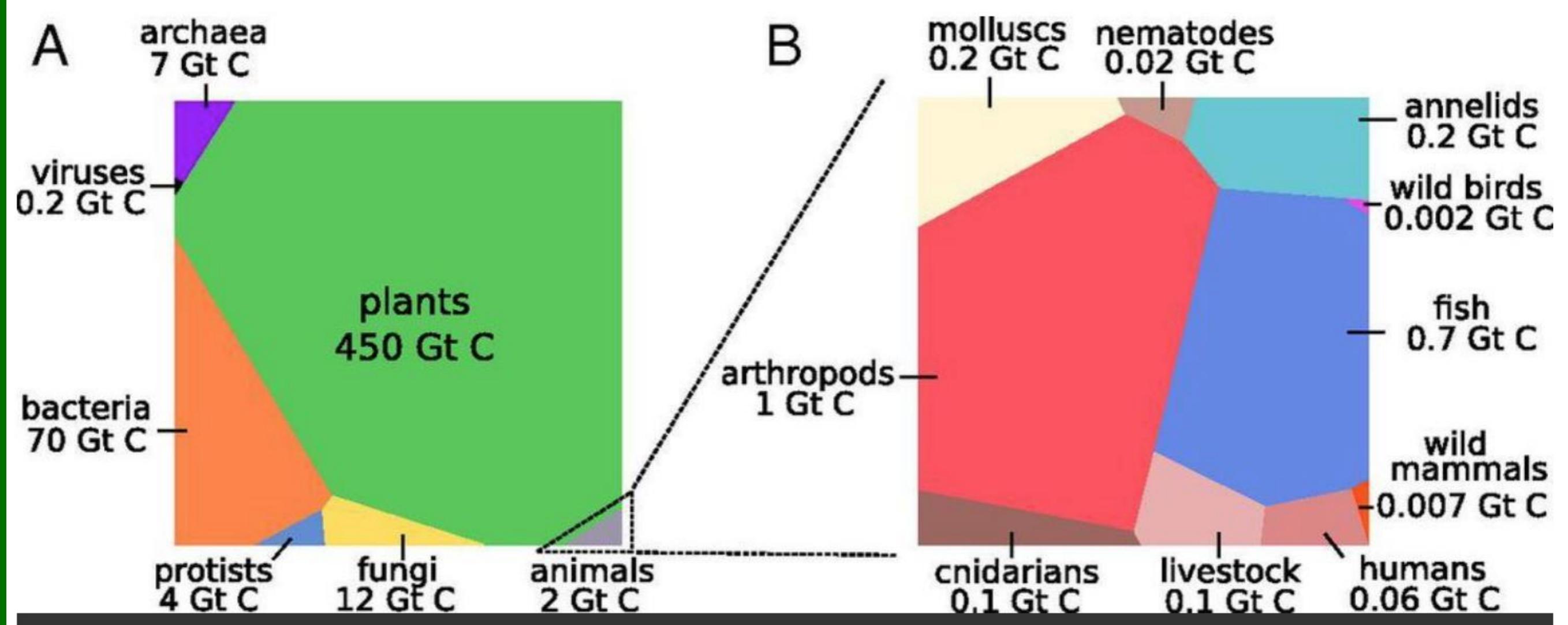


SOURCE: WORLD RESOURCES INSTITUTE

Who's Fooling Who?

Of the 550 gigatons of biomass carbon on Earth, animals make up about 2 gigatons, with insects comprising half of that and fish taking up another 0.7 gigatons. Everything else, including mammals, birds, nematodes and mollusks are roughly 0.3 gigatons, with humans weighing in at 0.06 gigatons. The research appears in *The Proceedings of the National Academy of Sciences*.

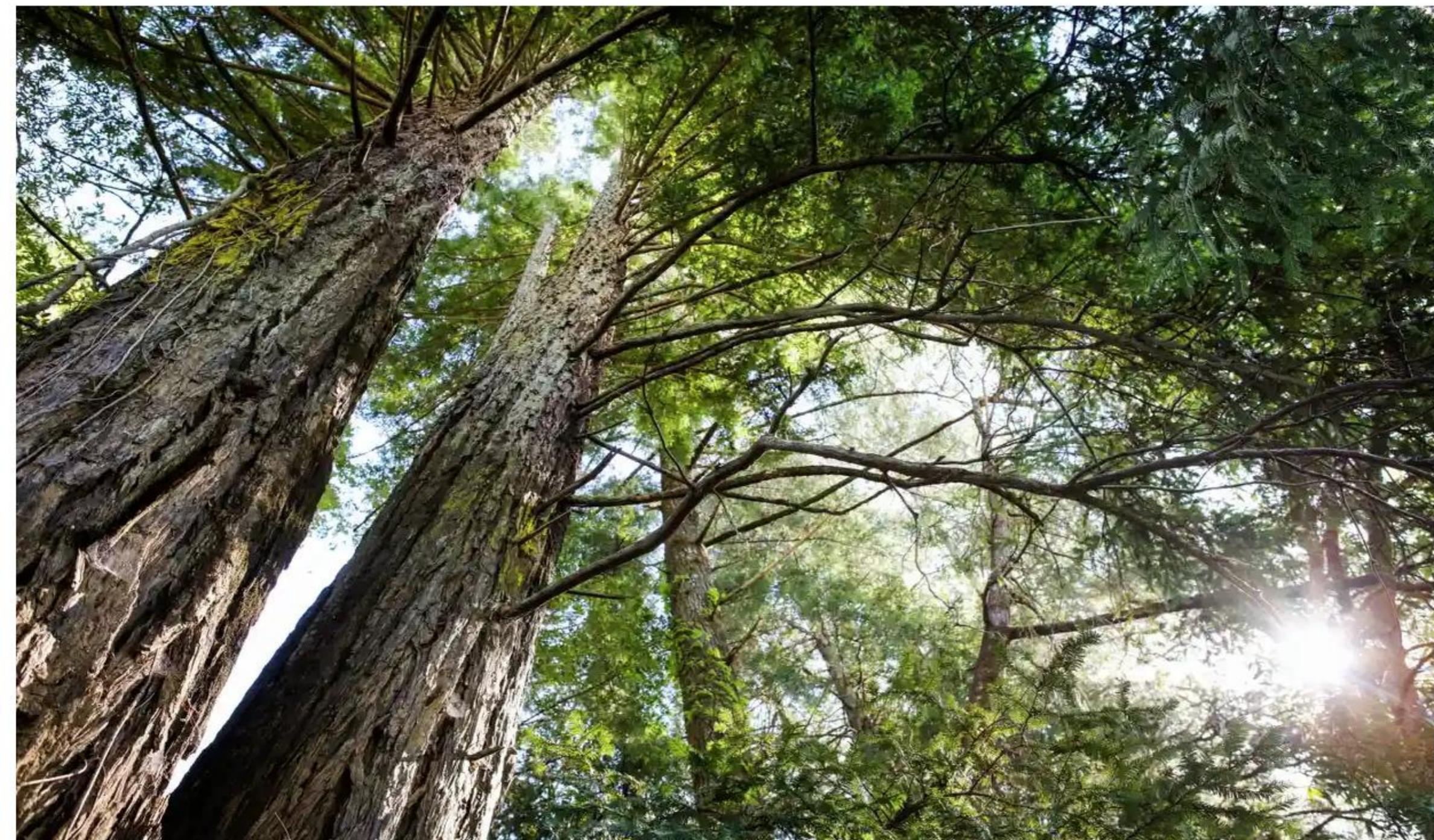
“The fact that the biomass of fungi exceeds that of all animals’ sort of puts us in our place,” Harvard evolutionary biologist James Hanken, who was not involved with the study, tells Borenstein.





Tree planting 'has mind-blowing potential' to tackle climate crisis

Research shows a trillion trees could be planted to capture huge amount of carbon dioxide





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In New "Mind-Blowing" Study, Planting Trees Reduces Carbon Better Than Carbon Taxes



110 COMMENTS

[LEA ESTO EN ESPAÑOL](#)

The good news about tree planting disrupts the familiar narrative about carbon taxes that even professional economists have been feeding the public for years. The whole episode is an example of what Ronald Coase warned about, in [his classic 1960 article](#) showing the danger in the traditional approach of using taxes to fix alleged market failures.

TAGS [The Environment](#), [Taxes and Spending](#)

08/21/2019 • [Robert P. Murphy](#)

A recent article in the *Guardian* trumpeted the findings of a new study published in *Science* that found massive tree planting would be — by far — the cheapest and most effective approach to mitigating climate change. Ironically, the new thinking shows the pitfalls of political approaches to combating so-called “negative externalities.”



A Pulitzer Prize-winning, non-profit, non-partisan news organization dedicated to covering climate change, energy and the environment.

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Reforestation Taking Root in Projects Around the World

BY LESLIE BERLIANT, INSIDECLIMATE NEWS

AUG 19, 2009



China to tackle climate change with 'nature-based solutions'

by Reuters

Wednesday, 18 September 2019 02:22 GMT



ABOUT OUR
CLIMATE
COVERAGE

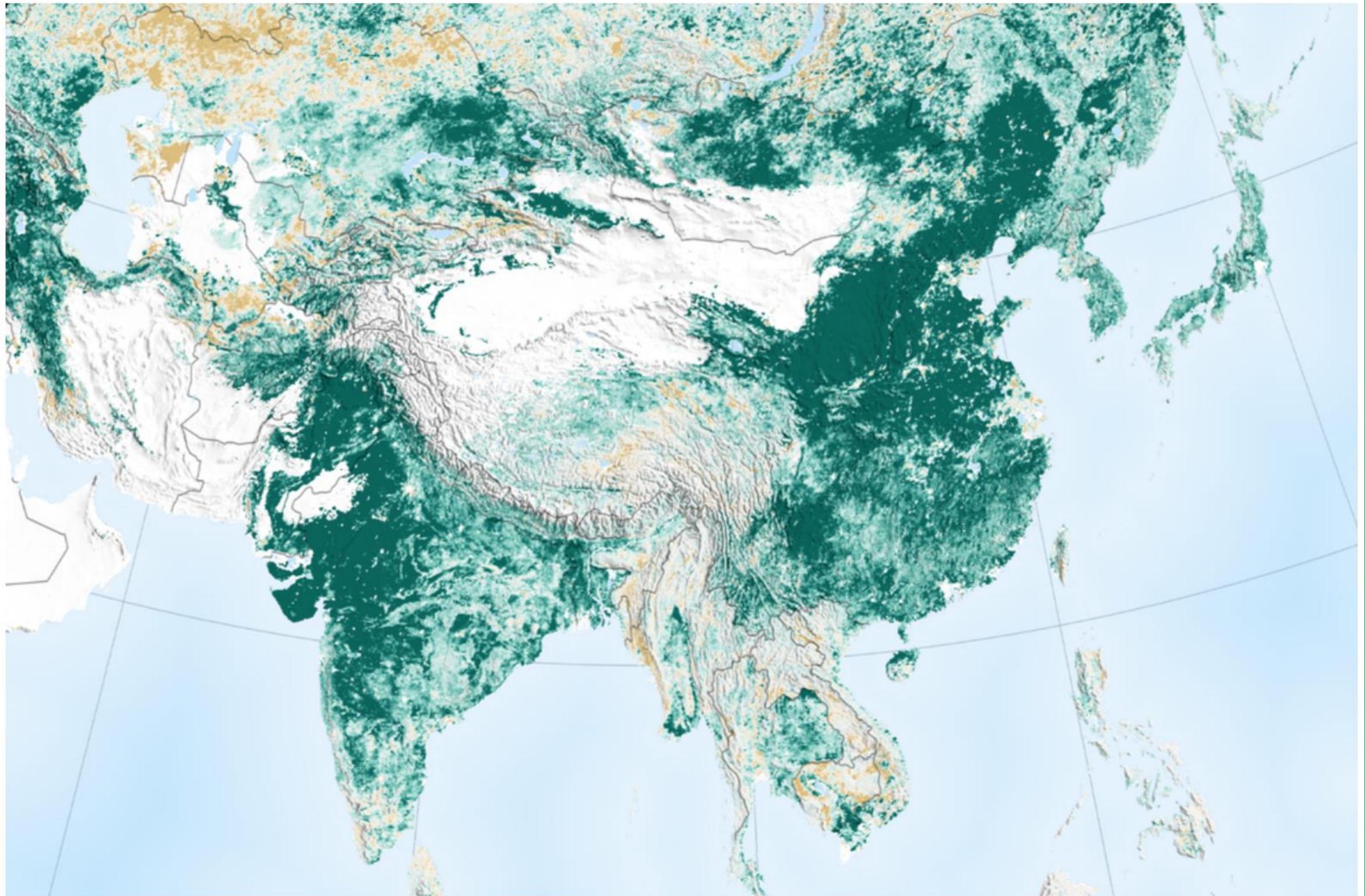
Beijing aims to promote solutions such as reforestation and the expansion of grasslands and wetlands

India To Bet \$6 Billion On Carbon Storage Through Reforestation

Forbes



Human Activity in China and India Dominates the Greening of Earth, NASA Study Shows



Trend in Annual Average Leaf Area (% per decade, 2000-2017)



Peru begins reforestation, 60 million trees to be planted

December 18th, 2009 [9 Comments](#)

After centuries of heavy deforestation, Peru is undertaking a campaign to reforest the highlands with 60 million trees – an act that not only helps prevent the terrible flash floods that plague the tree-less mountains, but also hopes to make a small dent in climate change affecting the country.

The Incas were never great lovers of trees, in fact they cut down forests on the far Amazonian slopes of the Andes, as did other civilisations such as the Chachapoyas, to build their monumental stone cities. But nor did they have a European thirst for the reckless annihilation of nature, as to them the earth was sacred.









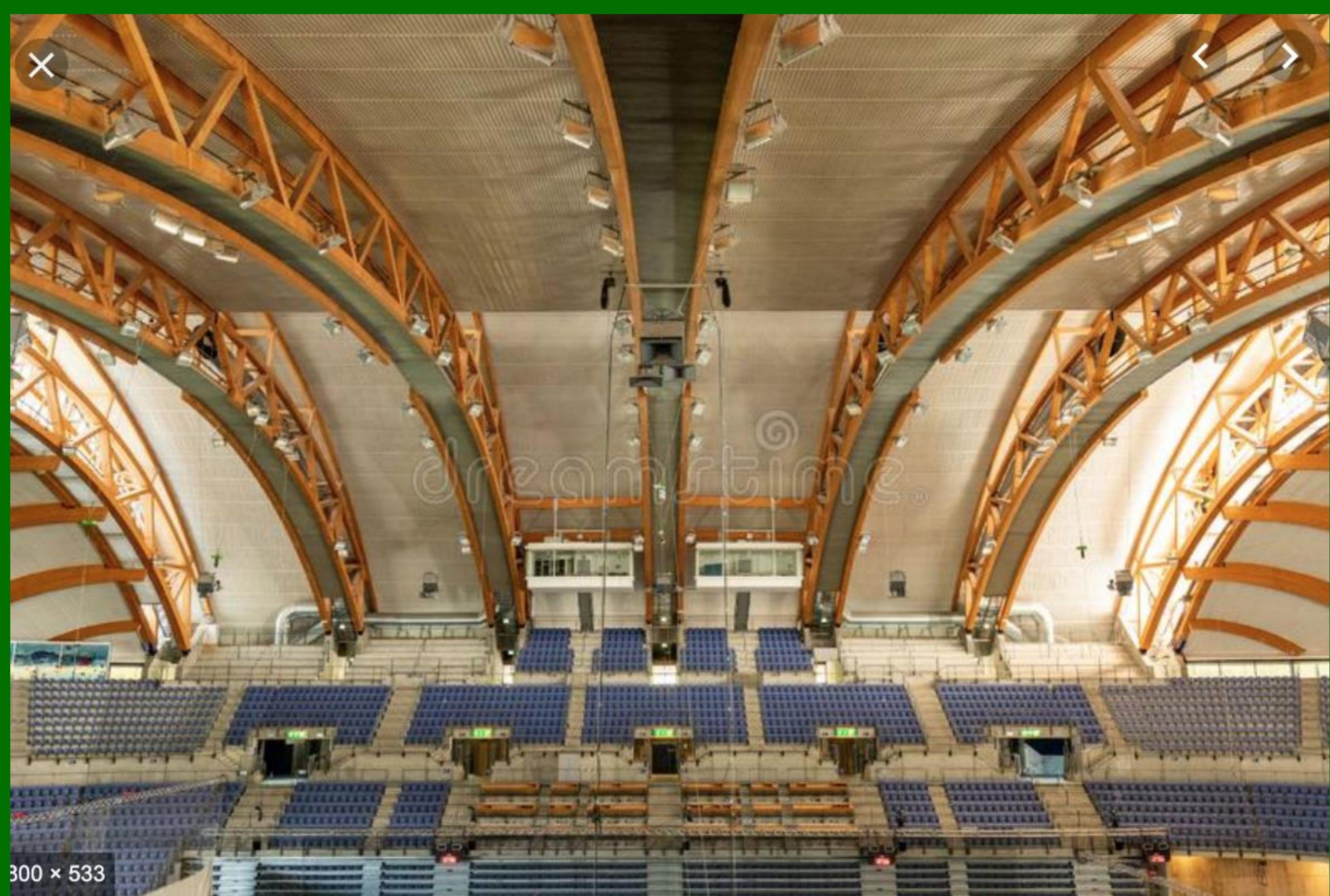












Main Stadium - Lillehammer Norway Olympics 1994



12-story wooden building in Portland USA



85 meter wooden building in Oslo Norway



Bäume sind die Antwort

Thank you!!

**Patrick Moore PhD
Halle
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