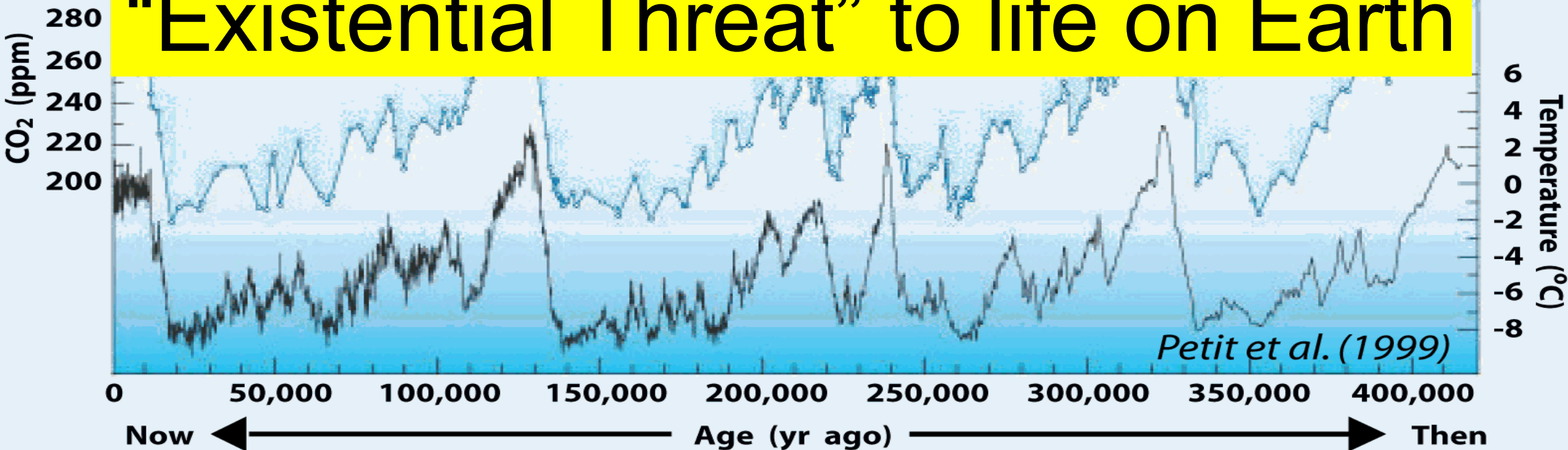


Data: a little more warming is NOT the “Existential Threat” to life on Earth



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4 Aug 2021

Biden: Countries Need to Step Up on Climate Change, the 'Existential Crisis of Our Time'

The president committed the U.S. to cutting greenhouse gas emissions by 50-52% from 2005 levels by 2030.

By [Cecelia Smith-Schoenwalder](#) | April 22, 2021, at 9:46 a.m.



President Joe Biden on Thursday called on countries to "step up" and take further action on climate change in order to **"overcome the existential crisis of our time"** while kicking off a two-day virtual summit.

Just hours before the climate change summit, the White House formally announced a new commitment to cut greenhouse gas emissions by 50-52% from 2005 levels by 2030.

Biden reiterated this goal in his opening remarks, saying the U.S. "sets out on the road to cut greenhouse gases in half by the end of this decade."

Newsweek

U.S.

U.S. Secretary of Defense Lloyd Austin Calls Climate Change 'An Existential Threat'

BY **MEGHAN ROOS** ON 5/7/21 AT 10:44 AM EDT

At the Leaders Summit on Climate convened by President Joe Biden on Earth Day, April 22, Austin told a virtual gathering of the world's leaders, including Russia's Vladimir Putin and China's Xi Jinping, that climate change is a national security threat not just for his nation, but for all nations.

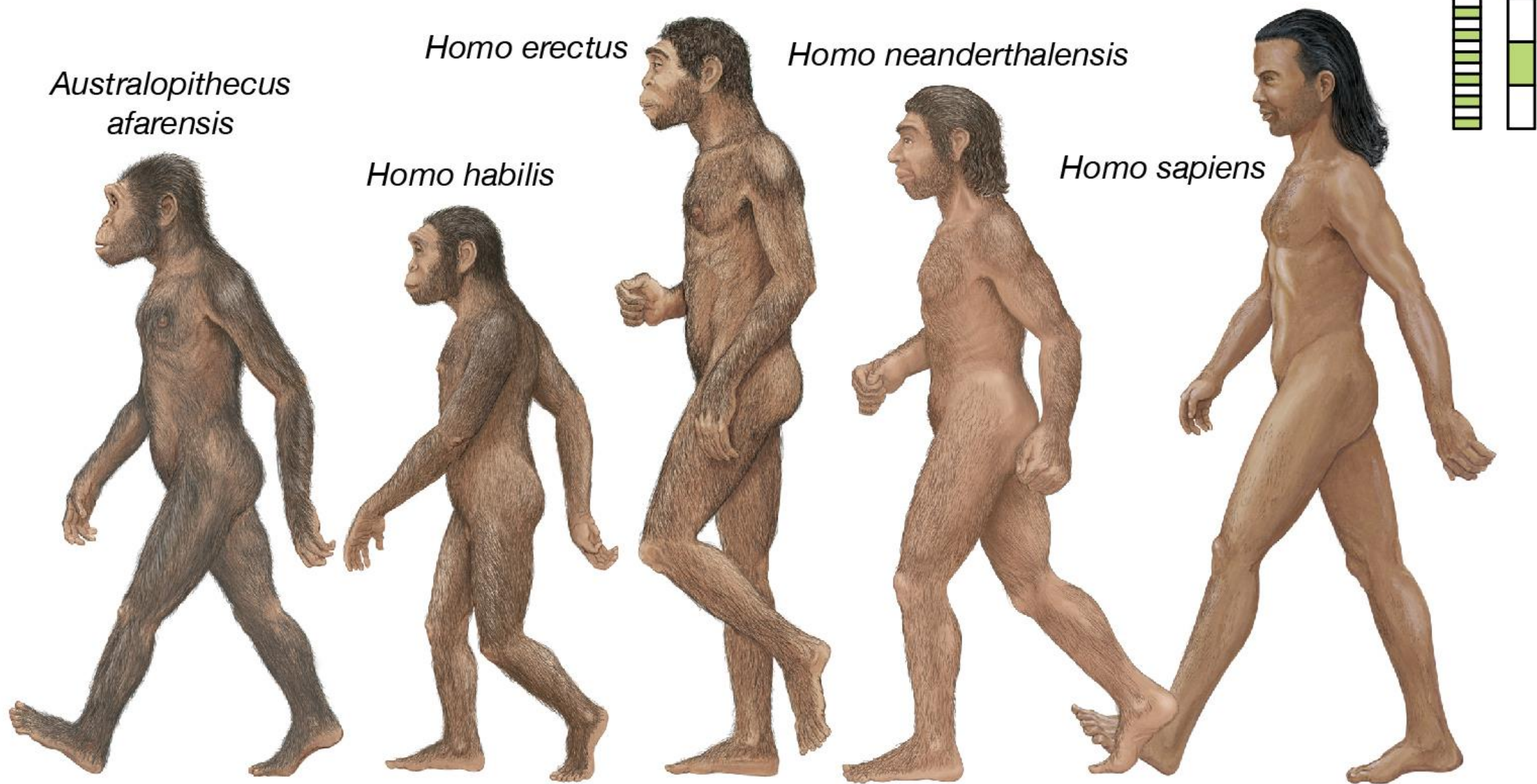
"Today, no nation can find lasting security without addressing the climate crisis," he said. "We face all kinds of threats in our line of work, but few of them truly deserve to be called existential. The climate crisis does."

Bob comment: There's no climate crisis or emergency. The Dust Bowl Years of the 20th Century were hotter, drier; see for instance, https://casf.me/wp-content/uploads/2019/09/Examining-the-Hypothesis_with-all-of-the-carbon-dioxide-in-the-air-today_Surface-Temperatures-are-at-a-high-in-New-Mexico_24-Sep-2019.pdf

We start with a glimpse of human history,
as we know it today

The human lineage

from Encyclopedia Britannica

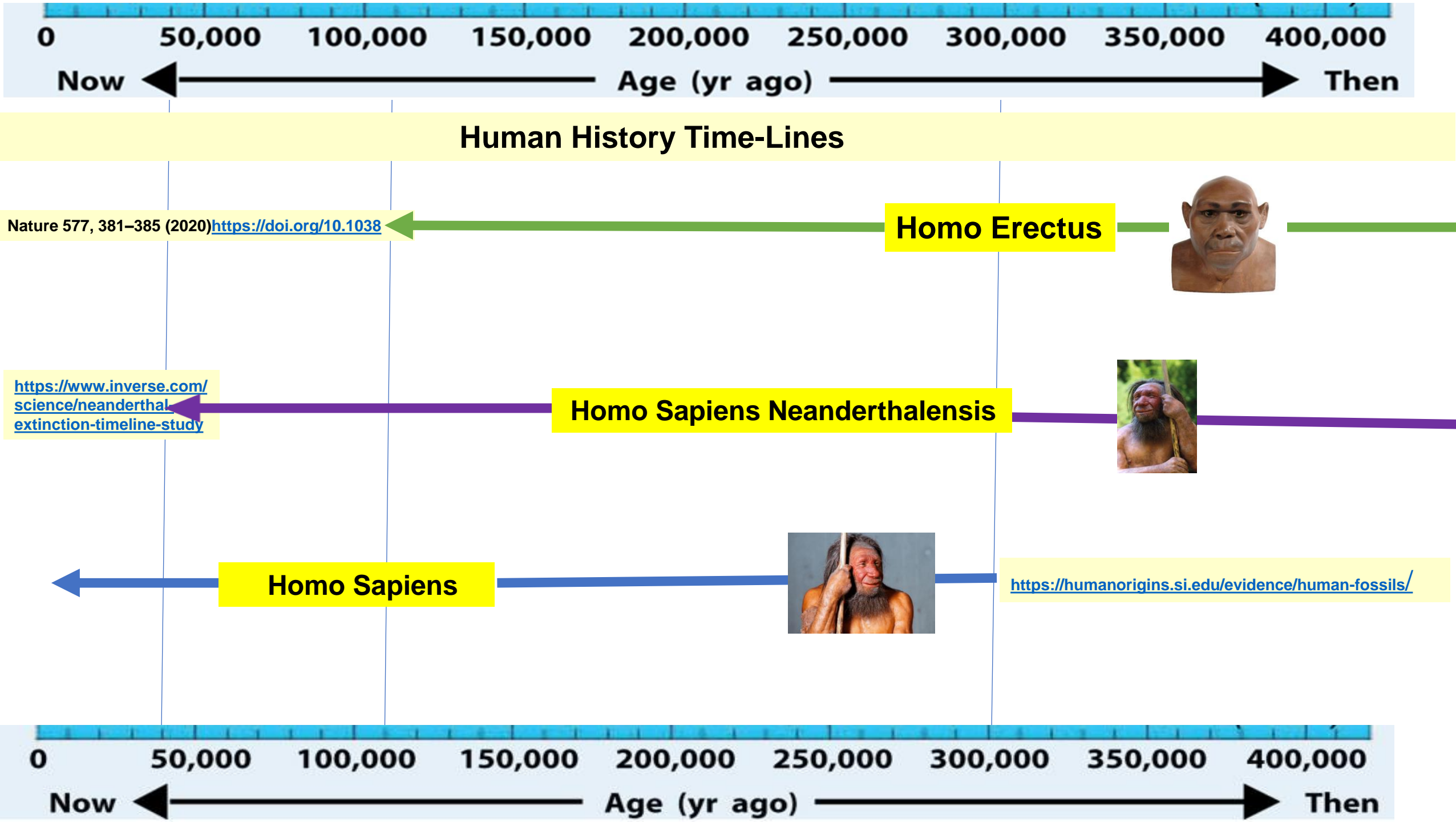


Homo Sapiens



Homo Sapiens Neanderthalensis





We now consider the human history time-line when compared with several climate history time-lines.

First, comparing with the Vostok Ice Cores, Antarctica, in the following slides

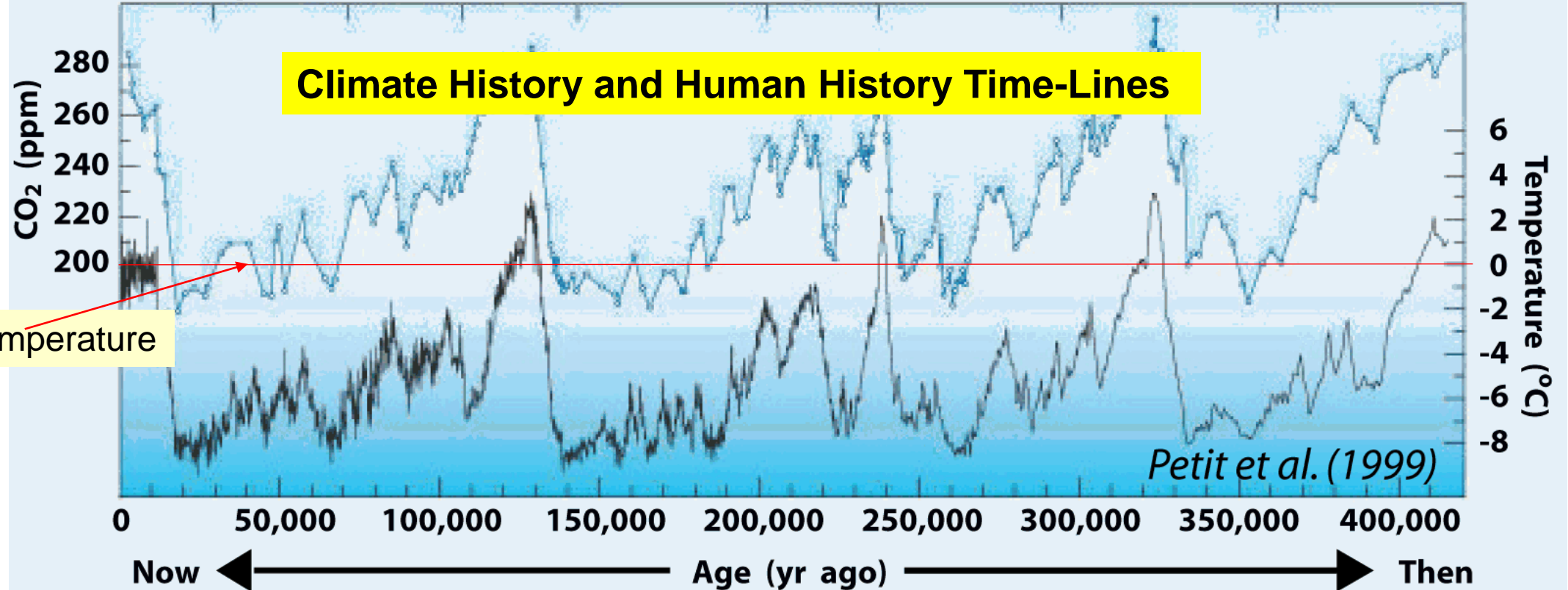
Next, a “multi-proxy” temperature time history from North America, published by Ljungqvist, which shows the “thousand year” Bond Cycles in context with past temperatures

Third, a time series from the GRIP Ice Core from Greenland, featured in this video, <https://casf.me/wp-content/uploads/2021/07/Global-Warming.mp4>

In each of these examples, the present warming is but one of numerous climate cycles, and show that the present warming is bringing a return to warmer temperatures which have occurred in the recent past.

There is nothing in the present warming which would lead a critical thinking person to think that the present warming is anything other than a continuation of benign warming bringing Earth closer to warm periods of the recent past.

Atmospheric CO₂ and Antarctic Air Temperatures Over the Last 420,000 Years



Nature 577, 381–385 (2020). <https://doi.org/10.1038>

Homo Erectus

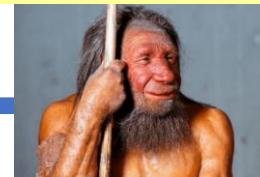


<https://www.inverse.com/science/neanderthal-extinction-timeline-study>

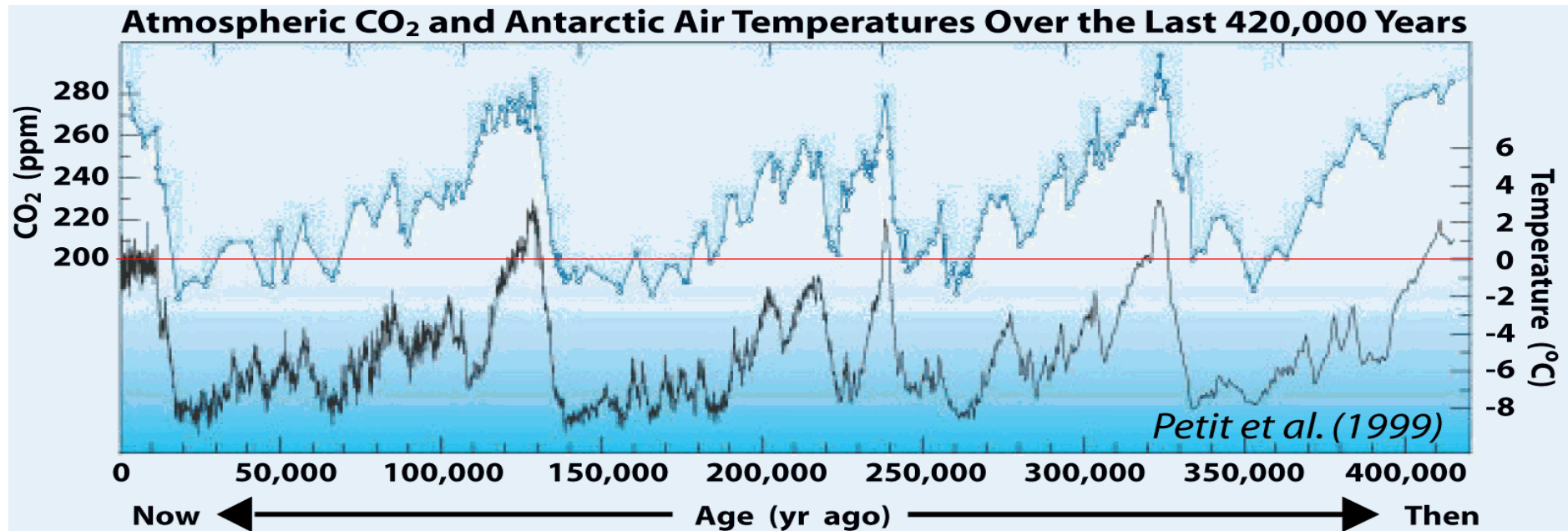
Homo Sapiens Neanderthalensis



Homo Sapiens



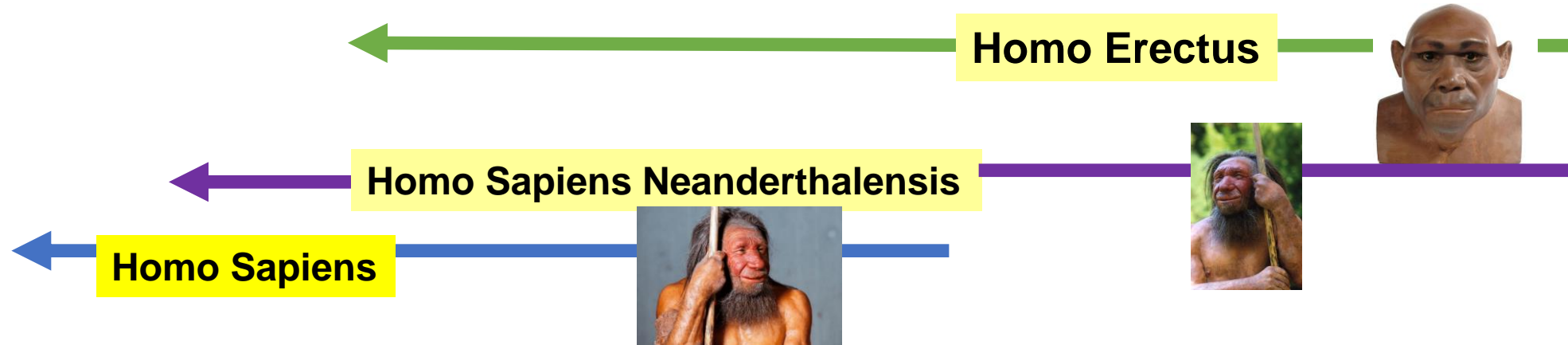
<https://humanorigins.si.edu/evidence/human-fossils/>

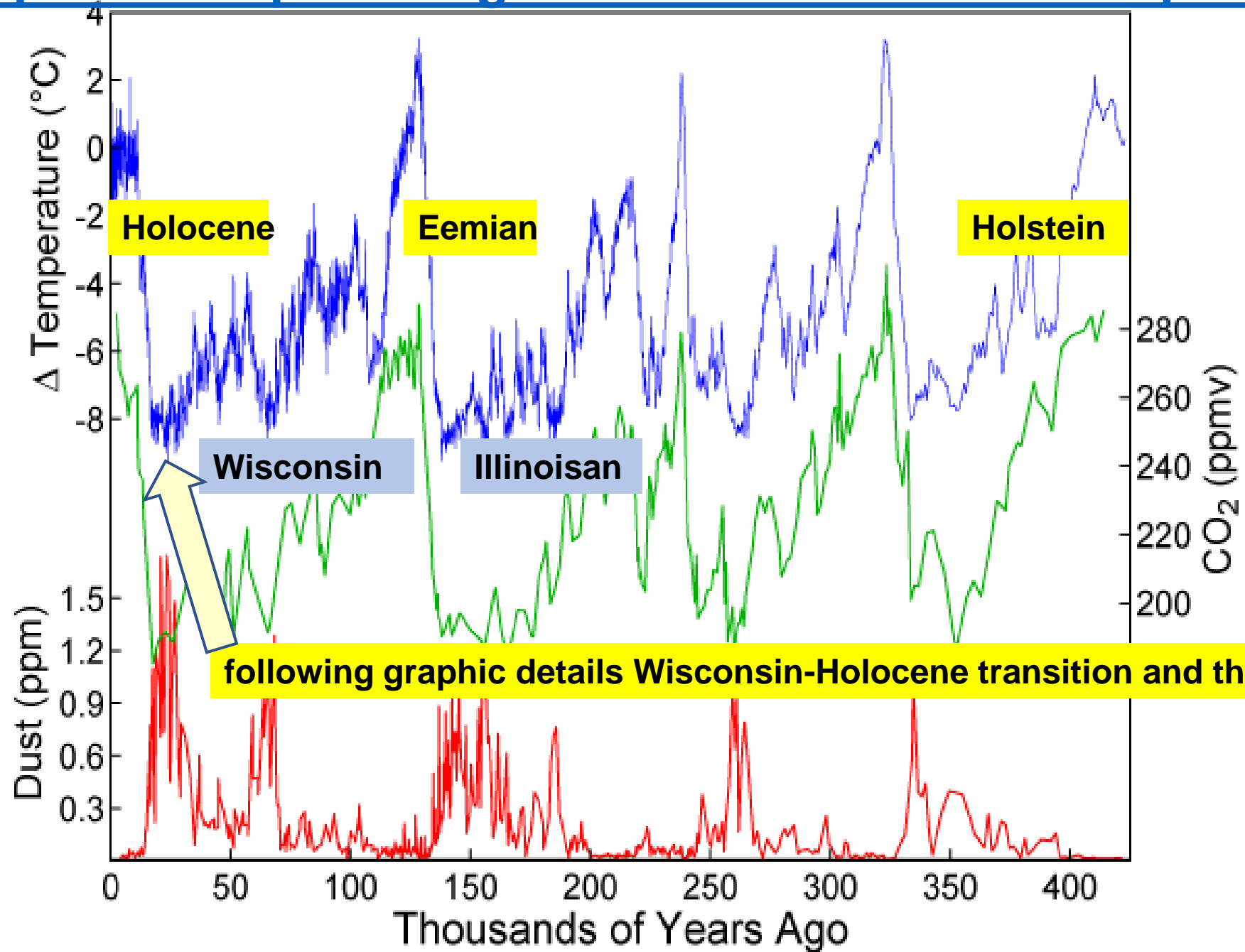


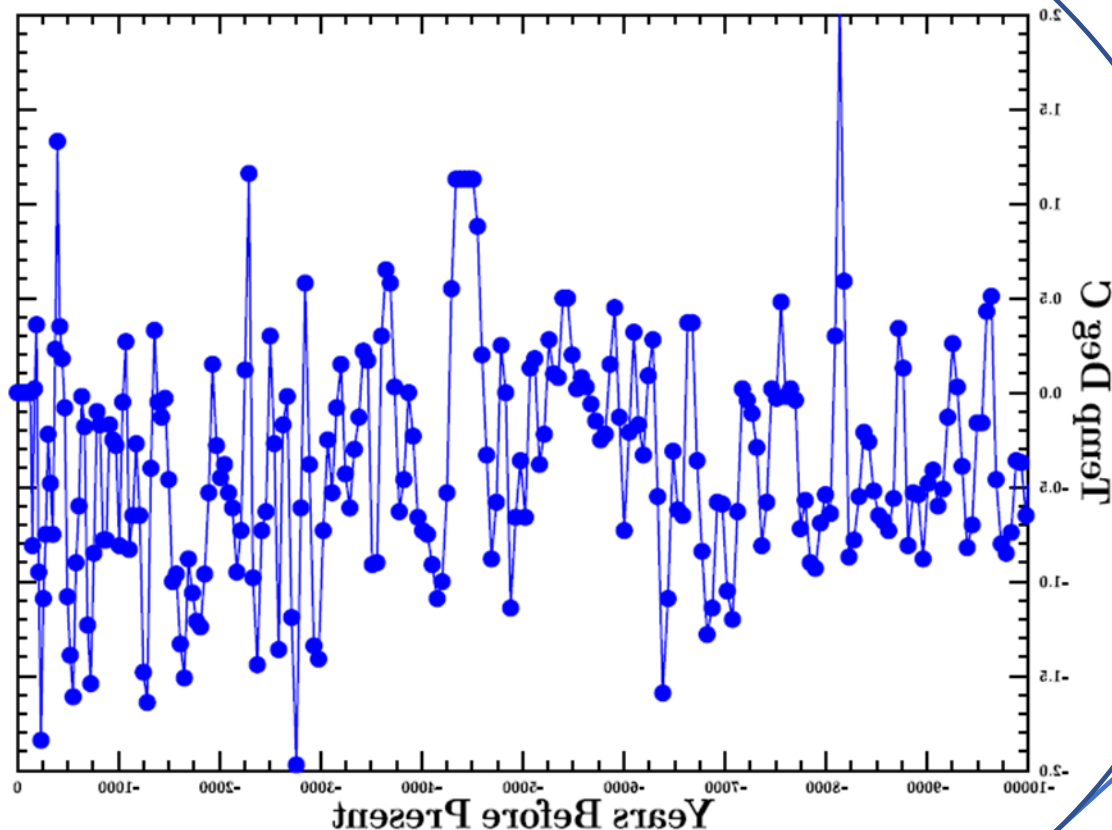
How can the present rate of climate change be a “Climate Emergency” and “An Existential Threat,” when present temperatures are not nearly as warm as 1000, 2000 and 8000 years ago?

When Homo Sapiens survived the Eemian Interglacial, 130,000 years ago, and the interglacial 250,000 years ago?

When Neanderthals survived the interglacials of 125,000, 250,000, 330,000 and 410,000 years ago?

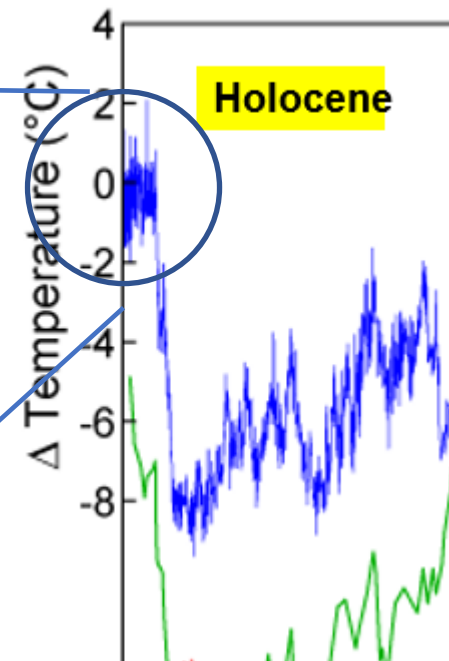






Now

10,000 Years Ago



Y-Axis Delta Temp Deg C.
X-Axis Years before Present.

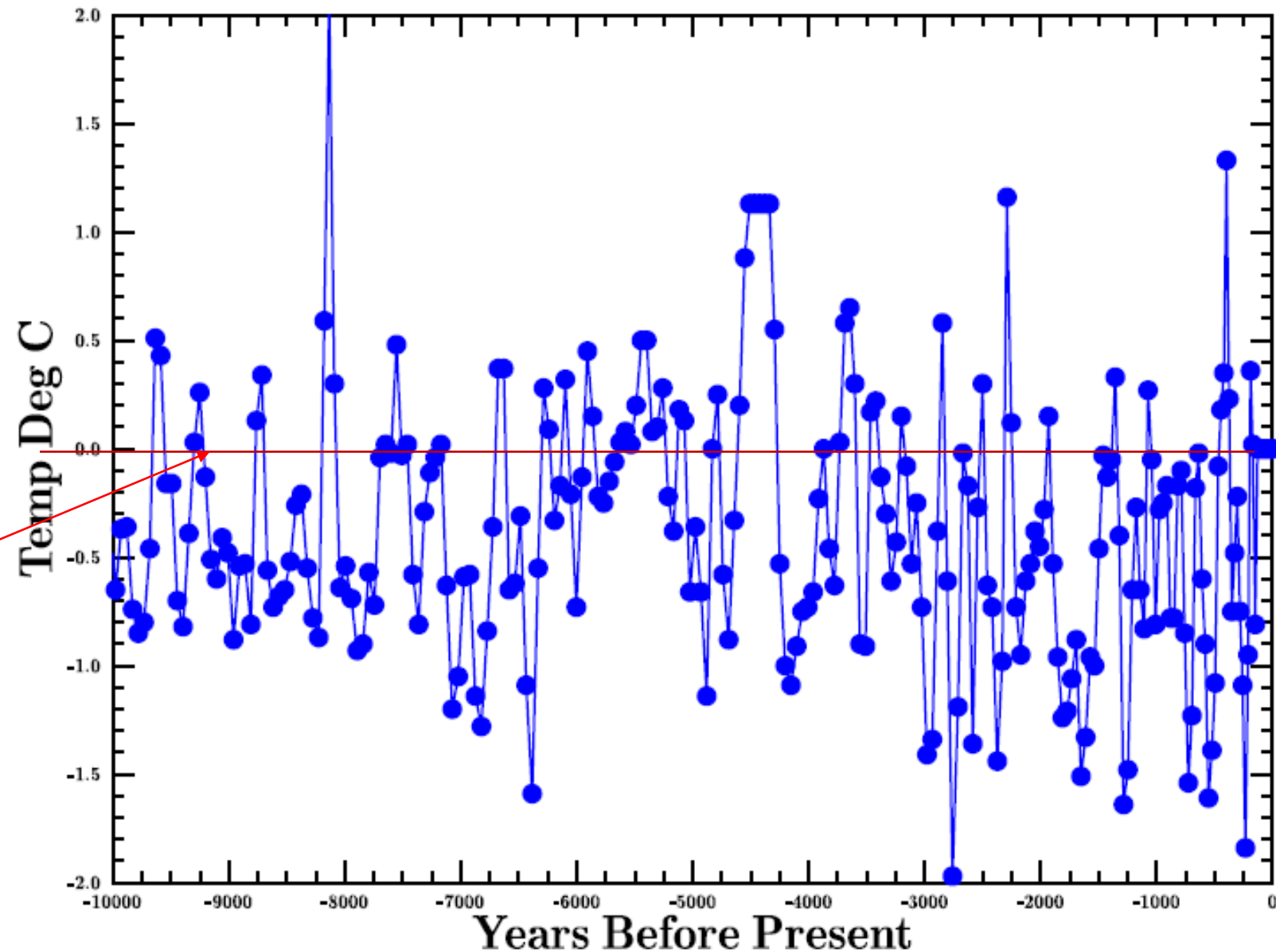
I flipped the large plot so that the reader can see it is a blow-up of the Vostok Ice Core temperatures, with the prominent temperature maximum 8000 years ago.

These are the temperatures from the Vostok Ice Cores, showing the last 10,000 years.

It is difficult to see the justification for declarations of “climate crisis,” “climate emergency,” and cries of “existential threat.”

In fact, there is no threat from human-caused CO₂-fueled global warming.

Present temperature is plotted as 0.0C, the temperature base line.



Holocene temperatures from Ice Cores, the last 10,000 years.

Top graphic is from Greenland, GISP2 ice core, in Red

Bottom graphic is from Antarctica, Vostok ice core, in Blue

Red horizontal in GISP2 line is ice temp of -30.50C

Both plots show a +/- 2C deviation from the red line.

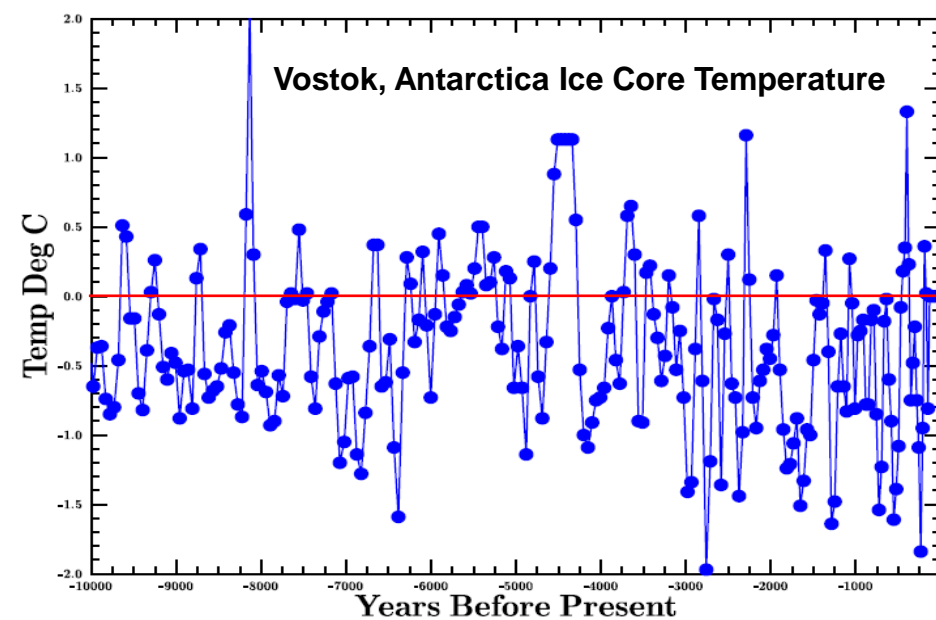
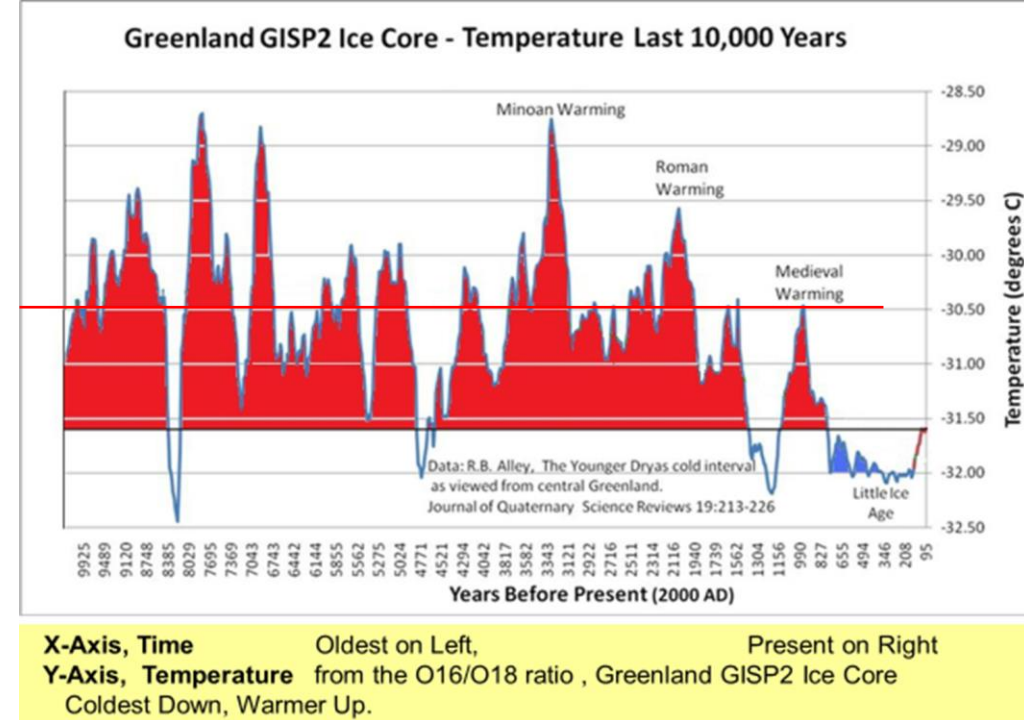
Red Horizontal line in Vostok Core, present temperature.

Both plots show that a 1.5C rise from the Little Ice Age minimum is nothing to be concerned about, rather celebrated.

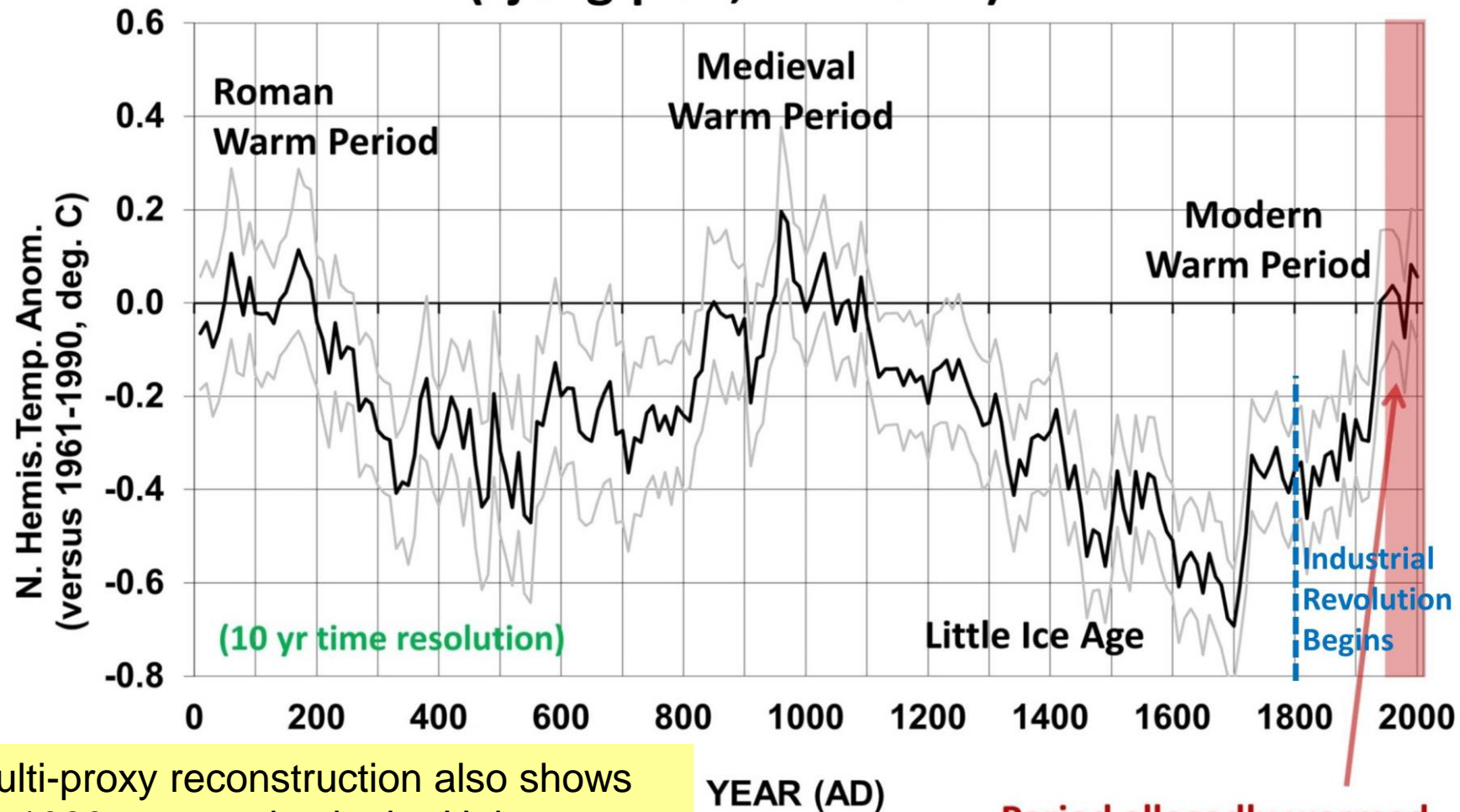
Data show improvements as we warm from the Little Ice Age.

“The Human Condition is improving. Rapidly.”

The red line axes in each plot were chosen to show a center line and a line of departure for the +/-2C temperature variations which have occurred over the past 10,000 years, one from the ice cores of each hemisphere.



N. Hemisphere Temperature proxies (Ljungqvist, F.C. 2010)



Multi-proxy reconstruction also shows
~1000-year cycles in the Holocene

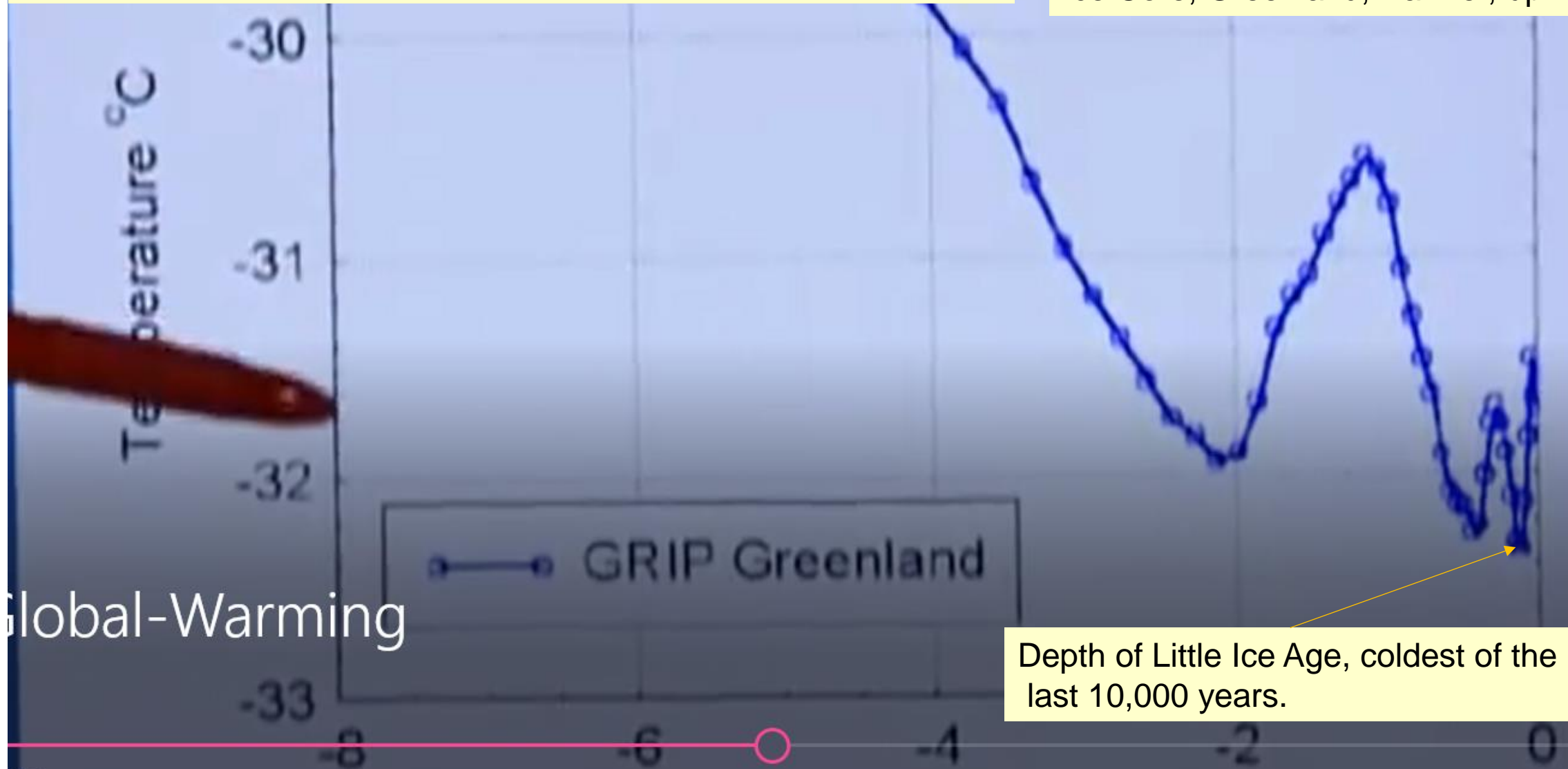
History reflects these data. About 550 AD was the “Dark Ages” -- crops failed; babies died. The Medieval Warm Period, ~1000 AD, was the great cathedral building in Europe; the faithful gave thanks for the abundance by building cathedrals.

Holocene Climate Optimum

<https://casf.me/wp-content/uploads/2021/07/Global-Warming.mp4>

X-Axis, Time, -8 = 8000 years ago

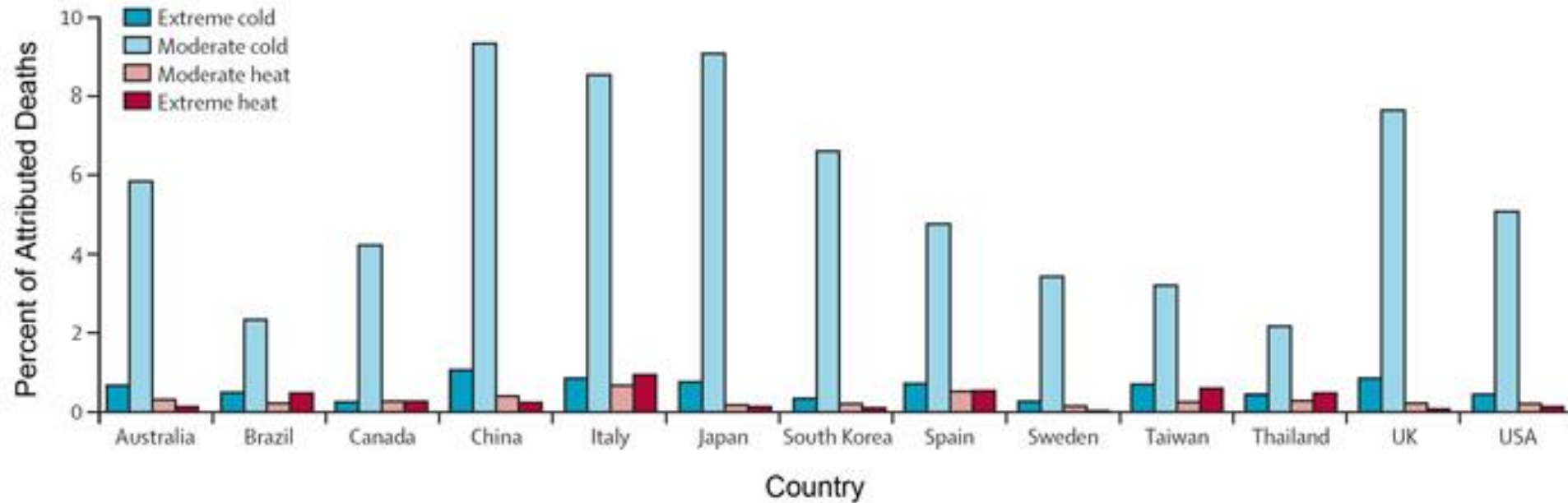
Y-Axis, Temperature from the GRIP Ice Core, Greenland, warmer, up.



Global-Warming

Cold waves kill many more people than heat waves.

Percent of Deaths Due to Moderate and Extreme Episodes of Heat and Cold



Fraction of all-cause mortality attributable to moderate and extreme hot and cold temperature by country. (Source: Gasparrini et al., 2015).

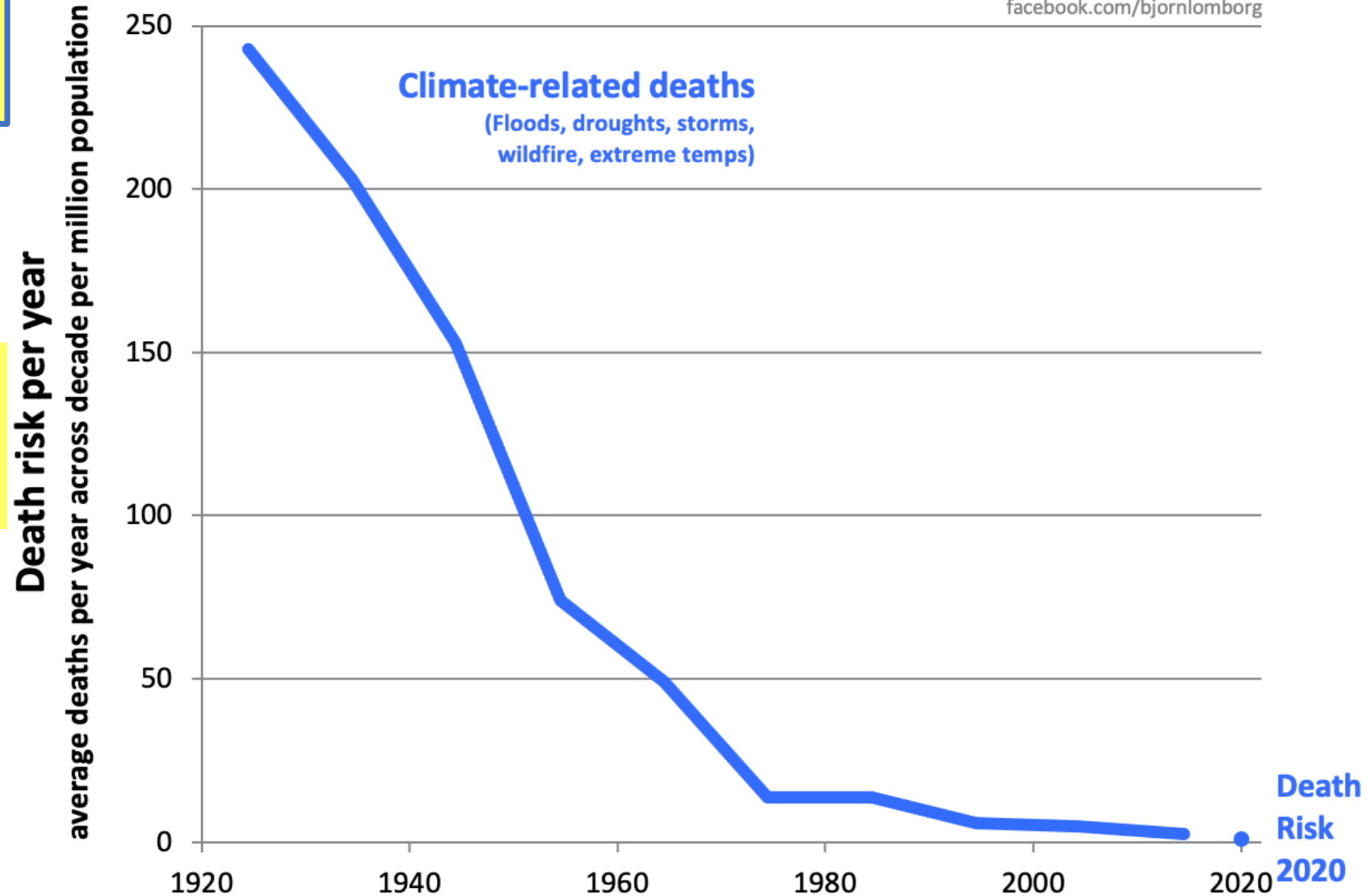
There are many useful charts and graphs from the 15 May 2021 presentation, slides 79-98.

https://casf.me/wp-content/uploads/2021/05/PDF__Folly-in-Bidens-climate-summit__15_May_-2021.pdf

A couple of them follow:

Climate-related Death Risk 1920-2020

facebook.com/bjornlomborg



OFDA/CRED International Disaster Database, www.emdat.be, deaths averaged over decades 1920-29, 1930-1939, ... 2010-2019, with data from 2020, as start of next decade, accessed January 1, 2021

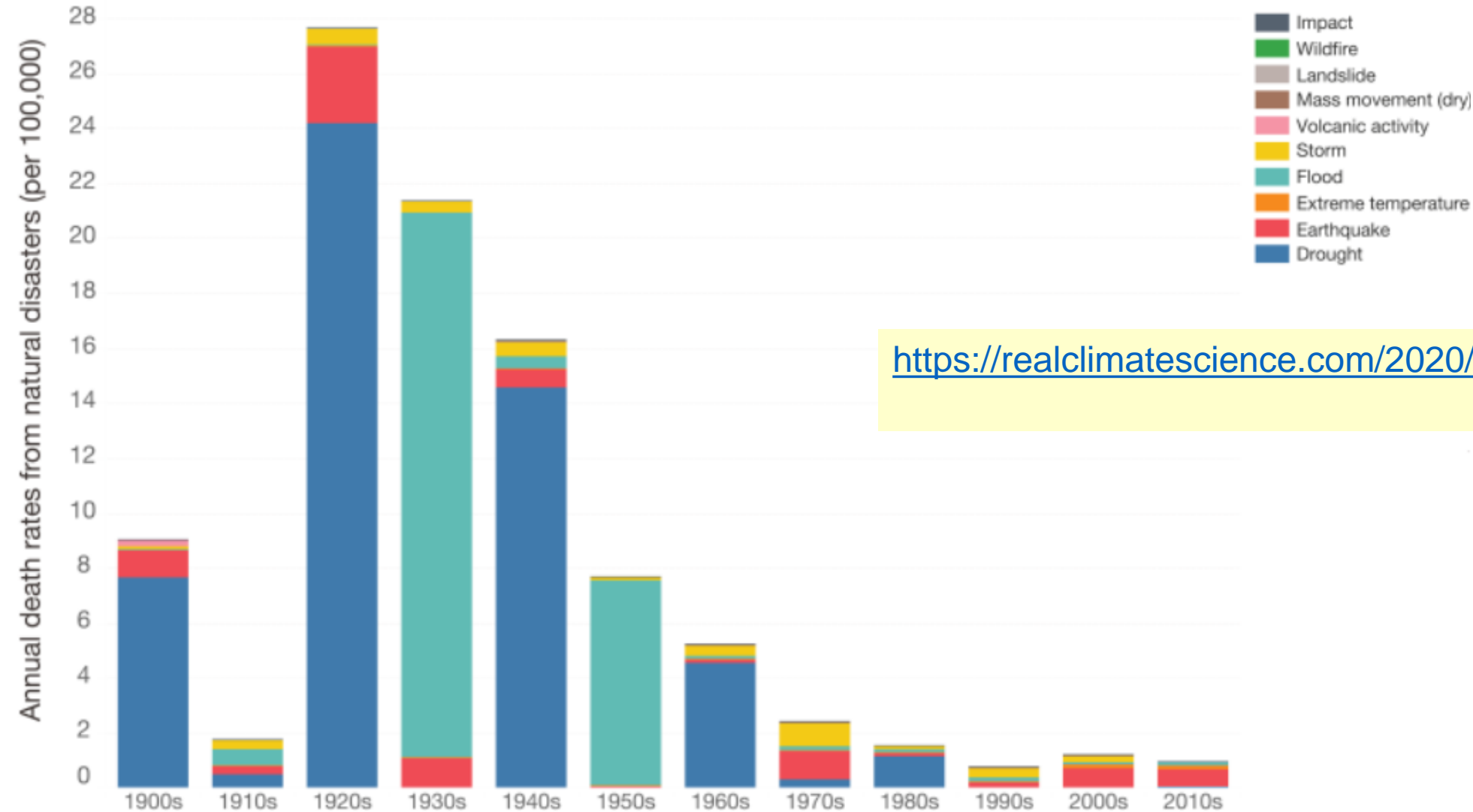
After 100 years of climate change, 'climate related deaths' approach zero

<https://climaterealism.com/wp-content/uploads/2021/01/climate-related-deaths-1920-2020.png>

Global annual death rate from natural disasters, by decade

Global death rate measured as the number of deaths per 100,000 of the world population.

This is given as the annual average per decade (by decade 1900s to 2000s; and then six years from 2010-2015).



<https://realclimatescience.com/2020/12/amplifying-fear/>

To conclude:

The present warming is part of a series of warming and cooling cycles Earth has always experienced.

Humans and our Human Ancestors survived and thrived in the previous interglacials, all of which were considerably warmer than the present warm period, the Holocene.

The present warm period is nowhere as warm as it was in the Holocene Climate Optimum 5000-8000 years ago.

The present warm period is an extension of the warming from the depth of the Little Ice Age about 1690 AD. There was a jump in temperatures after 1690 which could not have been human-caused. The present warming is halting, gentle and benign.

The Human Condition is improving. Rapidly.

There is not the slightest element from The Data which would even hint that there is an “Existential Threat” from the present warming.

I can only conclude that the cries of “Climate Crisis,” “Climate Emergency,” and “Existential Threat” are modern versions of Henny Penny crying “The Sky is Falling!”

The sky is not falling, and the data show that the present warmth is neither catastrophic nor unusual.