

Man-made Global Warming Impossible

Part 5: Ecological uplift - 10-fold CO₂

By Rolf A. F. Witzsche – 2013 – Published by Cygni Communications Ltd. Canada

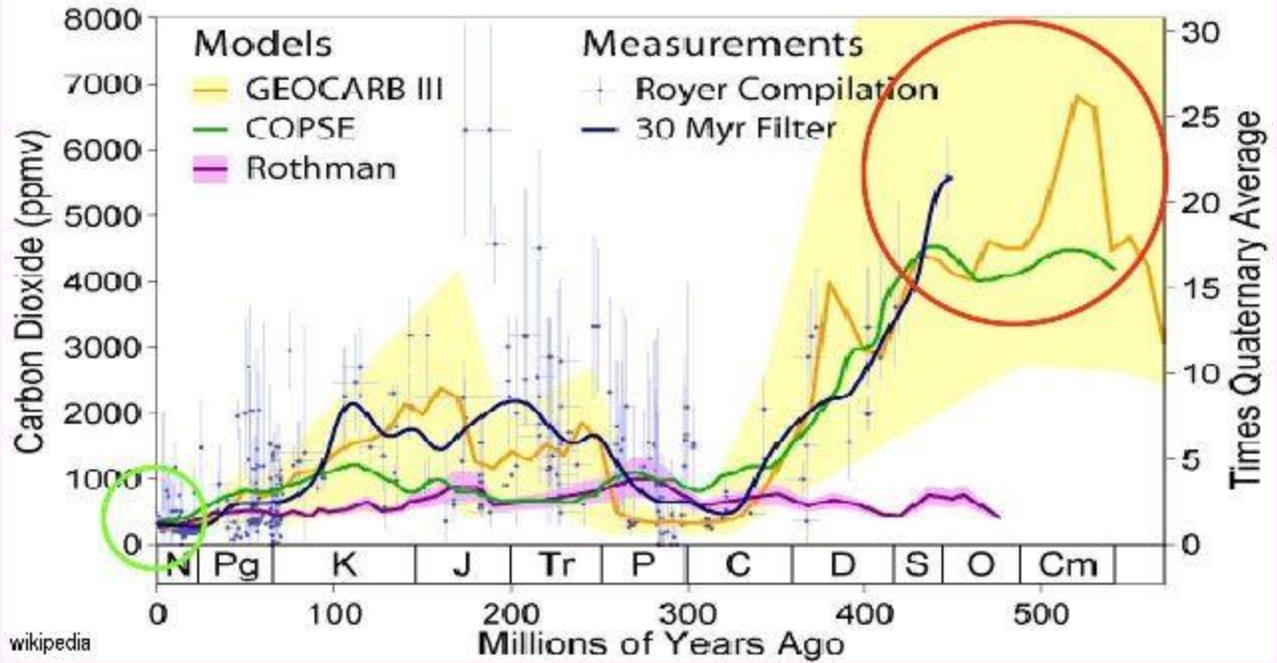
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*CO₂ increase needed
10-fold*

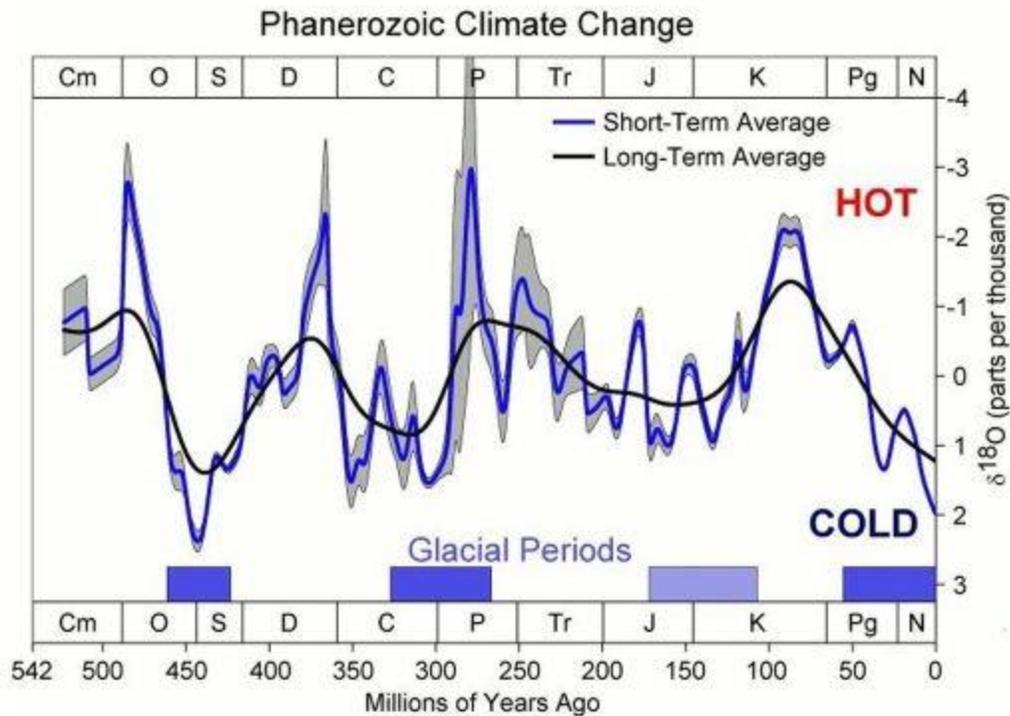
As I have demonstrated in prior parts of this series, in the real physical climate dynamics, CO₂ is not a significant factor and never has been that throughout the entire history of life on our planet.

This does not mean that CO₂ is not critical for human existence and all life on our planet.

Phanerozoic Carbon Dioxide



During most of the last half-billion years of life on earth the atmospheric CO₂ concentration had been enormously greater than it is today, even more than 50 times greater as some researchers suggest it may have been in very early times.



Ironically, in those early times when the CO_2 concentration was extremely high, around 450 million years ago, the Earth experienced one of its most devastating ice age periods ever, that caused the second-largest mass extinctions of life in the oceans. The point is that this gigantic CO_2 concentration that existed in prehistoric times had no effect on the climate whatsoever. The hugely greater CO_2 concentration in the air then, should have cooked the Earth according to the modern CO_2 doctrine. Instead the most devastating Ice Age had occurred. The resulting immense glaciation had destroyed almost all life, even in the oceans, the only place where life existed then. The point is that CO_2 had no effect then whatsoever at this time. And how could it have had, since CO_2 doesn't affect the climate to any practically-significant extent?



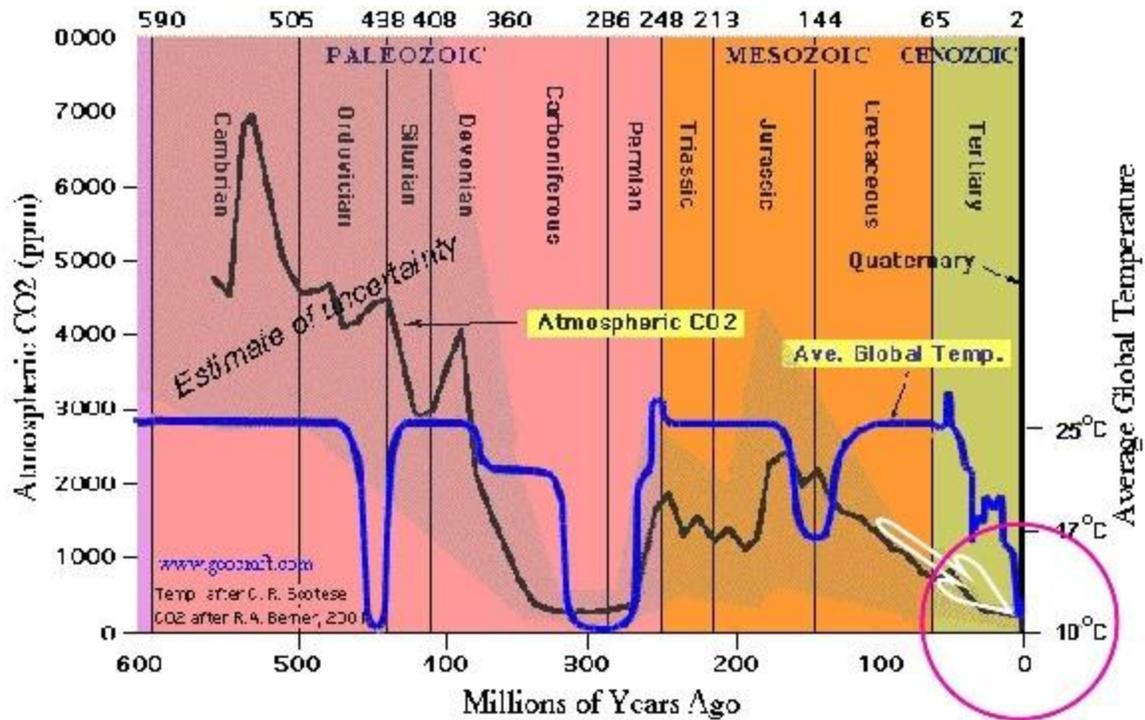
The CO_2 portion of the global greenhouse effect, for which we murder more than 100 million people a year to reduce it, is currently so minuscule that in a comparison with Mt. Everest, the tallest mountain Earth, the total CO_2 effect on the climate would be comparable to just a single grain of finely ground table salt. So, what do you think? Is it possible that placing another grain of salt on top of the mountain makes any practical difference, or even ten grains of salt, or 50 grains as in distant geologic history? The difference, in either case is nil.

All this means that the entire biofuels holocaust that is now being unleashed by the mass-burning of food in order to reduce humanity's CO_2 emissions, has been for nothing. And even as this is known, or is knowable as a fundamental fact, the murdering continues, and the destruction of the economies continues that are being destroyed by the choking effect that is caused by limiting man-made carbon emissions that have no effect on the climate at all. This choking effect, apart from being murderous, has become the most effective economic wrecking ball of all times, against the economies of human living. This does not mean that CO_2 is physically inconsequential for humanity. Far from it.

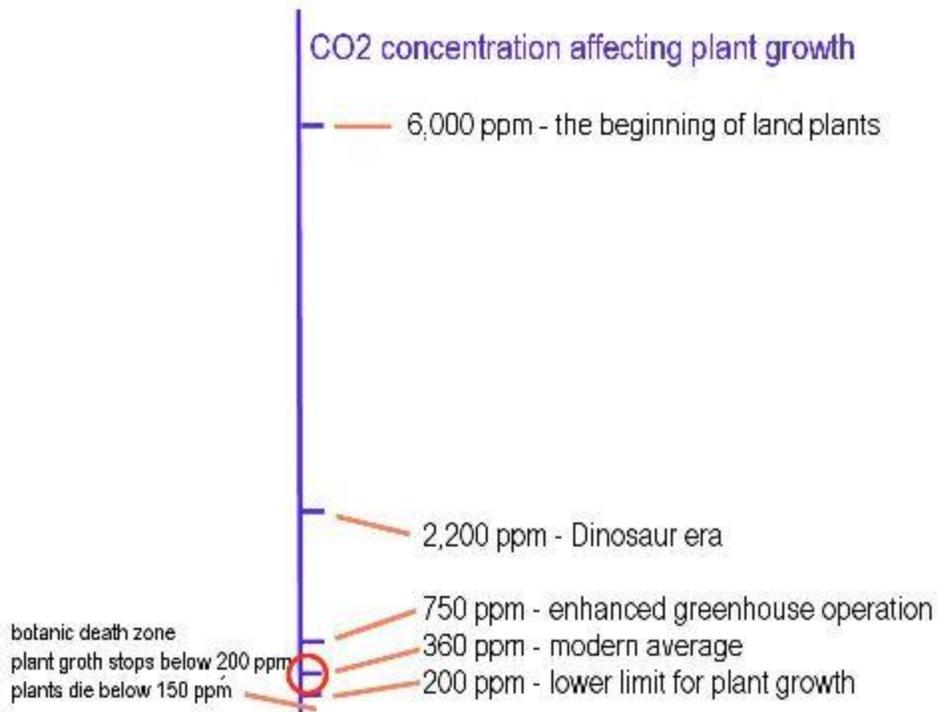
The biofuels cycle is inefficient because less than 2% of the solar energy is used to capture carbon from the air



CO₂ is a life engine. Without it almost no life would exist. This is its prime purpose, rather than being a greenhouse gas. This purpose makes CO₂ one of the most critical gases in the Earth's atmosphere. Here the atmospheric concentration of CO₂ becomes significant, because the Earth's ecological environment is presently severely CO₂ deficient. Yes, the global ecology is suffering from a critical CO₂ starvation. There is not enough of it in the atmosphere to adequately nourish the plants.



As I had laid out before, during most of the history of life on our planet the atmospheric CO₂ concentration has been 10 to 50 times greater than it is today, but has been gradually declining towards today's starvation level of 300-400 parts per million. It is no secret in our age that every plant needs CO₂ to live. It breathes CO₂; it breaks it down with its chlorophyll molecules, powered by sunlight; it releases the oxygen and uses the carbon for its own construction.



Greenhouse operators have found that when the CO₂ concentration drops below 200 ppm, the plant-growth stops, and below 150 ppm the plants die. Glacial records show that during the last Ice Age the CO₂ density had dropped down to and below the 200 ppm level. The next Ice Age that is now before us promises to be more severe as the Pleistocene cooling has not yet bottomed out. This means that the ecological system of the Earth desperately needs our help to cause at the very least a ten-fold uplift in CO₂ density. Without humanity coming to the rescue, the creeping CO₂ starvation may indeed collapse the entire ecological system during the Ice Age ahead, and of course will then collapse humanity with it.



The ten-fold CO_2 increase is very much needed then, towards the 4000 ppm level. This is the concentration that had enabled such a richly productive ecological system to develop that giant creatures like the dinosaurs could emerge and be supported with enough food, with some weighing more than 200 tons. Greenhouse operators have found that when they merely double the CO_2 concentration in their facilities, a 50% increase in plant growth results. While the entire global food crisis could be stopped in the short run by simply stopping the burning of food, the long-term food security will require that we dramatically increase the global CO_2 density, possibly up to ten-fold, to the 4000 ppm level, and that we will also create large-scale irrigation infrastructures to offset the increasing drought conditions that are now beginning to take their toll as a part of the ongoing Ice Age transition dynamics

When agriculture becomes disabled beyond the 40 degree latitudes

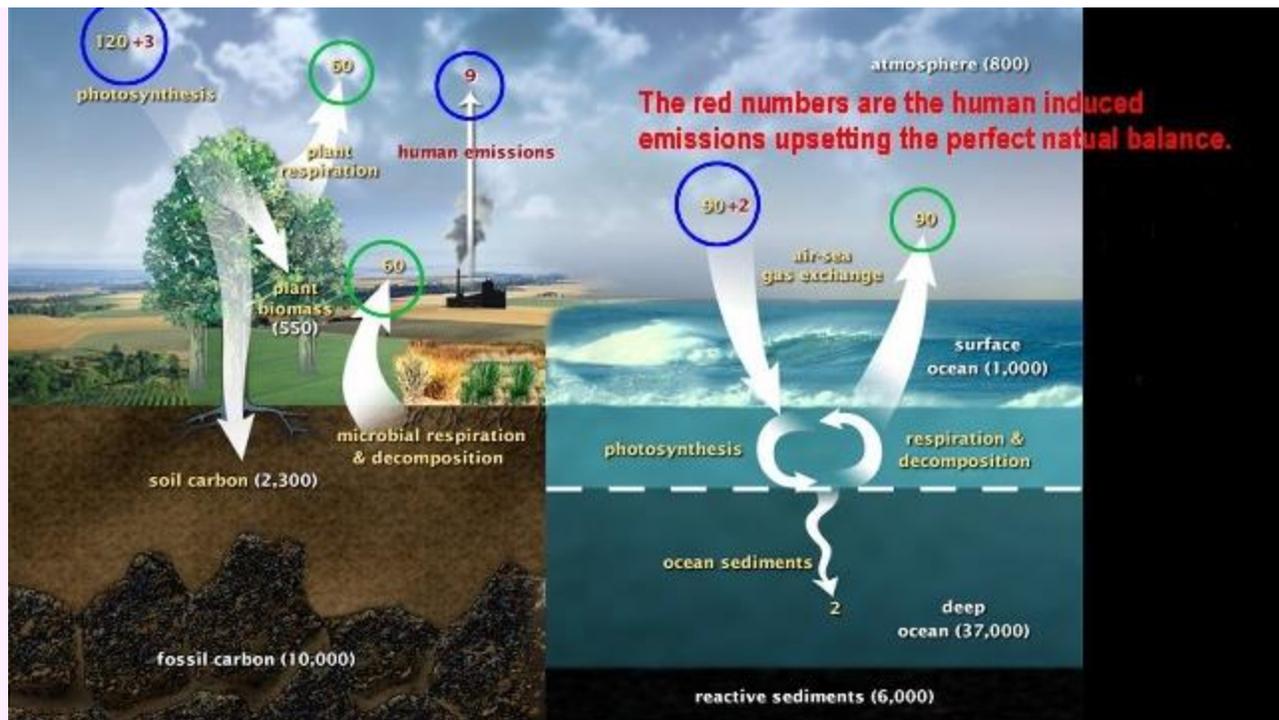
The World Development Project

Creating far-flung floating agriculture modules across the equator
between the hurricane zones, connected to a network of intercontinental floating bridges



Ultimately we will also need to relocate most of the northern agriculture into the tropics where the ice age cooling cannot impair it. Since there is not enough land in the tropics, we need to make our own, placing agriculture afloat onto the equatorial seas, linked to intercontinental floating bridges, built with floating cities along them for the new breed of farmers. This kind of building is easily possible with automated industrial production methods. Even the materials and energy resources are readily on hand.

However, the required infrastructures and processes won't be created for as long as the global warming dogma keeps a smothering mental-blanket of pure fairy-tale fiction cast over the human landscape. This is where the real starvation lies that is choking humanity to death. Of course, this choking blanket of fiction in politics, in the sciences, and in ideology in the form of the depopulation policy, can be lifted with the appropriate effort and humanity be set free to start living again.



That's what my NAWAPA-22 proposal represents. It is promoting the infinite option that is inherent in the nature of man. Technologically it is easy to uplift the global CO₂ density ten-fold, because 98% of the global CO₂ store exists dissolved in the oceans, from which it can be simply lifted out as needed. This can be done with a number of self-powering systems. When the dissolved CO₂ is brought nearer to the surface, it gasifies, and thereby makes the upwelling column lighter, which makes the entire CO₂ out-gassing system self-powering. Such a system is easily implemented technologically, but to do it is another big subject by itself.



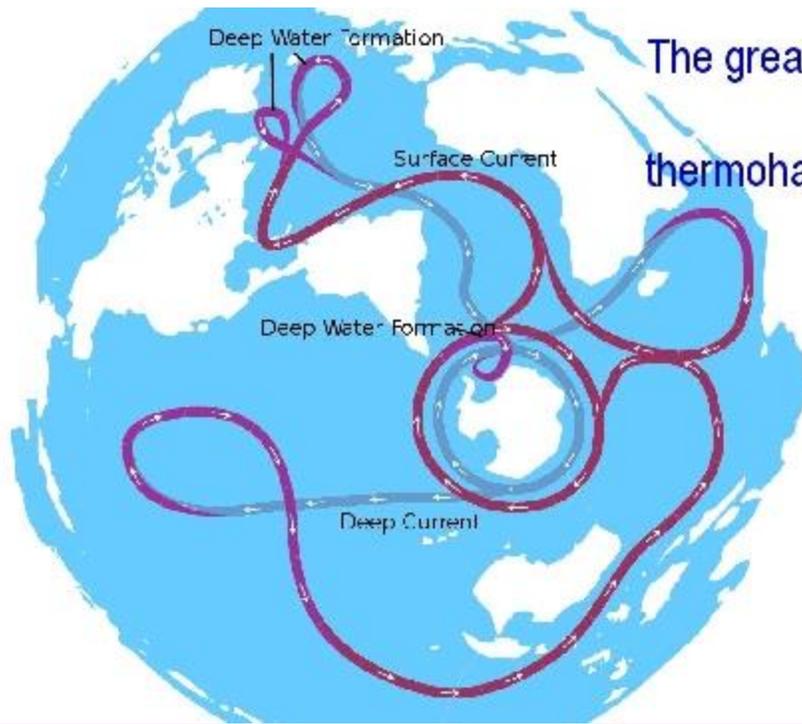
The Ice Age challenge introduces a New Paradigm that is critical to life itself on many fronts. In the face of it monetarist economics will simply vanish as the new paradigm becomes recognized. Also, if the challenge that it presents to us is fully accepted, and the means to meet the challenge are fully developed, the New Paradigm will leave all of today's disabling fictions, including the CO2 doctrine, behind in the dust of history. And so, in closing, let me make the point that humanity is an infinite, anti-entropic, and creative species with such great productive power that the entire biosphere ultimately depends on humanity's technological intervention for its very continued existence.

Antarctica



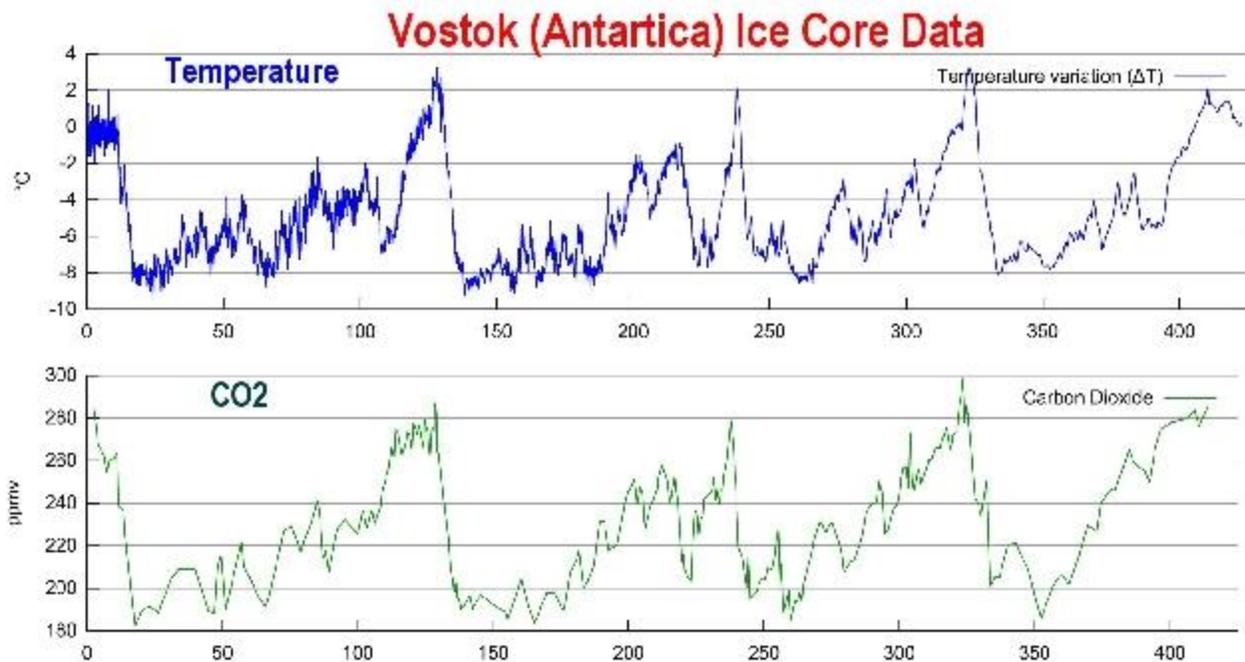
photo by Andrew Mandemaker

The ecological system of the Earth lacks the power to maintain itself against the coming Ice Age forces, which we are just beginning to understand and have so far made no effort at all in adjusting our living to them. Consequently the ecological system of the Earth really does depend on humanity for its very survival. The ecology of the Earth depends on us little human beings, and this evermore so, because during the Ice Age cycles ahead, which promise to become increasingly more-severe over the next 3 million years, the ecological system will definitely require a massive CO_2 uplift that only humanity with its boundless creativity can provide sufficiently rapidly.

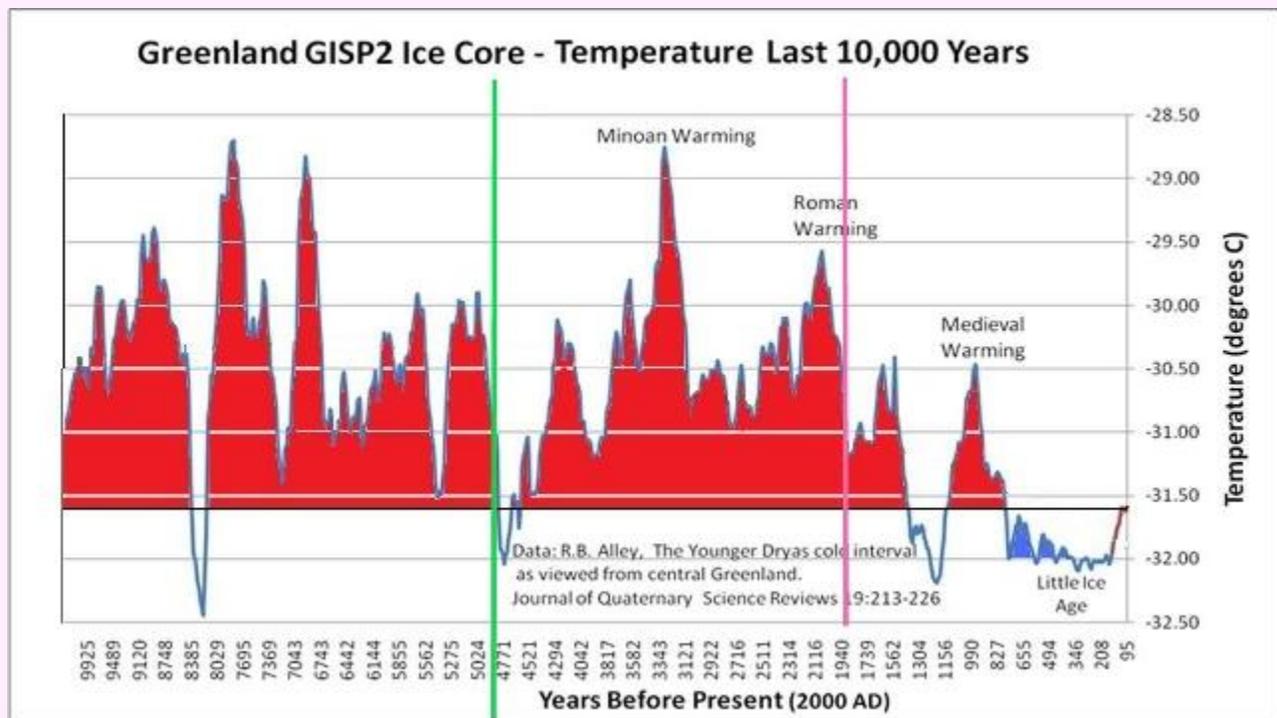


The great ocean conveyor belt
also called
thermohaline circulation (THC)

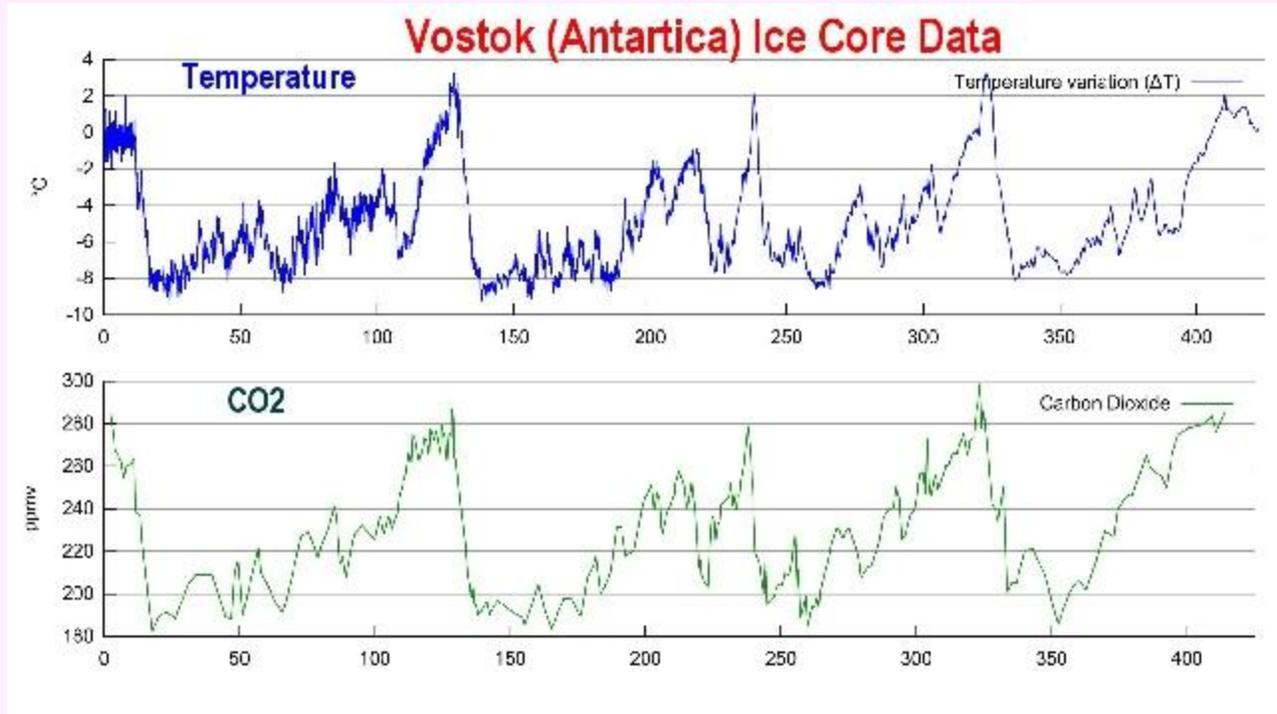
The CO_2 in the atmosphere amounts to only 2% of the global CO_2 , most of which is contained in the oceans, through which the atmospheric CO_2 is constantly recycled and redistributed globally by the great ocean conveyor belt. CO_2 dissolves more readily in the cold waters of the polar seas. Much of it is conveyed from there to the warm Pacific and the Indian Ocean where it cannot remain dissolved. This means that in the cold periods of the Ice Age more of the CO_2 is retained than is released, resulting in a lower balance. The conveyor belt operates slowly. It takes typically 800 years to flow from Antarctica to the area in the Pacific and the Indian Ocean where the transported CO_2 is released.



Ice core samples tell us that the atmospheric CO₂ concentration follows in lock step with the temperature variations during the ice ages, lagging by roughly 800 years. The two trends are almost perfectly synchronized, with the CO₂ following the temperature.

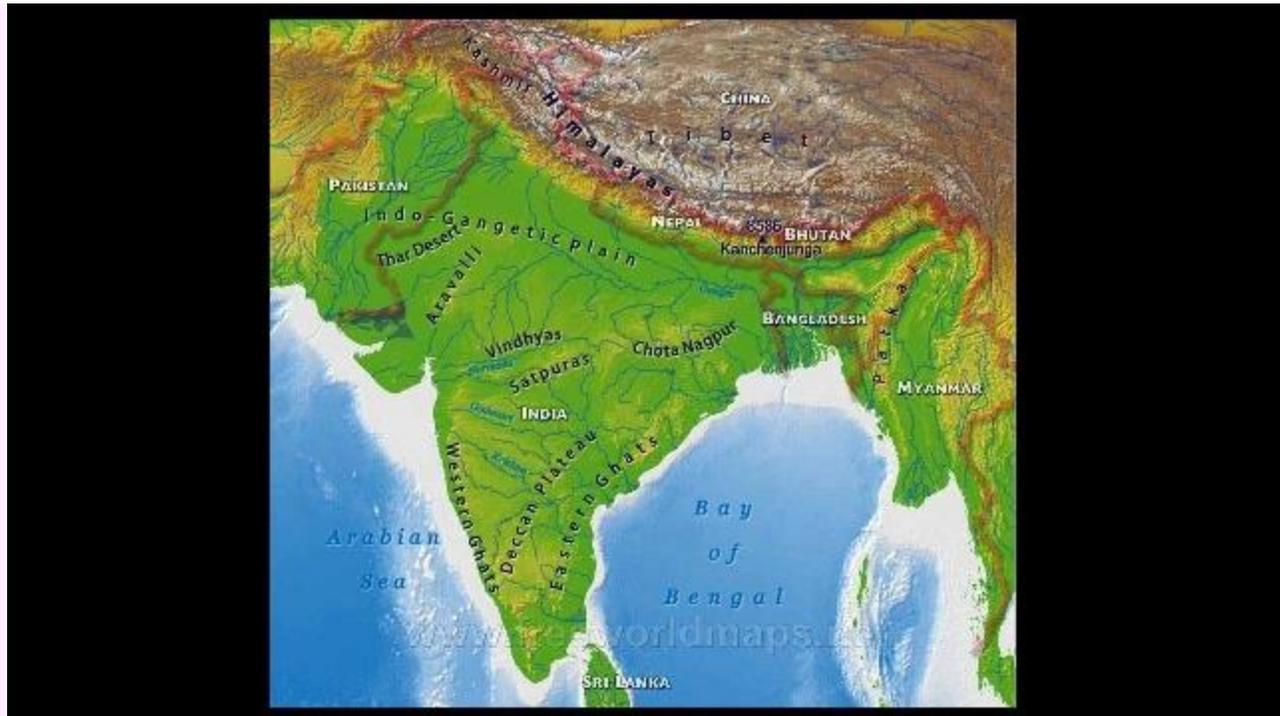


The 800-year lag time may suggest that the current upswing in CO₂ levels could reflect the elevated biology of the Medieval Warming period.

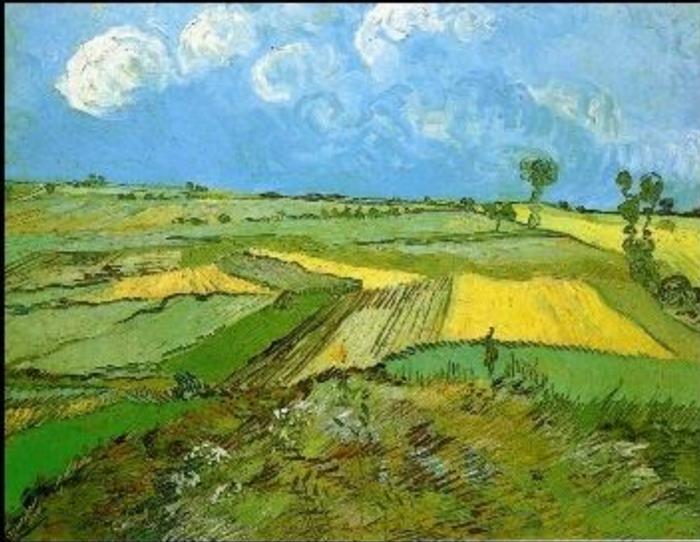


Unfortunately the ice core data represents only the conditions that existed in Antarctica, where the ice accumulated. The CO₂ levels might have been radically higher in Antarctica during the deep cold periods. CO₂ freezes into dry ice below minus 78 degrees Celsius. On Mars, for example, a third of the planet's atmosphere sits frozen on the ground in the form of CO₂ ice. On Earth, during deep ice age conditions in Antarctica, frozen CO₂, falling onto the ground, might well have enriched the ice content of it beyond what actually existed in the air.

This means that for the rest of the world the CO₂ levels may have been much lower than what had been preserved in the ice in Antarctica.



What comes to light here suggests that wide-spread ecological starvation and dying had likely occurred during the ice ages for the lack of CO₂. This might have been the reason why only a few million people survived through the last Ice Age, living of fish, since the oceans would not have been affected by the CO₂ starvation in the atmosphere. During the Ice Age, when the ocean levels were 200 to 400 feet lower, with the water being laid up on land as ice, many of today's shallow seas at the edge of the continents would have been dry land. It is known that civilizations had existed on those low lands around India. And they probably were living of fish.

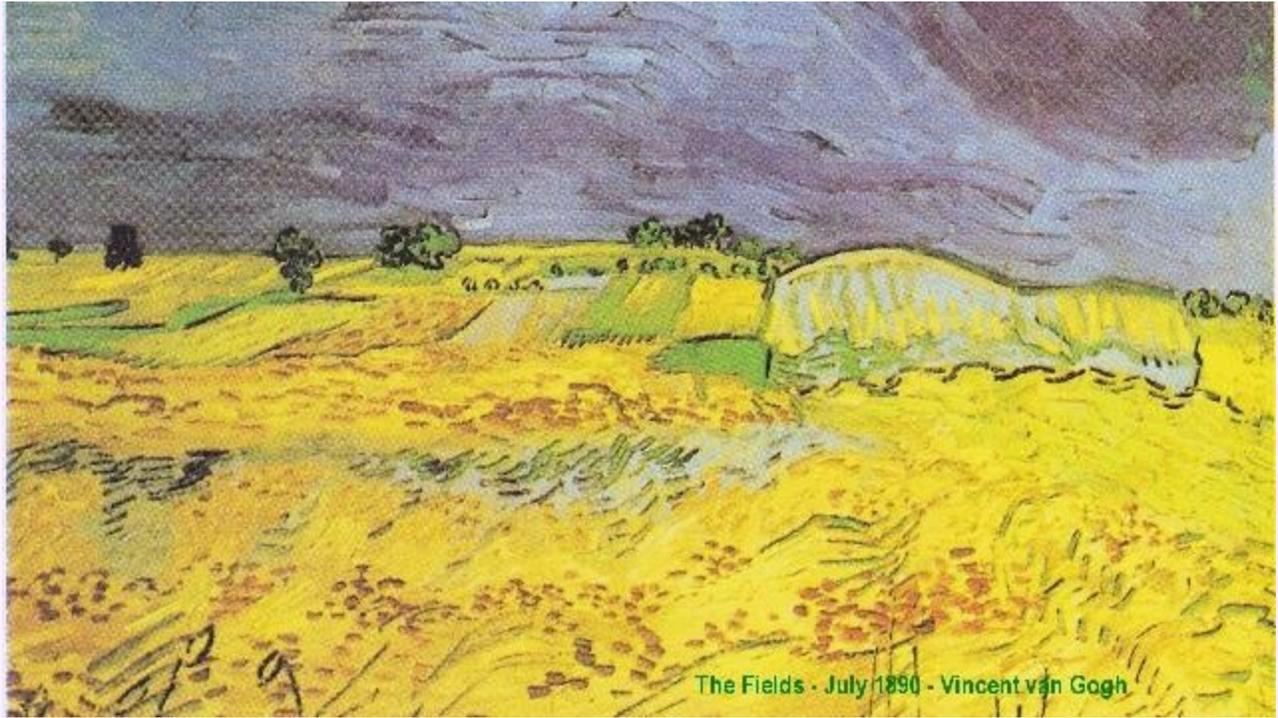


Wheat Fields at Auvers
under a Cloudy Sky

1890 - Vincent van Gogh

We won't be able to go this route with a 7 billion world population living off fish. We depend on agriculture, and on it operating efficiently.

With the CO_2 concentration in the atmosphere being presently near the biological starvation level, the potential exists that the CO_2 concentration may become depleted way below the starvation level in the coming Ice Age ahead.



While we still have time to prevent this potential catastrophe for us, by artificially enriching the global atmosphere with CO_2 , it will take a vast increase in scientific honesty for such an uplift to even be considered, even while knowing that the continuity of our agriculture depends on this being done, and with it our own continuity as a living species .



Wheat harvest on the Palouse, Idaho, USA



wikipedia

This means that the Earth needs our services as much as we need the Earth. We, the human beings, are not the pest on the Earth that the CO2 doctrine makes us out to be. We are its savior. We support it. We have enabled it to become productive. The potential exists that we have not seen anything yet along the line of protecting and enhancing the biosphere, which becomes critical during ice age environments. It may well be that this is our mission on Earth for which we came into being. Indeed, if we open our eyes to the great power that our humanity embodies, we will invariably discover that the human horizon is immensely bright if we follow our star, and this includes all aspects of life that we are a part of. On this platform our future is boundless. It beckons us to go for it. Why then wouldn't we take the footsteps needed to realize our grand potential for building a civilization of richly created abundance for life where we are truly at home as human beings?

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