

Many scientists refute AGW (manmade global warming) with solid facts, data and research. Some even show evidence of global cooling.

NO WARMING CENTRAL ASIA 1580 – 2012

“THE EARTH IS ACTUALLY COOLING”

Global Temps Continue Century-Record Plunge, Despite Rising Co2 Emissions!

Monday, 01 October 2018

NASA Sees Climate Cooling Trend Thanks to Low Sun Activity

Written by [James Murphy](#)



The climate alarmists just can't catch a break. NASA is reporting that the sun is entering one of the deepest Solar Minima of the Space Age; and Earth's atmosphere is responding in kind.

So, start pumping out that CO₂, everyone. We're going to need all the greenhouse gases we can get.

“We see a cooling trend,” said Martin Mlynczak of NASA’s Langley Research Center. “High above Earth’s surface, near the edge of space, our atmosphere is losing heat energy. If current trends continue, it could soon set a Space Age record for cold.”

The new data is coming from NASA’s Sounding of the Atmosphere using Broadband Emission Radiometry or [SABER](#) instrument, which is onboard the space agency’s Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) satellite. SABER monitors infrared radiation from carbon dioxide (CO₂) and nitric oxide (NO), two substances that play a vital role in the energy output of our thermosphere, the very top level of our atmosphere.

“The thermosphere always cools off during Solar Minimum. It’s one of the most important ways the solar cycle affects our planet,” said Mlynczak, who is the associate principal investigator for SABER.

Who knew that that [big yellow ball of light](#) in the sky had such a big influence on our climate?

There’s a bit of good news in all of this. When the thermosphere cools, it literally shrinks, therefore reducing aerodynamic drag on satellites in low Earth orbit. In effect, the shrinking thermosphere increases a satellite’s lifetime.

But that appears to be where the good news ends, unless you prefer cold weather and increased space junk. “The bad news,” according to Dr. Tony Phillips, editor of [SpaceWeather.com -- News and information about meteor showers, solar flares, auroras, and near-Earth asteroids](#), is: “It also delays the natural decay of space junk, resulting in a more cluttered environment around Earth.”

Mlynczak and his colleagues have created the Thermosphere Climate Index (TCI), which measures how much NO is dumped from the Thermosphere into outer space. During Solar Maximum the TCI number is very high. At times of Solar Minimum, TCI is low.

“Right now, (TCI) is very low indeed,” said Mlynczak. “SABER is currently measuring 33 billion Watts of infrared power from NO. That’s ten times smaller than we see during more active phases of the solar cycle.”

SABER has been in orbit for only 17 years, but Mlynczak and the scientists at NASA's Langley Research Center have been able to recreate TCI measurements back to the 1940s. "SABER taught us how to do this by revealing how TCI depends on other variables such as geomagnetic activity and the sun's UV output — things that have been measured for decades," said Mlynczak.

In fact, TCI numbers now, in the closing months of 2018, are very close to setting record lows since measurements began. "We're not quite there yet," Mlynczak reports. "but it could happen in a matter of months."

The new NASA findings are in line with studies released by [UC-San Diego](#) and [Northumbria University](#) in Great Britain last year, both of which predict a Grand Solar Minimum in coming decades due to low sunspot activity. Both studies predicted sun activity similar to the [Maunder Minimum](#) of the mid-17th to early 18th centuries, which coincided to a time known as the Little Ice Age, during which temperatures were much lower than those of today.

If all of this seems as if NASA is contradicting itself, you're right — sort of. After all, NASA also reported last week that Arctic sea ice was at its sixth lowest level since measuring began. Isn't that a sure sign of global warming?

All any of this "proves" is that we have, at best, a cursory understanding of Earth's incredibly complex climate system. So when mainstream media and carbon-credit salesman Al Gore breathlessly warn you that we must do something about climate change, it's all right to step back, take a deep breath, and realize that we don't have the knowledge, skill or resources to have much effect on the Earth's climate. God — and that big yellow ball of light in the sky — have much more impact on our climate than we ever could.



James Matkin • [6 months ago](#)

The earth is actually cooling and NASA grudgingly begins to admit reality over the fiction of failed computer modelling by the iPCP. So much waste and damage from the futile attempt to reduce our Co2 emissions for a colder climate. **The climate alarmists have ignored solar natural variability not because of the science but because of their left wing economic agenda. They have ignored leading science papers like the 400 page study THE NEGLECTED SUN Why the Sun Precludes Climate Catastrophe, by Professor Fritz Vahrenholt and Dr. Sebastian Luning. This study demonstrates that "the critical cause of global temperature change has been, and continues to be, the sun's activity."** As NASA admits the sun is in a cooling phase and the solar cycles make impossible "the catastrophic prospects put forward by the United Nations' Intergovernmental Panel on Climate Change and the alarmist agenda dominant in contemporary Western politics."

<https://www.thenewamerican.com/t...>

INDEPENDENT MINDS

THE NEGLECTED SUN



Why the Sun Precludes
Climate Catastrophe

'Professor Vahrenholt has bravely challenged the
conventional wisdom on global warming at great
personal risk and cost. His book is essential reading.'

FRITZ VAHRENHOLT
SEBASTIAN LÜNING

This book by two German scientists, FRITZ VAHRENHOLT and SEBASTIAN LÜNING is a great example of powerful science research demolishing the alarmism view denying the role of the Sun in >400 pages and 1000 references to peer reviewed science papers.

The effect of the sun's activity on climate change has been either scarcely known or overlooked. In this momentous book, Professor

*Fritz Vahrenholt and Dr Sebastian Luning demonstrate that the critical cause of global temperature change has been, and continues to be, the sun's activity. Vahrenholt and Luning reveal that four concurrent solar cycles master the earth's temperature – a climatic reality upon which man's carbon emissions bear little significance. **The sun's present cooling phase, precisely monitored in this work, renders the catastrophic prospects put about by the Inter-Governmental Panel on Climate Change and the 'green agenda' dominant in contemporary Western politics as nothing less than impossible.***

CLIMATE HYSTERIA COSTS LABOR AUSTRALIAN ELECTIONS

- **Date: 18/05/19**

-

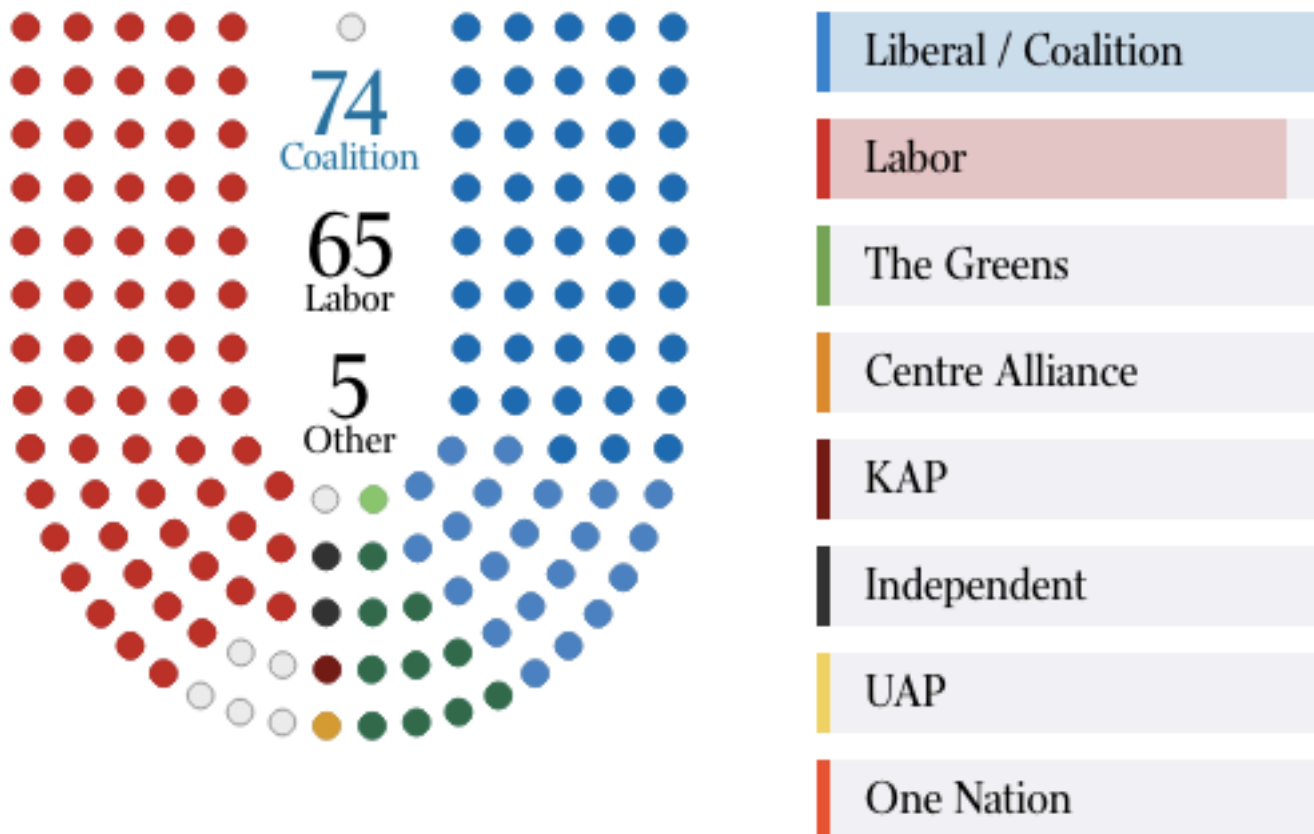
- **The Australian**

Prime Minister Scott Morrison has retained power in the Australian election while Labor's election strategy to make climate alarmism the key issue has backfired.

House of Representatives

Polls have now closed.

95% called updated 4 minutes ago



Climate Hysteria Costs Labor Party 'unlosable' Elections [The Australian, 18 May 2019](#)

Prime Minister Scott Morrison has retained power in the Australian election.

Bill Shorten's Labor Party will finish behind Scott Morrison's Coalition and the Prime Minister still has a path to a majority government.

In counting to date, the Coalition holds 74 seats to Labor's 67 seats, while the crossbench looks set to contain six members. It is ahead in three seats which are too close to call. If these leads hold, it could win a bare majority in the 151-seat House of Representatives.

Labor failed to make the gains it expected due largely to a poor primary vote of just 33.92 per cent, which was 1.59 per cent below its primary vote at the last election.

[Full story](#)

Shorten declares climate “emergency” as top priority for Labor



[Renew Economy, 16 May 2019](#)

Federal Labor leader Bill Shorten has referred to climate change as an “emergency,” in his final formal pitch to voters ahead of Saturday’s federal election.

“if you vote Labor we will deliver the change that the nation deserves from day one,” the Opposition Leader said in his speech at Bowman Hall in Blacktown, New South Wales, on Thursday.

“We will convene Parliament to prioritise real action on climate change... I promise that we will send a message to the world, that when it comes to climate change Australia is back in the fight!,” he said.

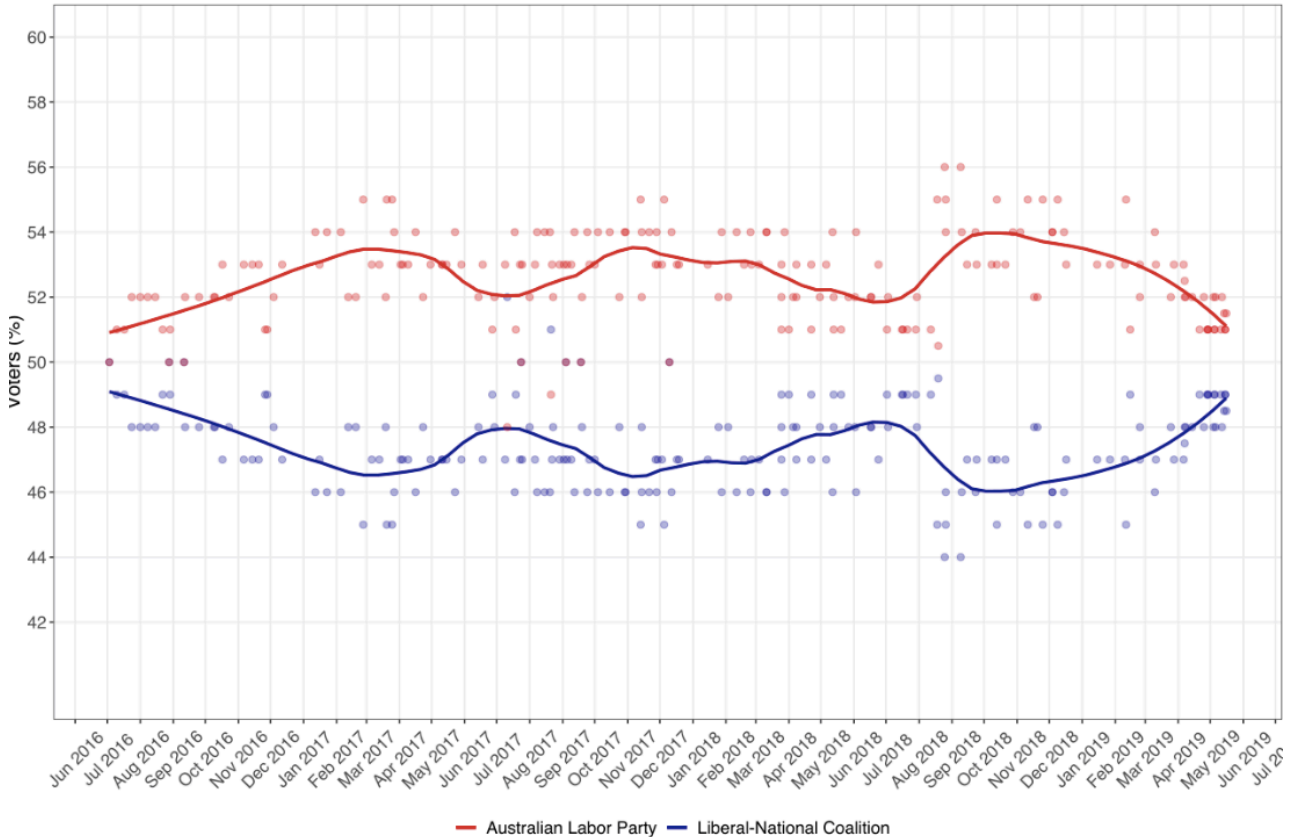
“It is not the Australian way to avoid and duck the hard fights. We will take this emergency seriously, and we will not just leave it to other countries or to the next generation.

“We are up for real action on climate change now if we get elected on Saturday.”

Australian Prime Minister Morrison Claims Victory In Historic Upset

[CNN, 18 May 2019](#) Australia Prime Minister Scott Morrison has claimed victory in the 2019 election, with results showing the Liberal National coalition is on track to be returned to government. “I have always believed

in miracles,” he told jubilant supporters in Sydney. “And tonight we’ve been delivered another one.” It was a stunning turnaround after every opinion poll over the campaign pointed to a Labor victory. Analysts are now saying Labor lost an “unlosable” election.



Labor was ahead in the polls for years when its leader caved to radical climate activists and made a ‘climate emergency’ top priority of the ‘unlosable’ election; source [Wikipedia](#)

Australians Vote In First ‘Climate Election’

AFP, 18 May 2019

Australians flocked to the polls Saturday capping a bitterly fought election that may be the first anywhere decided by climate policy.

The Most Comprehensive Assault On 'Global Warming' Ever

By Mike Van Biezen

Here are 10 of the many scientific problems with the assumption human activity is causing “global warming” or “climate change”:

1. Temperature records from around the world do not support the assumption that today’s temperatures are unusual.

The all-time high temperature record for the world was set in 1913, while the all-time cold temperature record was set in 1983. By continent, all but one set their all-time high temperature record more recently than their all-time cold temperature records. In the United States, which has more weather stations than any other location in the world, more cold temperature records by state were set more recently than hot temperature records. When the temperature records for each state were considered for each month of the year, a total of 600 data points (50 states x 12 months), again cold temperature records were set in far greater numbers more recently and hot temperature records were set longer ago. This is directly contradictory to what would be expected if global warming were real.

2. Satellite temperature data does not support the assumption that temperatures are rising rapidly:

Starting at the end of 1978, satellites began to collect temperature data from around the globe. For the next 20 years, until 1998, the global average temperature remained unchanged in direct contradiction to the earth-bound weather station data, which indicated “unprecedented” temperature increases. In 1998 there was a strong El Nino year with high temperatures, which returned to pre-1998 levels until 2001. In 2001 there was a sudden jump in the global

temperature of about 0.3 degrees centigrade which then remained at about that level for the next 14 years, with a very slight overall decrease in the global temperatures during that time.

3. Current temperatures are always compared to the temperatures of the 1980's, but for many parts of the world the 1980's was the coldest decade of the last 100+ years:

If the current temperatures are compared to those of the 1930's one would find nothing remarkable. For many places around the world, the 1930's were the warmest decade of the last 100 years, including those found in Greenland. Comparing today's temperatures to the 1980's is like comparing our summer temperatures to those in April, rather than those of last summer. It is obvious why the global warming community does this, and very misleading (or deceiving).

4. The world experienced a significant cooling trend between 1940 and 1980:

Many places around the world experienced a quite significant and persistent cooling trend to the point where scientists began to wonder if the world was beginning to slide into a new ice age period. For example, Greenland experienced some of the coldest years in 120 years during the 1980's, as was the case in many other places around the world. During that same 40-year period, the CO₂ levels around the world increased by 17%, which is a very significant increase. If global temperatures decreased by such a significant amount over 40 years while atmospheric CO₂ increased by such a large amount we can only reach two conclusions: 1. There must be a weak correlation, at best, between atmospheric CO₂ and global temperatures, 2. There must be stronger factors driving climate and temperature than atmospheric CO₂.

5. Urban heat island effect skews the temperature data of a significant number of weather stations:

It has been shown that nighttime temperatures recorded by many weather stations have been artificially raised by the expulsion of radiant heat collected and stored during the daytime by concrete and brick structures such as houses, buildings, roads, and also cars. Since land area of cities and large towns containing these weather stations only make up a very small fraction of the total land area, this influence on global average temperature data is significant. Since the daytime and nighttime temperatures are

combined to form an average, these artificially-raised nighttime temperatures skew the average data. When one only looks at daytime temperatures only from larger urban areas, the “drastic global warming” is no longer visible. (This can also be seen when looking at nearby rural area weather station data, which is more indicative of the true climate of that area).

6. There is a natural inverse relationship between global temperatures and atmospheric CO2 levels:

Contrary to what would be assumed when listening to global warming banter or while watching *An Inconvenient Truth*, higher temperatures increase atmospheric CO2 levels and lower temperatures decrease atmospheric CO2 levels, not the other way around. Any college freshman chemistry student knows that the solubility of CO2 decreases with increasing temperatures and thus Earth’s oceans will release large amounts of CO2 to the atmosphere when the water is warmer and will absorb more CO2 when the water is colder. That is why the CO2 level during the ice ages was so much lower than the levels today. That doesn’t take away the fact that we are artificially raising the atmospheric CO2 levels, but just because we do, that doesn’t mean that this will cause temperatures to increase in any significant way. The 40-year cooling period between 1940 and 1980 appear to support that premise. What we can conclude is that the ice ages were not caused by changes in the atmospheric CO2 levels and that other stronger factors were involved with these very large climate changes.

7. The CO2 cannot, from a scientific perspective, be the cause of significant global temperature changes:

The CO2 molecule is a linear molecule and thus only has limited natural vibrational frequencies, which in turn give this molecule only limited capability of absorbing radiation that is radiated from the Earth’s surface. The three main wavelengths that can be absorbed by CO2 are 4.26 micrometers, 7.2 micrometers, and 15.0 micrometers. Of those 3, only the 15-micrometer is significant because it falls right in range of the infrared frequencies emitted by Earth. However, the H2O molecule which is much more prevalent in the Earth’s atmosphere, and which is a bend molecule, thus having many more vibrational modes, absorbs many more frequencies

emitted by the Earth, including to some extent the radiation absorbed by CO₂. It turns out that between water vapor and CO₂, nearly all of the radiation that can be absorbed by CO₂ is already being absorbed. Thus increasing the CO₂ levels should have very minimal impact on the atmosphere's ability to retain heat radiated from the Earth. That explains why there appears to be a very weak correlation at best between CO₂ levels and global temperatures and why after the CO₂ levels have increased by 40% since the beginning of the industrial revolution the global average temperature has increased only 0.8 degrees centigrade, even if we want to contribute all of that increase to atmospheric CO₂ increases and none of it to natural causes.

8. There have been many periods during our recent history that a warmer climate was prevalent long before the industrial revolution:

Even in the 1990 IPCC report a chart appeared that showed the medieval warm period as having had warmer temperatures than those currently being experienced. But it is hard to convince people about global warming with that information, so five years later a new graph was presented, now known as the famous hockey stick graph, which did away with the medieval warm period. Yet the evidence is overwhelming at so many levels that warmer periods existed on Earth during the medieval warm period as well as during Roman Times and other time periods during the last 10,000 years. There is plenty of evidence found in the Dutch archives that shows that over the centuries, parts of the Netherlands disappeared beneath the water during these warm periods, only to appear again when the climate turned colder. The famous Belgian city of Brugge, once known as "Venice of the North," was a sea port during the warm period that set Europe free from the dark ages (when temperatures were much colder), but when temperatures began to drop with the onset of the little ice age, the ocean receded and now Brugge is ten miles away from the coastline. Consequently, during the medieval warm period the Vikings settled in Iceland and Greenland and even along the coast of Canada, where they enjoyed the warmer temperatures, until the climate turned cold again, after which they perished from Greenland and Iceland became ice-locked again during the bitter cold winters. The camps promoting global warming have been systematically erasing mention of these events in order to bolster the

notion that today's climate is unusual compared to our recent history.

9. Glaciers have been melting for more than 150 years

The notion of melting glaciers as prove positive that global warming is real has no real scientific basis. Glaciers have been melting for over 150 years. It is no secret that glaciers advanced to unprecedented levels in recent human history during the period known as the Little Ice Age. Many villages in the French, Swiss, and Italian Alps saw their homes threatened and fields destroyed by these large ice masses. Pleas went out to local bishops and even the Pope in Rome to come and pray in front of these glaciers in the hope of stopping their unrelenting advance. Around 1850, the climate returned to more "normal" temperatures and the glaciers began to recede. But then between 1940 and 1980, as the temperatures declined again, most of the glaciers halted their retreat and began to expand again, until warmer weather at the end of the last century caused them to continue the retreat they started 150 years earlier. Furthermore, we now know that many of the glaciers around the world did not exist 4000 to 6000 years ago. As a case in point, there is a glacier to the far north of Greenland above the large ice sheet covering most of the island called the Hans Tausen Glacier. It is 50 miles long ,30 miles wide and up to 1000 feet thick. A Scandinavian research team bored ice cores all the way to the bottom and discovered that 4000 years ago this glacier did not exist. It was so warm 4000 years ago that many of the glaciers around the world didn't exist but have returned because of the onset of colder weather. Today's temperatures are much lower than those that were predominant during the Holocene era as substantiated by studying the many cores that were dug from Greenland's ice sheet.

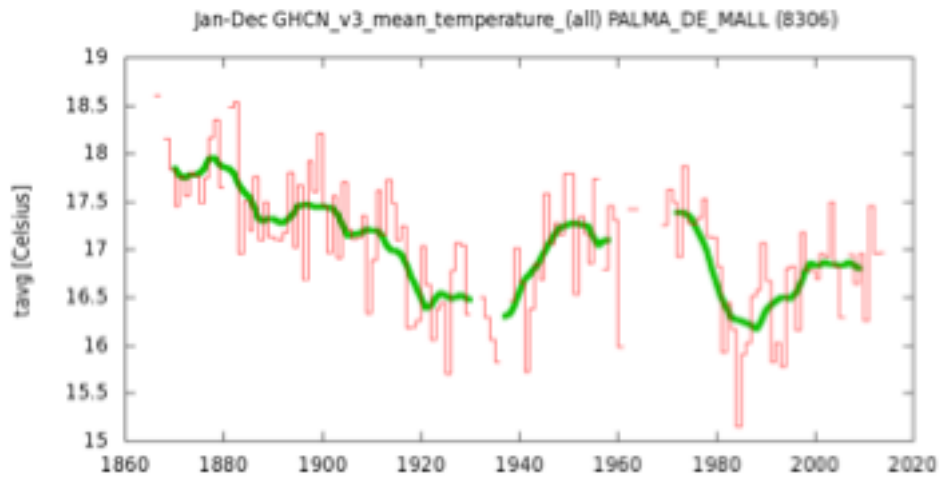
10. "Data adjustment" is used to continue the perception of global warming:

For the first several years of my research I relied on the climate data banks of NASA and GISS, two of the most prestigious scientific bodies of our country. After years of painstaking gathering of data, and relentless graphing of that data, I discovered that I was not looking at the originally gathered data, but data that had been "adjusted" for what was deemed "scientific reasons." Unadjusted data is simply not available from these data banks. Fortunately I was able to find the original weather station data from over 7000 weather

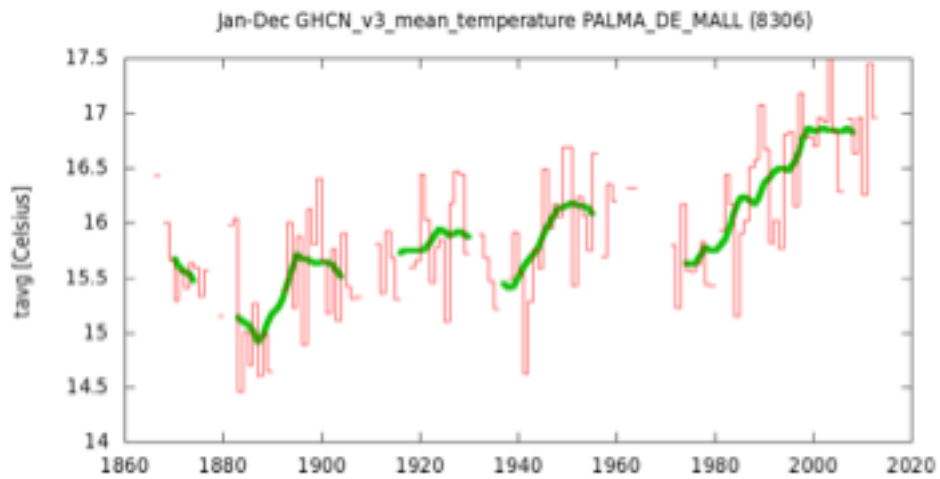
stations from around the world in the KNMI database. (Royal Dutch Meteorological Institute). There I was able to review both the adjusted and unadjusted data as well as the breakout of the daytime and nighttime data. The results were astounding. I found that data from many stations around the world had been systematically “adjusted” to make it seem that global warming was happening when, in fact, for many places around the world the opposite was true. Following will be a few of the myriad of examples of this data adjustment. When I present my material during presentations at local colleges, these are the charts that have some of the greatest impact in affecting the opinion of the students, especially when they realize that there is a concerted effort to misrepresent what is actually happening. Another amazing result was that when only graphing the daily highs from around the country, a very different picture arises from the historical temperature data.

There are many more specific areas that I have researched and for which I have compiled data and presentation material, equally compelling regarding exposing the fallacies of global warming. A new twist has swept the global warming movement lately, especially since they had to admit that their own data showed that there was a “hiatus” on the warming, as illustrated in the 2014 IPCC report; their data showed an actual cooling over the last 10 years. The new term: “climate change” is now taking over, such that unusual events of any kind, like the record snowfall in Boston, can be blamed on the burning of fossil fuels without offering any concrete scientific data as to how one could cause the other.

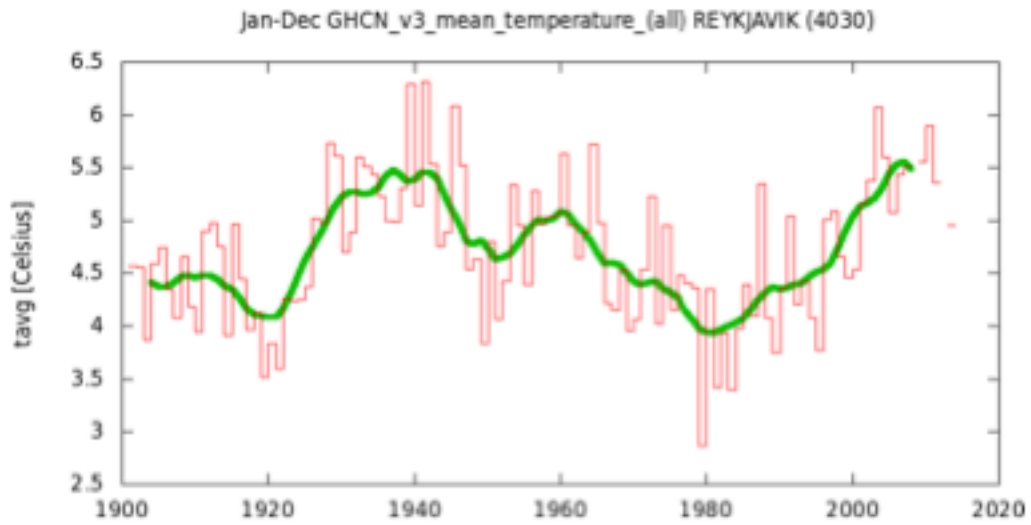
Palma de Mallorca Spain **Before** Data Adjustment



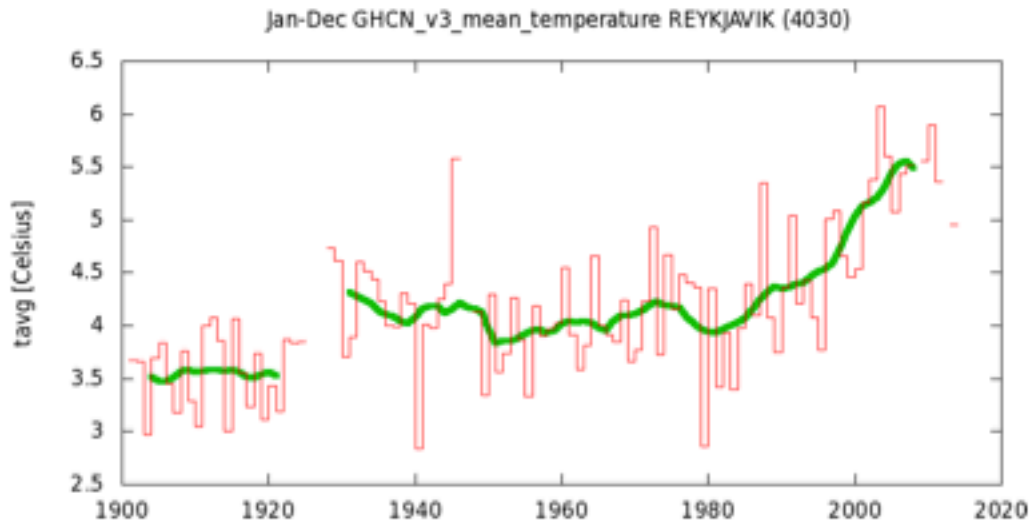
Palma de Mallorca Spain **After** Data Adjustment



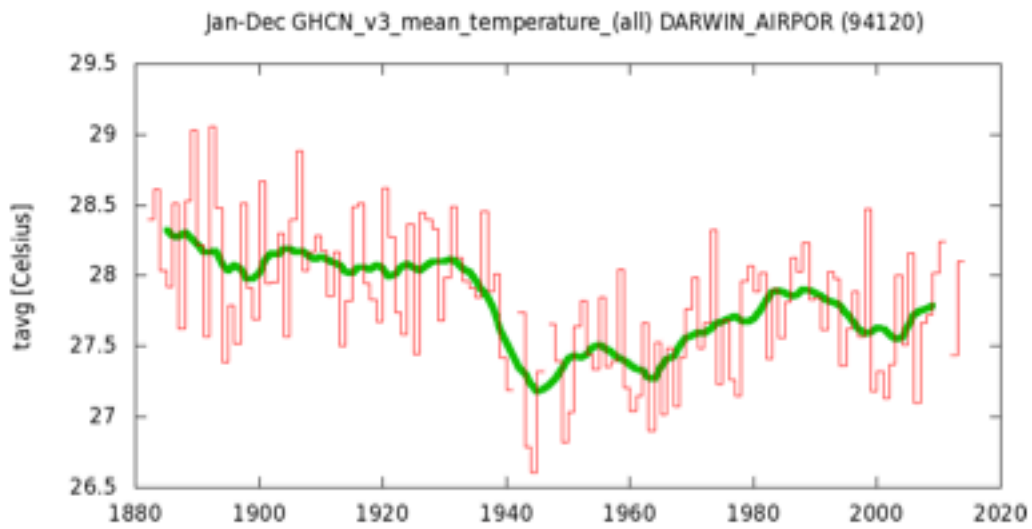
Reykjavik Iceland **Before** Data Adjustment



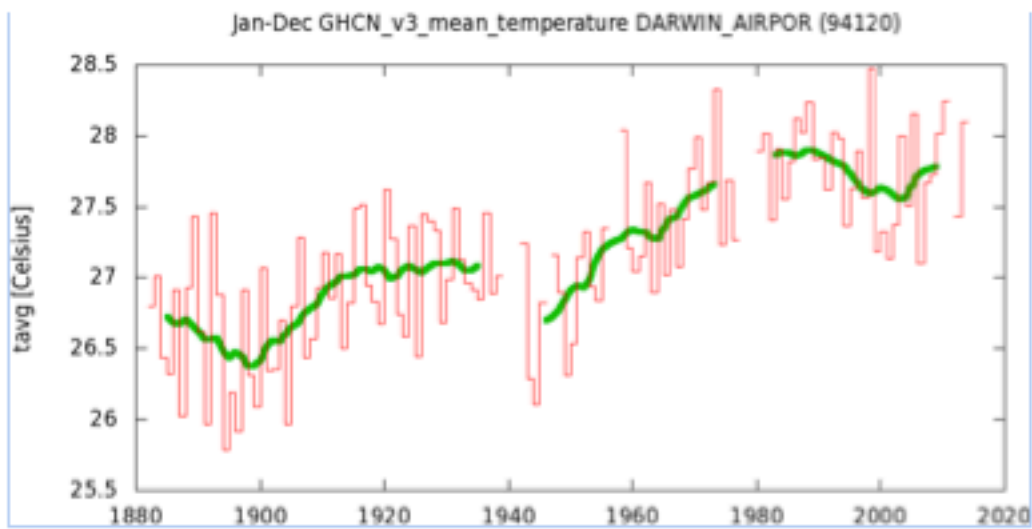
Reykjavik Iceland **After** Data Adjustment



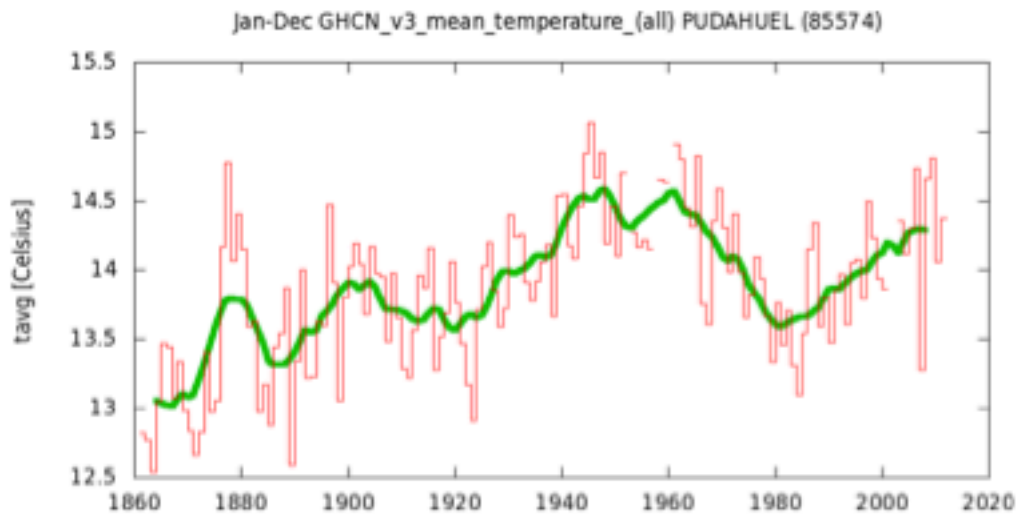
Darwin Australia **Before** Data Adjustment



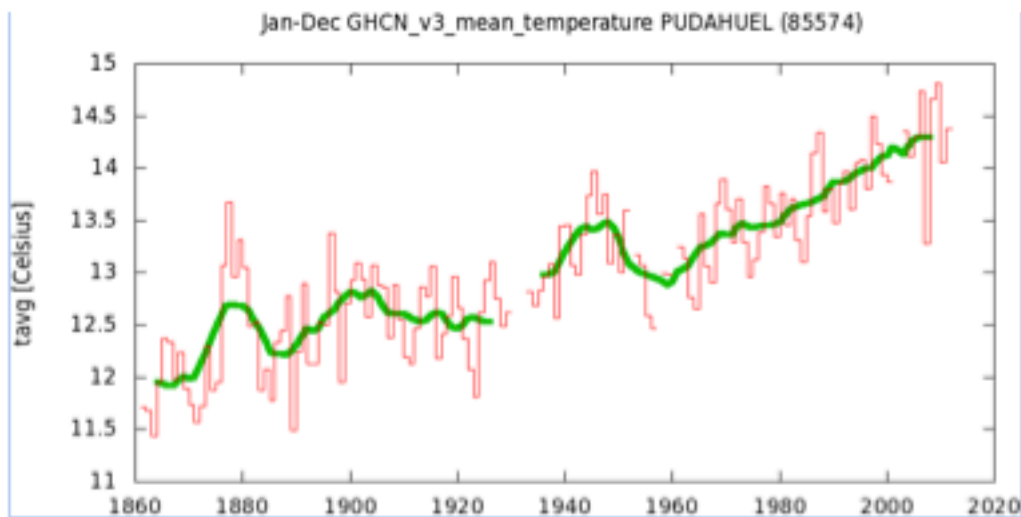
Darwin Australia **After** Data Adjustment



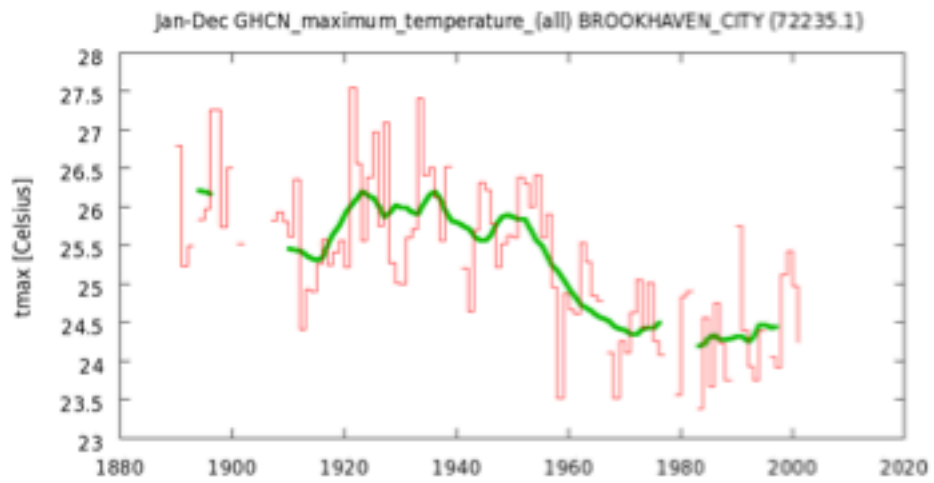
Santiago Chile Before Data Adjustment



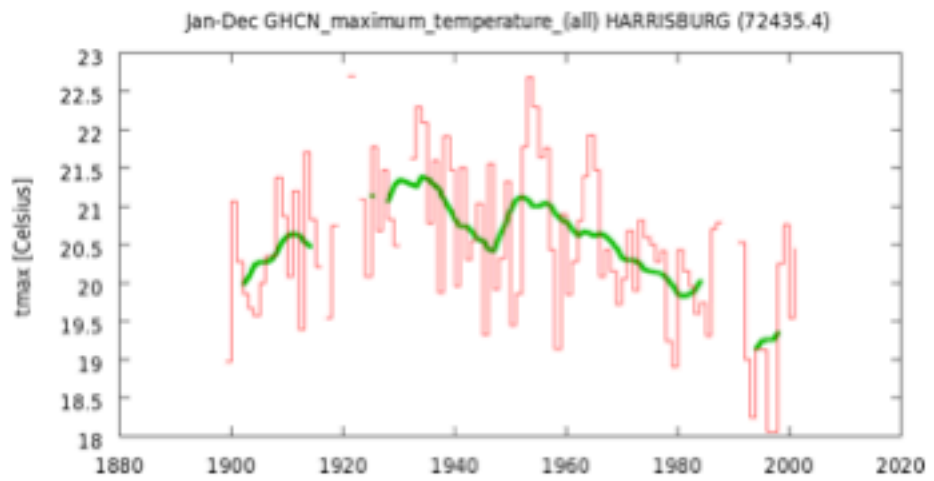
Santiago Chile After Data Adjustment



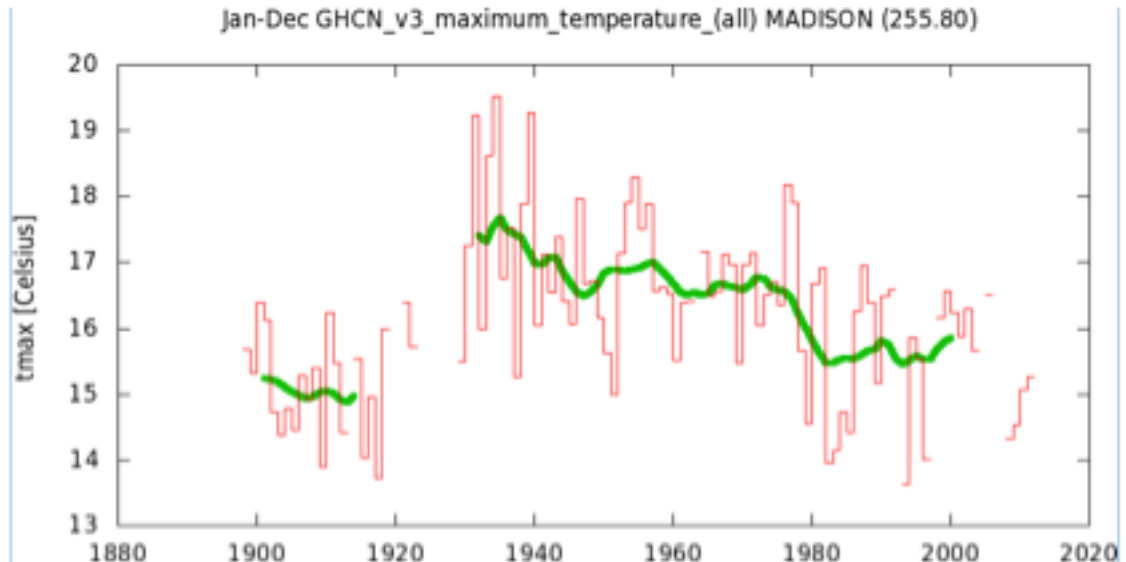
Brookhaven City, Alabama



Harrisburg, Illinois



Madison, Nebraska



Mike van Biezen is adjunct professor at Compton College, Santa Monica College, El Camino College, and Loyola Marymount University teaching Physics, Mathematics, Astronomy, and Earth Science.

<https://www.dailywire.com/news/2071/most-comprehensive-assault-global-warming-ever-mike-van-biezen>

globe - **WINTER COMES EARLY DOWN UNDER: EARLIEST RECORDED SNOWFALL IN WESTERN AUSTRALIA**

- [Date: 20/04/19](#)
- [ABC News](#)

It is the earliest recorded snow event in the state's history.



Western Australia's south-west received an unexpected surprise on Good Friday, with snowfall on Bluff Knoll in the Stirling Ranges.

A flurry was recorded on the peak, the highest point in the Stirling Ranges, about 100 kilometres north of Albany, after 2:00pm on Friday.

It is the earliest recorded snow event in a calendar year in the state's history.

The last recorded fall before this time was April 20, 1970, according to Bureau of Meteorology (BOM) records.

Dozens of hikers made the trek up the 1099-metre tall Bluff Knoll on Friday, which generally records light snow a couple of times each winter but rarely in April.

[Winter comes early down under: Earliest recorded snowfall in Western Australia - The Global Warming Policy Forum \(GWPF\)](#)

The earth is cooling not warming!

It is not disputed that we are in an ice age from 2.5 million years ago so have temperatures changed upward enough that we break out into the next global warming period?

*An **ice age** is a long period of reduction in the temperature of the [Earth's](#) surface and atmosphere, resulting in the presence or expansion of continental and polar [ice sheets](#) and alpine [glaciers](#). Earth is currently in the [Quaternary glaciation](#), known in popular terminology as the **Ice Age**.^[1] Wikipedia*

While we do not have all the answers to what caused the ice age and what triggers a change of climate from warmer interglacial to much colder glaciation, we do know to be wary of longer winters, shorter springs and cooler summers. There is good reason. Snowfall has a strong cooling effect on the climate.

NO CLIMATE CHANGE IN TEMPERATURE.

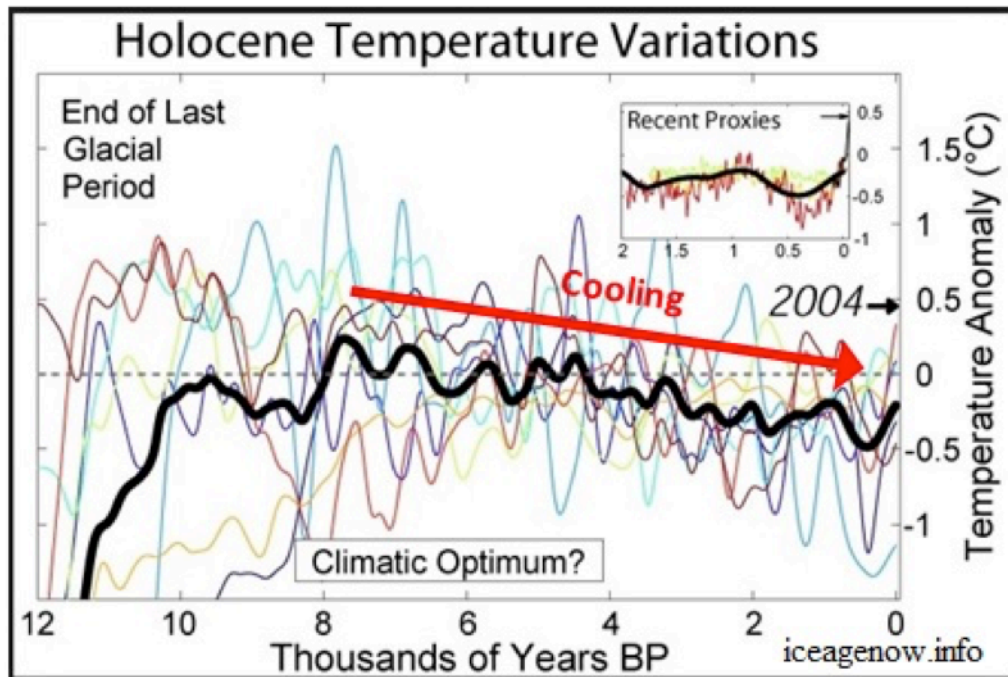
Temperature increases over the past 140 years at 0.8°C are too small and within the range of natural variability to constitute human made global warming.

NASA Goddard Institute finds warming of 0.8* Celsius (1.4* Fahrenheit) since 1880. This means an average of only 0.0175 degree Celsius temperature increase annually. This minute amount is within the statistical error of data.

Weather by itself cannot be evidence of global warming/ climate unless there is statistical record stretching far enough back to account for thousands of years or at least for centuries.

If for example we have declining temperatures from the past 7000 years then the onus to rebut this cooling and declare a *new weather pattern* of warming that amounts to

‘climate change’ is high and has not happened since our industrialization.



Holocene climatic optimum - Wikipedia

This graph is taken from [Wikipedia](#). It shows eight different reconstructions of Holocene temperature. The thick black line is the average of these. Time progresses from left to right.

On this graph the Stone Age is shown only about one degree warmer than present day, but most sources mention that Scandinavian Stone Age was about 2-3 degrees warmer than the present; this need not to be mutually excluding statements, because the curve reconstructs the entire Earth's temperature, and on higher latitudes the temperature variations were greater than about equator.

Some reconstructions show a vertical dramatic increase in temperature around the year 2000, but it seems not reasonable to the author, since that kind of graphs cannot possibly show temperature in specific years, it must necessarily be smoothed by a kind of mathematical rolling average, perhaps with periods of hundred years, and then a high temperature in a single year, for example, 2004 will be much less visible.

The trend seems to be that Holocene's highest temperature was reached in the Hunter Stone Age about 8,000 years before present, thereafter the temperature has generally been steadily falling, however, superimposed by many cold and warm periods, including the modern warm period.

Currently, what fraction of academic scientists believe climate change is being caused by humans?



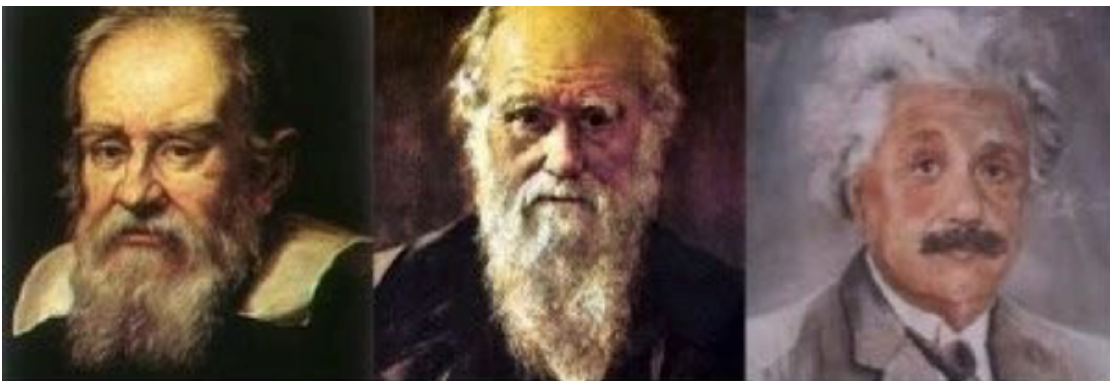
James Matkin, EDITOR ACADEMIA.EDU (2019-present)

[Updated Mar 24](#)

Any scientist worth his salt does not engage in climate change 'belief' that is for religion and politicians and they are well represented. Scientist look for evidence and never say the science is settled as long as questions arise. Today the major question is whether there is any global warming or just a blip in the long decline in temperatures over the past 7000 years.

The evidence shows many more credentialed scientists who disagree than those who support human caused global warming - a radical unproved claim denying Mother Nature and natural variability. The lists following are in the thousands and verified. But first science is not like politics or religion it is not a consensus business.

IT JUST TAKES ONE BRILLIANT MIND TO BREAK WITH THE CONSENSUS.



Galileo - Darwin - Einstein

"Let's be clear: the work of science has nothing whatever to do with consensus. Consensus is the business of politics. Science, on the contrary, requires only one investigator who happens to be right, which means that he or she has results that are verifiable by reference

to the real world. In science consensus is irrelevant. What is relevant is reproducible results. The greatest scientists in history are great precisely because they broke with the consensus... - Michael Crichton, A.B. Anthropology, M.D. Harvard

Harvard / MIT scientist Dr. Willie Soon is one highly credentialed investigator that happens to be right pointing out that the UNIPCC alarmists are wrong.



Dr. Willie Soon versus the Climate Apocalypse

More honesty and less hubris, more evidence and less dogmatism, would do a world of good

Dr. Jeffrey Foss

“What can I do to correct these crazy, super wrong errors?” Willie Soon asked plaintively in a recent e-chat. “What errors, Willie?” I asked.

“Errors in Total Solar Irradiance,” he replied. “The Intergovernmental Panel on Climate Change keeps using the *wrong numbers!* It’s making me feel *sick* to keep seeing this error. I keep telling them – but they keep *ignoring* their mistake.”

Astrophysicist Dr. Willie Soon really does get sick when he sees scientists veering off their mission: to discover the truth. I’ve seen his face flush with shock and shame for science when scientists cherry-

pick data. It ruins his appetite – a real downer for someone who loves his food as much as Willie does.

You have got to love a guy like that, if you love science – and I do. I’m a philosopher of science, not a scientist, but my love for science runs deep – as does my faith. So I cannot help but admire Willie and his good old-fashioned passion for science.

Willie Soon may one day be a household name. More and more he appears at the pointy end of scientific criticism of Climate Apocalypse. In two recent lawsuits against Big Oil, one by New York City and the other by San Francisco and Oakland, Dr. Soon is named as the “paid agent” of “climate change denialism.” As the man who – Gasp! – single handedly convinced Big Oil to continue business as usual.

Can you even imagine that? I can’t: Big Oil couldn’t turn off its taps in big cities even if it wanted to.

Putting such silly lawsuits aside, it is a big honor, historically speaking, for Dr. Soon to be the face of scientific rebuttal of Climate Apocalypse, since feeding the developed world’s apocalypse addiction is the main tool of a powerful global political agenda.

The IPCC – along with the United Nations and many environmentalist organizations, politicians, bureaucrats and their followers – desperately want to halt and even roll back development in the industrialized world, and keep Africa and other poor countries permanently undeveloped, while China races ahead. They want Willie silenced. We the people need to make sure he is heard.

Dr. Soon never sought the job of defending us against the slick, computer model-driven, anti-fossil fuel certainties of Climate Apocalypse. Willie just happened to choose solar science as a career and, like many solar scientists, after nearly three decades of scientific research in his case, came to believe that changes in the sun’s brightness, sunspots and energy output, changes in the orbital position of the Earth relative to the sun, and other powerful natural forces drive climate change. In brief, our sun controls our climate.

Even the IPCC initially indicated agreement with him, citing his work approvingly in its second (1996) and third (2001) Assessment

Reports. That later changed, significantly. Sure, everyone agrees that the sun caused the waxing and waning of the ice ages, just as solar scientists say. However, the sun had to be played down if carbon dioxide (CO₂) was to be played up – an abuse of science that makes Willie sick.

Unfortunately for the IPCC, solar scientists think solar changes also explain Earth's most recent warming period which, they point out, began way back in the 1830s – long before we burned enough fossil fuels to make any difference. They also observed the shrinking of the Martian ice-caps in the 1990s, and their return in the last few years – in perfect time with the waning and waxing of Arctic ice caps here on Earth.

Only the sun – not the CO₂ from our fires – could cause that Earth-Mars synchronicity. And surely it is no mere coincidence that a grand maximum in solar brightness (Total Solar Irradiance or TSI) took place in the 1990s as both planets' ice caps shrank, or that the sun cooled (TSI decreased) as both planets' ice caps grew once again. All that brings us back to Dr. Soon's disagreements with the IPCC.

The IPCC now insists that solar variability is so tiny that they can just ignore it, and proclaim CO₂ emissions as the driving force behind climate change. But solar researchers long ago discovered unexpected variability in the sun's brightness – variability that is confirmed in other stars of the sun's type. Why does the IPCC ignore these facts? Why does it insist on spoiling Willie's appetite?

It sure looks like the IPCC is hiding the best findings of solar science so that it can trumpet the decreases in planetary warming (the so-called "greenhouse effect") that they embed in the "scenarios" (as they call them) emanating from their computer models. Ignoring the increase in solar brightness over the 80s and 90s, they instead enthusiastically blame the warmth of the 1990s on human production of CO₂.

In just such ways they sell us their Climate Apocalypse – along with the roll-back of human energy use, comfort, living standards and progress: sacrifices that the great green gods of Gaia demand of us if we are to avoid existential cataclysms. Thankfully, virgins are still safe – for now.

Surely Willie and solar scientists are right about the primacy of the sun. Why? Because the observable real world is the final test of science. And the data – actual evidence – shows that global temperatures follow changes in solar brightness on all time-scales, from decades to millions of years. On the other hand, CO₂ and temperature have generally gone their own separate ways on these time scales.

Global temperatures stopped going up in the first two decades of this century, even though CO₂ has steadily risen. The IPCC blames this global warming “hiatus” on “natural climate variability,” meaning something random, something not included in their models, something the IPCC didn’t see coming.

This confirms the fact that their models do not add up to a real theory of climate. Otherwise the theory would be falsified by their incorrect predictions. They predicted a continuous increase in temperature, locked to a continuous increase in CO₂. But instead, temperature has remained steady over the last two decades, while CO₂ climbed even faster than before.

IPCC modelers still insist that the models are nevertheless correct, somehow – that the world would be even colder now if it weren’t for this pesky hiatus in CO₂-driven warming. Of course, they have to say that – even though they previously insisted the Earth would not be as cool as it is right now.

Still, their politically correct commands stridently persist: stay colder in winter, stay hotter in summer, take cold showers, drive less, make fewer trips, fly less, don’t eat foods that aren’t “local,” bury your loved ones in cardboard boxes, turn off the lights. Their list of diktats is big and continuously growing.

Unlike the IPCC, Willie and I cannot simply ignore the fact that there were multiple ice ages millions of years ago, when CO₂ levels were four times higher than now. And even when CO₂ and temperature do trend in tandem, as in the famous gigantic graph in Al Gore’s movie, the CO₂ rises *followed* temperature increases by a few centuries. That means rising CO₂ could not possibly have caused the temperature increases – an inconvenient truth that Gore doesn’t care about and studiously ignores.

Unfortunately, through their powerful political and media cadres, the IPCC has created a highly effective propaganda and war-on-fossil-fuels vehicle, to herd public opinion – and marginalize or silence any scientist who dares to disagree with it. For better or worse, richer or poorer, my dear, passionate Dr. Soon is one scientist who is always ready to stand in the path of that tank and face it down: anytime, anywhere.

I'm frightened by the dangers to Willie, his family and his career, due to his daily battles with the Climate Apocalypse industry. I can't get it out of my mind that the university office building of climatologist John Christy – who shares Willie's skepticism of Climate Apocalypse – was shot full of bullet holes last year. But let's not let a spattering of gunfire spoil a friendly scientific debate. Right?

Willie's courage makes me proud to know him, and to be an aficionado of science like he is. When it comes to the long game, my money is on Dr. Willie Soon. We the people hunger for truth, as does science itself. And that hunger will inevitably eclipse our romantic dalliance with the Climate Apocalypse.

Dr. Jeffrey Foss is a philosopher of science and Professor Emeritus at the University of Victoria, Victoria, British Columbia, Canada

[Dr. Willie Soon versus the Climate Apocalypse](#)

Another highly credentialed scientist who disagrees with the so called consensus and publishes peer reviewed papers to prove they are wrong is Prof Henrik Svensmark.



Henrik Svensmark

The hypothesis is that solar variability is linked to climate variability by a chain that involves the solar wind, cosmic rays and clouds.

**Center for Sun-Climate Research
DTU Space - National Space Institute
Technical University of Denmark**

http://www.space.dtu.dk/english/research/research_divisions/solar_system_ph

“In fact global warming has stopped and a cooling is beginning. No climate model has predicted a cooling of the Earth – quite the contrary. And this means that the projections of future climate are unreliable,” writes Henrik Svensmark.

A brilliant Danish scientist PROF HENRIK SVENSMARK explained this reality as follows:

Svensmark: “global warming stopped and a cooling is beginning” – “enjoy global warming while it lasts”

Anthony Watts / September 10, 2009

UPDATED: This opinion piece from Professor Henrik Svensmark was published September 9th in the Danish newspaper Jyllands-Posten. Originally the translation was from Google translation with some post translation cleanup of jumbled words or phrases by myself. Now as of Sept 12, the translation is by Nigel Calder. Hat tip to Carsten Arnholm of Norway for bringing this to my attention and especially for translation facilitation by Ágúst H Bjarnason – Anthony

While the sun sleeps

Translation approved by Henrik Svensmark

While the Sun sleeps

Henrik Svensmark, Professor, Technical University of Denmark, Copenhagen

The star that keeps us alive has, over the last few years, been almost free of sunspots, which are the usual signs of the Sun's magnetic activity. Last week [4 September 2009] the scientific team behind the satellite SOHO (Solar and Heliospheric Observatory) reported, "It is likely that the current year's number of blank days will be the longest in about 100 years." Everything indicates that the Sun is going into some kind of hibernation, and the obvious question is what significance that has for us on Earth.

If you ask the Intergovernmental Panel on Climate Change (IPCC) which represents the current consensus on climate change, the answer is a reassuring "nothing". But history and recent research suggest that is probably completely wrong. Why? Let's take a closer look.

Solar activity has always varied. Around the year 1000, we had a period of very high solar activity, which coincided with the Medieval Warm Period. It was a time when frosts in May were almost unknown – a matter of great importance for a good harvest. Vikings settled in Greenland and explored the coast of North America. On the whole it was a good time. For example, China's population doubled in this period.

But after about 1300 solar activity declined and the world began to get colder. It was the beginning of the episode we now call the Little Ice Age. In this cold time, all the Viking settlements in Greenland disappeared. Sweden surprised Denmark by marching across the ice, and in London the Thames froze repeatedly. But more serious were the long periods of crop failures, which resulted in poorly nourished populations, reduced in Europe by about 30 per cent because of disease and hunger.

"The March across the Belts was a campaign between January 30 and February 8, 1658 during the Northern Wars where Swedish king Karl X Gustav led the Swedish army from Jutland across the ice of the Little Belt and the Great Belt to reach Zealand (Danish: Sjælland). The risky but vastly successful crossing was a crushing blow to

Denmark, and led to the Treaty of Roskilde later that year...." - Click for larger image.

It's important to realise that the Little Ice Age was a global event. It ended in the late 19th Century and was followed by increasing solar activity. Over the past 50 years solar activity has been at its highest since the medieval warmth of 1000 years ago. But now it appears that the Sun has changed again, and is returning towards what solar scientists call a "grand minimum" such as we saw in the Little Ice Age.

The match between solar activity and climate through the ages is sometimes explained away as coincidence. Yet it turns out that, almost no matter when you look and not just in the last 1000 years, there is a link. Solar activity has repeatedly fluctuated between high and low during the past 10,000 years. In fact the Sun spent about 17 per cent of those 10,000 years in a sleeping mode, with a cooling Earth the result.

You may wonder why the international climate panel IPCC does not believe that the Sun's changing activity affects the climate. The reason is that it considers only changes in solar radiation. That would be the simplest way for the Sun to change the climate – a bit like turning up and down the brightness of a light bulb.

Satellite measurements have shown that the variations of solar radiation are too small to explain climate change. **But the panel has closed its eyes to another, much more powerful way for the Sun to affect Earth's climate. In 1996 we discovered a surprising influence of the Sun – its impact on Earth's cloud cover. High-energy accelerated particles coming from exploded stars, the cosmic rays, help to form clouds. [EMPHASIS ADDED]**

When the Sun is active, its magnetic field is better at shielding us against the cosmic rays coming from outer space, before they reach our planet. By regulating the Earth's cloud cover, the Sun can turn the temperature up and down. High solar activity means fewer clouds and a warmer world. Low solar activity and poorer shielding against cosmic rays result in increased cloud cover and hence a cooling. As the Sun's magnetism doubled in strength during the 20th

century, this natural mechanism may be responsible for a large part of global warming seen then.

That also explains why most climate scientists try to ignore this possibility. It does not favour their idea that the 20th century temperature rise was mainly due to human emissions of CO₂. If the Sun provoked a significant part of warming in the 20th Century, then the contribution by CO₂ must necessarily be smaller.

Correlation between variations in cosmic ray flux (red) and change in sea temperature (black).

Ever since we put forward our theory in 1996, it has been subjected to very sharp criticism, which is normal in science.

First it was said that a link between clouds and solar activity could not be correct, because no physical mechanism was known. But in 2006, after many years of work, we completed experiments at DTU Space that demonstrated the existence of a physical mechanism. The cosmic rays help to form aerosols, which are the seeds for cloud formation.

Then came the criticism that the mechanism we found in the laboratory could not work in the real atmosphere, and therefore had no practical significance. We have just rejected that criticism emphatically.

It turns out that the Sun itself performs what might be called natural experiments. Giant solar eruptions can cause the cosmic ray intensity on earth to dive suddenly over a few days. In the days following an eruption, cloud cover can fall by about 4 per cent. And the amount of liquid water in cloud droplets is reduced by almost 7 per cent. Here is a very large effect – indeed so great that in popular terms the Earth's clouds originate in space.

So we have watched the Sun's magnetic activity with increasing concern, since it began to wane in the mid-1990s.

That the Sun might now fall asleep in a deep minimum was suggested by solar scientists at a meeting in Kiruna in Sweden two years ago. So when Nigel Calder and I updated our book *The Chilling Stars*, we wrote a little provocatively that **“we are advising our friends to enjoy global warming while it lasts.”**

In fact global warming has stopped and a cooling is beginning. Mojib Latif from the University of Kiel argued at the recent UN World Climate Conference in Geneva that the cooling may continue through the next 10 to 20 years. His explanation was a natural change in the North Atlantic circulation, not in solar activity. But no matter how you interpret them, natural variations in climate are making a comeback.

SUNSPOTS DECLINE AS SOLAR RADIATION DECLINES

The outcome may be that the Sun itself will demonstrate its importance for climate and so challenge the theories of global warming. No climate model has predicted a cooling of the Earth – quite the contrary. And this means that the projections of future climate are unreliable. A forecast saying it may be either warmer or colder for 50 years is not very useful, and science is not yet able to predict solar activity.

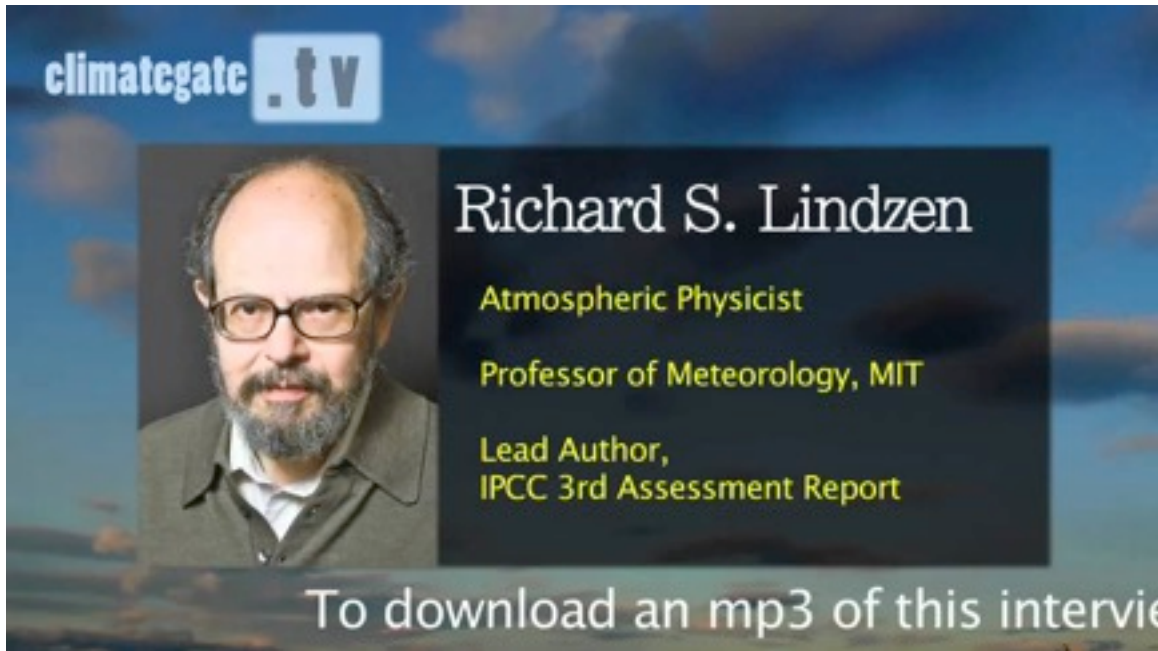
So in many ways we stand at a crossroads. The near future will be extremely interesting. I think it is important to accept that Nature pays no heed to what we humans think about it. Will the greenhouse theory survive a significant cooling of the Earth? Not in its current dominant form. Unfortunately, tomorrow's climate challenges will be quite different from the greenhouse theory's predictions. Perhaps it will become fashionable again to investigate the Sun's impact on our climate.

Professor Henrik Svensmark is director of the Center for Sun-Climate Research at DTU Space. His book **The Chilling Stars** has also been published in Danish as Klima og Kosmos Gads Forlag, DK ISBN 9788712043508)

<https://principia-scientific.org...>

Another highly credentialed scientist who disagrees is

018 Annual GWPF Lecture
Institution of Mechanical Engineers, London 8 October 2018



Richard Lindzen Lecture at GWPF: ‘Global Warming for the Two Cultures’

[Anthony Watts](#) / [October 9, 2018](#)

by Dr. Richard Lindzen

Over half a century ago, C.P. Snow (a novelist and English physical chemist who also served in several important positions in the British Civil Service and briefly in the UK government) famously examined the implications of ‘two cultures’:

A good many times I have been present at gatherings of people who, by the standards of the traditional culture, are thought highly educated and who have with considerable gusto been expressing

their incredulity at the illiteracy of scientists. Once or twice I have been provoked and have asked the company how many of them could describe the Second Law of Thermodynamics. The response was cold: it was also negative. Yet I was asking something which is the scientific equivalent of: Have you read a work of Shakespeare's?

I now believe that if I had asked an even simpler question – such as, What do you mean by mass, or acceleration, which is the scientific equivalent of saying, Can you read? – not more than one in ten of the highly educated would have felt that I was speaking the same language. So the great edifice of modern physics goes up, and the majority of the cleverest people in the western world have about as much insight into it as their Neolithic ancestors would have had.

I fear that little has changed since Snow's assessment 60 years ago

The evidence

At this point, some of you might be wondering about all the so-called evidence for dangerous climate change. What about the disappearing Arctic ice, the rising sea level, the weather extremes, starving polar bears, the Syrian Civil War, and all the rest of it? The vast variety of the claims makes it impossible to point to any particular fault that applies to all of them. Of course, citing the existence of changes – even if these observations are correct (although surprisingly often they are not) – would not implicate greenhouse warming per se. Nor would it point to danger. Note that most of the so-called evidence refers to matters of which you have no personal experience. Some of the claims, such as those relating to weather extremes, contradict what both physical theory and empirical data show. The purpose of these claims is obviously to frighten and befuddle the public, and to make it seem like there is evidence where, in fact, there is none. If there is evidence of anything, it is of the correctness of C.P. Snow's observation. Some examples will show what I mean.

First, for something to be evidence, it must have been unambiguously predicted. (This is a necessary, but far from sufficient condition.) Figure 1 shows the IPCC model forecasts for the summer minimum in Arctic sea ice in the year 2100 relative to the period 1980–2000. As you can see, there is a model for any outcome.

It is a little like the formula for being an expert marksman: shoot first and declare whatever you hit to be the target.

Turning to the issue of temperature extremes, is there any data to even support concern? As to these extremes, the data shows no trend and the IPCC agrees. Even Gavin Schmidt, Jim Hansen's successor at NASA's New York shop, GISS, has remarked that 'general statements about extremes are almost nowhere to be found in the literature but seem to abound in the popular media'. He went on to say that it takes only a few seconds' thought to realise that the popular perceptions that 'global warming means all extremes have to increase all the time' is 'nonsense'.

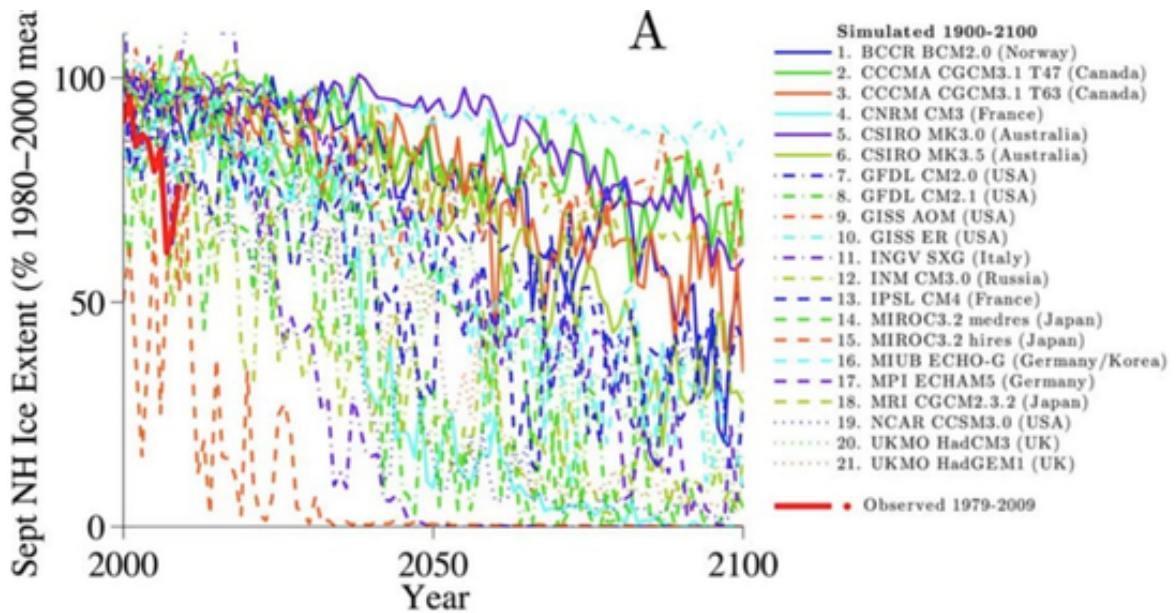


Figure 1: Climate model projections of rate of Arctic sea ice loss.

Source: Eisenman et al., *J. Clim.*, 2011.

Figure 1: Climate model projections of rate of Arctic sea ice loss.

*Source: Eisenman et al., *J. Clim.*, 2011.*

At the heart of this nonsense is the failure to distinguish weather from climate. Thus, global warming refers to the welcome increase in warming of about 1degree C since the end of the Little Ice Age about 200 years ago. On the other hand, weather extremes involve temperature change of the order of 20 C. Such changes have a profoundly different origin from global warming. Crudely speaking, they result from winds carrying warm and cold air from distant regions that are very warm or very cold. These winds are in the*

form of waves. The strength of these waves depends on the temperature difference between the tropics and the Arctic (with larger differences leading to stronger waves). Now, the models used to project global warming all predict that this temperature difference will decrease rather than increase. Thus, the increase in temperature extremes would best support the idea of global cooling rather than global warming. However, scientifically illiterate people seem incapable of distinguishing global warming of climate from temperature extremes due to weather. In fact, as has already been noted, there doesn't really seem to be any discernible trend in weather extremes. There is only the greater attention paid by the media to weather, and the exploitation of this 'news' coverage by people who realize that projections of catastrophe in the distant future are hardly compelling, and that they therefore need a way to convince the public that the danger is immediate, even if it isn't.

This has also been the case with sea-level rise. Sea level has been increasing by about 8 inches per century for hundreds of years, and we have clearly been able to deal with it. In order to promote fear, however, those models that predict much larger increases are invoked. As a practical matter, it has long been known that at most coastal locations, changes in sea level, as measured by tide gauges, are primarily due to changes in land level associated with both tectonics and land use.

Moreover, the small change in global mean temperature (actually the change in temperature increase) is much smaller than what the computer models used by the IPCC have predicted. Even if all this change were due to man, it would be most consistent with low sensitivity to added carbon dioxide, and the IPCC only claims that most (not all) of the warming over the past 60 years is due to man's activities. Thus, the issue of man-made climate change does not appear to be a serious problem. However, this hardly stops ignorant politicians from declaring that the IPCC's claim of attribution is tantamount to unambiguous proof of coming disaster.

Cherry picking is always an issue. Thus, there has been a recent claim that Greenland ice discharge has increased, and that warming will make it worse. ² Omitted from the report is the finding by both NOAA and the Danish Meteorological Institute that the ice mass from Greenland has actually been increasing. In fact both these

observations can be true and indeed, ice build-up pushes peripheral ice into the sea.

Misrepresentation, exaggeration, cherry picking, or outright lying pretty much covers all the so-called evidence.

Conclusion

So there you have it. An implausible conjecture backed by false evidence and repeated incessantly has become politically correct 'knowledge,' and is used to promote the overturn of industrial civilization. What we will be leaving our grandchildren is not a planet damaged by industrial progress, but a record of unfathomable silliness as well as a landscape degraded by rusting wind farms and decaying solar panel arrays. False claims about 97% agreement will not spare us, but the willingness of scientists to keep mum is likely to much reduce trust in and support for science. Perhaps this won't be such a bad thing after all – certainly as concerns 'official' science.

There is at least one positive aspect to the present situation. None of the proposed policies will have much impact on greenhouse gases. Thus we will continue to benefit from the one thing that can be clearly attributed to elevated carbon dioxide: namely, its effective role as a plant fertilizer, and reducer of the drought vulnerability of plants. in human welfare in history. As we used to say in my childhood home of the Bronx: 'Go gure'.

This published version of the lecture contains minor editorial changes to the text as delivered by Professor Lindzen.

Notes

- 1. 'This is the first time in the history of mankind that we are setting ourselves the task of intentionally, within a defined period of time, to change the economic development model that has been reigning for at least 150 years, since the Industrial Revolution.'*
- 2. KA Graeter et al. (2018) Ice core records of West Greenland melt and climate forcing. Geophysical Research Letters 45(7), 3164–3172.*
- 3. [News & Features | NOAA Climate.gov](#) 2017-weigh-suggests-small-increase-ice-mass.*

<https://www.thegwpc.org/content/...>

*Strong evidence of a counter consensus is documented by Dr. Alan Longhurst in his tour de force book *Doubt and Certainty in Climate Science*.*

I think the following insight by Alan Longhurst unravels the alarmist's failed predictions, as their models are too simple like a one trick pony in a big complex circus -

I became troubled by what seemed to be a preference to view the climate as a global stable state, unless perturbed by anthropogenic effects, rather than as a highly complex system having several dominant states, each having a characteristic return period imposed on gradual change at millennial scale.

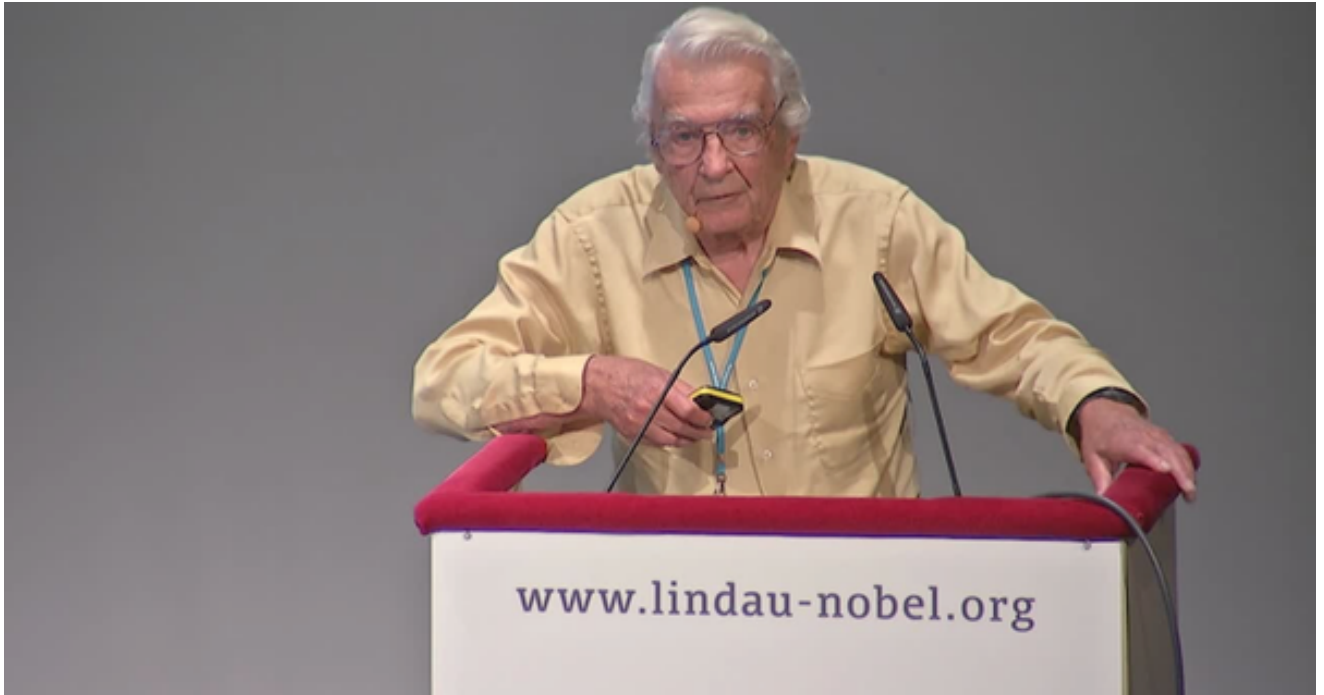
“Precisely the very unscientific folly and bias of the climate-change crowd.

Free pdf book is available here -

<https://www.academia.edu/3557184...>

Nobel Laureate Smashes the Global Warming Hoax - Dr. Ivar Giaever

https://www.youtube.com/watch?v=TCy_UOjEir0



- Published on 12 Jul 2015

- Nobel laureate Ivar Giaever's speech at the Nobel Laureates meeting 1st July 2015.

Ivar points out the mistakes which Obama makes in his speeches about global warming, and shares other not-well known facts about the state of the climate.

-

-

**Partial list of 150 + scientists who do NOT support the Catastrophic Anthropogenic Climate Change Scam:
(includes ~60 Nobel Prize winners)**

Sceptical list provided by David Harrington of leading scientists. They all have many excellent published papers on the AGW subject.

A.J. Tom van Loon, PhD
Aaron Klug, Nobel Prize (Chemistry)
Abdus Salam, Nobel Prize (Physics)
Adolph Butenandt, Nobel Prize (Chemistry)
Al Pekarek, PhD
Alan Moran, PhD
Albrecht Glatzle, PhD

Alex Robson, PhD
Alister McFarquhar, PhD
Amo A. Penzias, Nobel Prize (Physics)
Andrei Illarionov, PhD
Anthony Jewish, Nobel Prize (Physics)
Anthony R. Lupo, PhD
Antonino Zichichi, President of the World Federation of Scientists.
Arthur L. Schawlow, Nobel Prize (Physics)
Arthur Rorsch, PhD

Austin Robert, PhD
Asmunn Moene, PhD
Baruj Benacerraf, Nobel Prize (Medicine)
Bert Sakmann, Nobel Prize (Medicine)
Bjarne Andresen, PhD
Boris Winterhalter, PhD
Brian G Valentine, PhD
Brian Pratt, PhD
Bryan Leyland, International Climate Science Coalition
Cesar Milstein, Nobel Prize (Physiology)
Charles H. Townes, Nobel Prize (Physics)
Chris C. Borel, PhD
Chris Schoneveld, MSc (Structural Geology)
Christian de Duve, Nobel Prize (Medicine)
Christopher Essex, PhD
Cliff Ollier, PhD

Susan Crockford PhD
Daniel Nathans, Nobel Prize (Medicine)
David Deming, PhD (Geophysics)
David E. Wojick, PhD
David Evans, PhD (EE)
David Kear, PhD
David R. Legates, PhD
Dick Thoenes, PhD
Don Aitkin, PhD
Don J. Easterbrook, PhD
Donald A. Glaser, Nobel Prize (Physics)
Donald Parkes, PhD
Douglas Leahey, PhD
Dudley R. Herschbach, Nobel Prize (Chemistry)
Edwin G. Krebs, Nobel Prize (Medicine)
Erwin Neher, Nobel Prize (Medicine)
Frank Milne, PhD
Fred Goldberg, PhD
Fred Michel, PhD
Freeman J. Dyson, PhD
Garth W. Paltridge, PhD
Gary D. Sharp, PhD

Geoff L. Austin, PhD
George E. Palade, Nobel Prize (Medicine)
Gerald Debreu, Nobel Prize (Economy)
Gerhard Herzberg, Nobel Prize (Chemistry)
Gerrit J. van der Lingen, PhD
Hans Albrecht Bethe, Nobel Prize (Physics)
Hans H.J. Labohm, PhD
Harold E. Varmus, Nobel Prize (Medicine)
Harry M. Markowitz, Nobel Prize (Economics)
Harry N.A. Priem, PhD
Heinrich Rohrer, Nobel Prize (Physics)
Hendrik Tennekes, PhD
Henrik Svensmark, physicist
Herbert A. Hauptman, Nobel Prize (Chemistry)
Horst Malberg, PhD
Howard Hayden, PhD
I. Prigogine, Nobel Prize (Chemistry)
Ian D. Clark, PhD
Ian Plimer, PhD
Ivar Giaever, Nobel Prize (Physics)
James J. O'Brien, PhD
Jean Dausset, Nobel Prize (Medicine)
Jean-Marie Lehn, Nobel Prize (Chemistry)
Jennifer Marohasy, PhD
Jerome Karle, Nobel Prize (Chemistry)
Joel M. Kauffman, PhD
Johan Deisenhofer, Nobel Prize (Chemistry)
John Charles Polanyi, Nobel Prize (Chemistry)
John Maunder, PhD
John Nicol, PhD
Jon Jenkins, PhD
Joseph Murray, Nobel Prize (Medicine)
Julius Axelrod, Nobel Prize (Medicine)
Kai Siegbahn, Nobel Prize (Physics)
Khabibullo Abdusamatov, astrophysicist at Pulkovo Observatory of the Russian Academy of Sciences
Klaus Von Klitzing, Nobel Prize (Physics)

Gerhard Kramm: PhD (meteorology)
L. Graham Smith, PhD
Lee C. Gerhard, PhD
Len Walker, PhD
Leon Lederman, Nobel Prize (Physics)
Linus Pauling, Nobel Prize (Chemistry)
Lord Alexander Todd, Nobel Prize (Chemistry)
Lord George Porter, Nobel Prize (Chemistry)
Louis Neel, Nobel Prize (Physics)
Lubos Motl, PhD
Madhav Khandekar, PhD

Manfred Eigen, Nobel Prize (Chemistry)
Marcel Leroux, PhD
Marshall W. Nirenberg, Nobel Prize (Medicine)
Max Ferdinand Perutz, Nobel Prize (Chemistry)

Ned Nikolov PhD
Nils-Axel Morner, PhD
Olavi Kärner, Ph.D.
Owen Chamberlain, Nobel Prize (Physics)
Pierre Lelong, Professor
Pierre-Gilles de Gennes, Nobel Prize (Physics)
R. Timothy Patterson, PhD
R. W. Gauldie, PhD
R.G. Roper, PhD
Raphael Wust, PhD
Reid A. Bryson, Ph.D. Page on [Look, Feel, & Smell your best](#). D.Engr.
Richard Laurence Millington Synge, Nobel Prize (Chemistry)
Richard Mackey, PhD
Richard R. Ernst, Nobel Prize (Chemistry)
Richard S. Courtney, PhD
Richard S. Lindzen, PhD
Rita Levi-Montalcini, Nobel Prize (Medicine)
Roald Hoffman, Nobel Prize (Chemistry)
Robert H. Essenhigh, PhD
Robert Huber, Nobel Prize (Chemistry)
Robert M. Carter, PhD
Robert W. Wilson, Nobel Prize (Physics)
Roger Guillemin, Nobel Prize (Medicine)
Ross McKittrick, PhD
Roy W. Spencer, PhD
S. Fred Singer, PhD
Sallie Baliunas, astrophysicist Harvard
Salomon Kroonenberg, PhD
Sherwood B. Idso, PhD
Simon van der Meer, Nobel Prize (Physics)
Sir Andrew Fielding Huxley, Nobel Prize (Medicine)
Sir James W. Black, Nobel Prize (Medicine)
Sir John Kendrew, Nobel Prize (Chemistry)
Sir John R. Vane , Nobel Prize (Medicine)
Sir John Warcup Cornforth, Nobel Prize (Chemistry)
Sir. Nevil F. Mott, Nobel Prize Winner (Physics)
Sonja A. Boehmer-Christiansen, PhD
Stanley Cohen, Nobel Prize (Medicine)
Stephan Wilksch, PhD
Stewart Franks, PhD
Syun-Ichi Akasofu, PhD
Tadeus Reichstein, Nobel Prize (Medicine)
Thomas Huckle Weller, Nobel Prize (Medicine)
Thomas R. Cech, Nobel Prize (Chemistry)

Timothy F. Ball, PhD
Tom V. Segalstad, PhD
Torsten N. Wiesel, Nobel Prize (Medicine)
Vincent Gray, PhD
Walter Starck, PhD (marine science; specialization in coral reefs and fisheries)
Wibjorn Karlen, PhD
Willem de Lange, PhD
William Evans, PhD
William Happer, physicist Princeton
William J.R. Alexander, PhD
William Kininmonth Page on <http://m.sc.>, Head of Australia's National Climate Centre and a consultant to the World Meteorological organization's Commission for Climatology
William Lindqvist, PhD
William N. Lipscomb, Nobel Prize Winner (Chemistry)
Willie Soon, astrophysicist Harvard
Yuan T. Lee, Nobel Prize (Chemistry)
Zbigniew Jaworowski, PhD

Karl Zeller
Zichichi, PhD

<http://www.shtfplan.com/headline...>TEST

says:

[Comment ID: 3716166](#)

<https://en.wikipedia.org/wiki/Li...>

[July 16, 2017 at 9:20 am](#)

Dr. S. Fred Singer



Dr. S. Fred Singer, an atmospheric and space physicist, is one of the world's most respected and widely published experts on climate. He is professor emeritus of environmental science at the University of Virginia. He directs the nonprofit Science and Environmental Policy Project ([SEPP](#)), which he founded in 1990 and incorporated in 1992 after retiring from the University of Virginia.

Dr. Singer served as professor of environmental sciences at the University of Virginia, Charlottesville, VA (1971-94); distinguished research professor at the Institute for Space Science and Technology, Gainesville, FL, where he was principal investigator for the Cosmic Dust/Orbital Debris Project (1989-94); chief scientist, U.S. Department of Transportation (1987- 89); vice chairman of the National Advisory Committee for Oceans and Atmosphere (NACOA) (1981-86); deputy assistant administrator for policy, U.S. Environmental Protection Agency (1970-71); deputy assistant secretary for water quality and research, U.S. Department of the Interior (1967- 70); founding dean of the School of Environmental and Planetary Sciences, University of Miami (1964-67); first director of the National Weather Satellite Service (1962-64); and director of the Center for Atmospheric and Space Physics, University of Maryland (1953-62).

Dr. Singer did his undergraduate work in electrical engineering at Ohio State University and holds a Ph.D. in physics from Princeton University.

Dr. Singer has published more than 200 technical papers in peer-reviewed scientific journals, including EOS: Transactions of the AGU, Journal of Meteorology and Atmospheric Physics, Science, Nature, Bulletin of the American Meteorological Society, Geophysical Research Letters, and International Journal of Climatology. His editorial essays and articles have appeared in Cosmos, The Wall Street Journal, The New York Times, The New Republic, Newsweek,

Journal of Commerce, The Washington Times, The Washington Post, and many other publications. His accomplishments have been featured in front-cover stories appearing in Time, Life, and U.S. News & World Report.

Dr. Singer is author, coauthor, or editor of more than a dozen books and monographs, including *Free Market Energy* (Universe Books, 1984), *Global Climate Change* (Paragon House, 1989), *The Greenhouse Debate Continued: An Analysis and Critique of the IPCC Climate Assessment* (ICS Press, 1992), *Hot Talk Cold Science – Global Warming’s Unfinished Debate* (Independent Institute, 1997, 1999), *Climate Policy – From Rio to Kyoto* (Hoover Institution, 2000), *Unstoppable Global Warming – Every 1,500 Years* (Rowman & Littlefield, 2007, revised ed. 2008), and three volumes in the NIPCC series: [Nature, Not Human Activity, Rules the Climate](#) (Heartland Institute, 2008), [Climate Change Reconsidered: The 2009 Report of the Nongovernmental International Panel on Climate Change](#) (Heartland Institute, 2009), and [Climate Change Reconsidered: 2011 Interim Report](#) (Heartland Institute, 2011).

Dr. Singer is an elected Fellow of the American Association for the Advancement of Science (AAAS), American Geophysical Union, American Physical Society, and American Institute for Aeronautics and Astronautics. He was elected to the AAAS Council and served on the Committee on Council Affairs, and as Section Secretary. In 1997, NASA presented Dr. Singer with a commendation and cash award “for important contributions to space research.”

Dr. Singer has given hundreds of lectures and seminars on global warming, including to the science faculties at Stanford University, University of California-Berkeley, California Institute of Technology, State University of New York-Stony Brook, University of South Florida-St. Petersburg, University of Connecticut, University of Colorado, Imperial College-London, Copenhagen University, University of Rome, and Tel Aviv University. He has also given invited seminars at Brookhaven National Laboratory, the Max Planck Institute for Extra-Terrestrial Physics in Munich, the Max Planck Institute for Meteorology in Hamburg, and the National Center for Atmospheric Research in Boulder, Colorado, and (2010) in New Delhi and Singapore.

Dr. Singer has been a pioneer in many ways. At the Applied Physics Laboratory of Johns Hopkins University, he participated in the first experiments using high-altitude research rockets, measuring the energy spectrum of primary cosmic rays and the distribution of stratospheric ozone; he is generally credited with the discovery of the equatorial electrojet current flowing in the ionosphere. In academic science during the 1950s, he published the first studies on subatomic particles trapped in the Earth's magnetic field – radiation belts, later discovered by James Van Allen.

Dr. Singer was the first to make the correct calculations for using atomic clocks in orbit, contributing to the verification of Einstein's General Theory of Relativity, and now essential in the GPS system of satellite navigation. He also designed satellites and instrumentation for remote sensing of the atmosphere and received a White House Presidential Commendation for this work.

In 1971, Dr. Singer calculated the anthropogenic contribution to atmospheric methane, an important greenhouse gas. He also predicted that methane, once reaching the stratosphere, would transform into water vapor, which could then deplete stratospheric ozone. A few years later, methane levels were indeed found to be rising, and the increase in stratospheric water vapor was confirmed in 1995.

Dr. S. Fred Singer, president of The Science & Environmental Policy Project (SEPP) and author of [Hot Talk, Cold Science: Global Warming's Unfinished Debate](#),

"Carbon dioxide is not a pollutant. On the contrary, it makes crops and forests grow faster. Economic analysis has demonstrated that more CO₂ and a warmer climate will raise GNP and therefore average income. It's axiomatic that bureaucracies always want to expand their scope of operations. This is especially true of EPA, which is primarily a regulatory agency. As air and water pollution disappear as prime issues, as acid rain and stratospheric-ozone depletion fade from public view, climate change seems like the best growth area for regulators. It has the additional glamour of being international and therefore appeals to those who favor world governance over

national sovereignty. Therefore, labeling carbon dioxide, the product of fossil-fuel burning, as a pollutant has a high priority for EPA as a first step in that direction."

-

S. Fred Singer, Ph.D. Professor Emeritus of Environmental Sciences,
University of Virginia

<https://www.nas.org/articles/Est...>

PRINCETON, NJ (January 3, 2011)—S. Fred Singer said in an [interview with the National Association of Scholars](#) (NAS) that “the number of skeptical qualified scientists has been growing steadily; I would guess it is about 40% now.”

Singer, a leading scientific skeptic of anthropocentric global warming (AGW), is an atmospheric physicist, and founder of the Science and Environmental Policy Project (SEPP), an organization that began challenging the published findings of the UN’s Intergovernmental Panel on Climate Change (IPCC) in the 1990s. SEPP established the Leipzig Declaration, a statement of dissent from the 1997 Kyoto Protocol that has been signed by over one hundred scientists and meteorologists.

Asked what he would like to see happen in regard to public opinion and policy on climate change, Singer replied,

I would like to see the public look upon global warming as just another scientific controversy and oppose any public policies until the major issues are settled, such as the cause. If mostly natural, as NIPCC concludes, then the public policies currently discussed are pointless, hugely expensive, and wasteful of resources that could better be applied to real societal problems.

NIPCC is the Nongovernmental International Panel on Climate Change, another group established by Singer. In 2009 NIPCC published *Climate Change Reconsidered*, an 880-page report on scientific research that contradicts the models of man-made global warming. Singer believes that global warming exists but that human contributions to it are minimal. In the interview Singer said he

believed his efforts in the last twenty years had been successful in disproving the notion that “the science is settled.”

Joshua | November 02, 2012 - 8:28 PM

Climate change is obviously occurring, but what is not so obvious are the factors involved and their respective impact. We don't know if man plays a major or insignificant role in the equation and we don't even know if the effects we are currently witnessing are unique or cyclical.

The fact that we hear so much about the melting of the Arctic ice caps and hear virtually nothing about the growth of the Antarctic ice caps is telling- global warmers aren't interested in data that doesn't support their politicized campaign against pollution. Their cause is noble and I support the notion that we should take care of the resources given to us, but using spotty science to promote that cause is unwise. The ends do not justify the means.

Add to the fact that the “solutions” to a problem (which may be man made or man made-up) is cap and trade and carbon credits only further fuels the skepticism- particularly when the very ones who are pushing the global warming agenda are those who are in a position to profit from it (ie Al Gore). Furthermore, the green companies that have been given tremendous government subsidies have a track record of going bankrupt- so again, our “solutions” to a questionable problem do not seem to produce the desired results. They have nearly all been a colossal waste of (often taxpayer) money.

Maybe we should rethink our green strategies and stop using questionable science as a blunt instrument of change.

JAMES MATKIN | February 13, 2015 - 1:07 PM

Some scientists submit solar data contradicts the view there is any significant man made warming. Proponents of global warming are pushed in the corner with this data and refuse to countenance any room for doubt and rather resort to name calling with cult like religious overtones ie “deniers.” Fortunately, Canadian government sees the uncertainty in this debate and steps back from taking negative economic action. How is global warming responsible for record freezing winters with mountains of snow and two decades

without any increase in warming? Indeed the data is contradictory enough to put in play the question are we entering the next ice age. It is entirely possible that the sun, and variations in the earth's axis not man are wrecking havoc with our climate. Dr. Abdussamatov points out that over the last 1,000 years deep cold periods have occurred five times. Each is correlated with declines in solar irradiance much like we are experiencing now with no human influence. "A global freeze will come about regardless of whether or not industrialized countries put a cap on their greenhouse gas emissions. The common view of Man's industrial activity is a deciding factor in global warming has emerged from a misinterpretation of cause and effect." Another recent article by climatologist and former NASA Consultant, Joh L. Casey predicts "ICE AGE NOW" with 30 years of record cold temperatures around the globe.

I submit the first and last word on climate change should come from the sage advice of the famous nobel prize winning physicist, Richard P. Feynman.

"The scientist has a lot of experience with ignorance and doubt and uncertainty, and this experience is of very great importance, I think. When a scientist doesn't know the answer to a problem, he is ignorant. When he has a hunch as to what the result is, he is uncertain. And when he is pretty darned sure of what the result is going to be, he is in some doubt. We have found it of paramount importance that in order to progress we must recognize the ignorance and leave room for doubt. Scientific knowledge is a body of statements of varying degrees of certainty—some most unsure, some nearly sure, none absolutely certain." Nobel Prize Scientist Richard P. Feynman.

We must leave room for the "doubt" about mans role in global warming and question if it is real, especially as we struggle with the coldest winters around the world over the past decades.

Roald Larsen | October 01, 2015 - 5:15 PM

100% of real scientist knows there's no man made global warming, cause, if you can't empirical show the effects, real scientists know you have to go back to 0-hypothese. If you don't, you're not a scientist. That means; No Man Made Global Warming!

Les K | November 01, 2015 - 1:17 AM

Cooke's 98% consensus amounted to 76 out of 77 self-described "climate scientists" agreeing.

Chris | November 20, 2015 - 4:49 PM

Dion, that 98% lie was proved fraudulent many years ago. Stop making up stats.

JAMES MATKIN | November 20, 2015 - 7:15 PM

There is no doubt S. Fred Singer's estimate of sceptical scientists about the anthropogenic global warming theory are growing as the evidence of contradicts the theory. The Pacific Islands are increasing by 8% not abrading; the Antarctic ice is Incredibly gaining 100 billion more ice pack annually, there has been no hurricane in North America for > 10 years. The seas rise is only 5 inches over the past 100 years not 6" as thought. Most important the 97% "consensus" study Cook et al (2013) has been thoroughly refuted in scholarly peer-reviewed journals.

Investigative journalists at Popular Technology looked into precisely which papers were classified within Cook's asserted 97 percent. The investigative journalists found Cook and his colleagues strikingly classified papers by such prominent, vigorous skeptics as Willie Soon, Craig Idso, Nicola Scafetta, Nir Shaviv, Nils-Axel Morner and Alan Carlin as supporting the 97-percent consensus. For example Scafetta explained. "What my papers say is that the IPCC [United Nations Intergovernmental Panel on Climate Change] view is erroneous because about 40-70% of the global warming observed from 1900 to 2000 was induced by the sun."

Atmospheric scientists

Dr. Gerhard Kramm

,

Dr. Ralph Dlugi

, and

Dr. Nicole Mšlders

have just published a paper in the journal

Natural Science

that exposes the physical and observational shortcomings of the widely-accepted $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect equation.

They conclude that this "though experiment" is "based on physically irrelevant assumptions and its results considerably disagree with observations."

based on physically irrelevant assumptions and its results considerably disagree with observations.

ABSTRACT

In this paper, we scrutinize two completely different explanations of the so-called atmospheric greenhouse effect: First, the explanation of the American Meteorological Society (AMS) and the World Meteorological Organization (WMO) quantifying this effect by two characteristic temperatures, secondly, the explanation of Ramanathan et al. [1] that is mainly based on an energy-flux budget for the Earth-atmosphere system. Both explanations are related to the global scale. In addition, we debate the meaning of climate, climate change, climate variability and climate variation to outline in which way the atmospheric greenhouse effect might be responsible for climate change and climate variability, respectively. In doing so, we distinguish between two different branches of climatology, namely 1) physical climatology in which the boundary conditions of the Earth-atmosphere system play the dominant role and 2) statistical climatology that is dealing with the statistical description of fortuitous weather events which had been happening in climate periods; each of them usually comprises 30 years. Based on our findings, we argue that 1) the so-called atmospheric greenhouse effect cannot be proved by the statistical description of fortuitous weather events that took place in a climate period, 2) the description by AMS and WMO has to be discarded because of physical reasons, 3) energy-flux budgets for the Earth-atmosphere system do not provide tangible evidence that the atmospheric greenhouse effect does exist. Because of this lack of tangible evidence it is time to acknowledge that the atmospheric greenhouse effect and especially its climatic impact are based on meritless conjectures.

<http://www.scirp.org/journal/Pap...>

“Unfortunately, climate science has become political science...: “It is tragic that some perhaps well-meaning but politically motivated scientists who should know better have whipped up a global frenzy about a phenomenon which is statistically questionable at best.”” Award-winning Princeton physicist Dr. Robert Austin, member of the U.S. National Academy of Sciences, speaking to Senate minority staff March 2, 2009.

Dr. Willam Gray, Colorado State Univ. noted AGW is “the greatest scientific hoax of all time.”

“Global warming is indeed a scam, perpetrated by scientists with vested interests, but in need of crash courses in geology, logic and the philosophy of science.” **Prof. Martin Keeley**, University College of London, cited from Newsmax Magazine March, 2010, p. 52

Dr. Patrick Moore, an ecologist and the co-founder of Greenpeace, also has said “We are dealing with pure political propaganda that has nothing to do with science,” while **Dr. Will Happer** physicist at Princeton Univ, who has stated “Policies to slow CO₂ emissions are really based on nonsense,” at a Texas Public Policy Foundation meeting. Happer, Dr. Richard Lindzen of MIT and others at this meeting said claims of the hottest year on record are “nonsense” because there’s so much uncertainty surrounding surface temperature readings — especially since scientists often make lots of adjustments to weather station readings

In 2014, famed astronaut **Walt Cunningham** went to that year’s global warming UN climate Summit and called the whole AGW gambit “one of the biggest frauds in the field of science.”

Dr. Lennart Bengtsson, a leading Swedish meteorologist, withdrew from membership in the Global Warming Policy Foundation, citing unbearable group pressure to conform to the AGW hypothesis, which threatened his ability to work and even his safety. Similarly, climate statistics professor **Dr. Cliff Rossiter** wrote in the WSJ that global warming was “unproved science,” he was terminated from his 23 year fellowship at the liberal Inst. for Policy Studies (see article by Climate Depot, <http://tinyurl.com/p6otgd9>).

NASA and NOAA, which get a half billion dollars a year from the government, “have been systematically fiddling the worldwide temperature for years, making ‘global warming; look worse than it is.: **Joe D’Aleo**, American Meteorology Society fellow, <http://scienceandpublicpolicy.or...>

Dr. Anastasios Tsonis of the University of Wisconsin-Milwaukee said the global temperature “has flattened and is actually going down. We are seeing a new shift toward cooler temperatures that will last for probably about three decades.”

“The difference between a scientist and propagandist is clear. If a scientist has a theory, he searches diligently for data that might contradict it so that he can test it further or refine it. The propagandist carefully selects only the data that agrees with his theory and dutifully ignores any that contradicts it. The global warming alarmists don’t even bother with data! All they have are half-baked computer models that are totally out of touch with reality and have already been proven to be false.” **Martin Hertzberg**, a retired Navy meteorologist with a PhD in physical chemistry

“If temperatures continue to stay flat or start to cool again, the divergence between the models and recorded data will eventually become so great that the whole scientific community will question the current theories.” **Dr. Nicola Scafetta**, Duke University Heartland Inst. confirms this by noting “The IPCC’s climate science assessment is dominated by a small clique of alarmists who frequently work closely with each other outside the IPCC process.”

“ Like many others, I was personally sure that CO₂ is the bad culprit in the story of global warming. But after carefully digging into the evidence, I realized things are far more complicated than the story told to us by many climate scientists or the stories regurgitated by the media.” **Dr. Nir Shariv** who also notes that “solar activity can explain a large part of the 20th century global warming” and greenhouse gases are largely irrelevant to the climate, stating if the amount of CO₂ doubled by 2100, it “will not dramatically increase the global temperature....” And “Even if we have the CO₂ output, and the CO₂ increases by 2100 would be, say, a 50% increase relative to today instead of a doubled amount, the expected reduction in the rise of global temperature would be less than 0.5C. This is not significant”

Dr. Nir, Shariv, top astrophysicist and assoc. professor at Hebrew Univ.

“**Dr. Harold Lewis**, on resigning from the American Physical Society stated about ClimateGate (exposing the outright fraud behind AGW), said he “found fraud on a scale I have never seen” and stated the money flood has become the raison d’etre of much of physics research. He concluded “The global warming scam with the (literally) millions of dollars driving it... has carried the APS before it like a rogue wave.” <http://tinyurl.com293enhl>”

“There is this mismatch between what the climate models are producing and what the observations are showing,’ **John Fyfe**, Canadian climate modeler and lead author of the new paper, told Nature. ‘We can’t ignore it.’ And echoing this in a related blog post, “Reality has deviated from our expectations – it is perfectly normal to try and understand this difference,’ **Ed Hawkins**, co-author of the study and United Kingdom climate scientist”

“I do not accept the premise of anthropogenic climate change, I do not accept that we are causing significant global warming and I reject the findings of the IPCC and its local scientific affiliates....I would happily debate the science with any member opposite but I know they are too gutless to take me on.”

– **Dr. Dennis Jensen**, only science Ph.D. in Australian parliament (Note: **William Kininmonth**, former head of climate research at the Australian Bureau of Meteorology also disagrees with the global warmers)

“Today’s debate about global warming is essentially a debate about freedom. The environmentalists would like to mastermind each and every possible (and impossible) aspect of our lives.”

– Former Czech president **Vaclav Klaus**, in Blue Planet in Green Shackles

“I want to ...talk about ... the rise of what has been called consensus science. I regard consensus science as an extremely pernicious development that ought to be stopped cold in its tracks. Historically, the claim of consensus has been the first refuge of scoundrels; it is a way to avoid debate by claiming that the matter is already settled. ... “Let’s be clear: the work of science has nothing whatever to do with

consensus. Consensus is the business of politics. Science, on the contrary, requires only one investigator who happens to be right, which means that he or she has results that are verifiable by reference to the real world. In science consensus is irrelevant. What is relevant is reproducible results...“There is no such thing as consensus science. If it’s consensus, it isn’t science. If it’s science, it isn’t consensus.” ... Consensus is invoked only in situations where the science is not solid enough. Nobody says the consensus of scientists agrees that $E = mc^2$. Nobody says the consensus is that the sun is 93 million miles away. It would never occur to anyone to speak that way.”

– **Dr. Michael Crichton** in a speech at the California Institute of Technology, cited from <http://fuelfix.com/blog/2014/10/...>

– Atmospheric scientist **Dr. Chris Walcek** is a professor at the University at Albany in NY and a Senior Research Associate at the Atmospheric Sciences Research Center who studies the relationship of pollutants within the atmosphere. Walcek is also a skeptic of man-made global warming fears. “10,000 years ago we were sitting under 2,000 feet of ice right here. It looked like Antarctica right here. And then over a one to two thousand year period, we went into today’s climate and the cause of that change is not, well, nobody has a definitive theory about why that happened,” Walcek said according to an article. In a separate interview, Walcek expanded on his climate skepticism and accused former Vice President Al Gore of having “exaggerated” part of his film. “A lot of the imagery like hurricanes and tornados. And as far as tornados go, there is no evidence at all that tornados are affected. And a recent committee of scientists concluded that there isn’t a strong correlation between climate change and hurricane intensity. A lot of people are saying we’re going to see more Katrina’s and there’s just not much evidence of that. We have had strong hurricanes throughout the last hundred years and we’re probably going to have strong hurricanes once in a while,” Walcek said. “We are over-due for an ice-age if you look at the geological records, we have had a period of not having a thousand feet of ice sitting here in Albany” New York, he added.

Atmospheric scientist and hurricane expert **Dr. Christopher W. Landsea** NOAA’s National Hurricane Center who served as a UN IPCC as both an author and a reviewer and has published numerous peer-reviewed research noted that recent hurricane activity is not linked to man-made factors. According to an article in Myrtle Beach

Online, Landsea explained that “the 1926-1935 period was worse for hurricanes than the past 10 years and 1900-1905 was almost as bad.” Landsea asserted that it is therefore not true that there is a current trend of more and stronger hurricanes. “It’s not a trend, it’s a cycle: 20-45 years quiet, 20-45 years busy,” Landsea said. He did say that a warming world would only make hurricanes “5 percent stronger 100 years from now. We can’t measure it if it’s that small.” The article said Landsea blamed Gore’s *An Inconvenient Truth*, for “persuad[ing] some people that global warming is contributing to hurricane frequency and strength.” Landsea, who was both an author and a reviewer for the IPCC’s 2nd Assessment Report in 1995 and the 3rd Assessment Report in 2001, resigned from the 4th Assessment Report after becoming charging the UN with playing politics with Hurricane science. “I am withdrawing because I have come to view the part of the IPCC to which my expertise is relevant as having become politicized. In addition, when I have raised my concerns to the IPCC leadership, their response was simply to dismiss my concerns,” Landsea wrote in a public letter. “My view is that when people identify themselves as being associated with the IPCC and then make pronouncements far outside current scientific understandings that this will harm the credibility of climate change science and will in the longer term diminish our role in public policy,” he continued. “I personally cannot in good faith continue to contribute to a process that I view as both being motivated by pre-conceived agendas and being scientifically unsound,” Landsea added.

Meteorologist **Justin Berk** asserted that the “majority of TV meteorologists” are skeptical of dire man-made global warming claims. Berk said in an article in *The Jewish Times*, “I truly believe that global warming is more political than anything else. It’s a hot topic. It grabs people’s interest. As a meteorologist, I have studied this a lot and I believe in cutting down pollution and in energy efficiency. But I have a hard time accepting stories how we as individuals can stop climate change. It has happened on and off throughout history. We produce pollution but that is a small piece of the entire puzzle.” Berk continued: “There are cycles of hurricanes and we had a 30-year cycle from the 1930s to the 1950s. Then from the mid-1960s to the 1990s there was low hurricane activity. We knew there would be another round of higher activity in hurricanes and now it’s happening. [But people have] latched onto this topic and it’s

been distorted and exploited. I know that a lot of scientists, including the majority of TV meteorologists, agree with me. In the mid-1970s, climate experts said we were heading for an ice age. Thirty years later, they're saying global warming. If you look at the big picture, we've had warming and cooling throughout history. It's a natural cycle. We haven't created it and it's not something we can stop."

CNN Meteorologist **Rob Marciano** compared Gore's film to "fiction" in an on air broadcast. When a British judge ordered schools that show Gore's *An Inconvenient Truth* to include a disclaimer noting multiple errors in the film, Marciano applauded the judge saying, "Finally, finally." Marciano then added, "The Oscars, they give out awards for fictional films as well." Marciano specifically critiqued Gore for claiming hurricanes and global warming were linked.

Climate statistician **Dr. William M. Briggs**, who specializes in the statistics of forecast evaluation, serves on the American Meteorological Society's Probability and Statistics Committee and is an Associate Editor of *Monthly Weather Review*:

Briggs, a visiting Mathematics professor at Central Michigan University and a Biostatistician at New York Methodist Hospital, has a new paper coming out in the peer-reviewed *Journal of Climate* which finds that hurricanes have not increased in number or intensity in the North Atlantic. Briggs, who has authored numerous articles in meteorological and climatological journals, has also authored another study looking at tropical cyclones around the globe, and finds that they have not increased in number or intensity either. Briggs expressed skepticism about man-made global warming fears in 2007. "There is a lot of uncertainty among scientists about what's going on with the climate," Briggs wrote to EPW. "Most scientists just don't want the publicity one way or another. Generally, publicity is not good for one's academic career. Only, after reading [UN IPCC chairman] Pachauri's asinine comment [comparing scientists skeptical of man-made climate fears to] Flat Earthers, it's hard to remain quiet," Briggs explained. "It is well known that weather forecasts, out to, say, four to five days, have skill; that is, they can beat just guessing the average. Forecasts with lead times greater than this have decreasing to no skill," Briggs wrote. "The skill of climate forecasts—global climate models—upon which the vast majority of global warming science is based are not well investigated, but what is known is that these models do not do a good job at reproducing past,

known climates, nor at predicting future climates. The error associated with climate predictions is also much larger than that usually ascribed to them; meaning, of course, that people are far too sure of themselves and their models,” he added. Briggs also further explained the inadequacies of climate models. “Here is a simplified version of what happens. A modeler starts with the hypothesis that CO₂ traps heat, describes an equation for this, finds a numerical approximate solution for this equation, codes the approximation, and then runs the model twice, once at ‘pre-industrial’ levels of CO₂, and once at twice that level, and, lo!, the modeler discovers that the later simulation gives a warmer atmosphere! He then publishes a paper which states something to the effect of, ‘Our new model shows that increasing CO₂ warms the air,’” Briggs explained. “Well, it couldn’t do anything *but* show that, since that is what it was programmed to show. But, somehow, the fact the model shows just what it was programmed to show is used as evidence that the assumptions underlying the model were correct. Needless to say—but I will say it—this is backwards,” he added.

Meteorologist and hurricane expert **Boylan Point**, past chairman of the American Meteorological Society’s broadcast board, a retired U.S. Navy Flight meteorologist with Hurricane Hunters and currently a forecaster with WSBB in Florida, dissented from the view that man-made CO₂ is driving a climate disaster. “A lot of folks have opinions in which they have nothing to back them up with. Mr. [Al] Gore I think may well fit into that category,” Point said in an interview on [WeatherBrains](#). “To lay the whole thing [global warming] at one doorstep [CO₂] may be a bit of a mistake,” Point explained. Point is a pioneer in the study of hurricanes, having logged thousands of hours flying through the storms taking critical measurements during his U.S. Navy career.

<http://www.shtfplan.com/headline...>

Here is a partial list of science and other economic organizations who are on record with their doubts.

“Skeptical Scientific Organizations:

American Association of Petroleum Geologists (31,000+ Members)

“The Climate Scientists’ Register

“We, the undersigned, having assessed the relevant scientific evidence, do not find convincing support for the hypothesis that human emissions of carbon dioxide are causing, or will in the foreseeable future cause, dangerous global warming.”

Click on country name in the following list to see endorsers from that nation: [Algérie](#) (1 endorser), [Australia](#) (8), [Bulgaria](#) (1), [Canada](#) (17), [Denmark](#) (1), [Estonia](#) (1), [Finland](#)(1), [France](#) (1), [Germany](#) (4), Greece (1), [India](#) (3), [Italy](#)(3), [Luxembourg](#) (1), [Mexico](#) (1), [New Zealand](#) (6), [Norway](#) (5), [Poland](#)(3), [Russia](#) (5), [South Africa](#) (1), [Sweden](#)(8), [United Kingdom](#) (6), [United States of America](#) (64).

Complete Endorser List:

Habibullo I. Abdussamatov, Dr. Sci., mathematician and astrophysicist, Head of the Russian-Ukrainian Astrometria project on the board of the Russian segment of the ISS, Head of Space Research Laboratory at the Pulkovo Observatory of the Russian Academy of Sciences, St. Petersburg, Russia

[Syun-Ichi Akasofu](#), PhD, Professor of Physics, Emeritus and Founding Director, International Arctic Research Center of the University of Alaska, Fairbanks, Alaska, U.S.A.

[J.R. Alexander](#), Professor Emeritus, Dept. of Civil Engineering, University of Pretoria, South Africa; Member, UN Scientific and Technical Committee on Natural Disasters, 1994-2000, Pretoria, South Africa

Bjarne Andresen, Dr. Scient., physicist, published and presents on the impossibility of a "global temperature", Professor, Niels Bohr Institute (areas of specialization: fundamental physics and chemistry, in particular thermodynamics), University of Copenhagen, Copenhagen, Denmark

Timothy F. Ball, PhD, environmental consultant and former climatology professor, University of Winnipeg, Winnipeg, Manitoba, Canada

Romuald Bartnik, PhD (Organic Chemistry), Professor Emeritus, Former chairman of the Department of Organic and Applied Chemistry, climate work in cooperation with Department of Hydrology and Geological Museum, University of Lodz, Lodz, Poland

Colin Barton, <http://B.Sc.>, PhD (Earth Science), Principal research scientist (retd), Commonwealth Scientific and Industrial Research Organisation (CSIRO), Melbourne, Victoria, Australia

Franco Battaglia, PhD (Chemical Physics), Professor of Environmental Chemistry (climate specialties: environmental chemistry), University of Modena, Italy

[David Bellamy](#), OBE, PhD, English botanist, author, broadcaster, environmental campaigner, Hon. Professor of Botany (Geography), University of Nottingham, Hon. Prof. Faculty of Engineering and Physical Systems, Central Queensland University, Hon. Prof. of Adult and Continuing Education, University of Durham, United Nations Environment Program Global 500 Award Winner, Dutch Order of The Golden Ark, Bishop Auckland County, Durham, United Kingdom

Richard Becherer, BS (Physics, Boston College), MS (Physics, University of Illinois), PhD (Optics, University of Rochester), former Member of the Technical Staff - MIT Lincoln Laboratory, former Adjunct Professor - University of Connecticut, Areas of Specialization: optical radiation physics, coauthor - standard reference book Optical Radiation Measurements: Radiometry, Millis, MA, U.S.A.

Ernst-Georg Beck, Dipl. Biology (University of Freiburg), biologist (area of specialization: CO₂ record in the last 150 years – [see](#) paper “Accurate estimation of CO₂ background level from near ground measurements at non-mixed environments”), see <http://www.biomind.de/realCO2/> for more from Mr. Beck, Biesheim, France

Edwin Berry, PhD (Atmospheric Physics, Nevada), MA (Physics, Dartmouth), BS (Engineering, Caltech), President, Climate Physics LLC, Bigfork, MT, U.S.A.

Sonja A. Boehmer-Christiansen, PhD, Reader Emeritus, Dept. of Geography, Hull University, Editor - Energy&Environment, Multi-Science (www.multi-science.co.uk), Hull, United Kingdom

M. I. Bhat, PhD, formerly Scientist at the Wadia institute of Himalayan Geology, Dehra, currently Professor & Head, Department of Geology & Geophysics, University of Kashmir (areas of specialization: Geochemistry, Himalayan and global tectonics & tectonics and climate (Prof Bhat: “Arguing for deepening the climate frontiers by considering interaction between solar flares and core-mantle boundary processes. Clue possibly lies in exploring the tectonics of regions that underlies high and low pressure cells of the three global oscillations (SO, NAO, NPO)”)), Srinagar, Jammu & Kashmir, India

Ahmed Boucenna, PhD, Professor of Physics, Physics Department, Faculty of Science, Ferhat Abbas University, Setif, Algéria. Author of The Great Season Climatic Oscillation, I. RE. PHY. 1(2007) 53, The Great Season Climatic Oscillation and the Global Warming, Global Conference On Global Warming, July 6-10, 2008, Istanbul, Turkey and Pseudo Radiation Energy Amplifier (PREA) and the Mean Earth's Ground Temperature, arXiv:0811.0357 (November 2008)

Antonio Brambati, PhD, Emeritus Professor (sedimentology), Department of Geological, Environmental and Marine Sciences (DiSGAM), University of Trieste (specialization: climate change as determined by Antarctic marine sediments), Trieste, Italy

Stephen C. Brown, PhD (Environmental Science, State University of New York), District Agriculture Agent, Assistant Professor, University of Alaska Fairbanks, Ground Penetrating Radar Glacier research, Palmer, Alaska, U.S.A.

Mark Lawrence Campbell, PhD (chemical physics; gas-phase kinetic research involving greenhouse gases (nitrous oxide, carbon dioxide)), Professor, United States Naval Academy, Annapolis, Maryland, U.S.A.

[Robert M. Carter](#), PhD, Professor, Marine Geophysical Laboratory, James Cook University, Townsville, Australia

Arthur Chadwick, PhD (Molecular Biology), Research Professor, Department of Biology and Geology, Southwestern Adventist

University, Climate Specialties: dendrochronology (determination of past climate states by tree ring analysis), palynology (same but using pollen as a climate proxy), paleobotany and botany; Keene, Texas, U.S.A.

George V. Chilingar, PhD, Professor, Department of Civil and Environmental Engineering of Engineering, University of Southern California, Los Angeles, California, U.S.A.

Antonis Christofides, Dipl. Civil Engineering, MSc Computing Science, Climate Specialties: co-author of relevant papers: [here](#) and [here](#), author of <http://hk-climate.org/>, Athens, Greece

Petr Chylek, PhD, Laboratory Fellow, Remote Sensing Team Leader, Los Alamos National Laboratory, Los Alamos, New Mexico, U.S.A.

Ian D. Clark, PhD, Professor (isotope hydrogeology and paleoclimatology), Dept. of Earth Sciences, University of Ottawa, Ottawa, Ontario, Canada

Paul Copper, BSc, MSc, PhD, DIC, FRSC, Professor Emeritus, Department of Earth Sciences, Laurentian University Sudbury, Ontario, Canada

Cornelia Codreanova, Diploma in Geography, Researcher (Areas of Specialization: formation of glacial lakes) at Liberec University, Czech Republic, Zwenkau, Germany

Michael Coffman, PhD (Ecosystems Analysis and Climate Influences), CEO of Sovereignty International, President of Environmental Perspectives, Inc., Bangor, Maine, U.S.A.

Piers Corbyn, MSc (Physics (Imperial College London)), ARCS, FRAS, FRMetS, astrophysicist (Queen Mary College, London), consultant, founder WeatherAction long range forecasters, London, United Kingdom

Richard S. Courtney, PhD, energy and environmental consultant, IPCC expert reviewer, Falmouth, Cornwall, United Kingdom

Joseph D'Aleo, BS, MS (Meteorology, University of Wisconsin), Doctoral Studies (NYU), Executive Director - ICECAP (International

Climate and Environmental Change Assessment Project), Fellow of the AMS, College Professor Climatology/Meteorology, First Director of Meteorology The Weather Channel, Hudson, New Hampshire, U.S.A.

David Deming, PhD (Geophysics), Associate Professor, College of Arts and Sciences, University of Oklahoma, Norman, Oklahoma, U.S.A.

James E Dent; <http://B.Sc.>, FCIWEM, C.Met, FRMetS, C.Env., Independent Consultant, Member of WMO OPACHE Group on Flood Warning, Hadleigh, Suffolk, England, United Kingdom

[Chris R. de Freitas](#), PhD, climate Scientist, School of Environment, The University of Auckland, New Zealand

Willem de Lange, MSc (Hons), DPhil (Computer and Earth Sciences), Senior Lecturer in Earth and Ocean Sciences, The University of Waikato, Hamilton, New Zealand

Geoff Duffy, DEng (Dr of Engineering), PhD (Chemical Engineering), BSc, ASTCDip., FRSNZ (first chemical engineer to be a Fellow of the Royal Society in NZ), FICHEME, wide experience in radiant heat transfer and drying, chemical equilibria, etc. Has reviewed, analysed, and written brief reports and papers on climate change, Auckland, New Zealand

Robert W. Durrenberger, PhD, former Arizona State Climatologist and President of the American Association of State Climatologists, Professor Emeritus of Geography, Arizona State University; Sun City, Arizona, U.S.A.

Don J. Easterbrook, PhD, Emeritus Professor of Geology, Western Washington University, Bellingham, Washington, U.S.A.

Willis Eschenbach, Independent Climate Researcher, Climate Specialties: Tropical tropospheric amplification, constructal theories of climate, See sample of scientific writings in Nature [here](#), Occidental, CA, U.S.A.

[Christopher Essex](#), PhD, professor of applied mathematics, and Associate Chair, Department of Applied Mathematics, Former Director, Program in Theoretical Physics, University of Western

Ontario, Former NSERC postdoc at the Canadian Climate Centre's Numerical Modelling Division (GCM), London, Ontario, Canada

Per Engene, MSc, Biologist, Bø i Telemark, Norway, Co-author - The Climate, Science and Politics (2009)

Terrence F. Flower, PhD, Professor of Physics and Astronomy, St. Catherine University, studied and taught physics of climate (focus on Arctic and Antarctic), took students to study physics of climate change in the Antarctic and Costa Rica, St. Paul, Minnesota, U.S.A.

[Stewart Franks](#), BSci. (Hons, Environmental Science), PhD (Landsurface-atmosphere interactions), Associate Professor and Dean of Students, University of Newcastle, Climate Specialties: hydro-climatology, flood/drought risk, Newcastle, Australia

Lars Franzén, PhD (Physical Geography), Professor, Physical Geography at Earth Sciences Centre, University of Gothenburg, Areas of Specialization: Palaeoclimate from global peatland and Chinese loess studies - [see](#) related scientific paper by Franzén et al, Gothenburg, Vastra Gotaland, Sweden

Gordon Fulks, PhD (Physics, University of Chicago), cosmic radiation, solar wind, electromagnetic and geophysical phenomena, Corbett, Oregon, U.S.A.

Robert. W. Gauldie, PhD, Research Professor (retired), Hawai'i Institute of Geophysics and Planetology, School of Ocean Earth Sciences and Technology, University of Hawai'i at Manoa, Hawaii, U.S.A.

Katya Georgieva, MSc (Physics of the Earth, Atmosphere, and Space, specialty Meteorology), PhD (Solar-Terrestrial Physics - PhD thesis on solar influences on global climate changes), Associate Professor, Head of group "Solar dynamics and global climate change" in the Solar-Terrestrial Influences Laboratory at the Bulgarian Academy of Sciences, head of project "Solar activity influences of weather and climate" of the scientific plan of the Bulgarian Academy of Sciences, member of the "Climate changes" council of the Bulgarian Academy of Sciences, Regional coordinator of the Balkan, Black sea and Caspian sea countries and member of the European Steering Committee for the International Heliophysical Year 2007-2008,

deputy editor-in-chief of the international scientific journal "Sun and Geosphere", Bulgaria

Lee C. Gerhard, PhD, Senior Scientist Emeritus, University of Kansas, past director and state geologist, Kansas Geological Survey, U.S.A.

Gerhard Gerlich, Dr.rer.nat. (Mathematical Physics: Magnetohydrodynamics) habil. (Real Measure Manifolds), Professor, Institut für Mathematische Physik, Technische Universität Carolo-Wilhelmina zu Braunschweig, Braunschweig, Germany, Co-author of "Falsification Of The Atmospheric CO₂ Greenhouse Effects Within The Frame Of Physics", Int.J.Mod.Phys.,2009

Fred Goldberg, PhD, Adj Professor, Royal Institute of Technology (Mech, Eng.), Secretary General KTH International Climate Seminar 2006 and Climate analyst (NIPCC), Lidingö, Sweden

Stanley B. Goldenberg, Research Meteorologist, NOAA, AOML/Hurricane Research Division, Miami, Florida, U.S.A.

Wayne Goodfellow, PhD (Earth Science), Ocean Evolution, Paleoenvironments, Adjunct Professor, Senior Research Scientist, University of Ottawa, Geological Survey of Canada, Ottawa, Ontario, Canada

Thomas B. Gray, MS (Meteorology, California Institute of Technology and Florida State University), 23 years as Meteorologist with the U.S. Army and Air Force (retired) and 15 years experience with NOAA Environmental Research Laboratories. Assignments include Chief, Analysis and Forecast Division, Global Weather Center, Omaha, Nebraska and Chief, Solar Forecast Center, Boulder Colorado, maintains active interest in paleoclimate and atmospheric physics, Yachats, Oregon, U.S.A.

[Vincent Gray](#), PhD, New Zealand Climate Coalition, expert reviewer for the IPCC, author of The Greenhouse Delusion: A Critique of Climate Change 2001, Wellington, New Zealand

William M. Gray, PhD, Professor Emeritus, Dept. of Atmospheric Science, Colorado State University, Head of the Tropical Meteorology Project, Fort Collins, Colorado, U.S.A.

Kenneth P. Green, Doctor of Environmental Science and Engineering (UCLA, 1994), Resident Scholar, Interim Director, Center for Regulatory Studies, American Enterprise Institute, Washington D.C., U.S.A.

Charles B. Hammons, PhD (Applied Mathematics), climate-related specialties: applied mathematics, modeling & simulation, software & systems engineering, Associate Professor, Graduate School of Management, University of Dallas; Assistant Professor, North Texas State University (Dr. Hammons found many serious flaws during a detailed study of the software, associated control files plus related email traffic of the Climate Research Unit temperature and other records and “adjustments” carried out in support of IPCC conclusions), Coyle, OK, U.S.A.

William Happer, PhD, Professor, Department of Physics, Princeton University, Princeton, NJ, U.S.A.

Howard Hayden, PhD, Emeritus Professor (Physics), University of Connecticut, The Energy Advocate, Pueblo West, Colorado, U.S.A.

Warren T. Hinds, B.S. (Engineering), M.S. (Atmospheric Sciences), PhD (Physical Ecology, U. Washington, Seattle), Sr. Scientist at Pacific Northwest National Laboratory; consultant for USA EPA research on Global Climate Change Program, Specialist for Defense Programs, Department of Energy, Climate Specialties: atmospheric physics and quantitative empirical analyses regarding climatological, meteorological, and ecological responses to environmental stresses, Gainesville, Georgia, U.S.A.

Art Horn, Meteorologist (honors, Lyndon State College, Lyndonville, Vermont), operator, The Art of Weather, U.S.A.

Douglas Hoyt, B.S. (Physics, Rensselaer Polytechnic Institute), M.S. (Astro-Geophysics, University of Colorado), co-author of the book [The Role of the Sun in climate Change](#), previously senior scientist at Raytheon (MODIS instrument development), with earlier employment at NOAA, NCAR, World Radiation Center and the Sacramento Peak Observatory, Berkeley Springs, West Virginia, U.S.A.

Warwick Hughes, MSc Hons (Geology), Founder of the "Errors in IPCC Climate Science" Blog - <http://www.warwickhughes.com/blog/>, Areas of Specialization: Jones et al temperature data, Canberra, Australia

[Ole Humlum](#), PhD, Professor of Physical Geography, Department of Physical Geography, Institute of Geosciences, University of Oslo, Oslo, Norway

Craig D. Idso, PhD, Chairman of the Board of Directors of the Center for the Study of Carbon Dioxide and Global Change, Tempe, Arizona, U.S.A.

Sherwood B. Idso, PhD, President, Center for the Study of Carbon Dioxide and Global Change, Tempe, Arizona, U.S.A.

Larry Irons, BS (Geology), MS (Geology), Sr. Geophysicist at FairfieldNodal (Areas of Specialization: Paleoclimate), Lakewood, Colorado, U.S.A.

Terri Jackson, MSc (plasma physics), MPhil (energy economics), Director, Independent Climate Research Group, Northern Ireland and London (Founder of the energy/climate group at the Institute of Physics, London), United Kingdom

Albert F. Jacobs, Geol.Drs., P. Geol., Calgary, Alberta, Canada

Zbigniew Jaworowski, PhD, DSc, professor of natural sciences, Senior Science Adviser of Central Laboratory for Radiological Protection, researcher on ice core CO₂ records, Warsaw, Poland

Bill Kappel, BS (Physical Science-Geology), BS (Meteorology), Storm Analysis, Climatology, Operation Forecasting, Vice President/Senior Meteorologist, Applied Weather Associates, LLC, University of Colorado, Colorado Springs, U.S.A.

Olavi Kärner, Ph.D., Extraordinary Research Associate; Dept. of Atmospheric Physics, Tartu Observatory, Toravere, Estonia

Madhav L. Khandekar, PhD, consultant meteorologist, (former) Research Scientist, Environment Canada, Editor "Climate Research" (03-05), Editorial Board Member "Natural Hazards, IPCC Expert Reviewer 2007, Unionville, Ontario, Canada

Leonid F. Khilyuk, PhD, Science Secretary, Russian Academy of Natural Sciences, Professor of Engineering, University of Southern California, Los Angeles, California, U.S.A.

William Kininmonth MSc, MAdmin, former head of Australia's National Climate Centre and a consultant to the World Meteorological organization's Commission for Climatology, Kew, Victoria, Australia

[Gerhard Kramm](#), Dr. rer. nat. (Theoretical Meteorology), Research Associate Professor, Geophysical Institute, Associate Faculty, College of Natural Science and Mathematics, University of Alaska Fairbanks, (climate specialties: Atmospheric energetics, physics of the atmospheric boundary layer, physical climatology - [see](#) interesting paper by Kramm et al), Fairbanks, Alaska, U.S.A.

Leif Kullman, PhD (Physical geography, plant ecology, landscape ecology), Professor, Physical geography, Department of Ecology and Environmental science, Umeå University, Areas of Specialization: Paleoclimate (Holocene to the present), glaciology, vegetation history, impact of modern climate on the living landscape, Umeå, Sweden

Douglas Leahey, PhD, meteorologist and air-quality consultant, President - Friends of Science, Calgary, Alberta, Canada

[Jay Lehr](#), BEng (Princeton), PhD (environmental science and ground water hydrology), Science Director, The Heartland Institute, Chicago, Illinois, U.S.A.

Edward Liebsch, B.A. (Earth Science, St. Cloud State University); M.S. (Meteorology, The Pennsylvania State University), former Associate Scientist, Oak Ridge National Laboratory; former Adjunct Professor of Meteorology, St. Cloud State University, Environmental Consultant/Air Quality Scientist (Areas of Specialization: micrometeorology, greenhouse gas emissions), Maple Grove, Minnesota, U.S.A.

Richard S. Lindzen, PhD, Alfred P. Sloan professor of meteorology, Dept. of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A.

William Lindqvist, PhD (Applied Geology), Independent Geologic Consultant, Areas of Specialization: Climate Variation in the recent geologic past, Tiburon, California, U.S.A.

Peter Link, BS, MS, PhD (Geology, Climatology), Geol/Paleoclimatology, retired, Active in Geol-paleoclimatology, Tulsa University and Industry, Evergreen, Colorado, U.S.A.

Anthony R. Lupo, Ph.D., Professor of Atmospheric Science, Department of Soil, Environmental, and Atmospheric Science, University of Missouri, Columbia, Missouri, U.S.A.

[Qing-Bin Lu](#), PhD, Associate Professor, Department of Physics and Astronomy, cross-appointed to Departments of Biology and Chemistry, Canadian Institutes of Health Research (CIHR) New Investigator, University of Waterloo, Ontario, Canada

Horst Malberg, PhD, Professor (emeritus) for Meteorology and Climatology and former director of the Institute for Meteorology at the Free University of Berlin, Germany

Björn Malmgren, PhD, Professor Emeritus in Marine Geology, Paleoclimate Science, Goteborg University, retired, Norrtälje, Sweden

[Oliver Manuel](#), BS (Chem), MS (Geo-Chem), PhD (Nuclear Chem), Post-Doc (Space Physics), Fulbright Scholar (Astrophysics), NSF Post-Doc Fellow (UC-Berkeley), Associate - Climate & Solar Science Institute, Professor (now Emeritus)/Dept Chair, College of Arts & Sciences University of Missouri-Rolla, Fulbright Scholar (Tata Institute- Mumbai), previously Research Scientist (US Geological Survey-Denver) and NASA Principal Investigator for Apollo, Climate Specialties: Earth's heat source, sample of relevant papers: "[Earth's heat source - the Sun](#)", Energy and Environment 20 131-144 (2009); "[The sun: a magnetic plasma diffuser that controls earth's climate](#)", paper presented at the V. International Conference on Non-accelerator New Physics, Dubna, Russia, 20 June 2005; "[Superfluidity in the solar interior: Implications for solar eruptions and climate](#)", Journal of Fusion Energy 21, 193-198 (2002), Cape Girardeau, Missouri, U.S.A.

David Manuta, Ph.D. (Inorganic/Physical Chemistry, SUNY Binghamton), FAIC, Climate Specialties: Gas Phase Infrared Studies,

Thermodynamics of Small Molecule Formation (e.g., CO₂, [HF](#), and H₂O), President, [Manuta Chemical Consulting](#), Inc., Chairman of the Board, The American Institute of Chemists, Past Positions include Adjunct Professor of Physics, Ohio University-Chillicothe, Ohio, Assistant Professor of Chemistry and Physical Science at Shawnee State University, Ohio, Assistant Professor of Chemistry and Physical Science at Upper Iowa University and US Enrichment Corp. (nuclear), Waverly, Ohio, USA

Francis Massen, PhD, [Physics Lab and meteoLCD](#), Lycée Classique de Diekirch, 32 av. de la gare L-9233, ([see](#) interesting scientific paper by Massen et al), Diekirch, Luxembourg

Irina Melnikova, PhD (Physics & Mathematics), Head of the Laboratory for Physics of the Atmosphere INENCO RAN, specialization: radiative regime of the cloudy atmosphere - [see](#) interesting paper on this topic by Dr. Melnikova, St. Petersburg, Russia

Patrick J. Michaels, A.B., S.M., Ph.D. (ecological climatology, Senior Fellow in Environmental Studies, CATO Institute, Distinguished Senior Fellow in the School of Public Policy, George Mason University, a past president of the American Association of State Climatologists, past program chair for the Committee on Applied Climatology of the American Meteorological Society, past research professor of Environmental Sciences at University of Virginia, contributing author and reviewer of the UN IPCC, Washington, D.C., U.S.A.

Fred Michel, PhD, Director, Institute of Environmental Sciences, Associate Professor of Earth Sciences, Carleton University (article by Dr. Michel: "[Climatic hubris: The Ellesmere Island ice shelves have been disappearing since they were first mapped in 1906](#)", January 16, 2007, National Post), Ottawa, Ontario, Canada

Ferenc Mark Miskolczi, PhD, atmospheric physicist, formerly of NASA's Langley Research Center, (in [his 2010 paper](#), Dr. Miskolczi writes, "The data negate increase in CO₂ in the atmosphere as a hypothetical cause for the apparently observed global warming. A hypothesis of significant positive feedback by water vapor effect on atmospheric infrared absorption is also negated by the observed

measurements. Apparently major revision of the physics underlying the greenhouse effect is needed."), Hampton, Virginia, U.S.A.

Asmund Moene, PhD, MSc (Meteorology), former head of the Forecasting Centre, Meteorological Institute, Oslo, Norway

[Nils-Axel Mörner](#), PhD (Sea Level Changes and Climate), Emeritus Professor of Paleogeophysics & Geodynamics, Stockholm University, Stockholm, Sweden

Nasif Nahle, BSc (Biology), C-1L on Scientific Research, climatology and meteorology, physics, and paleobiology, Director of Scientific Research at Biology Cabinet (Areas of Specialization: Climatology and Meteorology (certification), San Nicolas de los Garza, Nuevo Leon, Mexico

David Nowell, [http://M.Sc.](#), Fellow of the Royal Meteorological Society, former chairman of the NATO Meteorological Group, Ottawa, Ontario, Canada

James J. O'Brien, PhD., Emeritus Professor, Meteorology and Oceanography, Florida State University, Florida, U.S.A.

Peter Oliver, BSc (Geology), BSc (Hons, Geochemistry & Geophysics), MSc (Geochemistry), PhD (Geology), specialized in NZ quaternary glaciations, Geochemistry and Paleomagnetism, previously research scientist for the NZ Department of Scientific and Industrial Research, Upper Hutt, New Zealand

Cliff Ollier, [http://D.Sc.](#), Professor Emeritus (School of Earth and Environment - see his [Copenhagen Climate Challenge](#) sea level article [here](#)), Research Fellow, University of Western Australia, Nedlands, W.A., Australia

[R. Timothy Patterson](#), PhD, Professor, Dept. of Earth Sciences (paleoclimatology), Carleton University, Chair - International Climate Science Coalition, Ottawa, Ontario, Canada

Alfred H. Pekarek, PhD, Associate Professor of Geology, Earth and Atmospheric Sciences Department, St. Cloud State University, St. Cloud, Minnesota, U.S.A.

Stanley Penkala, BS (Chemical Engineering, Univ. of PA), PhD (Chemical Engineering, Univ. of PA.), Asst. Prof. Air Engineering and Industrial Hygiene, University of Pittsburgh GSPH (1970-1973), Environmental Scientist, DeNardo & McFarland Weather Services (1973-1980), Air Science Consultants, Inc. (VP 1980-1995, President 1995-Present), Areas of Specialization: Air Dispersion Modeling, Anthropogenic Sources of Global CO₂, Quality Assurance in Air Pollution Measurements, Pittsburgh, PA, U.S.A.

Ian Plimer, PhD, Professor of Mining Geology, The University of Adelaide; Emeritus Professor of Earth Sciences, The University of Melbourne, Australia

Oleg M. Pokrovsky, BS, MS, PhD (mathematics and atmospheric physics - St. Petersburg State University, 1970), Dr. in Phys. and Math Sciences (1985), Professor in Geophysics (1995), principal scientist, Main Geophysical Observatory (RosHydroMet), St. Petersburg, Russia. Note: Dr. Pokrovsky carried out comprehensive analysis of many available long climate time series and came to conclusion that anthropogenic CO₂ impact is not main contributor in climate change as declared by IPCC.

Daniel Joseph Pounder, BS (Meteorology, University of Oklahoma), MS (Atmospheric Sciences, University of Illinois, Urbana-Champaign); Meteorological/Oceanographic Data Analyst for the National Data Buoy Center, formerly Meteorologist, WILL AM/FM/TV, Urbana, U.S.A.

[Brian Pratt](#), PhD, Professor of Geology (Sedimentology), University of Saskatchewan ([see](#) Professor Pratt's article for a summary of his views), Saskatoon, Saskatchewan, Canada

Tom Quirk, MSc (Melbourne), D Phil (physics), MA (Oxford), SMP (Harvard), Member of the Scientific Advisory Panel of the Australian climate Science Coalition, Member Board Institute of Public Affairs, Melbourne, Areas of Specialization: Methane, Decadal Oscillations, Isotopes, Victoria, Australia

Vijay Kumar Raina, Ex. Deputy Director General, Geological Survey of India, author of 2010 MoEF Discussion Paper, "[Himalayan Glaciers - State-of-Art Review of Glacial Studies, Glacial Retreat and Climate Change](#)", the first comprehensive study on the region. Mr.

Raina's field activities covered extensive research on the geology and the glaciers of the Himalayas, Andaman Islands that included research on the volcanoes in the Bay of Bengal. He led two Indian Scientific Expeditions to Antarctica that earned him the National Mineral Award and the Antarctica Award. He has authored over 100 scientific papers and three books: 'Glacier Atlas of India' dealing with various aspects of glacier studies undertaken in the Himalayas; 'Glaciers, the rivers of ice' and 'Images Antarctica, Reminiscences', Chandigarh, India

Denis Rancourt, [http://B.Sc.](#), [http://M.Sc.](#), Ph.D. (Physics), Former physics professor, University of Ottawa (then funded by NSERC in both physics and environmental science), Climate Specialties: global carbon cycle and environmental nanoparticles science, statistical physics, as well as the politics, sociology and psychology of the climate debate, current research includes radiative effects and phenomena (albedo, greenhouse effect), Ottawa, Ontario, Canada

Oleg Raspopov, Doctor of Science and Honored Scientist of the Russian Federation, Professor - Geophysics, Senior Scientist, St. Petersburg Filial (Branch) of N.V.Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radiowaves Propagation of RAS (climate specialty: climate in the past, particularly the influence of solar variability), Editor-in-Chief of journal "Geomagnetism and Aeronomy" (published by Russian Academy of Sciences), St. Petersburg, Russia

S. Jeevananda Reddy, [http://M.Sc.](#) (Geophysics), Post Graduate Diploma (Applied Statistics, Andhra University), PhD (Agricultural Meteorology, Australian University, Canberra), Formerly Chief Technical Advisor -- United Nations World Meteorological Organization (WMO) & Expert-Food and Agriculture Organization (UN), Convenor - Forum for a Sustainable Environment, author of 500 scientific articles and several books - here is one: "[Climate Change - Myths & Realities](#)", Hyderabad, India

George A. Reilly, PhD (Geology, University of Michigan, Ann Arbor), areas of specialization: Geological aspects of paleoclimatology, Retired, Winnipeg, Manitoba, Canada

Robert G. Roper, PhD, DSc (University of Adelaide, South Australia), Emeritus Professor of Atmospheric Sciences, School of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, Georgia, U.S.A.

[Nicola Scafetta](#), PhD (Physics, 2001, University of North Texas), Laurea (Dottore in Physics, 1997, Università di Pisa, Italy), Active Cavity Radiometer Irradiance Monitor Experiment ([ACRIM](#)), Climate Specialties: solar and astronomical causes of climate change, [see](#) interesting paper by Scafetta on this), Research Scientist - Physics, Duke University, Durham, NC, U.S.A.

Rob Scagel, MSc (forest microclimate specialist), Principal Consultant - Pacific Phytometric Consultants, Surrey, British Columbia, Canada

[Tom V. Segalstad](#), PhD (Geology/Geochemistry), secondary Web page [here](#), Head of the Geological Museum, Natural History Museum and Associate Professor of Resource and Environmental Geology, University of Oslo, Norway

Gary Sharp, PhD, Center for Climate/Ocean Resources Study, Salinas, California, U.S.A.

Thomas P. Sheahen, PhD (Physics, Massachusetts Institute of Technology), specialist in renewable energy, research and publication (applied optics) in modeling and measurement of absorption of infrared radiation by atmospheric CO₂, National Renewable Energy Laboratory (2005-2008); Argonne National Laboratory (1988-1992); Bell Telephone labs (1966-73), National Bureau of Standards (1975-83), Oakland, Maryland, U.S.A.

S. Fred Singer, PhD, Professor Emeritus (Environmental Sciences), University of Virginia, former director, U.S. Weather Satellite Service, Science and Environmental Policy Project, Charlottesville, Virginia, U.S.A.

Jan-Erik Solheim, MSc (Astrophysics), Professor, Institute of Physics, University of Tromsø, Norway (1971-2002), Professor (emeritus), Institute of Theoretical Astrophysics, University of Oslo, Norway (1965-1970, 2002- present), climate specialties: sun and periodic climate variations, scientific paper by Professor Solheim "[Solen varsler et kaldere tiår](#)", Baerum, Norway

Roy W. Spencer, PhD, climatologist, Principal Research Scientist, Earth System Science Center, The University of Alabama, Huntsville, Alabama, U.S.A.

H. Leighton Steward, Master of Science (Geology), Areas of Specialization: paleoclimates and empirical evidence that indicates CO₂ is not a significant driver of climate change, Chairman, PlantsNeedCO2.org and CO2IsGreen.org, Chairman of the Institute for the Study of Earth and Man (geology, archeology & anthropology) at SMU in Dallas, Texas, Boerne, TX, U.S.A.

Peter Stilbs, TeknD, Professor of Physical Chemistry, Research Leader, School of Chemical Science and Engineering, Royal Institute of Technology (KTH), member of American Chemical Society and life member of American Physical Society, Chair of "Global Warming - Scientific Controversies in Climate Variability", International seminar meeting at KTH, 2006, Stockholm, Sweden

Edward (Ted) R. Swart, <http://D.Sc>. (physical chemistry, University of Pretoria), <http://B.Sc>. (chem eng.) and Ph.D. (math/computer science, University of Witwatersrand). Dean of the Faculty of Science, Professor and Head of the Department of Computer Science, University of Rhodesia and past President of the Rhodesia Scientific Association. Set up the first radiocarbon dating laboratory in Africa with funds from the Gulbenkian Foundation. Professor in the Department of Combinatorics and Optimization at the University of Waterloo and Chair of Computing and Information Science and Acting Dean at the University of Guelph, Ontario, Canada. Now retired in Kelowna, British Columbia, Canada

Roger Tanner, PhD (Analytical Chemistry, University of Illinois, Champaign-Urbana), 40-yr career in atmospheric chemistry and air quality measurement science at Tennessee Valley Authority, Desert Research Institute, Reno, and Brookhaven National Lab, Climate Specialties: atmospheric chemistry and air quality measurement science, Florence, Alabama, U.S.A.

George H. Taylor, B.A. (Mathematics, U.C. Santa Barbara), M.S. (Meteorology, University of Utah), Certified Consulting Meteorologist, Applied Climate Services, LLC, Former State

Climatologist (Oregon), President, American Association of State Climatologists (1998-2000), Corvallis, Oregon, U.S.A.

Frank Tipler, PhD, Professor of Mathematical Physics, astrophysics, Tulane University, New Orleans, Louisiana, U.S.A.

Edward M. Tomlinson, MS (Meteorology), Ph.D. (Meteorology, University of Utah), President, Applied Weather Associates, LLC (leader in extreme rainfall storm analyses), 21 years US Air Force in meteorology (Air Weather Service), Monument, Colorado, U.S.A.

Ralf D. Tscheuschner, Dr.rer.nat. (Theoretical physics: Quantum Theory), Freelance Lecturer and Researcher in Physics and Applied Informatics, Hamburg, Germany. Co-author of “Falsification of The Atmospheric CO₂ Greenhouse Effects Within The Frame Of Physics, Int.J.Mod.Phys. 2009

Göran Tullberg, Civilingenjör i Kemi (equivalent to Masters of Chemical Engineering), Co-author - [The Climate, Science and Politics](#) (2009) (see [here](#) for a review), formerly instructor of Organic Chemistry (specialization in “Climate chemistry”), Environmental Control and Environmental Protection Engineering at University in Växjö; Falsterbo, Sweden

Brian Gregory Valentine, PhD, Adjunct professor of engineering (aero and fluid dynamics specialization) at the University of Maryland, Technical manager at US Department of Energy, for large-scale modeling of atmospheric pollution, Technical referee for the US Department of Energy's Office of Science programs in climate and atmospheric modeling conducted at American Universities and National Labs, Washington, DC, U.S.A.

Gerrit J. van der Lingen, PhD (Utrecht University), geologist and paleoclimatologist, climate change consultant, Geoscience Research and Investigations, Christchurch, New Zealand

A.J. (Tom) van Loon, PhD, Professor of Geology (Quaternary Geologyspecialism: Glacial Geology), Adam Mickiewicz University, Poznan, Poland; former President of the European Association of Science Editors

Michael G. Vershovsky, Ph.D. in meteorology (macrometeorology, long-term forecasts, climatology), Senior Researcher, Russian State Hydrometeorological University, works with, as he writes, “Atmospheric Centers of Action (cyclons and anticyclones, such as Icelandic depression, the South Pacific subtropical anticyclone, etc.). Changes in key parameters of these centers strongly indicate that the global temperature is influenced by these natural factors (not exclusively but nevertheless)”, St. Petersburg, Russia

Gösta Walin, Professor, i oceanografi, Earth Science Center, Göteborg University, Göteborg, Sweden

Helen Warn, PhD (Meteorology, specialized in atmospheric fluid dynamics at McGill University), Vancouver, BC, Canada

Anthony Watts, ItWorks/IntelliWeather, Founder, surfacestations.org, [Watts Up With That](http://WattsUpWithThat.com), Chico, California, U.S.A.

Charles L. Wax, PhD (physical geography: climatology, LSU), State Climatologist – Mississippi, past President of the American Association of State Climatologists, Professor, Department of Geosciences, Mississippi State University, U.S.A.

Forese-Carlo Wezel, PhD, Emeritus Professor of Stratigraphy (global and Mediterranean geology, mass biotic extinctions and paleoclimatology), University of Urbino, Urbino, Italy

Boris Winterhalter, PhD, senior marine researcher (retired), Geological Survey of Finland, former professor in marine geology, University of Helsinki, Helsinki, Finland

David E. Wojick, PhD, PE, energy and environmental consultant, Technical Advisory Board member - Climate Science Coalition of America, Star Tannery, Virginia, U.S.A.

Dr. Bob Zybach, PhD (Oregon State University (OSU), Environmental Sciences Program, EPA-sponsored peer-reviewed research on carbon sequestration in coniferous forests -- mostly in relation to climate history and quality of climate predictive models), MAIS (OSU, Forest Ecology, Cultural Anthropology, Historical Archaeology), BS (OSU College of Forestry), President, NW Maps Co., Program Manager,

Oregon Websites and Watersheds Project, Inc., Cottage Grove,
Oregon, U.S.A. American Association of State
Climatologists” <http://www.climatescienceinterna...>

American Geological Institute

American Institute of Professional Geologists

[Geological Sciences of the Polish Academy of Sciences](#)

[Japan Society of Energy and Resources](#) (1791 Members)

[Russian Academy of Sciences](#)

<http://www.populartechnology.net...>

THE SCIENCE IS FAR FROM SETTLED -

And according to a study of 1,868 scientists working in climate-related fields, conducted just this year by the PBL Netherlands Environment Assessment Agency, three in ten respondents said that less than half of global warming since 1951 could be attributed to human activity, or that they did not know. Given the politics of modern academia and the scientific community, it's not unlikely that most scientists involved in climate-related studies believe in anthropogenic global warming, and likely believe, too, that it presents a problem. However, there is no consensus approaching 97 percent. A vigorous, vocal minority exists. The science is far from settled. – Ian Tuttle is a William F. Buckley Jr. Fellow in Political Journalism at the National Review Institute.

Read more at: <http://www.nationalreview.com/ar...>

IPCC's abuse of science 1

An open letter to Australia's Chief Scientist

Professor Penny Sackett December 2009

By John Happs

Dr Happs is a former lecturer in the geosciences and author of numerous science texts and book chapters. This is his open letter of

20 December 2009 to Australia's then Chief Scientist Professor Penny Sackett. It surveys (with many quotes) the whistle blowing that uncovered abuse of science by the Intergovernmental Panel on Climate Change -- an abuse that promises to be the worst scandal in science's history. The letter has also been circulated to Australian senators. This website version has been slightly abridged and updated. The headings and graphs have been added. An update was added as a postscript in December 2010. Professor Sackett never replied, so Dr Happs has sent a **second open letter** to the new Chief Scientist, Professor Ian Chubb. This second letter has mostly new content, and is on this website in two parts. Don't miss it! Now back to Professor Sackett:

Dear Professor Sackett,

In my email to you of 20 June 2009 I criticised politicians for so quickly embracing the unproven notion, put out by the Intergovernmental Panel on Climate Change (IPCC), of man-made global warming and catastrophic climate change. You did not respond to my email. Neither did you acknowledge receiving it.

In my email I reminded you of your position on global warming. ABC journalist Sabra Lane quotes you as saying "The evidence is clear the planet is warming due to human activity. ... It is also clear that the largest portion of that [warming] is due to human action. That is, through deforestation and emissions of greenhouse gases into the atmosphere". Similarly, when Peter Mares interviewed you on Radio National (3 April 2009), you said "The primary task of a Chief Scientist is to advise the government in an independent manner on all things scientific". Furthermore, "The government respects that the advice must be independent and the Chief Scientist respects that the government shouldn't be surprised by any advice. That is to say that we consult carefully before giving it".

IPCC criticised by tens of thousands of informed scientists

But I also reminded you that tens of thousands of informed scientists have criticised the IPCC's findings. So I urged you to look up their conclusions on the internet. The main petitions are: The Heidelberg Appeal (4000 signatures including 62 Nobel prizewinners), The Oregon Petition (31,000 accredited scientists), The Manhattan

Declaration (600 research climatologists), The Petition to the United Nations (100 geoscientists), Petition to the Canadian Prime Minister (60 climate experts), The Leipzig Declaration (100 geoscientists), The Statement from Atmospheric Scientists (50), Petition to the German Chancellor (200 German scientists), Statement from the American Physical Society (150 physical scientists), Petition to President Obama (100 leading climate researchers), UN Climate Scientists speak out on Global Warming (700, many previously involved with the IPCC). All are critical of the notion of man-made global warming, and all of them (with signatures and accreditations) are accessible via Google.

I also provided you with numerous quotes from scientists who had been involved with the IPCC as reviewers and/or contributors. They were extremely critical of the IPCC process, and I would have expected you to take those statements seriously. For instance Dr Vincent Gray, climate consultant, long-standing member of the New Zealand Royal Society and expert reviewer for the IPCC, publicly described the IPCC's climate change statements as "An orchestrated litany of lies". To support the IPCC's statements seems to embrace political correctness and ideology, certainly not science.

IPCC charter seems biased

Some politicians still see the IPCC as being the gold standard of climate science. In fact the IPCC is a single-interest organisation that was established twenty years ago. Right from the start it assumed a widespread human influence on climate. Its charter was *To assess the scientific, technical and socio-economic information relevant for the understanding of the risk of human-induced climate change*. Such a charter makes it unlikely that the other factors influencing climate change would be taken seriously. In short, the IPCC's agenda appears to be political and ideological rather than scientific. As I show below, its integrity is now being challenged by the broader scientific community.

Many IPCC members are not scientists

Dr John Christy, Professor of Atmospheric Science and Director of the Earth System Science Centre at the University of Alabama, says "It is well known that many, if not most, of [the IPCC's] members are not scientists at all. Its president, for example, is an economist".

Dr William Schlesinger, biogeochemist and president of the Cary Institute of Ecosystem Studies, notes that 80% of the IPCC's members had absolutely no dealing with climate as part of their academic studies.

Professor Paul Reiter, from the Institut Pasteur in Paris, gave written evidence to the Select Committee on Economic Affairs about the *IPCC Second Assessment Report, Working Group 11, Chapter 18 on Human Population Health*. He said "The amateurish text of the chapter reflected the limited knowledge of the 22 authors".

Interestingly, politicians and the media have never noticed that the IPCC's president Rajendra Pachauri has no scientific qualifications, yet is able to speak with "certainty" about climate science. Additionally it appears that Pachauri has established a worldwide portfolio of business interests, where large amounts of money are being invested in organisations that could benefit from the IPCC's policy recommendations. Which leads to my next point.

Who stands to gain from emissions trading?

Pachauri is not the only person who stands to gain from emissions trading, which is essentially paying money for the privilege of generating carbon dioxide. Fred Lucas works at the Capital Research Centre which monitors non-profit organisations. He points out that Al Gore "Has cast his net in green technology. Potentially the most lucrative source of cash flow for Gore is his partnership in the venture capital firm Kleiner Perkins Caufield & Byers, which this year formed two funds that will invest \$1.2 billion in environmentally friendly companies". Furthermore, "Gore is also co-founder and chairman of London-based Generation Investment Management that collaborates with Kleiner Perkins on seeking out investments in "sustainability". He's also invested \$35 million in a hedge fund, Capricorn Investment Group LLC, of Palo Alto, California. Founded by former eBay president Jeff Skoll (who helped bankroll Gore's book *An Inconvenient Truth*), Capricorn invests its clients' funds in makers of eco-friendly products".

There are countless other vested interests besides those of Pachauri and Gore. Around the world huge amounts of government money have been made available for research on climate change. Inserting

the words "climate change" into a grant proposal, and exaggerating the impact of global warming, puts you ahead of the crowd. From individual researchers to whole institutes, it appears to be a matter of toeing the IPCC party line in exchange for cash bonanzas.

Two examples of distortion

Dr Richard Courtney relates how the US National Oceanic and Atmospheric Administration asked him to be a peer reviewer for the IPCC's *Fourth Assessment Report*. He explains what happened: "My review of its First Draft was damning, but the Second Draft retained all the basic faults I had pointed out. I made comments on the Second Draft but they were also ignored".

Dr Willem de Lange, an expert in Oceanography, coastal processes and climatic hazards, was listed by the IPCC as one of approximately 3000 scientists who agreed that there was a discernable human influence on climate. But he did *not* agree with the IPCC projections of sea level rise and threats to Pacific Islands. Instead he had indicated how research clearly shows that coral atolls and associated islands are likely to increase (not decrease) in elevation as sea level rises. So the IPCC's assumptions were invalid, and he was convinced that the IPCC's projections were unrealistic. The IPCC ignored his comments.

Where are the IPCC's "thousands of scientists"?

I've heard several politicians referring to the "thousands of scientists" supposedly associated with the IPCC. For instance the then Prime Minister Kevin Rudd said "This is the conclusion of 4000 scientists appointed by governments from virtually every country in the world, and the term *"very likely"* is defined in the scientific conclusion of this [IPCC] report as being 90% probable".

On the other hand, statistician Dr John McLean has many years experience investigating and analysing climate data and other climate-related issues. He makes the comment "How many times have you heard or read words to the effect that 4000 scientists from the IPCC support the claims about a significant human influence on climate? It's utterly wrong". In fact "Fifty-three authors and five reviewers are all that can be said to *explicitly* support the claim of a significant human influence on climate. The figure of 4000 is a

myth". Indeed, against these few authors and reviewers are the tens of thousands of informed contrary views mentioned earlier. In other words, contrary to what Kevin Rudd implies, *the consensus of informed scientists is against the IPCC*.

An unjustified U-turn

Dr McLean has also noted how the IPCC's draft *1995 Scientific Report* included the following three statements that express doubt about man-made effects: "None of the [scientific] studies cited above has shown clear evidence that we can attribute the observed [climate] changes to the specific cause of increases in greenhouse gases". "No study to date has positively attributed all or part [of observed climate change] to anthropogenic causes". "Any claims of positive detection of significant climate change are likely to remain controversial until uncertainties in the total natural variability of the climate system are reduced". But in the IPCC's later *Summary Report for Policymakers*, widely distributed through the media and governments, the above three statements had been replaced with this contrary statement: "The balance of evidence suggests a discernible human influence on global climate". Such a U-turn was not justified by the scientific evidence, yet politicians seemed oblivious to the problem.

Reliable data is being ignored

Additionally, the IPCC has essentially ignored temperature data from uncontaminated sources such as mountain-top weather stations, satellites, and radio-sonde balloons, ie data that is free from the heat effects of human habitation. Instead, they have used notoriously unreliable temperature data that had been collated and stored at the Climatic Research Unit at the University of East Anglia (of which more below). The IPCC also ignored data from the Argo Network of over 3000 worldwide ocean buoys that shows ocean cooling (not warming). In other words the IPCC's statements about temperature trends, which have overly influenced trusting politicians around the world, are likely to be more or less worthless.

The world has been warming since the Little Ice Age of the 1700s, long before the rise in man-made carbon dioxide. But since 2001, satellite data show the world has been cooling despite the continuing rise in carbon dioxide. This does not mean that global warming is

over, only that something other than carbon dioxide is the main driver of temperature change. ppm = parts per million. 100 ppm = 0.01%. This graph was not included in the original letter and is redrawn from [JoNova](#). For the latest update visit [JunkScience.com](#)

Whistleblowers uncover a likely scandal

Many scientists have been warning politicians for some time that the storm clouds are gathering, and that the IPCC saga is likely to be the biggest scandal in the history of science. Accordingly, Professor Sackett, I trust you have been keeping up to date with the latest developments at the University of East Anglia and elsewhere. Let me give you a synopsis:

At the end of 2009 about 1000 emails and 3000 documents located on the Climatic Research Unit server at the University of East Anglia were hacked and leaked by whistleblowers. Collectively the leaked material reveals serious abuse of the scientific process. Climate scientist Professor Tim Ball was explicit about the emails and documents: "The argument that global warming is due to humans, known as the anthropogenic [man-made] global warming theory, is a deliberate fraud. I can now make that statement without fear of contradiction because of a remarkable hacking of files that provided not just a smoking gun, but an entire battery of smoking guns. ... Carbon dioxide was never a problem and all the machinations and deceptions exposed by these files prove that it is the greatest deception in history, but nobody is laughing. It is a very sad day for science".

The rest of my letter gives examples from the leaked emails that document the IPCC's abuse of the scientific process. The abuses appear to include suppression of inconvenient evidence, manipulation of data, conspiracy to withhold data, dishonesty, and pressuring critical journal editors. It could hardly get any worse.

Clique of authors

The emails seem to reveal a clique of authors working covertly to ensure that only those papers supporting man-made global warming were published. Statistician Professor Wegman, in his report to the National Academy of Science, named those standing at the centre of this scandal. Climate scientist Professor Tim Ball has done the same,

saying "The dominant names involved are ones I have followed throughout my career including Phil Jones (Director of the Climate Research Unit at the University of East Anglia), Benjamin Santer, Michael Mann (Director of the Earth System Science Center at Pennsylvania State University), Kevin Trenberth, Jonathan Overpeck, Ken Briffa and Tom Wigley. I have watched climate science hijacked and corrupted by this small group of scientists".

In effect a small clique of scientists controlled the IPCC, the IPCC's crucial report chapters, and the IPCC's *Summary for Policy Makers* which went out to politicians and the media. Remember their names because they appear again and again in the cases that follow.

Pressure on editors

Emails uncovered by the whistleblowers indicate that pressure was brought to bear on editors of journals that published papers arguing against the IPCC agenda. For instance, in one email Phil Jones says "He and Kevin [Trenberth] will keep some papers out of the next IPCC report". And in email exchanges between Jones, Director of the Climate Research Unit at the University of East Anglia, and Michael Mann, Director of the Earth System Science Center at Pennsylvania State University, they discuss how they could pressure an academic journal to reject the work of climate skeptics with whom they disagree. Thus Jones says "I will be emailing the journal to tell them I'm having nothing more to do with it until they rid themselves of this troublesome editor".

In other emails Grant Foster appeared to be looking for comments about a paper that was critical of the notion of man-made global warming. Jones gave Foster a list of people, telling him that "These reviewers would know what to say about the paper [i.e. bad things] without any prompting". Similarly, when Ken Briffa discusses a skeptical article with Ed Cook, he says in confidence that he needs to put together a case to reject that article. And when discussing the IPCC's draft *Fourth Assessment Report*, Mann acknowledges that the paleoclimate chapter would be contentious, but they have the right people to deal with it.

Professor Wegman went on to warn "It is immediately clear that Mann, Rutherford, Jones, Osborn, Briffa, Bradley and Hughes form a

clique, each interacting with all of the others. A clique is a fully connected subgraph, meaning everyone in the clique interacts with everyone else in the clique".

Manipulation of data

The emails also appear to indicate that the clique manipulated data to favour the notion of unprecedented man-made global warming. Such manipulation of data, for political and/or ideological reasons, is misconduct at best and fraud at worst. Other emails acknowledged the frustration the clique experienced trying to find evidence to "prove" man-made climate change.

For instance, Tom Wigley admitted to Michael Mann that a figure used to refute Christopher Monckton's criticism (see later) was deceptive. He also said there had been a number of dishonest presentations of model output by authors and the IPCC, as when sea surface temperatures were manipulated to make the results look both warmer and plausible.

Worse, some scientists at the Climatic Research Unit appear to have been working in league with US scientists who compiled the climate data for the Goddard Institute for Space Studies. The latter data appear to contain numerous biases which inflate the supposed natural warming of the 20th century. (In fact satellite data shows there has been no global warming since the late 1970s and cooling since 2001, see graph.) In the USA the Competitive Enterprise Institute has now filed three *Notices of Intent to File Suit* against the Goddard Institute over their 3-year refusal to provide documents requested under the US Freedom of Information Act.

Mathematician Christopher Monckton, former scientific advisor to Margaret Thatcher, describes those implicated by the leaked emails as a "Close-knit clique of climate scientists who invented and now drive the "global warming" fraud -- for fraud is what we now know it to be - - and tampered with temperature data". He adds "I have reported them to the UK's Information Commissioner, with a request that he investigate their offences and, if thought fit, prosecute".

Australia's Professor Ian Plimer agrees with Monckton's position, saying "Here we have the Australian government underpinning the

biggest economic decision this country has ever made and it's all based on fraud".

Conspiracy to withhold data

There's more. Emails appear to indicate that the clique conspired to ensure that data was kept from other researchers who requested such data via Freedom of Information Acts in both the UK and the USA. This is extremely vexatious because it prevents other scientists from checking the conclusions.

For instance, in one email Phil Jones says "The two MMs [McKitrick and McIntyre] have been after the Climatic Research Unit's data for years. If they ever hear there is a Freedom of Information Act now in the UK, I think I'll delete the file rather than send it to anyone". In other emails Tom Wigley discusses how they could deal with UK Freedom of Information laws, and Jones suggests using technical arguments to avoid complying, for example by saying the data was covered by agreements with outsiders, which agreements the Climate Research Unit would then be "hiding behind". Jones adds that they were co-ordinating themselves to resist Freedom of Information laws.

Another response was to simply brush off any request for the data. For instance, when Warwick Hughes asked for the data and method that Jones used to support his claim of a 0.6C temperature rise since the end of the 19th century, Jones responded "We have 25 years or so invested in the work. Why should I make the data available to you when your aim is to try and find something wrong with it?"

Christopher Monckton makes the point: "Data destruction, as they [the clique at the Climatic Research Unit] are about to find out to their cost, is a criminal offence. They are not merely bad scientists -- they are crooks. And crooks who have perpetrated their crimes at the expense of British and US taxpayers". He was not joking -- in response to the scandal (which has been well aired in British newspapers but less so in Australian newspapers), Phil Jones was stood down while an "inquiry" (ie the inevitable whitewash) was carried out.

Dishonesty

Particularly damning are the emails that appear to show the clique knew the Earth was cooling even as they conspired to prevent this information getting out. For example Phil Jones explains how he used Michael Mann's "trick of adding in the real temps to each series" to "hide the decline". Apparently Mann knew full well that the planet was cooling. In another email, Tim Osborn discusses how data can be truncated to stop an apparent cooling trend showing up in the results.

In another email, Ken Briffa confesses "I know there is pressure to present a nice tidy story as regards apparent unprecedented warming in a thousand years or more in the [temperature] data, but in reality the situation is not quite so simple -- I believe that the recent warmth was probably matched about 1000 years ago". This clearly undermines the IPCC's argument that current global warming is "unprecedented". In fact Michael Mann attempted to remove this earlier warm period using his infamous and now thoroughly discredited "hockey stick" graph. Similarly, one of the team (possibly Dr Jonathan Overpeck) had stated previously to Professor David Deming "We must get rid of the Medieval Warm Period".

Michael Mann's hockey stick graph (shown in red) appears to show that the Earth's temperature was stable from 1400 to 1900. There is then a dramatic rise (like the end of a hockey stick) that was claimed to be due to carbon dioxide emissions. This graph was heavily promoted by Al Gore and his supporters, and by the IPCC whose 2001 *Summary for Policymakers* claimed "that the 1990s has been the warmest decade and 1998 the warmest year of the millennium".

It is now known that the data had been carefully fudged to remove an inconvenient truth, namely the Medieval Warm Period, when the world was warmer than today. The true variation (shown in blue) includes the tail end of the Medieval Warm Period centuries before carbon dioxide reached its present levels. It is easy to see the problems: (1) If the world in medieval times could be warm from natural causes that had nothing to do with carbon dioxide, the 20th century increase could be the same. (2) The present increase in temperature can hardly be considered hazardous when even larger increases happened in the past. (3) The Australian government says there is no credible evidence against man-made warming. But they provide no empirical evidence in favour of it.

Eventually the IPCC quietly dropped the hockey stick graph, claiming (contrary to the evidence) that the medieval warming was local and not global. The above graph was not in my original letter and has been redrawn from S McIntyre & R McKittrick (2003), Corrections to the Mann et al (1998) proxy data base and Northern Hemispheric average temperature series, *Energy & Environment*, 14(6), 751-771. See previous graph for changes showing global cooling since 2001.

Another incriminating email is by Dr Trenberth, a climatologist at the US Centre for Atmospheric Research and lead author for the 2001 and 2007 IPCC assessments. He says "The fact is that we can't account for the lack of warming at the moment [this lack was of course completely contrary to what the IPCC was claiming], and it is a travesty that we can't". Similarly, exchanges between Wigley and Mann suggest that they not only knew the planet was not warming but they knew little about the energy sinks involved: "What you said was 'we can't account for the lack of warming at the moment'. Now you say 'we are nowhere close to knowing where the energy [which should be causing warming] is going. In my eyes these are two different things -- the second relates to our level of understanding, and I agree that this is still lacking".

Pressurising critical journal editors

The apparent dishonesty doesn't end there. Emails appear to indicate that the peer-review process for journal articles was influenced by the same clique of scientists. In one email, Phil Jones writes to Michael Mann and asks if the work of academics who question the link between human activities and global warming deserve to make it into the IPCC report, implying that they should be kept out. Jones writes "Kevin [Trenberth] and I will keep them out somehow -- even if we have to redefine what the peer-review literature is!".

In another email, Jones and Mann discuss how they can pressure an academic journal not to accept the work of climate skeptics with whom they disagree. For instance, Tom Wigley complained that Professor Hans von Storch, from the Meteorological Institute of the University of Hamburg, was partly to blame for papers critical of man-made global warming being published in the journal *Climate Research*. Wigley suggested they tell its publishers that the journal was being used for misinformation. He also said that whether this

was true or not didn't matter -- they needed to stop skeptical articles, if necessary by getting the editorial board to resign.

And in some cases they succeeded. For instance, when McIntyre (one of the two Ms previously referred to) published a skeptical paper in *Geophysical Research Letters* in 2005, Michael Mann challenged the editor James Saiers over the publication. Tom Wigley said that if the editor was skeptical about man-made global warming they should get him ousted. And in fact the editor did move on.

Future of the IPCC

Michael Mann sums up his pro-IPCC position in a damning email to Jones and Schmidt: "As we all know, this [climate debate] isn't about truth at all, its about plausibly deniable accusations". Some legislators have now asked that funding be withheld until the Pennsylvania State University takes action against Mann. Dr Eduardo Zorita, senior scientist at the Institute for Coastal Research in Germany and IPCC author (one of the few good guys) has stated publicly that Mann, Jones and others should be banned from the IPCC process because "The scientific assessments in which they may take part are not credible anymore".

Professor Mike Hulme from the University of East Anglia (the same university that houses the Climate Research Unit) suggests that "The IPCC has run its course. The tribalism that some of the leaked emails display ... is not attractive when we find it at work inside science". But it is worse than that. The IPCC Reports are the foundation for Australia's Garnaut Report and for the Kyoto and the Copenhagen Accord. It seems likely that all are based on questionable science and massaged data.

Changing position because of the evidence

British journalist George Monbiot, environmental and political activist and one of the fiercest media propagandists for man-made global warming, has now reversed his position in light of the damning evidence. "It's no use pretending that this isn't a major blow. The emails ... from the Climate Research Unit at the University of East Anglia could scarcely be more damaging. I am now convinced that they are genuine, and I'm dismayed and deeply shaken by them". He goes further: "I apologise. I was too trusting of some of those who

provided the evidence I championed. I would have been a better journalist if I had investigated their claims more closely".

More recently London's Science Museum has revised the contents of its new £4 million climate science gallery. Previously it had pushed the idea of man-made global warming. Now it is neutral, accepting that there are legitimate doubts about man-made effects. Even the gallery's name has been changed from *Climate Change Gallery* to *Climate Science Gallery* to avoid being seen as taking sides. These changes by the 100-year-old museum shows how deeply scientific institutions have been shaken by public reactions to the damaging emails.

The same is shown by Germany's Leibnitz Association, an umbrella group that includes among its members several climate research institutions. It has called for the resignation of the IPCC's president Rajendra Pachauri.

Where does this leave the Australian government?

At present, the Australian government's quest still appears to be the ridiculous (and forlorn) hope of manipulating global temperatures by tweaking the pitifully small amount of carbon dioxide that Australian industries emit. Which is small compared with the many natural sources such as volcanoes, decomposition of organic matter, release of dissolved carbon dioxide by a warming ocean, and the breakdown of limestone (ie carbonate) rocks. Furthermore carbon dioxide is a minor greenhouse gas compared with water vapour (see next); and in the Earth's past its concentration was orders of magnitude higher with no associated warming.

The present level of carbon dioxide is 0.039%, of which only about one thirtieth is man-made, whereas the level of water vapour is around 1%. So even large changes in carbon dioxide are not going to have much effect. It is difficult to see how Australia's Chief Scientist could believe that, by tweaking the low levels of man-made carbon dioxide, we can "keep the overall level of global warming at 2 degrees average".

I can understand how some scientifically illiterate politicians might want us to believe we have found a "magic" planetary thermostat, but this is not the thinking I would expect of Australia's Chief Scientist.

Let me come back to the point you made to Peter Mares about advice that the Chief Scientist should be giving to the government, namely "The government shouldn't be surprised by any advice. That is to say that we consult carefully before giving it".

I hope you will now look closely at the growing international scandal about the IPCC's abuse of science, and at those who stand to make a great deal of money from emissions trading. I also hope you will inform the government of the 900+ peer-reviewed published papers which challenge the notion of man-made global warming but which were ignored by the IPCC. For example, Tedesco and Monaghan have recently published an article in the journal *Geophysical Research Letters*, showing that the ice melt during the Antarctic summer of 2008-2009 was the lowest ever recorded in satellite data history. Let me know if you would like the full list. Anything less would not match your claim of "consulting carefully".

To your credit, I note how you have recently stated that challenges to the notion of man-made global warming deserve more attention.

Sincerely.

Dr John Happs

[No reply or acknowledgement had been received from Professor Sackett]

Postscript

Early in 2010, the 350-year-old Royal Society, Britain's leading scientific institution, was accused by 43 of its Fellows of refusing to listen to dissenting views about man-made causes of global warming.

Later, in May 2010, the Society made a U-turn, saying "Any public perception that the science [of global warming] is somehow fully settled is wholly incorrect -- there is always room for new observations, theories, measurements." This statement contradicted a comment by the Society's previous president, Lord May, who claimed "The debate on climate change is now over." It also contradicted the Royal Society's 2005 publication *A guide to facts and fictions about climate change*, which denounced twelve "misleading arguments" that now seem far from misleading.

Sir Alan Rudge, a Fellow of the Society and former member of the UK Government's Scientific Advisory Committee, said the Society had adopted

an "unnecessarily alarmist position" on climate change. He added "One of the reasons [retired] people like myself are willing to put our heads above the parapet is that our careers are not at risk ... [just] because we say the science is not settled. The bullying of people into silence has unfortunately been effective."

The Society duly appointed a panel to rewrite its official position on global warming, and in September 2010 the panel published a new guide *Climate change: a summary of the science* that (it says) "lays out clearly" the areas that are certain, moderately certain, or uncertain. But follow the money. The Society is partially funded by the British Government, so it is not going to let science stand in the way of funding. And indeed, its new guide fails to deliver.

Instead of clearly saying things like "there is agreement (or disagreement) on X", which is surely not an impossible task, it waffles on about "observations are scarce" or "current understanding indicates...", or it obfuscates by referring to improved data such as satellite data without saying what the data show, or to "evidence from ice cores indicates an active role for CO₂" without mentioning that historical CO₂ levels rise and fall hundreds of years *after* temperature changes, which of course is the wrong way round, all of which leaves you to do all the work. Dissenting views are never described. There are just two references, one of which is the IPCC, and the other quotes the IPCC.

It gets worse. The guide was written by a 13-person working group, most of them FRS's. It received input or reviews from 18 others, most of them FRS's, none of whom were asked to endorse the conclusions. They might not have endorsed even if asked, because the conclusions support the IPCC's claim that the present global warming is man-made. More specifically, the guide takes the observed climate, subtracts what the far-from-certain models predict without man-made inputs, and confidently declares that the difference must be man-made. It never points out that this is precisely what the dispute is all about, nor why we should believe the Royal Society rather than equally well qualified dissenters, or why just four months earlier it

had stated that seeing the matter as "somehow fully settled is wholly incorrect". Two U-turns in a row?

Dispute continues

And the dispute continues to grow. Most bookshops have a choice of titles disputing the IPCC's conclusions, such as the best-selling *SuperFreakonomics* (2010) which has an especially powerful chapter demolishing the IPCC, and Ian Plimer's *Heaven+Earth*(2009) that does the same in exquisite detail backed by over 2000 references. To illustrate their no-nonsense titles, here are some more examples and their authors published during 2008 and 2009 (* indicates those written by scientists who really know the field). Google the titles to learn more:

Climate Change Reconsidered: The Report of the Nongovernmental International Panel on Climate Change (Singer & Idso 2009*). ***Global Warming False Alarm: The Bad Science Behind the United Nation's Assertion that Man-Made CO₂***

Causes Global Warming (Alexander 2009). ***Air Con: The Seriously Inconvenient Truth About Global Warming*** (Wishart 2009). ***Climate of Extremes: Global Warming Science They Don't Want You to Know*** (Michaels 2009*). ***The Sky Is Not Falling: Putting Climate Change on Trial*** (Wiskel 2008). ***Taken by Storm: The Troubled Science, Policy and Politics of Global Warming*** 2nd Edition (Essex & McKittrick 2008*). ***Unstoppable Global Warming -- Every 1500 Years*** Updated Edition (Singer & Avery 2008*). ***Red Hot Lies: How Global Warming Alarmists use Threats, Fraud, and Deception to Keep You Misinformed*** (Horner 2008). ***The Deniers: The World-Renowned Scientists who stood up against Global Warming Hysteria, Political Persecution and Fraud*** (Solomon 2008*). ***Climate Confusion: How Global Warming Hysteria leads to Bad Science, Pandering Politicians and Misguided Policies that Hurt the Poor*** (Spencer 2008*).

Recently *Scientific American* (a strong IPCC supporter) polled its readers via its website. Of over 7000 respondents, 83.8% think the IPCC is "a corrupt organization, prone to groupthink, with a political agenda", 69.4% think we should do nothing about climate change

since "we are powerless to stop it", and 68.0% think governments should keep science out of the political process. When asked "How much would you be willing to pay to forestall the risk of catastrophic climate change?", 79.6% said "nothing". *Scientific American* subsequently claimed the poll was hijacked by referrals from [Watts Up With That?](#), the most visited (over 2 million hits per month) and arguably the most informative climate website, albeit a dissenting one, in which case why did *Scientific American* publish the results in the first place?

Even more recently the total of dissenting international scientists exceeded 1000, among them 46 climate specialists who once worked for the IPCC but have now resigned or become dissenters. Here are six examples of their views:

Dr Vincent Gray: "The [IPCC] climate change statement is an orchestrated litany of lies." **Dr Mike Hulme:** "Claims such as '2,500 of the world's leading scientists have reached a consensus that human activities are having a significant influence on the climate' are disingenuous ... The actual number of scientists who backed that claim was only a few dozen." **Dr Chris Landsea:** "I cannot in good faith continue to contribute to a process that I view as both being motivated by pre-conceived agendas and being scientifically unsound." **Dr Richard Lindzen:** "The IPCC process is driven by politics rather than science. It uses summaries to misrepresent what scientists say and exploits public ignorance." **Dr Fred Singer:** "Isn't it remarkable that the Policymakers Summary of the IPCC report avoids mentioning the satellite data altogether, or even the existence of satellites -- probably because the data show a (slight) cooling over the last 18 years, in direct contradiction to the calculations from climate models?" **Dr David Wojick:** "The public is not well served by this constant drumbeat of alarms fed by computer models manipulated by advocates."

Remember these are not crackpot deniers but climate specialists who once worked for the IPCC. Nor are they the only group of informed scientists who are criticising the IPCC's findings -- there are at least a dozen others such as The Heidelberg Appeal with 4000 signatures including 62 Nobel prizewinners, and The Oregon Petition with 31,000 accredited scientists. All 1000+ views, and all of the original material mentioned above, can be reached by Googling "Royal Society

climate change", "Scientific American climate poll", "climate change Watts up with that", and "climate change 1000 scientists dissent". Or visit Wikipedia, which should be trustworthy now that the previous climate administrator William Connolley, a Green Party activist in Britain, has been sacked for deliberately altering or suppressing thousands of submissions to make them more favourable to man-made global warming.

An article by Lawrence Solomon in Canada's *Financial Post* for 20 December 2009 entitled **How Wikipedia's green doctor rewrote 5428 climate articles** spelt out the details, which included: "When Connolley didn't like the subject of a certain article, he removed it -- more than 500 articles of various descriptions disappeared at his hand. When he disapproved of the arguments that others were making, he often had them barred -- over 2000 Wikipedia contributors who ran afoul of him found themselves blocked from making further contributions. Acolytes whose writings conformed to Connolley's global warming views, in contrast, were rewarded with Wikipedia's blessings. In these ways, Connolley turned Wikipedia into the missionary wing of the global warming movement." Google "William Connelley" for more.

Computer uncertainty

The uncertainty of computer climate models is a fact of life. It is guaranteed by the engulfing complexity of climate, the absence of reliable historical data (that is, direct data like temperatures as opposed to indirect data like tree rings), and the many areas of expertise required like the temperature effects of oceans or clouds or greenhouse gases, the study of ice cores or tree rings or solar cycles, to name only a few, each of which represents an entire discipline. The UK Met Office with its £33 million supercomputer predicted a scorching summer for the UK in 2009 (it was a washout) and a warm winter for 2010 (it was the coldest since Central England Temperature records began in 1659).

In the UK skepticism is now the prevailing public sentiment. The European and global financial crisis has focussed attention on the insanity of squandering \$45 trillion (\$45,000,000,000,000) on a possibly imaginary threat, whose only sure outcome is to make carbon traders billionaires. In March 2010 London's famous Science

Museum, aware of discontent about one-sided views in its *Climate Change Gallery*, changed its name to the *Climate Science Gallery* in which skeptic views are welcome.

Research Team Slams Global Warming Data In New Report: “Not A Valid Representation Of Reality... Totally Inconsistent With Credible Temperature Data”

Mac Slavo

July 14th, 2017

[SHTF Plan - When It Hits The Fan, Don't Say We Didn't Warn You](#)

[Comments \(140\)](#)

According to the report, which has been peer reviewed by administrators, scientists and researchers from the U.S. Environmental Protection Agency (EPA), The Massachusetts Institute of Technology (M.I.T.), and several of America’s leading universities, the data is completely bunk

‘STUDY BLOWS 'GREENHOUSE THEORY OUT OF THE WATER'

'All observed climatic changes have natural causes completely outside of human control'

The paper, [published recently in the journal “Environment Pollution and Climate Change,”](#) was written by Ned Nikolov, a Ph.D. in physical science, and Karl Zeller, retired Ph.D. research meteorologist.

Karl Zeller Ned Nikolov

They conclude the entire greenhouse gas theory is incorrect.

Instead, the earth’s “greenhouse” effect is a function of the sun and atmospheric pressure, which results from gravity and the mass of the atmosphere, rather than the amount of greenhouse gases such as CO₂ and water vapor in the atmosphere.

The same is true for other planets and moons with a hard surface, the authors contend, pointing to the temperature and atmospheric data of various celestial bodies collected by NASA.

So precise is the formula, the authors of the paper told WND, that, by using it, they were able to correctly predict the temperature of other celestial bodies not included in their original analysis.

That theory, which underpins the anthropogenic global-warming hypothesis and the climate models used by the United Nations, was first proposed and developed in the 19th century.

However, the experiments on which it was based involved glass boxes that retain heat by preventing the mixing of air inside the box with air outside the box.

[*The truth about global warming is no further than the WND Superstore, where “Climategate,” “The Greatest Hoax,” and more publications are available.*](#)

The experiment is not analogous to what occurs in the real atmosphere, which does not have walls or a lid, according to Nikolov and Zeller.

The new paper, headlined “New Insights on the Physical Nature of the Atmospheric Greenhouse Effect Deduced from an Empirical Planetary Temperature Model,” argues that greenhouse theory is incorrect.

“This was not a pre-conceived conclusion, but a result from an objective analysis of vetted NASA observations,” Nikolov told WND.

The real mechanisms that control the temperature of the planet, they say, are the sun’s energy and the air pressure of the atmosphere. The same applies to other celestial bodies, according to the scientists behind the paper.

To understand the phenomena, the authors used three planets – Venus, Earth and Mars – as well as three natural satellites: the Moon of Earth, Titan of Saturn and Triton of Neptune.

They chose the celestial bodies based on three criteria: having a solid surface, representation of a broad range of environments, and the

existence of reliable data on temperature, atmospheric composition and air pressure.

“Our analysis revealed a poor relationship between global mean annual temperature] and the amount of greenhouse gases in planetary atmospheres across a broad range of environments in the Solar System,” the paper explains.

“This is a surprising result from the standpoint of the current Greenhouse theory, which assumes that an atmosphere warms the surface of a planet (or moon) via trapping of radiant heat by certain gases controlling the atmospheric infrared optical depth,” the study continues.

The paper outlines four possible explanations for those observations, and concludes that the most plausible was that air pressure is responsible for the greenhouse effect on a celestial body.

In essence, what is commonly known as the atmospheric “greenhouse” effect is in fact a form of compression heating caused by total air pressure, the authors told WND in a series of e-mails and phone interviews, comparing the mechanics of it to the compression in a diesel engine that ignites the fuel.”

And that effect is completely independent of the so-called “greenhouse gases” and the chemical composition of the atmosphere, they added.

“Hence, there are no greenhouse gases in reality – as in, gases that can cause warming,” Nikolov said when asked to explain the paper in layman’s terms.

“Humans cannot in principle affect the global climate through industrial emissions of CO₂, methane and other similar gases or via changes in land use,” he added. “All observed climatic changes have natural causes that are completely outside of human control.”

For the first time, Nikolov said, there is now empirical evidence from NASA data that the greenhouse effect of the atmosphere is not caused by the trapping of heat, but by the force of atmospheric pressure.

The pressure is the weight of the atmosphere, he added.

And the combination of gravity and the mass of the atmosphere explains why the Earth, for example, is warmer than the moon.

“The moon receives about the same amount of heat from the sun as Earth, yet it is 90 degrees [Celsius] colder than the Earth, because it has no atmosphere,” Nikolov explained.

Read more at [Study blows 'greenhouse theory out of the water' - WND](#)

What it all means for science and the climate debate

This is not the first paper to reject the greenhouse-gas theory entirely.

In 2009, for example, Gerhard Gerlich and Ralf Tscheuschner published a paper titled “Falsification of the Atmospheric CO₂ Greenhouse Effects Within The Frame Of Physics” in the International Journal of Modern Physics.

They wrote that the “atmospheric greenhouse effect” that “is still supported in global climatology” basically “describes a fictitious mechanism.” The second law of thermodynamics, they said, shows that “can never exist.”

However, their paper did not propose a mechanism to explain the higher temperature of Earth relative to the moon.

The new paper by Nikolov and Zeller does propose such a mechanism – atmospheric pressure.

If correct, the implications of the discovery would be enormous, multiple scientists told WND.

For one, it means the climate projections used to forecast warming doom and justify a wide range of policies are completely wrong.

That is because they were produced by computer models built around a “physically deeply flawed concept, the radiative greenhouse theory,” said Nikolov, who works as a federal scientist but did the new study completely on his own time.

“One major implication of our recently published study is that there is indeed a fundamental problem with the physics of current radiative

greenhouse concept,” he told WND, highlighting assumption, it was never shown experimentally, and our results show this is completely wrong,” Nikolov said. “Our study blows the greenhouse theory completely out of the water. There is nothing left.”

“Hence, the public debate on climate needs now to shift focus to the fact that the basic science concept underlying current climate projections by the UN [Intergovernmental Panel on Climate Change] IPCC and other international bodies is physically flawed,” Nikolov added, saying the new findings require a “fundamental overhaul of climate science” and that Earth may be heading for a cooling period.

“This is what the data shows,” he said. “We didn’t start with a theory, we started with the data, which is the opposite of how the greenhouse theory came about.”

The greenhouse theory, Nikolov explained, is based on the assumption that a free convective atmosphere – an atmosphere with no “lid” on it – can trap heat.

“This was an assumption born out of a misinterpretation of experiments involving glass boxes in the early 19th century by Joseph Fourier, a French mathematician,” he said.

“Glass boxes get warmer inside when exposed to the sun not because they trap long-wave radiation, as thought by Fourier, but because they hamper the exchange of air between the inside of a box and the outside environment,” he added.

Next came Svante Arrhenius, a Swedish scientist, who assumed Fourier was correct and in 1896 created an equation to calculate the Earth’s temperature based on CO₂ in the atmosphere.

“This equation is both mathematically and physically wrong,” argued Nikolov. “Yet, this paper is still cited as ‘evidence’ that the physics of the greenhouse effect have been well-known for over 100 years.”

The atmosphere does, indeed, increase heat near the surface of celestial bodies.

The truth about global warming is no further than the WND Superstore, where “Climategate,” “The Greatest Hoax,” and more publications are available.

“But until our paper, the mechanism to explain this – pressure – was not known,” Nikolov continued. “All of the climate science has been based on these false assumptions, all the computer models were based on the assumption, but it’s incorrect.”

Zeller, a retired U.S. Air Force reserve colonel and a retired research meteorologist who worked for the U.S. Forest Service and NOAA, also said that the monumental implications of the findings would extend even beyond the climate debate.

“The implications, beyond the scientific ones, of this study, are that once understood, it may be an opportunity for healing by looking back and seeing that even in this day and age science can be wrong,” he told WND.

“Possibly this will demonstrate that the world’s peer-review system needs to be rethought so that it doesn’t continue retarding the advancement of human evolution: Medicine, pharmaceuticals, cancer cures, proper dietary guidance, etc. are all hampered by combinations of greed and strongly held beliefs,” he added.

In terms of advancing scientific inquiry, “our formula, if we can get it out there to the world, is going to open up all sorts of new lines of research,” Zeller continued.

Among other examples, he noted that if the formula is applied to the earth’s temperature record stretching back to previous warm and cold periods, it would explain everything from the observed reduced differences in temperature between the earth’s poles and the equator, to how pterodactyls could fly despite the physics of flight not working based on today’s atmospheric density.

While describing himself as a “flaming, bleeding heart liberal,” Zeller noted that this should all be about science, not politics.

“This climate controversy is costing billions, making the wrong folks rich, and keep us from solving real environmental problems,” he explained.

Read more at <http://www.wnd.com/2017/07/study...>

Comment

tomomason 1. June 2017 at 2:05 PM | [Permalink](#)

Remember this world is NOT a greenhouse but a robust wet and windy planet with much surface water, some land, and a thin envelope of atmospheric gases around it. This atmosphere is not static but dynamic and will rapidly change shape as external conditions dictate.

This planet is also the home of complex organic life for the best part of 4 billion years.

The basic premise that all this global warming founders is that heating or cooling the planet is somehow and isolated event. It is not.

If the planet is heated or cooled (even by the smallest amount), rapid physical changes take place mostly because of the enormous amount of water on the planet.

The atmosphere changes from the global through to macro scale, with changes in movement (in velocity and direction); in volumes, and in mass(humidity). Similarly such things happen to the oceans albeit at a slower pace.

This planet and its processes are a dynamic inter-coupling of natural systems, and as these rapid changes take place slower, systematic biologic changes occur. These biological changes ensure that nature traps all energy it requires to maximally flourish from moment to moment.

Reducing the planet to a theoretical rock with an atmosphere is scientific reductio ad absurdum.

[3 Chemists Conclude CO₂ Greenhouse Effect Is 'Unreal', Violates Laws Of Physics, Thermodynamics](#)

[B. Another New Paper Dismantles The CO₂ Greenhouse Effect 'Thought Experiment'](#)

By [Kenneth Richard](#) on

25. September 2017

Dr. Gerhard Kramm

Atmospheric Scientists: Greenhouse Effect

Based On ‘Physically Irrelevant Assumptions’

Atmospheric scientists [Dr. Gerhard Kramm](#), [Dr. Ralph Dlugi](#), and [Dr. Nicole Mölders](#) have just published a paper in the journal *Natural Science* that exposes the physical and observational shortcomings of the widely-accepted $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect equation. They conclude that this “though experiment” is “**based on physically irrelevant assumptions and its results considerably disagree with observations**”.

The scientists offer a new approach to gauging the Earth’s surface temperature(s), and their results are significantly at variance with the $288\text{ K} - 255\text{ K} = 33\text{ K}$ “thought experiment”. For their calculations, they use observational measurements for the moon — which actually does not have an atmosphere — as their “testbed”. Using moon data would appear to yield more reliable results than an imaginary-world Earth with no atmosphere.

The following is a very abbreviated summary of these scientists’ conclusions about calculating Earth’s mean temperatures.

[Kramm et al., 2017](#)

The planetary radiation balance plays a prominent role in quantifying the effect of the terrestrial atmosphere (spuriously called the atmospheric greenhouse effect). Based on this planetary radiation balance, the effective radiation temperature of the Earth in the absence of its atmosphere of $T_e \cong 255\text{ K}$ is estimated. This temperature value is subtracted from the globally averaged near-surface temperature of about $\langle T_{ns} \rangle \cong 288\text{ K}$ resulting in $\langle T_{ns} \rangle - T_e \cong 33\text{ K}$. This temperature difference commonly serves to quantify the atmospheric effect. The temperature difference is said to be bridged by optically active gaseous gases, namely H_2O (20.6 K); CO_2 (7.2 K); N_2O (1.4 K); CH_4 (0.8 K); O_3 (2.4 K);

$NH_3 + \text{freons} + NO_2 + CCl_4 + O_2 + N_2$
(0.8 K) (e.g. Kondratyev and Moskalenko, 1984).

Since the **“thought experiment” of an Earth in the absence of its atmosphere** does not allow any rigorous assessment of such results, we considered the Moon as a testbed for the Earth in the absence of its atmosphere. [...] Based on our findings, we may conclude that **the effective radiation temperature yields flawed results when used for quantifying the so-called atmospheric greenhouse effect**. The results of our prediction of the slab (or skin) temperature of the Moon exhibit that **drastically different temperature distributions are possible even if the global energy budget is identical**. These different temperature distributions yield different globally averaged slab temperatures. [...] These [“drastically different temperature distributions” using the same global energy budget parameters, described in detail in the paper] values demonstrate that **the power law of Stefan and Boltzmann provides inappropriate results when applied to globally averaged skin temperatures**.

It is well known from physics that the mean temperature of a system is the mean of the size-weighted temperatures of its sub-systems. Temperature is an intensive quantity. It is not conserved. On the contrary, energy is an extensive quantity. Energies are additive and governed by a conservation law. Thus, **one has to conclude that concept of the effective radiation temperature oversimplifies the physical processes as it ignores the impact of local temperatures on the fluxes in the planetary radiative balance**.

Instead of focusing on the technicalities of these authors' Earth-temperature calculations using moon data, it's important to call attention to the 5-point critique of the $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect equation outlined in the introduction to the Kramm et al. (2017) paper. The very first criticism listed is, by itself, worth expounding upon in detail. Here it is:

(1) **“Only a planetary radiation budget of the Earth in the absence of an atmosphere is considered, i.e., any heat storage in the oceans (if at all existing in such a case) and land masses is neglected.”**

This is crucial. Not only is the heating contribution of the water vapor-and-CO₂ greenhouse effect viewed as a “thought experiment” because it uses an imaginary world without an atmosphere as its premise, the $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect equation only considers a radiation budget analysis that pertains to *atmospheric* heating, not ocean heating. This is theoretical negligence, as it is tantamount to claiming that we should measure the temperature of a person’s spit to accurately determine his overall body temperature.

According to the IPCC (citing [Levitus et al., 2012](#)), **93% of the Earth’s heat energy resides in the oceans**. The atmosphere hosts just [1% of the Earth’s heat energy “trapped” by greenhouse gases](#). To be physically meaningful, then, the Earth’s energy budget and “mean global temperature” should be calculated by featuring measurements for the thousands-of-meters-deep oceans, and *not* the atmosphere vs. no-atmosphere conceptualization

Furthermore, it is essential to consider that the heat flux for the Earth’s climate system nearly always goes from ocean to atmosphere, and not the other way around. The atmosphere does not warm the oceans; the oceans warm the atmosphere.

[Ellsaesser, 1984](#) : “...*the atmosphere cannot warm until the oceans do*“

[Murray et al., 2000](#) : “...*net surface heat flux is almost always from ocean to atmosphere*“

[Minnett et al., 2011](#) : “...*the heat flux is nearly always from the ocean to the atmosphere*“

And because the direction of the heat flux is from ocean to atmosphere, for greenhouse gases like water vapor and CO₂ to warm the *atmosphere* by 33 K, they necessarily must heat the *oceans* by that equivalent first. In other words, for the Earth’s theoretical greenhouse effect to “work”, downwelling longwave infrared radiation (LWIR) from water vapor and CO₂ must be fundamental players in heating the Earth’s oceans to depths of thousands of meters.

An unheralded problem with this conceptualization arises: *We have no physical measurements from a real-world scientific experiment*

that identify how much, if at all, parts per million (0.000001) increases (or decreases) in atmospheric CO₂ concentrations heat (or cool) water bodies.

Even the anthropogenic global warming (AGW) advocacy blogs [RealClimate](#) and [Global Warming and Climate Change skepticism examined](#) acknowledge that we have no real-world evidence identifying the extent to which heat changes occur in water bodies when CO₂ concentrations are varied in volumes of +/- 0.000001 above them. We have to use proxy evidence from clouds instead.

[RealClimate.org](#) : ***“Clearly it is not possible to alter the concentration of greenhouse gases in a controlled experiment at sea to study the response of the skin-layer. Instead we use the natural variations in clouds to modulate the incident infrared radiation at the sea surface.”***

[SkepticalScience.com](#) : ***“Obviously, it’s not possible to manipulate the concentration of CO₂ in the air to carry out real world experiments, but natural changes in cloud cover provide an opportunity to test the principle [that CO₂ heats water].”***

And the problem with using clouds as a proxy for CO₂ is that even very small (1%) cloud cover variations can quite easily overwhelm and supersede the greenhouse effect associated with changes in CO₂ concentrations due to the magnitude and dominance of cloud LWIR forcing.

[Ramanathan et al. \(1989\)](#) : ***“The greenhouse effect of clouds may be larger than that resulting from a hundredfold increase in the CO₂ concentration of the atmosphere.”***

[RealClimate.org](#) : ***“Of course the range of net infrared forcing caused by changing cloud conditions (~100 W/m²) is much greater than that caused by increasing levels of greenhouse gases (e.g. doubling pre-industrial CO₂ levels will increase the net forcing by ~4 W/m²)”***

Using clouds as a proxy for CO₂ in assessing how CO₂ concentration changes affect water temperatures is therefore *not* comparing apples to apples in calculating their radiative significance, and thus any

experimental results using clouds can *not* be generalized or assumed to simulate the heating effects of CO₂ when varied over water bodies.

So we are left with an equation ($288\text{ K} - 255\text{ K} = 33\text{ K}$) that (a) is based upon a “thought experiment” using an imaginary world without an atmosphere; (b) claims to measure Earth’s temperatures, but doesn’t consider the temperatures of the Earth’s oceans as its primary parameter; and (c) *assumes* ppm changes in CO₂ concentrations heat or cool water bodies to a measurable degree when raised or lowered even though no physical measurements from a real-world scientific experiment exists to support such a claim.

And this is just point (1) in the Kramm et al. (2017) critique of the $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect equation. Four other criticisms of the “inadequate” equation are also listed below.

As these three atmospheric scientists conclude, the $288\text{ K} - 255\text{ K} = 33\text{ K}$ equation underlying the theoretical greenhouse effect “**lacks adequate physical meaning as do any contributions from optically active gaseous components calculated thereby**”.

Kramm et al. (2017) critical analysis of the $288\text{ K} - 255\text{ K} = 33\text{ K}$ greenhouse effect “thought experiment” (here referred to as *Equation 1.4*):

[Kramm et al., 2017](#)

(1) Only a planetary radiation budget of the Earth in the absence of an atmosphere is considered, i.e., any heat storage in the oceans (if at all existing in such a case) and land masses is neglected.

(2) The assumption of a uniform surface temperature for the entire globe is rather inadequate. As shown by [Kramm and Dlugi \(2010\)](#), this assumption is required by the application of the power law of Stefan (1879) and [Boltzmann \(1884\)](#) because this power law is determined by (a) integrating [Planck \(1901\)](#) blackbody radiation law, for instance, over all wavelengths ranging from zero to infinity, and (b) integrating the isotropic emission of radiant energy by a small spot of the surface into the adjacent half space (e.g., [Liou, 2002](#), [Kramm and Molders, 2009](#)). **These physical and mathematical reasons do not justify applying the**

Stefan-Boltzmann power law to a statistical quantity like $\langle T_{ns} \rangle$ [globally averaged near surface temperature]. Even in the real situation of an Earth with atmosphere, (near-)surface temperatures vary notably from the equator to the poles owing to the varying solar insolation at the top of the atmosphere and from daytime to nighttime. Consequently, the assumption of a uniform surface temperature is inadequate. Our Moon, for instance, nearly satisfies the requirements of a planet without atmosphere. It has a non-uniform surface temperature distribution with strong variation from lunar day to lunar night, and from its equator to its poles (e.g., [Cremers et al., 1971](#), [Vasavada et al., 2012](#)). Furthermore, ignoring heat storage would yield a Moon surface temperature during lunar night of 0 K (or 2.7 K, the temperature of the space).

(3) The choice of the planetary albedo of $\alpha_E = 0.30$ is rather inadequate. This value is based on satellite observations. Hence, it contains not only the albedo of the Earth's surface, but also the back scattering of solar radiation by molecules (Rayleigh scattering), cloud and aerosol particles (Lorenz-Mie scattering). [Budyko \(1977\)](#) already stated that in the absence of an atmosphere the planetary albedo cannot be equal to the actual value of $\alpha_E = 0.33$ (at that time [1977], but today $\alpha_E = 0.30$). He assumed that prior to the origin of the atmosphere, the Earth's albedo was lower and probably differed very little from the Moon's albedo, which is equal to $\alpha_M = 0.07$ (at that time [1977], but today $\alpha_M = 0.12$). A planetary surface albedo of the Earth of about $\alpha_E = 0.07$ is also suggested by the results of [Trenberth et al., 2009](#). Thus, assuming a planetary albedo of $\alpha_E = 0.07$ and a planetary emissivity of $\epsilon_M = 1$ (black body) in Equation (1.4) yields $T_e \cong 273.6$ K. For $\alpha_E = 0.12$ and $\epsilon_M = 1$, one obtains: $T_e \cong 270$ K. [Haltiner and Martin \(1957\)](#) explained the so-called atmospheric greenhouse effect by the difference between the Moon's surface temperature at radiative equilibrium and the globally averaged near-surface temperature of the Earth. They argued that the mean surface temperature of the Moon must satisfy the condition of radiative equilibrium so that $T_e \cong 266$ K.

(4) Comparing T_e [Earth's temperature without an atmosphere] with $\langle T_{ns} \rangle$ [Earth's globally averaged near surface

temperature] **is rather inappropriate because the meaning of these temperatures is quite different.** The former is based on an energy-flux budget at the surface even though it is physically inconsistent because of the non-uniform temperature distribution on the globe. Whereas the latter is related to globally averaging near-surface temperature observations made at meteorological stations (supported by satellite observations).

(5) The Moon's mean disk temperature of about 213 K retrieved at 2.77 cm wavelength by Monstein (2001) is much lower than $T_e \cong 270$ K which can be derived with the Moon's planetary albedo of $\alpha_M = 0.12$. Even though the Moon's mean disk temperature observed in 1948 by [Piddington and Minnett \(1949\)](#) is about 26 K higher than that of Monstein (2001), it is still 31 K lower than $T_e \cong 270$ K. **Despite the Moon is nearly a perfect example of a planet without atmosphere, some authors argued that Equations (1.3) and (1.4) are only valid for fast-rotating planets so that the Moon must be excluded. Other authors, however, applied these equations for Venus that rotates a factor of four slower than the Moon.** [Pierrehumber \(2011\)](#), for instance, used Equation (1.4) to calculate the temperature of the planetary radiative equilibrium for Venus. With $\alpha_V = 0.75\alpha$ and $\epsilon_V = 1$, he obtained $T_e \cong 231$ K. Choosing $\alpha_V = 0.12\alpha$ for the Venus in the absence of its atmosphere (which is similar to that of the Moon) yields $T_e \cong 317$ K and for $\alpha_V = 0.90$ as listed in [NASA's Venus Fact Sheet](#) $T_e \cong 184$ K.

(Equation 1.4) is **based on physically irrelevant assumptions and its results considerably disagree with observations.** Consequently, the difference of $\Delta T_{ae} \cong 33$ K [the alleged planetary temperature difference with the greenhouse effect] **lacks adequate physical meaning as do any contributions from optically active gaseous components calculated thereby.**

[Another New Paper Dismantles The CO₂ Greenhouse Effect 'Thought Experiment'](#)

Earlier research also discredits the relevance of the alarmist use of Green House Gases hypothesis.

Scrutinizing the atmospheric greenhouse effect and its climatic impact

DOI: [10.4236/ns.2011.312124](https://doi.org/10.4236/ns.2011.312124) 15,065 Downloads 36,460 Views [Citations](#)

[Gerhard Kramm](#), [Ralph Dlugi](#)

ABSTRACT

In this paper, we scrutinize two completely different explanations of the so-called atmospheric greenhouse effect: First, the explanation of the American Meteorological Society (AMS) and the World Meteorological Organization (WMO) quantifying this effect by two characteristic temperatures, secondly, the explanation of Ramanathan et al. [1] that is mainly based on an energy-flux budget for the Earth-atmosphere system. Both explanations are related to the global scale. In addition, we debate the meaning of climate, climate change, climate variability and climate variation to outline in which way the atmospheric greenhouse effect might be responsible for climate change and climate variability, respectively. In doing so, we distinguish between two different branches of climatology, namely 1) physical climatology in which the boundary conditions of the Earth-atmosphere system play the dominant role and 2) statistical climatology that is dealing with the statistical description of fortuitous weather events which had been happening in climate periods; each of them usually comprises 30 years. Based on our findings, we argue that 1) the so-called atmospheric greenhouse effect cannot be proved by the statistical description of fortuitous weather events that took place in a climate period, 2) the description by AMS and WMO has to be discarded because of physical reasons, 3) energy-flux budgets for the Earth-atmosphere system do not provide tangible evidence that the atmospheric greenhouse effect does exist. Because of this lack of tangible evidence it is time to acknowledge that the atmospheric greenhouse effect and especially its climatic impact are based on meritless conjectures.

KEYWORDS

[Physical Climatology](#); [Statistical Climatology](#); [Atmospheric Greenhouse Effect](#); [Earth-Atmosphere System](#)

Cite this paper

Kramm, G. and Dlugi, R. (2011) Scrutinizing the atmospheric greenhouse effect and its climatic impact. *Natural Science*, 3, 971-998. doi: [10.4236/ns.2011.312124](https://doi.org/10.4236/ns.2011.312124).

C.

C. Identification of the driving forces of climate change using the longest instrumental temperature record

New research confirms the view of leading climate scientists and scholars that trace amounts of Co₂ emissions are not destabilizing the planet. Co₂ is essential plant food and therefore green energy.

The authors Geli Wang & Peicai Yang and Xiuji Zhou are scientists at the CHINESE ACADEMY OF SCIENCE and **Chinese Academy of Meteorological Sciences, Beijing, China** 中国气象科学研究院

ANTHROPOGENIC (human activity). The driving forces are

“the El Niño–Southern Oscillation cycle and the Hale sunspot cycle, respectively.”

The title of the study published in the prestigious NATURE Journal is: **Identification of the driving forces of climate change using the longest instrumental temperature record**

<https://www.nature.com/articles/...>

Their study confirms THE DRIVING FORCES OF GLOBAL WARMING AND CLIMATE CHANGE ARE NATURAL

The “driving forces” of climate change are natural and not Co₂ plant food emissions. A new Chinese study confirms climate change comes from natural cycles. This research is based on the longest actual temperature data of more than 400 years from 1659 to 2013, including the period of anthropogenic warming.

Abstract

The identification of causal effects is a fundamental problem in climate change research. Here, a new perspective on climate change

*causality is presented using the central England temperature (CET) dataset, the longest instrumental temperature record, and a combination of slow feature analysis and wavelet analysis. The driving forces of climate change were investigated and **the results showed two independent degrees of freedom – a 3.36-year cycle and a 22.6-year cycle, which seem to be connected to the El Niño–Southern Oscillation cycle and the Hale sunspot cycle, respectively.** [Emphasis added]. Moreover, these driving forces were modulated in amplitude by signals with millennial timescales.*

James Matkin This research is very relevant and should make climate alarmists pause in their crusade against Co2 emissions from fossil fuels. Far too much focus on Co2 like a one trick pony in a big tent circus where solar radiation is a more compelling show. The thrust of recent research has demonstrated that climate changes continually and is determined by natural forces that humans have no significant control over. Many leading scientists have presented research of other "driving forces" and cautioned against the arrogance of many that "the science is settled." See Judith Curry of the Georgia Institute of Technology and blogger at Climate Etc. talks with EconTalk host Russ Roberts about climate change. Curry argues that climate change is a "wicked problem" with a great deal of uncertainty surrounding the expected damage as well as the political and technical challenges of dealing with the phenomenon. She emphasizes the complexity of the climate and how much of the basic science remains incomplete. The conversation closes with a discussion of how concerned citizens can improve their understanding of climate change and climate change policy. <http://www.econtalk.org/arc...>

<https://www.nature.com/articles/...>

JAMES MATKIN•2017-08-23 10:03 PM

The great failure of the Paris accord is the failure to accept that the IPCC Al Gore hypothesis of anthropogenic warming is not settled science. Indeed, none of the predictions of doom have occurred. New research confirms the view of leading climate scientists and scholars that trace amounts of Co2 emissions are not destabilizing the planet. Co2 is essential plant food and therefore green energy. The “driving

force” of climate change is natural and not Co2 plant food emissions. A new Chinese study confirms climate change comes from natural cycles. This research is based on the longest actual temperature data of more than 400 years from 1659 to 2013, including the period of anthropogenic warming. The authors Geli Wang & Peicai Yang and Xiuji Zhou are scientists at the CHINESE ACADEMY OF SCIENCE and Chinese Academy of Meteorological Sciences, Beijing, China 中国气象科学研究院 Their study confirms THE DRIVING FORCES OF GLOBAL WARMING AND CLIMATE CHANGE ARE NOT ANTHROPOGENIC (human activity). The driving forces are “the El Niño–Southern Oscillation cycle and the Hale sunspot cycle, respectively.” The title of the study published in the prestigious NATURE Journal is: Identification of the driving forces of climate change using the longest instrumental temperature record [Identification of the driving forces of climate change using the longest instrumental temperature record](#) This means that climate change cannot be stopped as Paris attendees believed. Co2 is very beneficial plant food and we need more not less. [Why climate change is good for the world | The Spectator](#) It is good news for civilization that the Paris targets are not being met around t

<https://www.nature.com/news/prov...>

There is no such consensus. In fact there was a serious divide between the IPCC scientists and the UN on the science of human caused climate change. The UN played the scientists for fools!

The 97% derives from a survey sent to 10,257 people of which the 3,146 respondents were further whittled down to 77 self selected climate “scientists “ of which 75 were judged to agree that human induced warming was taking place. What was the criteria for rejecting 3,069 respondents? There was no mention that 75 out of 3,146 is 0.03% We do not hear that 0.03% of climate scientists agreed that humans have played a significant role in changing climate despite the billions spent on climate research.

This offhand one time survey by a junior of a bunch of papers covering many different topics is silly research. Especially when more than 2000 paid scientists from around the world engaged by the UN to research the precise issue of what if any human effect is there on

the climate. Yes the 97% meme is a distraction as the real story is the science work of the IPCC summarized in 1995.

ZOMBIE STATISTIC

*It is often claimed that 97 per cent of scientists conclude that humans are causing global warming. Is that really true? No. It is a **zombie statistic**.*

In the scientific circles I mix in, there is an overwhelming scepticism about human-induced climate change. Many of my colleagues claim that the mantra of human-induced global warming is the biggest scientific fraud of all time and future generations will pay dearly.

If 97 per cent of scientists agree that there is human-induced climate change, you'd think they would be busting a gut to vanquish climate sceptics in public debates. Instead, many scientists and activists are expressing confected outrage at the possibility of public debates because the science is settled. After all, 97 per cent of scientists agree that human emissions drive global warming and there is no need for further discussion.

In my 50-year scientific career, I have never seen a hypothesis where 97 per cent of scientists [agree](#). It is often claimed that 97 per cent of scientists conclude that humans are causing global warming. Is that really true? No. It is a zombie [statistic](#). In the scientific circles I mix in, there is an overwhelming scepticism about human-induced climate change.

Ian Plimer

STATE OF THE CLIMATE REPORT - CLIMATISM

CONTRARY to popular thinking and clever marketing, there is no “[consensus](#)” on the theory of *dangerous man-made climate change*. Too many variables exist within the climate system to allow for [certainty of future scenarios](#).

THIS doesn't deter the [\\$2,000,000,000,000 US per year \(2 Trillion\)](#) *Climate Crisis Industry* who manufacture catastrophic climate scenarios (pushed far enough into the distant future as to not

be held accountable) with a guarantee of climate calamity unless their utopian 'green' dreams are realised.

CLIMATISM : 2019 State Of The Climate Report

This 97% meme gets far too much attention when the real issue is why have leaders like Al Gore lied about the support of the 2000 scientists employed in the IPCC Working Group failure to '**detect**' evidence of human caused warming.

From a [Charlie Rose](#) interview (4 November 2009):[\[2\]](#)

AL GORE: And even though it has gone through this exhaustive 20-year peer review process with the 3,000 best [scientists](#) in the world unanimously endorsing it, every national academy of sciences in a developed country on this planet endorsing it, still, based on some radio talk show host or some odd orthogonal argument...

*[Note: **I was the Alternate Canadian Delegate to the UN ILO meetings in Geneva in 1978** and witnessed first hand the artful and misleading machinations of this organization.]*

THE UN IPCC IS BUSTED

The Intergovernmental Panel on Climate Change – the IPCC – is the global authority on climate science and behind some of the most important policy changes in the history of industrial society. It is therefore probably the most influential scientific body in the world.

UN CONSIDERED DISMISSING THE IPCC SCIENCE BODY!

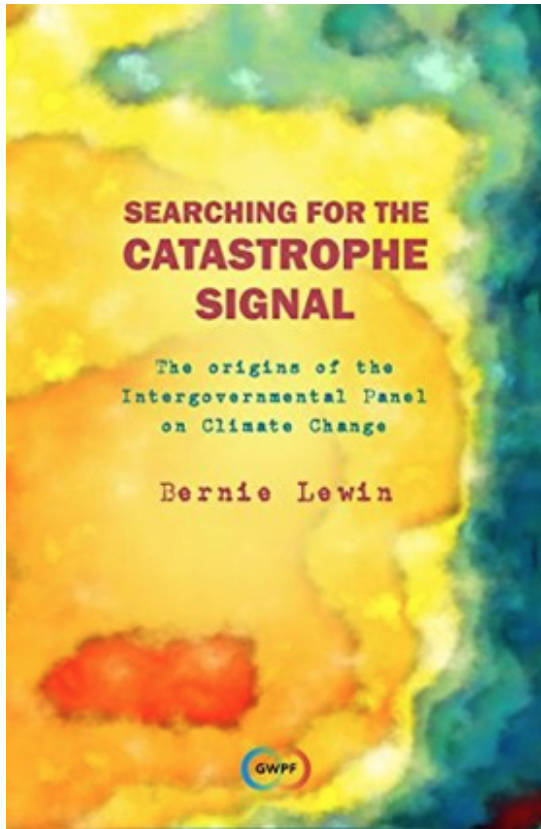
Did you know the UN almost dismissed the IPCC because their 'best scientists' as Gore says did not find human caused global warming after extensive research in 1990? After 5 years of research and discussion those 3000 best scientist concluded as follows -

In the 1995 2nd Assessment Report of the UN IPCC the *scientists* included these three statements in the draft:

1. "**None** of the studies cited above has shown clear evidence that we can attribute the observed (climate) changes to the specific cause of increases in greenhouse gases."

2. “**No study to date** has positively attributed all or **part** (of observed climate change) to anthropogenic (i.e. man-made) causes.”

3. “**Any claims of positive detection of significant climate change are likely to remain controversial** until uncertainties in the natural variability of the climate system are reduced.”



The story of the failure of the IPCC science to support the UN General Assembly is reported in detail by Bernie Lewin in the above recent book.

*However, in the rush towards a climate treaty, IPCC scientists continued to report that evidence of manmade climate change was scarce and that confirmation of a manmade effect should not be expected for decades. Without a `catastrophe signal' that could justify a policy response, **the panel faced its imminent demise.** ([less](#))*

The IPCC drama is played out as Lewin recites the struggle for power between the policy side headed by the G77 underdeveloped countries and the science side with thousands researching in Working Group 1. The G77 wanted to march forward quickly and get the climate

reparations from the rich nations like the US and Germany. They became very impatient with the scientists who had serious doubts about the thesis that fossil fuels were sinking the developed nation coasts and it was all the fault of industrialization and market capitalism.

Therefore the IPCC science summary detecting no human signal was terrible news for larger group. Worse are the clarifying reasons for no human signal of the IPCC because they looked unresolvable, certainly no hope for many years of “observable data.’

The ‘shortcomings and uncertainties’ found by IPCC working group are key to the reason the group refused to find the ‘science settled’ as th. See-

11.1 Introduction

In order to deal with the issues posed by increased atmospheric greenhouse gas concentrations and to prepare human societies for the impacts of climate change, climate predictions must become more reliable and precise

Present shortcomings include Significant uncertainty, by a range of three, regarding

** the sensitivity of the global average temperature and mean sea-level to the increase in greenhouse gases,*

** Even larger uncertainties regarding regional climatic impacts, such that current climate change predictions have little meaning for any particular location,*

** Uncertainty in the timing of the expected climate change,*

** Uncertainty in the natural variations*

To overcome these shortcomings, substantial improvements are required in scientific understanding which will depend on the creative efforts of individual scientists and groups. Nevertheless the scale of the task demands international coordination and strong national participation.

11.2 Problem Areas and Scientific Responses

To achieve effective prediction of the behaviour of the climate system we must recognize that this system is influenced by a complex array of interacting physical chemical and biological processes. The scientific strategy to address these processes must include both observation and modelling. We must be able to understand the mechanisms responsible for past and present variations and to incorporate these mechanisms into suitable models of the natural system. The models can then be run forward in time to simulate the evolution of the climate system. Such a programme includes three essential steps

** Analysis of observational data, often obtained from incomplete and indirect measurements, to produce coherent information and understanding,*

** Application of observational information and understanding to construct and validate time-dependent mathematical models of natural processes,*

** Running such models forward to produce predictions that can (and must) be tested against observations to determine their "skill" or reliability over relatively short time-periods.*

The UN ignored these shortcomings and uncertainties identified by the scientists and went ahead as though the opposite finding had been made.

In fact we now know that after that meeting in Madrid Santer had traveled directly to the UK Met office in Bracknell. Following the vague and disputed direction of the Madrid letter, and under Houghton's direction, he had proceeded to modify the Chapter so that it would not directly contradict the bottom line finding that the evidence points towards human attribution. He had paid special attention to the many statements arising from the skeptical Barnett paper, which had reported the lack of any 'yardstick' of natural variability against which the human influence could be measured. The chapter's Concluding Summary had been entirely removed.

IPCC *politicians* wrote the final report and the "Summary". The rules force the 'scientists' to change their reports to match the politicians' final 'Summary'. Those three statements by 'scientists' above were replaced with this:

“The balance of evidence suggests a discernable human influence on global climate.”

AMAZING VOLTE FACE

This manipulation of climate science for a political purpose is outrageous. It is the shoddiest of science. It is like finding that Chicken Little was right the falling acorn did prove the sky was falling. Why such bad science?

The answer is simple to the UN bunch the end justified the unethical means.



*“No matter if the **science of global warming is all phony...** climate change provides the greatest opportunity to bring about justice and equality in the world.”*

– Christine Stewart, former Canadian Minister of the Environment



Timothy Wirth

*“We’ve got to ride this global warming issue. Even if the theory of global warming is wrong, we will be doing the right thing in terms of **economic and environmental policy**.”*

– **Timothy Wirth**,

President of the UN Foundation

Fear of losing their happy place and emoluments helped the IPCC to ignore the science research and override the doubts of the climate scientists about man-made warming. It is reminiscent of the famous Roosevelt Court Packing of the Supreme Court to stop the court from striking down new deal laws. The court turned on a dime with the threat hanging over them as Harvard Law Prof said, ‘a switch in time saved nine.’ [When a Switch in Time Saved Nine.](#)

[Searching for the Catastrophe Signal](#)

How did the UN avoid the 1995 report of the scientists detecting no human warming? The facts here are just as soggy as the infamous hockey stick graph scandal of Michael Mann erasing the established history of the Medieval Warming Period and the Little Ice Age.

First the UN pushed the scientists aside and has the policy leaders take over writing the conclusion of the science report. They ignored the deep doubt of the working scientist and concluded -

Those three statements by ‘scientists’ above were replaced with this by the non science UN Assembly:

“The balance of evidence suggests a discernable human influence on global climate.”

IPCC politicians wrote the final report and the “Summary”. The rules force the ‘scientists’ to change their reports to match the politicians’ final ‘Summary’.

This obvious fudge outraged the working group scientists and some leading lights slammed the IPCC in public. The only way the UN General Assembly who took over the final reports could move on human caused warming is to doctor the work of the climate scientists. They had to call black green. This is exactly what they did in the most strange peer review ever.

Frederick Seitz Past President of the NAS and American Physical Society

Major deception behind the IPCC detection finding

It begins:

“Last week the Intergovernmental Panel on Climate Change, a United Nations organization regarded by many as the best source of scientific information about the human impact on the earth climate, released “The Science of Climate Change 1995”, it’s first new report in five years. The Report will surely be hailed as the latest and most authoritative statement on global warming. Policy makers and the press will likely view the Report as the basis for critical decisions on energy policy that will have an enormous impact on US oil and gas prices and on the international economy. This IPCC report like all others is held in such high regard because it has been peer-reviewed. That is it has been read, discussed, modified and approved by an international body of experts. These scientists have laid their reputations on the line **But this Report is not what it appears to be** – it is not the version that was approved by the contributing scientists listed on the title page. In my more than 60 years as a member of the American Scientific community, including service as president of both the NAS and the American Physical Society, **I have never witnessed a more disturbing corruption of the peer-**

**review process than the events that led to this IPCC report.
Fn 699**

The author, Frederick Seitz, was never any friend of warming alarmists, having co-authored an influential skeptical report just prior to the completion of the first assessment.”

However his authority as a scientist was hard to challenge as he had enjoyed a stellar career in solid-state physics before being elected to a number of leadership positions in peak science bodies. The ‘disturbing corruption’ to which Seitz referred related specifically to the detection finding as given in Chapter 8 of the Working group 1 report. When comparing the final draft of the Chapter with the version just published, he found that key statements skeptical of any human attribution finding had been changed or deleted. His examples of the deleted passages include:

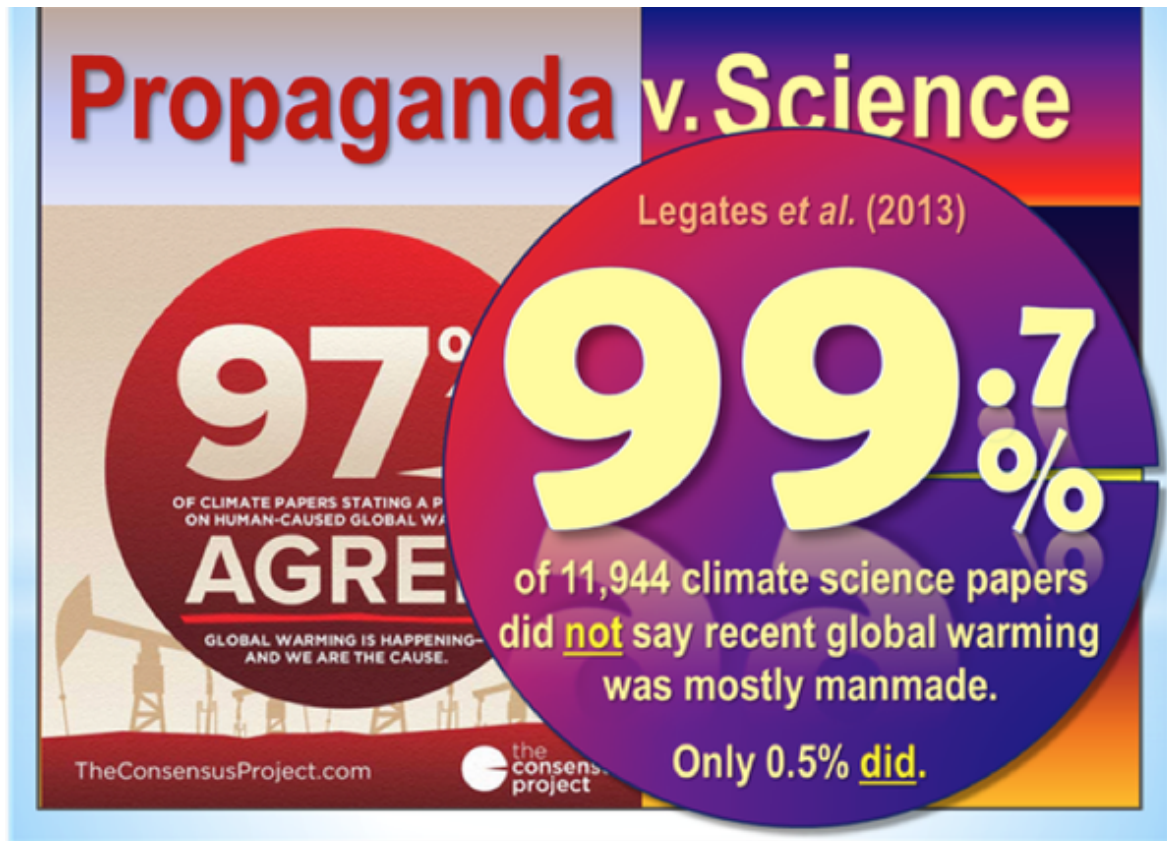
1. “**None** of the studies cited above has shown clear evidence that we can attribute the observed (climate) changes to the specific cause of increases in greenhouse gases.”
2. “**No study to date** has positively attributed all or **part** (of observed climate change) to anthropogenic (i.e. man-made) causes.”
3. “**Any claims of positive detection** of significant climate change are likely to remain controversial until uncertainties in the natural variability of the climate system are reduced.”

What does this mean? Gore is lying in his interview with Charlie Rose. It means the fears about catastrophe human warming is unsettled science just as the earlier fears of a new ice age from global cooling in 1970.



It means that talking about a 97% consensus is nonsense when IPCC scientists directed study of what is man made influence on the climate could not give a 'settled answer. The key report in 1995 failed to detect a human signal in the climate! There were too many uncertainties yet the UN policy side and the alarmist crowd ignored the science doubt and proceeded to scare the public about false climate crisis leading to the vain Paris Accord to make the climate colder.

The only way the UN General Assembly who took over the final reports could move on human caused warming is to doctor the work of the climate scientists. This is exactly what they did in the most strange peer review ever.



“In questions of science, the authority of a thousand is not worth the humble reasoning of a single individual.” Galileo

“WE need to get some broad based support, to capture the public’s imagination... So we have to offer up scary scenarios, make simplified, dramatic statements and make little mention of any doubts... Each of us has to decide what the right balance is between being effective and being honest.”

– **Prof. Stephen Schneider**,
Stanford Professor of Climatology,
lead author of many **IPCC reports**

Using a survey in this very casual way to find scientific truth about a very complex disputed science question is just plain nonsense, particularly when the UN had created a funded science group the IPCC to ascertain this very issue. Major funds were allocated by all governments to the UN to research the science of any human effect on

the climate. There were > 2000 climate scientists appointed from around the world to do the research and find the answers.

What happened why are we not given peer reviewed papers with their conclusions? Sadly you can guess the reason is after 5 years of intensive study the politics got ahead of the science. The story is dramatic like a novel and essential to understand where we are today. The best factual history is offered by

"If you tell a lie big enough and keep repeating it, people will eventually come to believe it."

Nobel Laureate Dr. Kary Mullis is correct in his assessment of the current state of climate science, describing it as a "Joke".

As he correctly points out, there is no scientific evidence whatever that our CO₂ is, or can ever "drive" climate change.

There is also no published empirical scientific evidence that any CO₂, whether natural or man-made, causes warming in the troposphere.

IN order to avoid important free and open debate, on a system so chaotic as our climate, CAGW alarmists instinctively claim that the "science is settled" based on a purported "97% consensus" of *all* scientists.

. ANY person or body that holds a dissenting view or presents contradictory evidence is immediately labelled a climate 'denier' - likened to those who claim the holocaust never occurred. A classic ad-hominem attack designed to smear and silence those who refuse to comply with the preferred wisdom of the day.

. BOGUS 97% surveys have been concocted over the years claiming a scientific 'consensus' exists. However, **consensus doesn't decide science, facts do.**

. THE late Michael Crichton on the folly of a so-called 'consensus' in science...

"There is no such thing as consensus science. If it's consensus, it isn't science. If it's science, it isn't consensus. Period."

• *“Historically, the claim of consensus has been the first refuge of scoundrels; it is **a way to avoid debate** by claiming that the matter is already settled. Whenever you hear the consensus of scientists agrees on something or other, reach for your wallet, because you’re being had.”*

*“I would remind you to notice where the claim of consensus is invoked. Consensus is invoked only in **situations where the science is not solid enough**. Nobody says the consensus of scientists agrees that $E=mc^2$. Nobody says the consensus is that the sun is 93 million miles away. It would never occur to anyone to speak that way.”*

The issues raised by the uncertainty report of the IPCC Working Group 1 remain unresolved. -This means no support for the Al Gore, Hansen, Mann thesis about fossil fuel emissions of trace amounts of Co2 plant food are the control knob of the climate.

The paradox when you dig into the work of the UN’s climate research body the IPCC you find that more like 97% of the Working Group 1 scientists (2000 from around the world) fail to detect any evidence of human caused global warming.

The issue that most frustrated the IPCC working group was their **inability to separate human influence from mother natures historical and dominating natural climate variability.**

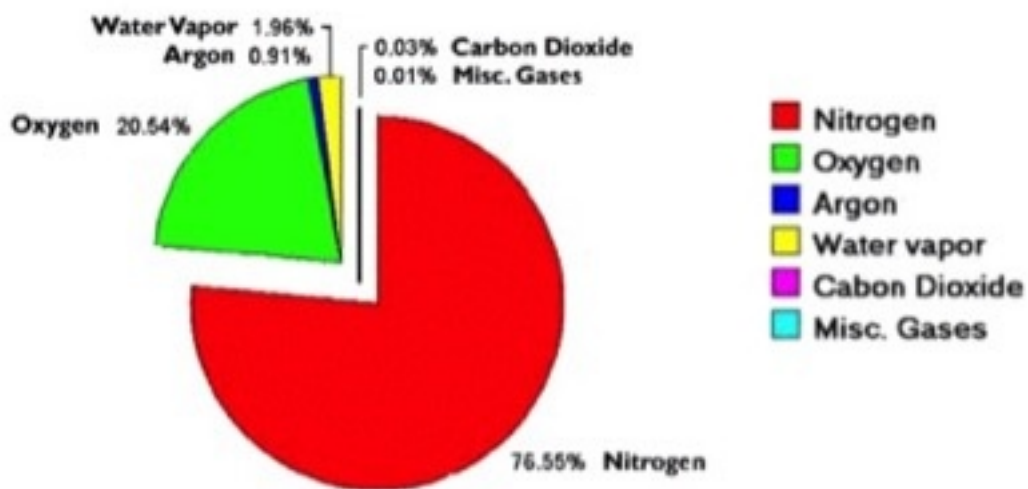
There are three key reason for the separation challenge:

- Natural Co2 is only 0.03% too small to measure.
- human emissions at 4% of natural are near zero impact.
- natural Co2 today and earlier does not correlate well with temperature.
- climate history denies anything unprecedented about current warming.



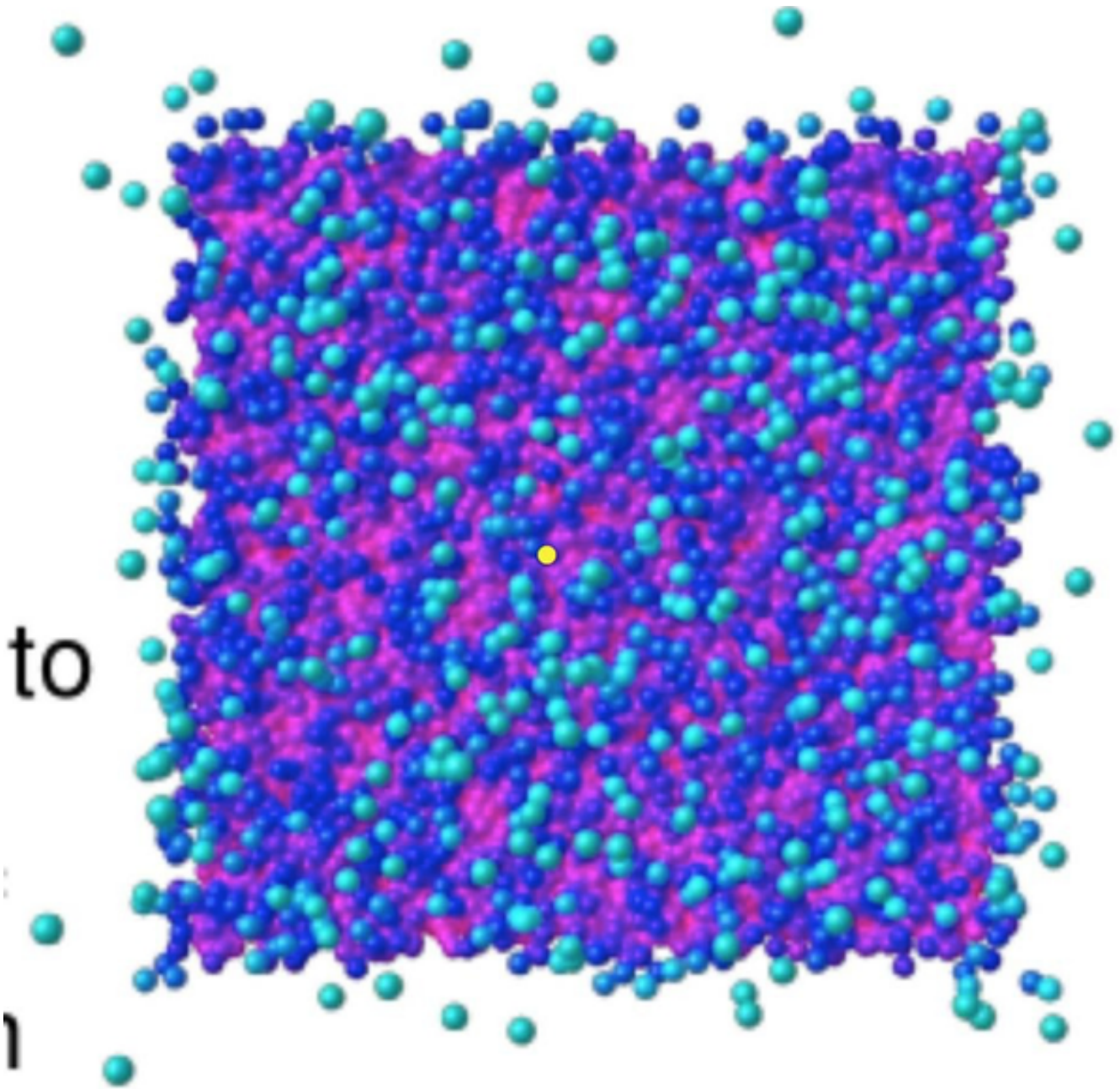
Read that again. **DRAWING NOT TO SCALE.** If drawn to scale, neither the total carbon dioxide nor the alleged human-produced carbon dioxide would be visible!

The Gases That Comprise Earth's Atmosphere



Anthropocentric CO₂ is Only 0.117% !

2500 to 1 Co₂ molecule



The yellow sphere represents the amount of CO₂ amongst the nitrogen and oxygen molecules in the air. TRY TO IMAGINE THIS MINUTE AMOUNT OF CO₂ AS A HEAT TRAPPING BLANKET. Not possible to even imagine. This ratio is all Co₂ and human emissions are only a small fraction of total Co₂.

And since nature produces 96% of carbon dioxide and only 4% is produced by man, the effect of mankind on the warming of the Earth can be reduced by a further 96%.

So the Warmists may indeed claim 0.0048% of the warming - impossible.

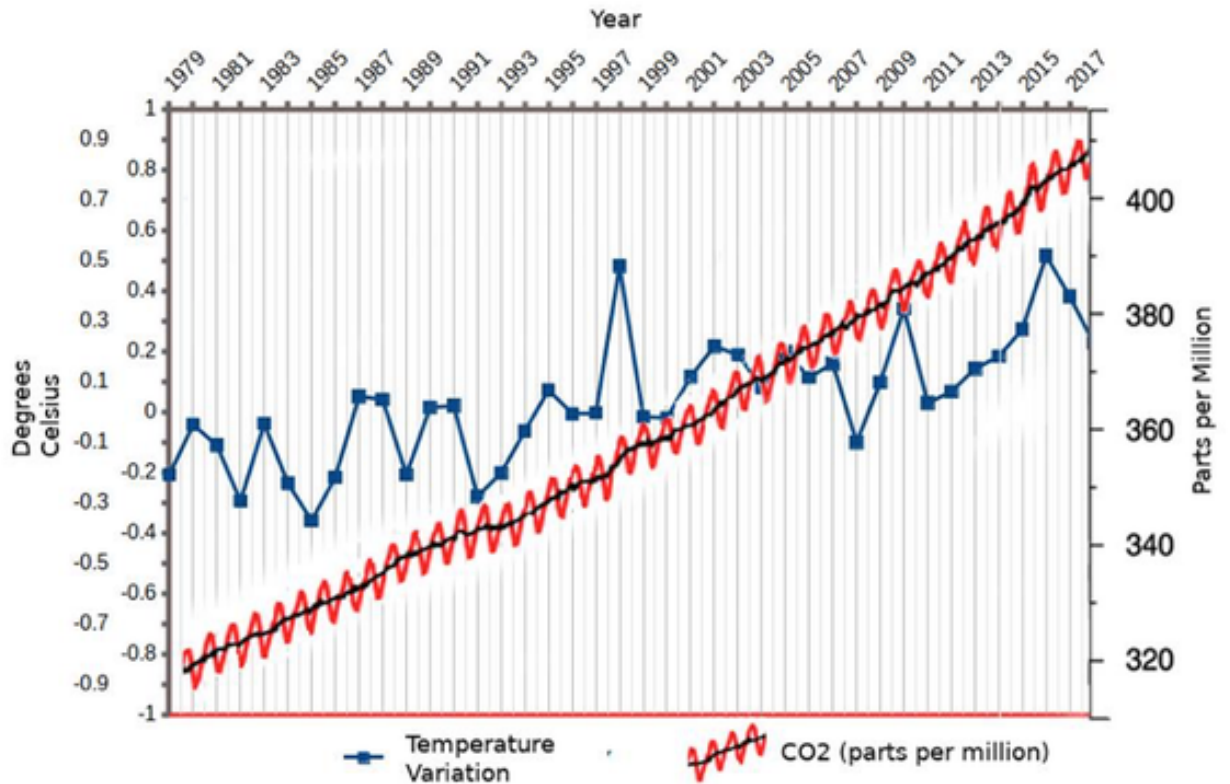
There is too little Co₂ to COVER ANYTHING this means carbon dioxide has no meaningful role in the earth's climate. The use of a greenhouse as a climate metaphor is the heart of great misunderstanding.

The atmosphere of the planet is huge and notwithstanding our arrogance we are not a big factor.

All the Co₂ produced by us wild fires and volcanoes etc only amounts to 0.039% of the atmosphere.

The greenhouse metaphor is unscientific and very misleading. Real greenhouses are beautiful structures based entirely on the complete glass covering.

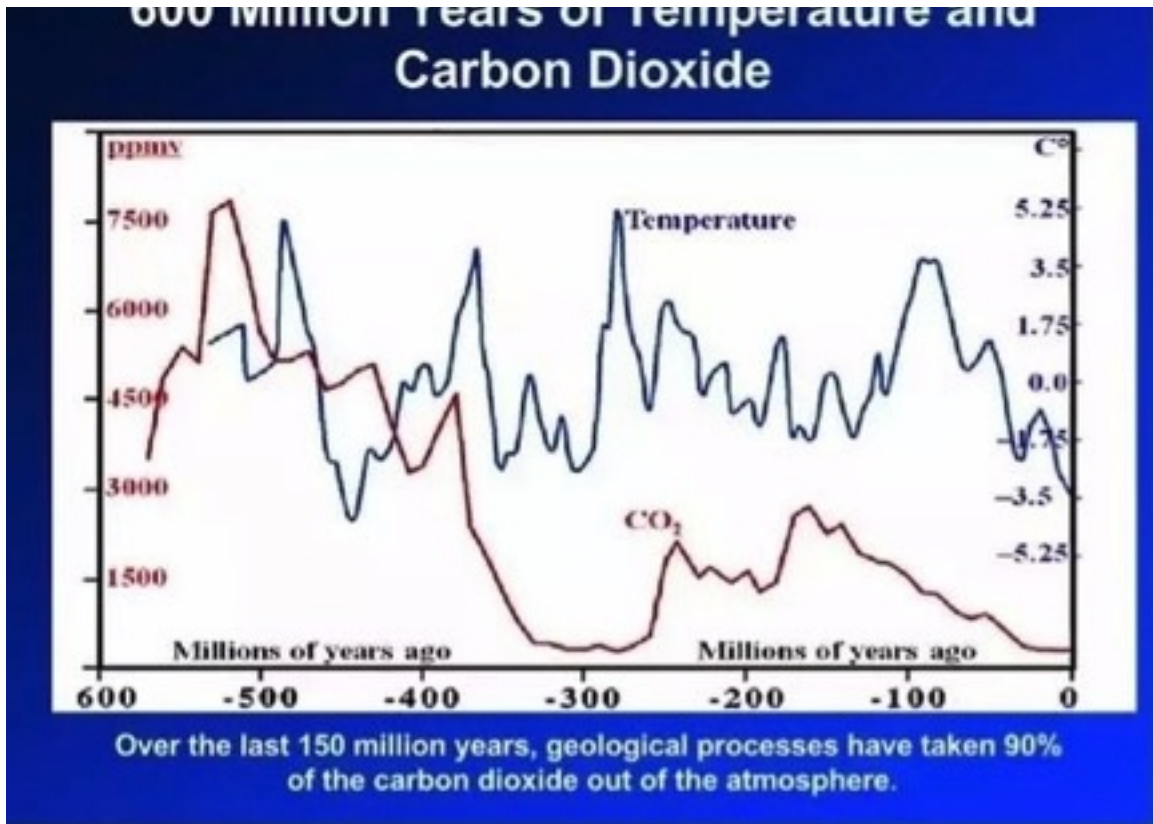
A further evidence problem for the IPCC scientists is the observable recent data shows over the past 40 years there is no correlation between temperature change and carbon dioxide.



UAH satellite-based Lower Tropospheric (LT) temperature dataset and atmospheric concentration of Carbon Dioxide; 1979 to present

Copyright Tom Tamarkin 2019

This meant the thesis that there has been unprecedented warming for three decades could not be traced to Co2 which is where human emissions are based. The mis-correlation between temperature and Co2 is found over many past climates.



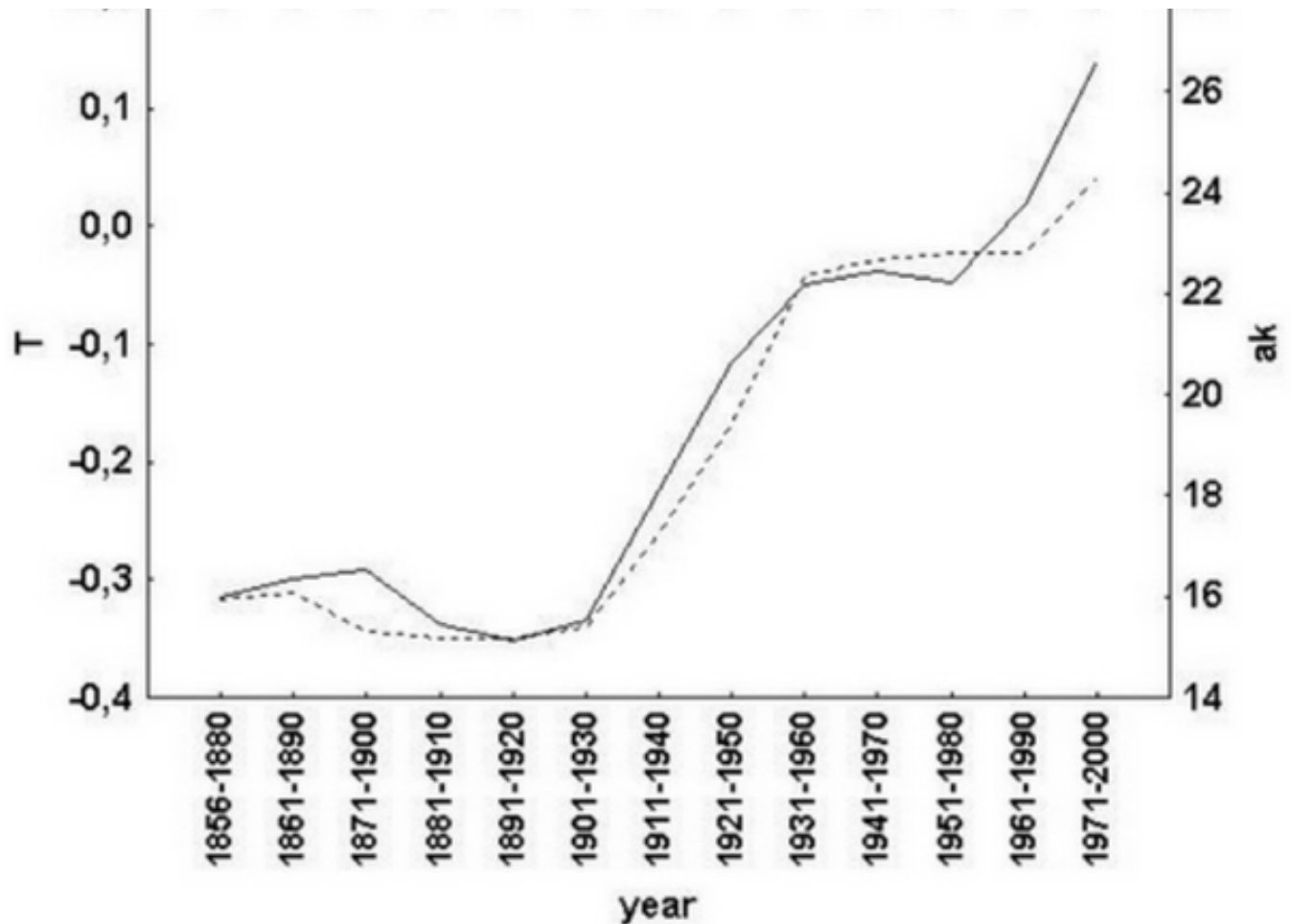
Co2 does not correlate well with temperature, but solar geomagnetic activity does correlate.

[A GRAPH TO DEBUNK AGW](#)

[A Graph to Debunk AGW: Solar Geomagnetic Activity is highly correlated to Global Temperature changes between 1856-2000](#)

Wednesday, April 10th 2013, 4:15 PM EDT

[Co2sceptic](#) (Site Admin)



A paper published in the journal of the Italian Astronomical Society finds that solar geomagnetic activity was highly correlated to global temperature changes over the period from 1856-2000. The authors “show that the index commonly used for quantifying long-term changes in solar activity, the sunspot number, accounts for only one part of solar activity and using this index leads to the underestimation of the role of solar activity in the global warming in the recent decades. A more suitable index is the geomagnetic activity which reflects all solar activity, and it is highly correlated to global temperature variations in the whole period for which we have data.”

THE ‘INCONVENIENT’ PAST

THERE is absolutely nothing unusual about today’s so-called aka Climate Change.

LOOK at how many periods of warmth our planet has enjoyed during the past 10,000 years alone.

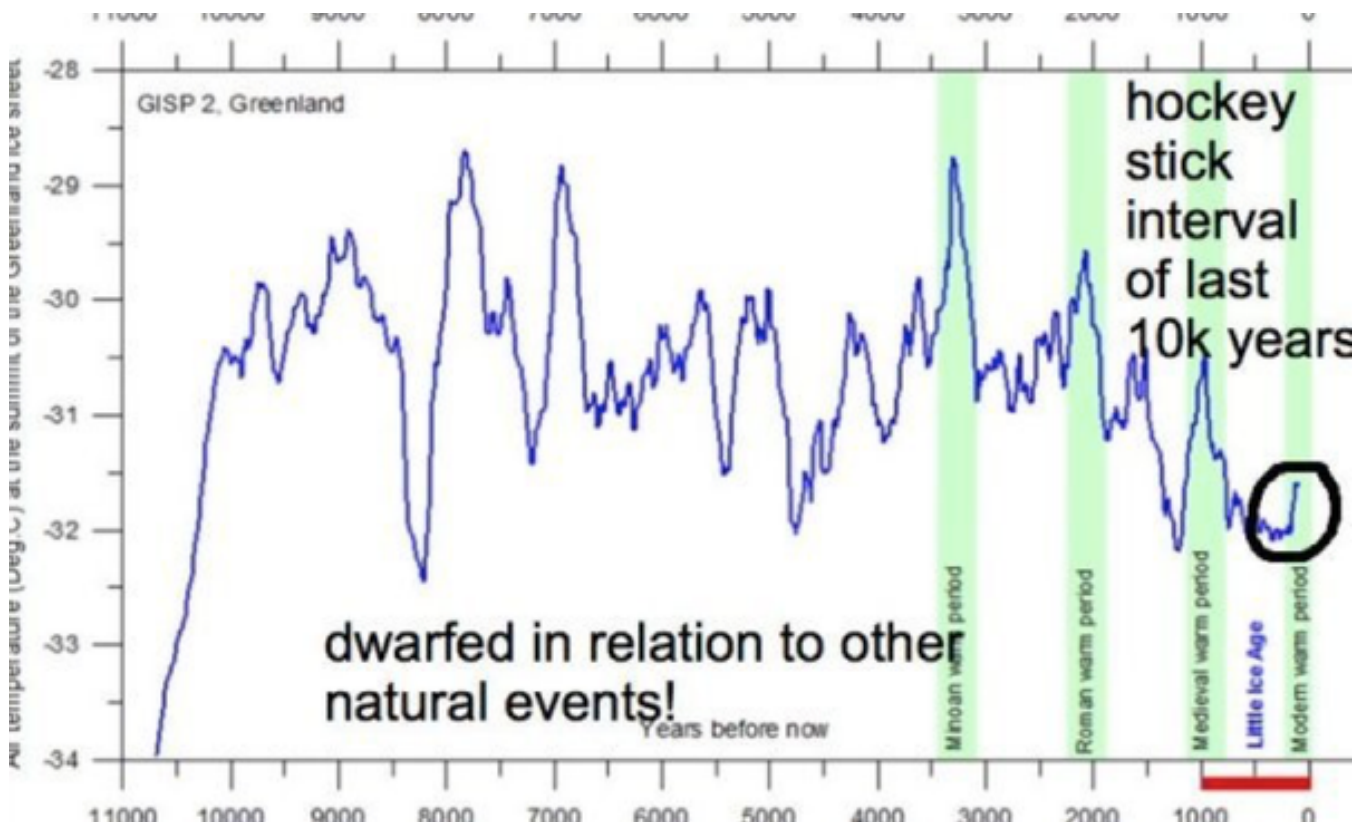
CIVILISATIONS flourished during those warm periods (“climate optimums”), and collapsed when they ended.

DID humans cause the Minoan warm period of about 3,300 years ago?

DID humans cause the Roman warm period of about 2,100 years ago?

DID humans cause the Medieval warm period of about 1,000 years ago?

WHAT about all of those other warm periods? Should we blame Fred Flintstone, perhaps?



THE above chart is based on data from GISP2 (Greenland Ice Sheet Project 2). GISP2 drilled cores into the Greenland ice more than 3000 meters (almost 2 miles) deep, allowing scientists to study climate variability for the past 125,000 years.

*IF the downward trend in temperature of the past 3,300 years continues, we could be in a heap of trouble. **While our leaders keep on wringing their collective hands over global warming, we could be blindsided by an ice age.***

ALL this talk about human-caused global warming is sheer nonsense, if not downright fraud. The record shows that both periods of warmth – and periods of cold – hit our planet with almost consistent regularity.

Full article : Our planet has enjoyed 10 warm periods during the past 10,000 years – Ice Age Now

<https://climatism.blog/2018/12/0...>

To add more confusion to observable data there was a global cooling scare among the science community in the seventies which is often denied, but the evidence is solid the fear was “the onset of an ice age.” See for example this NY Times story -

The New York Times

NEW YORK, SATURDAY, JULY 18, 1970

U.S. and Soviet Press Studies of a Colder Arctic

By WALTER SULLIVAN

The United States and the Soviet Union are mounting large-scale investigations to determine why the Arctic climate is becoming more frigid, why parts of the Arctic sea ice have recently become ominously thicker and whether the extent of that ice cover contributes to the onset of ice ages.

The projects, which involve nuclear submarines, earth satellites, aircraft and numerous manned and unmanned stations on the drifting ice, are being pressed with special urgency in view of recent discoveries of important resources in the Soviet and the American Arctic.

These include gold and other ores on the Taimir Peninsula, the northernmost part of Siberia, and one of the world's richest oil fields on the North Slope of Alaska.

Because of increased ice along the north coast of the

Soviet Union and in view of heavier demands for late-season shipping, the Soviet Ministry of Shipbuilding is studying plans for a series of new icebreakers.

The icebreakers would be half again — or even twice — as powerful as the Lenin, the world's most powerful. Driven by nuclear reactors, the Lenin has 40,000 horsepower. The new ships may be driven by diesel-electric or gas turbine engines.

The American plan, which is being developed by the University of Washington with support from the National Science Foundation, is known as AIDJEX, for Arctic Ice Dynamics Joint Experiment. An area of the pack ice some 300 miles square would be studied intensively.

The Soviet plan is known as N.E.I. for Natural Experiment on Interactions. It seeks an understanding of factors that control how much energy enters the Arctic via winds, ocean currents and sunlight and how much is lost to space. The Russians now have four manned research stations on drifting Arctic ice.

The N.E.I. project, which is scheduled to last at least seven years, would also operate two dozen unmanned stations on the ice. Five special weather

NEWS INDEX

	Page		Page
Antiques	22	Movies	12-14
Art	22	Music	12-14
Books	23	Obituaries	22, 25
Bridge	22	Society	17
Business	28, 36	Sports	18-21
Churches	15	Theaters	12-14
Crossword	23	Transportation	48
Editorials	24	TV and Radio	49
Financial	28-36	Washington Record	17
Letters	24	Weather	48
Man in the News	21	Women's News	16

News Summary and Index, Page 27

Continued on Page 36, Column 6

Trying to hid this reality is a tip in itself of doubt about the claim of a pending climate catastrophe from warming not cooling!

IPCC leaders have not hesitated to admit they have a non-science agenda that they must feel justifies indulging in a corrupt peer review of their own working group scientist to come up with a handle - fossil fuels- that could be the path to redistribute de facto the world's wealth.

U.N. Official Admits Global Warming Agenda Is Really About Destroying Capitalism

by [Tyler Durden](#)

Fri, 02/03/2017 - 17:57



<https://www.zerohedge.com/news/2...>

A shocking statement was made by a United Nations official [Christiana Figueres](#) at a news conference in Brussels.

Figueres admitted that the Global Warming conspiracy set by the U.N.'s Framework Convention on Climate Change, of which she is the executive secretary, **has a goal not of environmental activists is not to save the world from ecological calamity, but to destroy capitalism.** She said very casually:

“This is the first time in the history of mankind that we are setting ourselves the task of intentionally, within a defined

period of time, to change the economic development model that has been reigning for at least 150 years, since the Industrial Revolution.”

She even restated that goal ensuring it was not a mistake:

“This is probably the most difficult task we have ever given ourselves, which is to intentionally transform the economic development model for the first time in human history.”

I was invited to a major political dinner in Washington with the former Chairman of Temple University since I advised the University with respect to its portfolio. We were seated at one of those round tables with ten people. Because we were invited from a university, they placed us with the heads of the various environmental groups. They assumed they were in friendly company and began speaking freely. Dick Fox, my friend, began to lead them on to get the truth behind their movement. Lo and behold, they too admitted it was not about the environment, but to reduce population growth. Dick then asked them, “Whose grandchild are we trying to prevent from being born? Your’s or mine?”

All of these movements seem to have a hidden agenda that the press helps to misrepresent all the time. One must wonder, at what point will the press realize they are destroying their own future?

[Investors.com reminds](#) Figueres that the only economic model in the last 150 years that has ever worked at all is capitalism. The evidence is prima facie: From a feudal order that lasted a thousand years, produced zero growth and kept workdays long and lifespans short, the countries that have embraced free-market capitalism have enjoyed a system in which output has increased 70-fold, work days have been halved and lifespans doubled.

“No matter if the science is all phony; there are collateral environmental benefits.... Climate change [provides] the greatest chance to bring about justice and equality in the world.”



Christine Stewart, former Minister of the Environment of Canada

That Paris conference agenda got a useful boost from U.S. government agency scientists at NASA and NOAA who conveniently provided “warmest years ever” claims. Both have histories of stirring overheated global warming stew pots with alarming and statistically indefensible claims of recent “record high” temperatures.

<http://www.climatedepot.com/2017...>

The blatant manipulation of the IPCC working group 1 summary in 1995 to say the opposite of what the scientists wanted shows the UN lets politics dumping market capitalism dominate science. The leadership of Maurice Strong as the father of climate change and a poorly educated non-scientist is relevant to what is the UN [agenda](#). In a farewell piece on Strong’s passing in 2015 Booker summarizes the amazing role of Strong in creating the UN IPCC.

Farewell to the man who invented 'climate change'

by Christopher Booker 2015

During the Second World War, having emerged from humble origins in the Great Depression, Strong became convinced that the new United Nations should become a world government, dedicated to ensuring that the wealth enjoyed by the richer countries of the West should be spread out around the world’s underprivileged majority.

Maurice Strong: he established the UN's environmental agenda (Canadian Press/AP)

In the Sixties, having become very rich himself from Canada's oil industry, Strong came to see that the key to his vision was "environmentalism", the one cause the UN could harness to make itself a truly powerful world government.

A superb political operator, in 1972 he set up a UN "Environment Conference" in Stockholm, to declare that the Earth's resources were the common inheritance of all mankind. They should no longer be exploited for the benefit of only a few countries, at the expense of poorer countries across the globe.

To pursue this, he became founding director of a new agency, the UN Environment Programme (UNEP), and in the Eighties he took up the cause of a tiny group of international meteorologists who had come to believe that the world faced catastrophic warming. In 1988, UNEP sponsored this little group into setting up the UN's Intergovernmental Panel on Climate Change (IPCC).

In 1992, **now allied with the IPCC**, Strong pulled off his greatest coup when he set up another new body, the UN Framework Convention on Climate Change (UNFCCC), to stage that colossal "Earth Summit" over which he presided in Rio, arranging for it to be attended not only by 108 world leaders and 100,000 others but also by 20,000 UN-funded "green activists".

It is the UNFCCC which in effect has dictated the global climate change agenda ever since. Almost yearly it has staged huge conferences, notably those at Kyoto (1997), Copenhagen (2009) and the present one in Paris. And all along it has been Strong's ideology, enshrined at Rio in "Agenda 21", which has continued to shape the entire process, centred on the principle that the richer developed countries must pay for a problem they created, to the financial benefit of all those "developing countries" that have been its main victims. In 2005, Strong was caught having been illicitly paid \$1 million from the UN's Oil for Food programme, supposedly set up to allow Saddam Hussein to pay in oil to feed starving Iraqis. He retired to a flat in Beijing, where he had been close to China's Communist leaders back to Mao. It was from there that he returned home to Canada to die, on

November 27. The scientists behind the issue were on a mission and misbehaved by fudging the data to make the climate seem warmer than it was. As soon as the politicians like Al Gore usurped the science they declared a fake consensus demanding public acceptance that the science is settled not open to debate.

"Strong's dream is more than ever falling apart"

But the wonderful irony is that the reason why Paris will fail, like Copenhagen before it, is that those “developing countries”, led by China and India – now the world’s first and third largest “CO₂ emitters” – have not the slightest intention of curbing their emissions. It is for the West to do that, for creating “the problem”. Thus, just as he died, Strong’s dream is more than ever falling apart – thanks to those very countries his socialist vision was intended to help.

[Farewell to the man who invented 'climate change'](#)

China

The President of China, Hu Jin Tao, greets Maurice Strong

Strong, from his earliest days, had a deep interest in and fascination for China and has been going to China for more than 40 years in various capacities, personal, United Nations, World Bank and business.

He now spends most of his time there and is active as an advisor and business relationships in the environment, energy, and technology sectors. His principal activities are centered at Peking University, where he is an active Honorary Professor, as well as Honorary Chairman of its Environmental Foundation and Chairman of the Advisory Board of the Institute for Research on Security and Sustainability for Northeast Asia, following up on his experience with the Democratic People’s Republic of Korea (North Korea).

Indeed, Secretary-General Kofi Annan, near the end of his term, paid the following tribute to Strong:

“Looking back on our time together, we have shared many trials and tribulations and I am grateful that I had the benefit of your global vision and wise counsel on many critical issues, not least the delicate question of the Korean Peninsula and China’s changing role in the world. Your unwavering commitment to the environment, multilateralism and peaceful resolution of conflicts is especially appreciated.”

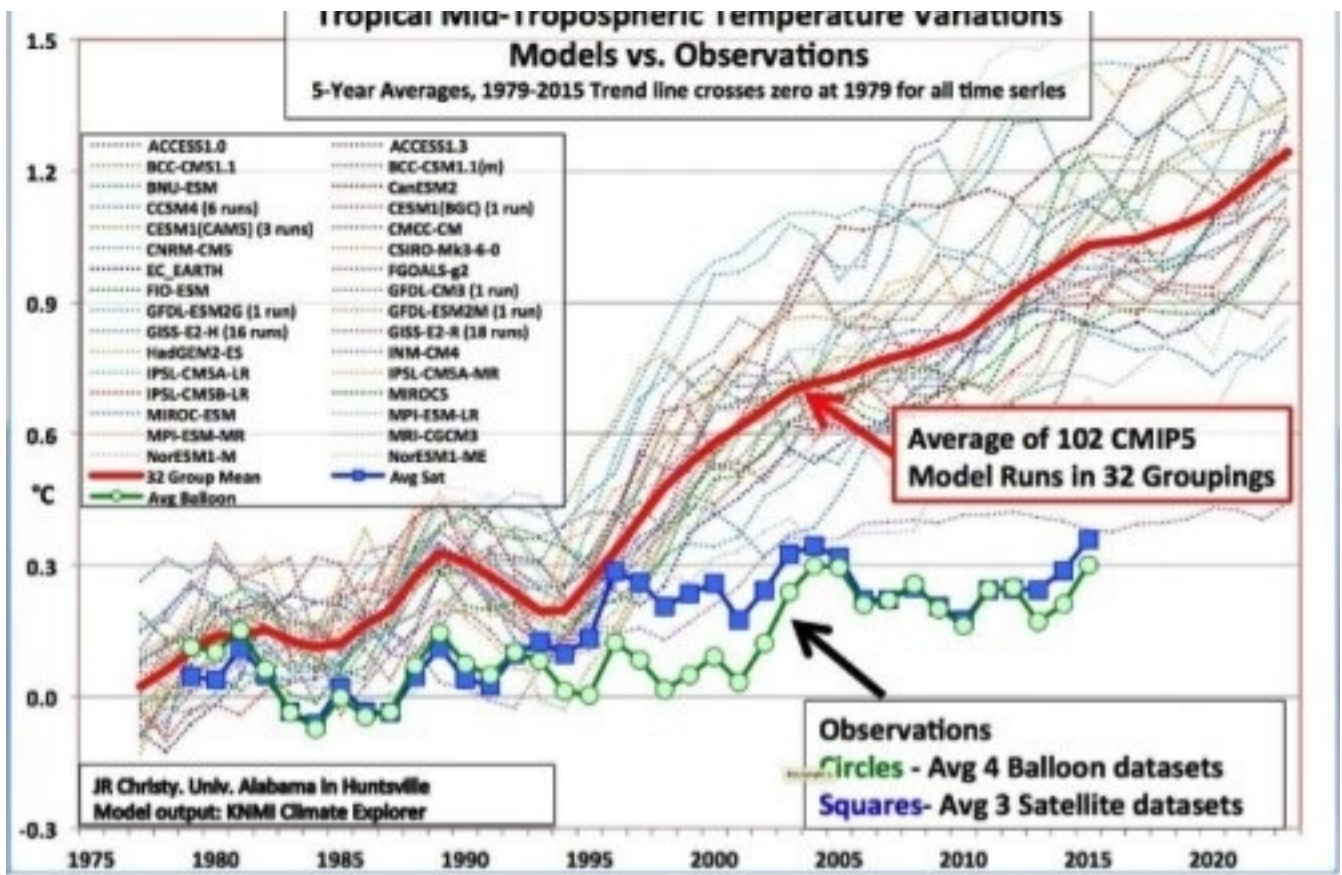
Judith Curry Blog ‘POLITICIZING THE IPCC REPORT’

Here is the sad reality there are no credible peer reviewed papers that contradict or override the key findings of the IPCC draft science -

1. “**None** of the studies cited above has shown clear evidence that we can attribute the observed (climate) changes to the specific cause of increases in greenhouse gases.”
2. “**No study to date** has positively attributed all or **part** (of observed climate change) to anthropogenic (i.e. man-made) causes.”
3. “**Any claims of positive detection** of significant climate change are likely to remain controversial until uncertainties in the natural variability of the climate system are reduced.”

There are in a plethora of papers that support the working group findings of no human influence -

- [100% Of Climate Models Prove that 97% of Climate Scientists Were Wrong! | Clmatism](#)



MORE than 97 (500) scientific papers published in 2018 affirm the position that there are significant limitations and uncertainties inherent in our understanding of climate and climate changes, emphasizing that climate science is *not* settled.

More specifically, the papers in this compilation support these four main skeptical positions – categorized here as **N(1) – N(4)** – which question the climate alarm popularized in today’s headlines.

N(1) Natural mechanisms play well more than a negligible role (as claimed by the IPCC) in the net changes in the climate system, which includes temperature variations, precipitation patterns, weather events, etc., and the influence of increased CO₂ concentrations on climatic changes are less pronounced than currently imagined.

Solar Influence On Climate (103)

ENSO, NAO, AMO, PDO Climate Influence (22)

Modern Climate In Phase With Natural Variability (8)

Cloud/Aerosol Climate Influence (4)

Volcanic/Tectonic Climate Influence (3)

N(2) The warming/sea levels/glacier and sea ice retreat/hurricane and drought intensities...experienced during the modern era are neither unprecedented or remarkable, nor do they fall outside the range of natural variability.

No Net Warming Since Mid/Late 20th Century (36)

A Warmer Past: Non-Hockey Stick Reconstructions (76)

Lack Of Anthropogenic/CO₂ Signal In Sea Level Rise (16)

Sea Levels Multiple Meters Higher 4,000-7,000 Years Ago (18)

Nothing Unusual Occurring With Glaciers, Polar Ice (33)

Polar Bear (and other) Populations Not Decreasing (10)

Warming, Acidification Not Harming Oceanic Biosphere (10)

Coral Bleaching A Natural, Non-Anthropogenic Phenomenon (2)

No Increasing Trends In Intense Hurricanes/Storms (8)

No Increasing Trend In Drought/Flood Frequency, Severity (7)

Global Fire Frequency Declining As CO₂ Rises (2)

CO₂ Changes Lag Temperature Changes By 1000+ Years (3)

N(3) The computer climate models are neither reliable or consistently accurate, the uncertainty and error ranges are irreducible, and projections of future climate states (i.e., an intensification of the hydrological cycle) are not supported by observations and/or are little more than speculation.

Climate Model Unreliability/Biases/Errors (27)

No AGW Changes To Hydrological Cycle Detectable (6)

The CO2 Greenhouse Effect – Climate Driver? (12)

N(4) Current emissions-mitigation policies, especially related to the advocacy for renewables, are often ineffective and even harmful to the environment, whereas elevated CO2 and a warmer climate provide unheralded benefits to the biosphere (i.e., a greener planet and enhanced crop yields, lower mortality with warming).

Failing Renewable Energy, Climate Policies (17)

Wind Power Harming The Environment, Biosphere (19)

Elevated CO2: Greens Planet, Higher Crop Yields (20)

Global Warming Saves Lives. Cold Kills. (9)

Global Losses/Deaths From Weather Disasters Declining (2)

<http://notrickszone.com/2019/01/...>

THE BEST EVIDENCE PRINCIPLE

In the law of evidence there is the ‘the best evidence principle’ that means you should rely on the best evidence, not secondary evidence in a dispute. Apply this principle here suggests the best evidence about human caused warming is research from the 2000+ IPCC working scientist paid to research just that issue. They detected no human influence because of natural variation making the analysis too uncertain. Therefore the Working Group 1 summary report after 5 years of studies is the best evidence and the the 97% survey meme is secondary or worse evidence that is trumped by the IPCC best evidence findings.

With the background of the IPCC Working Group 1 open conflict over their key summary and the interference of the policy side of the UN you better understand the unethical exchange of emails by those trying to hide the truth. Here are examples of terrible ideas and admissions from these rogue scientists.

“Kevin and I will keep [skeptical papers] out [of IPCC] somehow – even if we have to redefine what peer-review literature is.”

– [Phil Jones to Michael Mann | Climategate Emails](#)

“As you know, I’m not political. If anything, I would like to see the climate change happen, so the science could be proved right, regardless of the consequences. This isn’t being political, it is being selfish.” – [Phil Jones \(Uni East Anglia CRU Head\)](#)

“The data doesn’t matter. We’re not basing our recommendations on the data. We’re basing them on the climate models.”

– [Prof. Chris Folland,](#)

Hadley Centre for Climate Prediction and Research

“As we all know, this isn’t about truth at all, it’s about plausibly deniable accusations.”

– [Michael Mann \(Climategate Emails\)](#)

From -

[THE Catastrophic Anthropogenic Global Warming Scam](#)

This excursus into the IPCC research working group findings about global warming demolishes any need for more discussion of the false 97% settled science meme!

QUORA:

Is climate change an imagined problem promoted by censorship and the media without scientific evidence?



James Matkin, LAWYER WRITER (2006-present)

Updated 3m ago

Yes, climate change by man is an imagined unproven problem. Sea levels are not rising, islands are not sinking, some glaciers expand as others melt, polar bears flourish, winters are colder with massive snowfall and the ski business is booming. Alarmist computer projections of catastrophic warming all fail. Where is the problem? Humans are a tropical species and most prosperous during warm interglacial period. We certainly do not need a colder climate.

QUORA: [Philip Kisluff](#), If you can keep your head when all about are losing theirs & blaming it on you.

[Written Apr 23, 2016](#)

Changing "global warming" to climate change means it can no longer be falsifiable.

As Karl Popper pointed out with other pseudo-sciences in vogue when he was alive

I found that those of my friends who were admirers of Marx, Freud, and Adler, were impressed by a number of points common to these theories, and especially by their apparent *explanatory power*. These theories appear to be able to explain practically everything that happened within the fields to which they referred. The study of any of them seemed to have the effect of an intellectual conversion or

revelation, open your eyes to a new truth hidden from those not yet initiated. Once your eyes were thus opened you saw confirmed instances everywhere: the world was full of *verifications* of the theory. Whatever happened always confirmed it. Thus its truth appeared manifest; and unbelievers were clearly people who did not want to see the manifest truth; who refuse to see it, either because it was against their class interest, or because of their repressions which were still "un-analyzed" and crying aloud for treatment.

The most characteristic element in this situation seemed to me the incessant stream of confirmations, of observations which "verified" the theories in question; and this point was constantly emphasize by their adherents. A Marxist could not open a newspaper without finding on every page confirming evidence for his interpretation of history;

And

Astrology did not pass the test. Astrologers were greatly impressed, and misled, by what they believed to be confirming evidence — so much so that they were quite unimpressed by any unfavorable evidence. Moreover, by making their interpretations and prophecies sufficiently vague they were able to explain away anything that might have been a refutation of the theory had the theory and the prophecies been more precise. In order to escape falsification they destroyed the testability of their theory. It is a typical soothsayer's trick to predict things so vaguely that the predictions can hardly fail: that they become irrefutable.

Science as Falsification

And here are the the impossible to falsify predictions from 2007: Shortly after these predictions were made, the Northern hemisphere suffered a run of very cold winters; the North Atlantic experienced the lowest recorded levels of hurricane activity; and global surface temperatures refused to rise for best part of 20 years with most of the extra heat assumed to be going into the oceans.

Now, don't get wrong, I'm not saying climate change is demonstrably false. I'll simply leave the last word to Popper:

Some genuinely testable theories, when found to be false [predictions are not confirmed], are still upheld by their admirers — for example by introducing ad hoc some auxiliary assumption, or by reinterpreting the theory ad hoc in such a way that it escapes refutation. Such a

procedure is always possible, but it rescues the theory from refutation only at the price of destroying, or at least lowering, its scientific status.

Take a few minutes to listen to Greenpeace co-founder, Dr. Patrick Moore explaining why “climate change” is only pseudo-science.



[Greenpeace Co-Founders Warns of Global Climate Change Scam / Global Warming Hoax !](#)

Moore shows that clouds are the wild card of the climate system and their formation is chaotic, non-linear restricting prediction to a few days. Clouds are one of many factors that cause our irregular and regional climate system.

Dr. Patrick Moore co-founder uses science and history to prove climate change is an imagined problem. He rebuts the “Global Climate Change Scam” and warns -

Global Warming is on its way to be a two trillion dollar scam. Our politicians (NWO) goals are to have total power and control over all the people. These politicians are using powerful human motivators in climate change : Fear and Guilt. We fear our modern way of life will kill are children and grand children. We the people are being told, carbon dioxide is a toxic pollutant and must be curtailed. In fact without carbon dioxide above 150 parts per million, all plants would die. If these politicians succeed, food and energy will again be

reserved for the rich and billions of humans will die of starvation or exposure.

Published on 22 Mar 2015

The Climate is always changing and is unpredictable

There is no stable period of temperatures in climate history. Therefore the warmists are the real climate-change “deniers” because they want the global temperatures to maintain absolute status relative to 1970. The following is basic information about the history of global warming confirms that the issue is not whether there is global warming or not. There is, but not from fossil fuels rather from **natural climate variation**. The only way CO₂ from industry becomes relevant is if there is “catastrophic warming” beyond the trivial moderate rise in temperatures over the past 11,000 years (thankfully.)

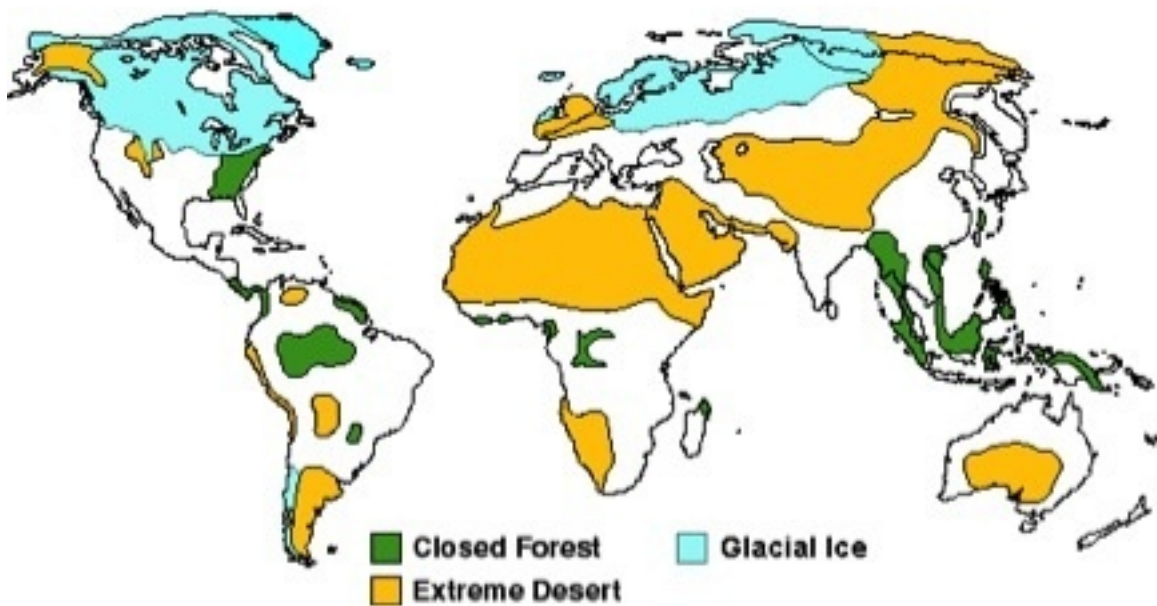
Global Warming began 18,000 years ago.

Global warming started long before the "Industrial Revolution" and the invention of the internal combustion engine. [Emphasis added] Global warming began 18,000 years ago as the earth started warming its way out of the Pleistocene Ice Age-- a time when much of North America, Europe, and Asia lay buried beneath great sheets of glacial ice.

Earth's climate and the biosphere have been in constant flux, dominated by ice ages and glaciers for the past several million years. We are currently enjoying a temporary reprieve from the deep freeze. Approximately every 100,000 years Earth's climate warms up temporarily. These warm periods, called interglacial periods, appear to last approximately 15,000 to 20,000 years before regressing back to a cold ice age climate. At year 18,000 and counting our current interglacial vacation from the Ice Age is much nearer its end than its beginning.

Global warming during Earth's current interglacial warm period has greatly altered our environment and the distribution and diversity of all life. For example: warming dates back 18,000 years from the time the last ice age commenced melting without any human activity spurring it on. The warming continues at moderate rates today.

Last Glacial Maximum (18,000 ¹⁴C years ago)

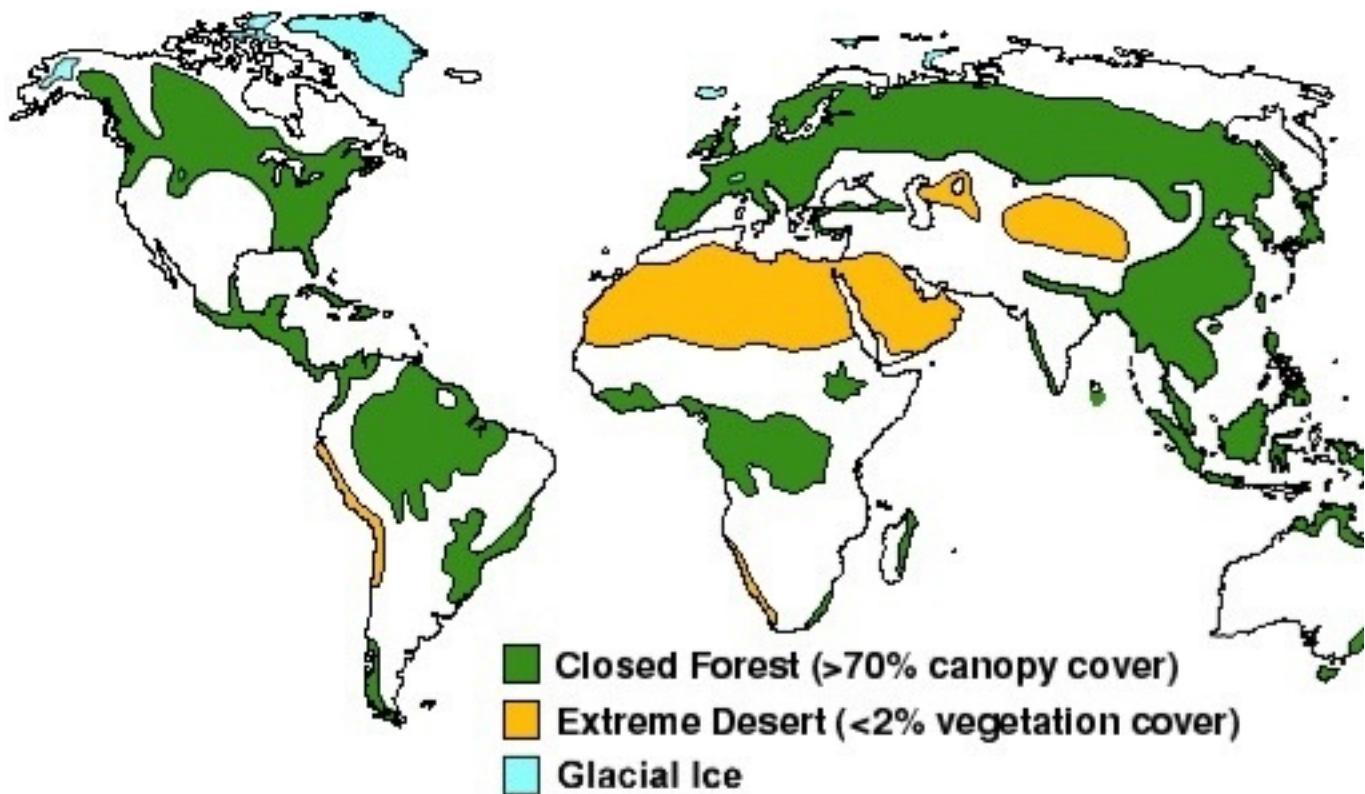


The World 18,000 Years Ago

Before "global warming" started 18,000 years ago most of the earth was a frozen and arid wasteland. Over half of earth 's surface was covered by glaciers or extreme desert. Forests were rare.

Not a very fun place to live

Present Potential Vegetation



Our Present World

"Global warming" over the last 15,000 years has changed our world from an *ice box* to a *garden*. Today extreme deserts and glaciers have largely given way to grasslands, woodlands, and forests.

Wish it could last forever, but

[A Brief History of Ice Ages and Warming](http://www.geocraft.com/WVFossil...)

<http://www.geocraft.com/WVFossil...>

The World Is Warming But the Antarctic Is Getting Colder

by Jess Shankleman

July 20, 2016, 10:00 AM PDT

Trend toward warmer temperatures in the region paused in 1990s

Changes may be in step with natural variation, researchers say -

[The World Is Warming But the Antarctic Is Getting Colder](#)

The Little Ice Age is critical

Between the early 14th and late 19th centuries, a period of cooling known as the Little Ice Age chilled the planet. [Little Ice Age, Big Consequences - History in the Headlines](#) - Little Ice Age, Big Consequences. January 31 ... It killed an estimated 75 million people, including 30 to 60 percent of Europe's population. Jan 31, 2012 -



Skating on the Thames River in England 1600.

The cause of the Little Ice Age is not known for certain; however, climatologists contend that reduced solar output, changes in [atmospheric circulation](#), and explosive [volcanism](#) may have played roles in bringing about and extending the phenomenon.

Variability in solar output

It has long been understood that low [sunspot](#) activity is associated with lower solar output and thus less energy available to warm Earth's surface. Two periods of unusually low sunspot activity are known to have occurred within the Little Ice Age period: the [Spörer Minimum](#) (1450–1540) and the [Maunder Minimum](#) (1645–1715). Both [solar minimums](#) coincided with the coldest years of the Little Ice Age in parts of Europe. Some scientists therefore argue that

reduced amounts of available **solar radiation** caused the Little Ice Age. However, the absence of sunspots has not explained the brief cooling episodes that occurred in other parts of the world during this time. As a result, many scientists argue that reduced solar output cannot be the sole cause of the interval.

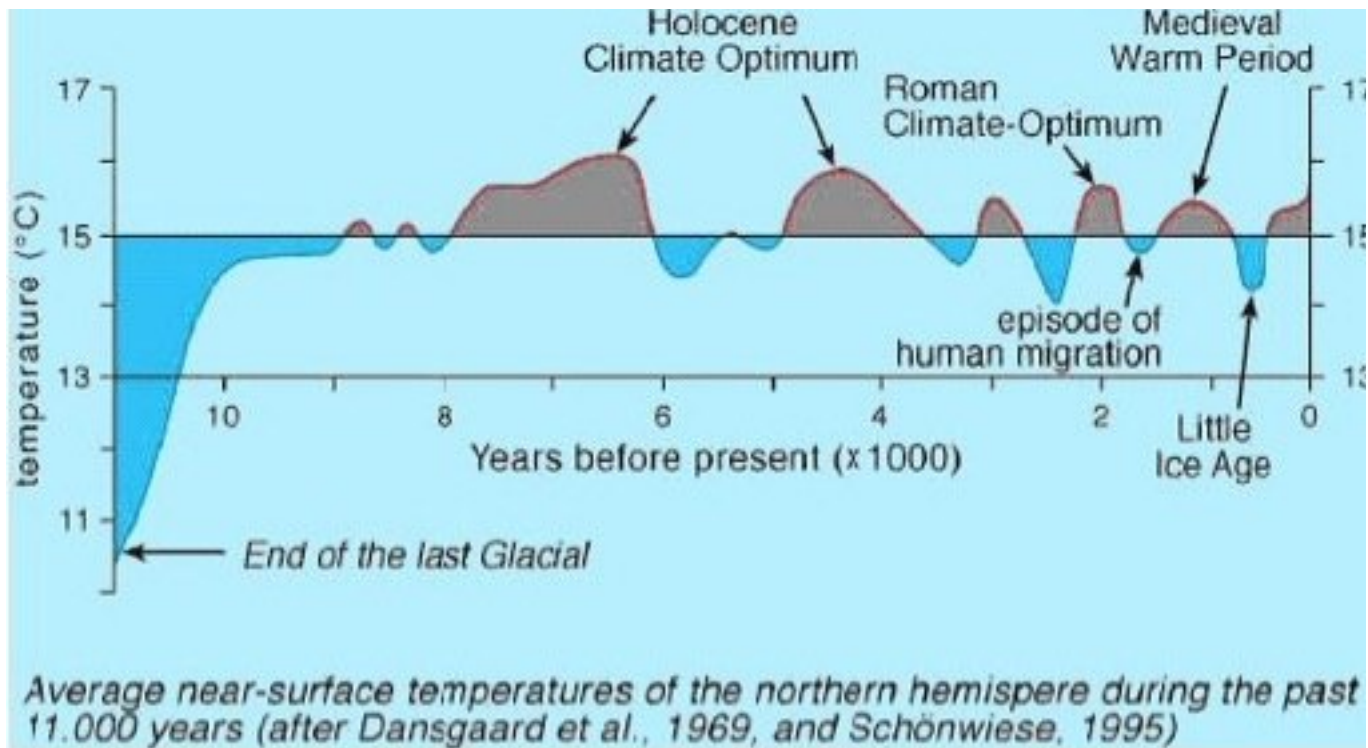
Changes in large-scale atmospheric patterns

Many scientists maintain that the Little Ice Age in Europe resulted from a reversal of the **North Atlantic Oscillation** (NAO), a large-scale atmospheric-circulation pattern over the North Atlantic and **adjacent** areas. The NAO is believed to have a large influence over winter weather in Europe. During its “positive” phase, characterized by a strong **subtropical high-pressure** cell over the Azores and a low-pressure cell over Iceland, the track of North Atlantic storms is roughly centred over the British Isles and northern Europe. During the NAO’s “negative” phase, characterized by a weak high-pressure cell over the Azores and a weak low-pressure cell over Iceland, moisture is funneled toward the Mediterranean, and cold **Arctic** air from Russia moves over northern Europe. Changes in the phases of the NAO may partly explain the variability in climate during the Little Ice Age as well as the known intervals of cooler-than-normal conditions in some European regions.

Increased volcanism

Cool conditions in different regions during the Little Ice Age may have been influenced by explosive volcanic eruptions, such as the eruptions of **Laki** in Iceland in 1783 and **Tambora** on Sumbawa Island in 1815. Explosive eruptions propel gases and ash into the **stratosphere**, where they reflect incoming solar radiation. Consequently, they have been linked to conditions of lower average temperature around the world that may last a few years. Some scientists hypothesize that such volcanic activity may strengthen and

extend the negative phase of the NAO, thus bringing on cooler conditions in northern Europe. Other scientists, however, argue that explosive eruptions may be linked to warmer winter conditions across northern Europe. Climate change happens in cycles over centuries and thousands of years not in a couple of decades. This means the U.N. obsession with global warming from human activity from 1990 is a badly flawed time period. . The paleoclimate record for our Holocene period shows the relevant time period must be at least 100 years or more. Encyclopedia Britannica



This insight is comforting. Based on longer time scales there is little reason to panic, particularly when the weather, climate variability and IPCC predictions are not cooperating with reality. Even more, paleoclimate assures us we are at the end of a warming cycle soon to turn very cold as we head into the next little ice age.

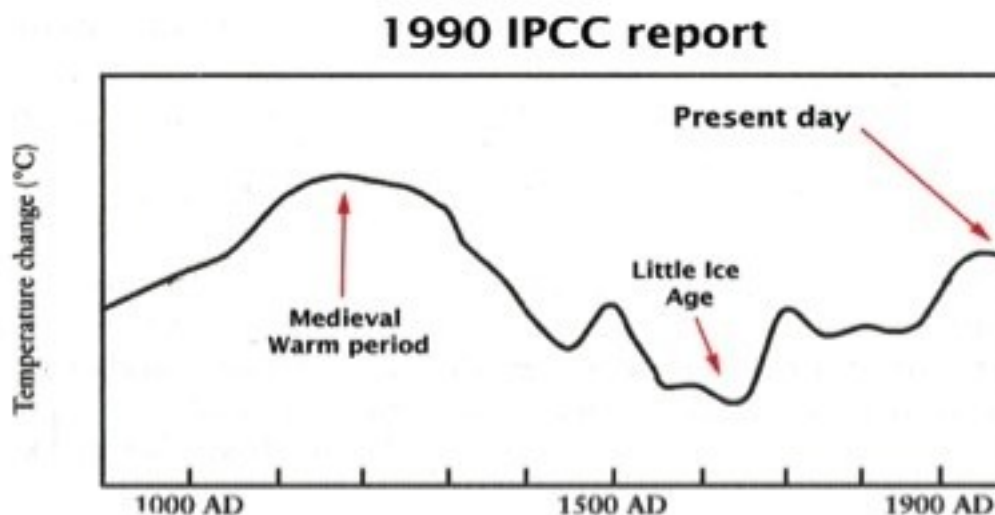
The whole scare about new global warming depended on the fudged data of Michael Mann ignoring the Medieval

Warm Period to show a catastrophic warming.

Corrupt data to support hot climate

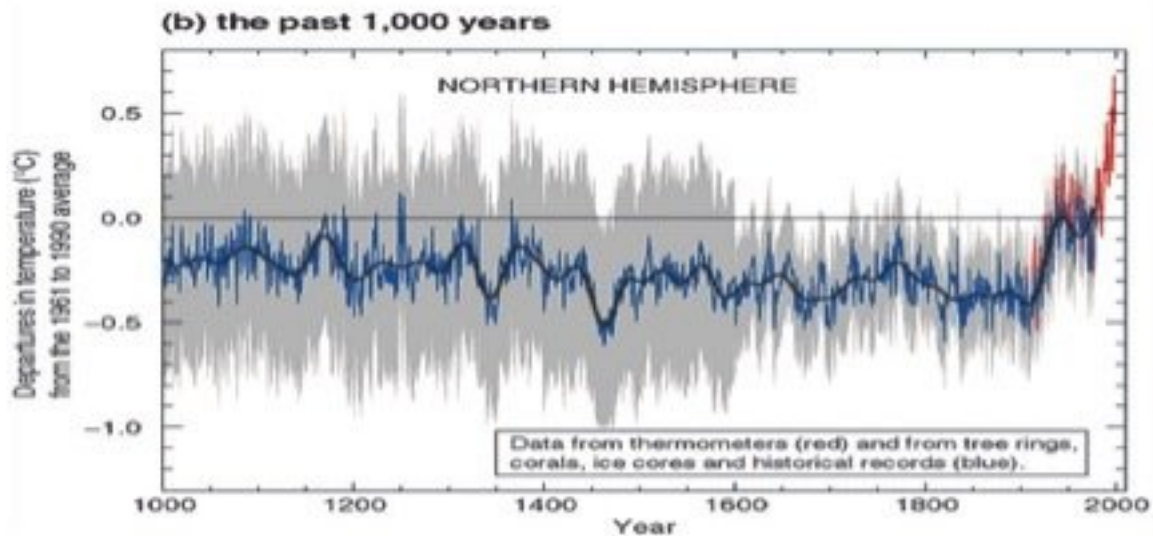
From the beginning the UN climate alarm campaign was bedevilled with blatant data manipulation and corruption. In every case the misleading or missing data was intended to bolster a public belief that the planet is warming more than reality showed. The most infamous and effective deception was the hockey stick graph of Michael Mann showing a dramatic spike in global warming recently. Without the misleading hockey stick graph the Al Gore campaign of fear would not have happened.

”To understand the manipulation see the same time scale with the proper history represented also by the same IPCC below. *In its 1990 report, the IPCC showed the following graph of global temperatures over the last thousand years.*•



This was unexceptional. It showed the established science of the time. It was backed up by a huge amount of data and historical record. It showed the Mediaeval Warm Period, warmer than now, and the Little Ice Age, colder than now, and both entirely natural. But of course this did not suit the

purposes of the climate alarm establishment. In its 2001 report, this new graph appeared.



The graph made an immediate sensation. It featured six times in the IPCC's 2001 report. It was brandished around the world as proof positive of dangerous manmade global warming.

In Canada it was distributed to every school. It showed that the Mediaeval Warm Period and the Little Ice Age had not existed. It was exactly what every alarmist wanted to see. It was complete nonsense. It is called the "Hockey Stick" graph because the first flat part resembles the handle of an ice hockey stick, the sudden upturn the blade. The graph was based on two papers in Nature magazine (MBH98 and MBH99). It made the authors famous, especially the lead author, Michael Mann, and greatly advanced their careers in climate alarm. For a long time nobody questioned it or the data it was drawn from. Then a Canadian statistical expert, Steve McIntyre, asked to see the data. Eventually, reluctantly, it was ceded to him. He quickly showed that such data could not yield a Hockey Stick. The graph was pure quackery. The authors had used illegitimate statistical means, especially short-centring the data series for principal component analysis (a statistical method for

identifying trends in a mass

This probably represents the worst corruption of science in the history of climate alarm.

Many scientists have been warning politicians for some time that the storm clouds are gathering, and that the IPCC saga is likely to be the biggest scandal in the history of science... Worse, some scientists at the Climatic Research Unit appear to have been working in league with US scientists who compiled the climate data for the Goddard Institute for Space Studies. The latter data appear to contain numerous biases which inflate the supposed natural warming of the 20th century. (In fact satellite data shows there has been no global warming since the late 1970s and cooling since 2001, see graph.) In the USA the Competitive Enterprise Institute has now filed three Notices of Intent to File Suit against the Goddard Institute over their 3-year refusal to provide documents requested under the US Freedom of Information Act.

Mathematician Christopher Monckton, former scientific advisor to Margaret Thatcher, describes those implicated by the leaked emails as a "Close-knit clique of climate scientists who invented and now drive the "global warming" fraud -- for fraud is what we now know it to be -- and tampered with temperature data". He adds "I have reported them to the UK's Information Commissioner, with a request that he investigate their offences and, if thought fit, prosecute".

Australia's Professor Ian Plimer agrees with Monckton's position, saying "Here we have the Australian government underpinning the biggest economic decision this country has ever made and it's all based on fraud."

<http://www.undeceivingourselves....>

Mann has tried to revise history arguing this Medieval warming time was not global. This fudge also has been easily refuted. See research published in Science 01 Nov.

**2013 Vol. 342, Issue 6158, pp. 617-621 DOI:
10.1126/science.1240837**

by Yair Rosenthal^{1,*}, Braddock K. Linsley², Delia W. Oppo³
Extreme weather comes from a colder climate

Cold snaps like the ones that hit the eastern United States in the past winters are not a consequence of climate change. Scientists at ETH Zurich and the California Institute of Technology have shown that global warming actually tends to reduce temperature variability.

*Scientists at ETH Zurich and at the California Institute of Technology, led by Tapio Schneider, professor of climate dynamics at ETH Zurich, have come to a different conclusion. They used climate simulations and theoretical arguments to show that in most places, the range of **temperature fluctuations** will decrease as the climate warms. So not only will cold snaps become rarer simply because the climate is warming. Additionally, their frequency will be reduced because fluctuations about the warming mean temperature also become smaller, the scientists wrote in the latest issue of the *Journal of Climate*.*

March 27, 2015

<http://phys.org/news/2015-03-cli...>

Winters are not moderate

The IPCC reports stated in the future winters will be moderate without snow. No. Winters are consistently breaking temperature records over the past decade. Winter weather is not climate change, but it is natural climate variability related to declining solar radiation.

<https://www.academia.edu/9561956...>

Beijing Report: Another unusually harsh winter in Mongolia that's decimating livestock and sending temperatures to minus 56 degrees Celsius (minus 70 Fahrenheit) may create a humanitarian crisis, with worse conditions still to come, aid groups warn.

A dzud typically happens once a decade but could strike for the second consecutive year. The dzud last year killed more than 1

million animals, afflicting the majority of Mongolians who depend on livestock for food, milk and income



<http://www.theintelligencer.com/...>

NATURAL CAUSES OF CLIMATE CHANGE

Leading scientists discredit the man made global warming theory with cogent reasoning. Here is a list with reasons of the top ten prominent climate scientists refuting the United Nations IPCC.



Many scientists refute AGW (manmade global warming) with solid facts, data and research. Some even show evidence of global cooling.

Scientist #1 Refuting Manmade Global Warming: Dr. David Evans

[Dr. David Evans](#) used to work for the Australian Greenhouse Office (the main modeler of carbon in Australia's biosphere) from 1999 to 2005. He has 6 degrees, including a PhD from Stanford in electrical engineering. Evans believes that CO₂ has been causing global warming over the last century, but investigates the question: how much global warming does CO₂ cause? In 2012, Evans pointed out how the IPCC (the very political Intergovernmental Panel on Climate Change) models were flawed. These models are based on data sourced by NASA and Argo satellites, and assume that CO₂ is the only warming agent. They fail to take into consideration other warming agents. He shows how the models, both for air and water, have consistently over-estimated, predicting warming that never happened. Evans shows data from Envisat (European satellites) which reveal how the sea level is rising 0.33 mm per year (3.3 cm per century), far below what the IPCC predicts (26-59 cm per century) and fearmonger Al Gore predicted (20 feet per century!). Evans compares the models vs. reality, and concludes:

"The climate model's understanding of the atmosphere is

incompatible with the data ... the data is being suppressed ... this is not about science and truth, it's about power and politics.” “The Copenhagen Treaty that was almost signed in 2009 would have created a worldwide bureaucracy that could override, tax, and fine national governments. This was a narrowly-averted silent coup, with clearly flawed climate “science” just an excuse ... (we still face) the threat of a bureaucratic coup using climate as an excuse.”

Money train: the manmade global warming or AGW movement is a gravy train.

Scientist #2 Refuting Manmade Global Warming: Dr. Denis Rancourt

[Dr. Denis Rancourt](#) believes that the idea that global warming, on its own, could negatively impact the environment, is tenuous at best. He describes manmade global warming as a **psychological and social phenomenon** backed by no solid scientific evidence. The problem is that the AGW movement has become a **giant gravy train** (estimated to be worth anywhere between [\\$22 billion](#) to [\\$1.5 trillion per year](#)). It's hard for scientists and politicians alike to get off such a comfortable and profitable moving vehicle, since their prestige, reputations and salaries all depend on it.



Money train: the manmade global warming or AGW movement is a gravy train.

He reveals how real activists understand that the AGW is not true activism, but rather an **invention of the privileged world:**

“NGOs and environmental groups who agree to buy into the global warming thing benefit from it a lot, in the sense that the powerful interests ... fund them.

They have to pretend they are doing important research without ever criticizing powerful interests.

They look for comfortable lies ... they look for elusive, sanitized things like acid rain, global warming ... it helps to neutralize any kind of dissent ... if you're really concerned about saving the forest, habitat destruction and so on, then fight against habitat destruction; don't go off into this tenuous thing about CO2 concentration ...”

If only the hijacked environmental movement could see the obvious: carbon dioxide is a nutrient, not a poison.

Scientist #3 Refuting Manmade Global Warming: Freeman Dyson

The 91-year-old mathematical physicist and scientist at Princeton University, [Freeman Dyson](#), started studying the effects of carbon dioxide on vegetation 37 years ago! His work has shown how the increase in CO₂ has been overall very beneficial for the Earth:

“There are huge non-climate effects of carbon dioxide which are highly favorable ... The whole Earth is growing greener as a result of carbon dioxide in the atmosphere, so it’s increasing agricultural yields, forests and all kinds of growth in the biological world – and that’s more important and more certain than the effects on climate.

It’s enormously important for food production ... “



If only the hijacked environmental movement could see the obvious: carbon dioxide is a nutrient, not a poison.

Dr. Judith Curry fell into groupthink on the topic of manmade global warming.

Scientist #4 Refuting Manmade Global Warming: Dr. Judith Curry

[Dr. Judith Curry](#) is Professor and former Chair of the School of Earth and Atmospheric Sciences at the Georgia Institute of Technology. She used to be on board with the AGW agenda, but

after the November 2009 **ClimateGate email scandal**, she changed her mind. She saw a lot of “*sausage-making and bullying*” was needed to build a consensus. She realized she had fallen into **groupthink**, based on second-order evidence: the (mere) assertion that a consensus existed. She was subsequently labeled a **climate heretic**. This is interesting, and suggests parallels between the religious fanaticism of the manmade global warming movement and the **Inquisition** – which persecuted and killed those who thought differently. Many have said that AGW is a religion. In her testimony Curry states:

“No one questions that surface temperatures have increased since 1880 ... however there is considerable uncertainty and disagreement about the most consequential issues: whether the warming has been dominated by human causes vs. natural variability, how much the planet will warm in the 21st century, and whether the warming is dangerous.

We have been misled in our quest to understand climate change by not paying sufficient attention to natural causes of climate variability, in particular to the sun and from the long term oscillations and ocean circulations. How, then, and why, have climate scientists come to a consensus about a very complex scientific problem, that the scientists themselves acknowledge has substantial and fundamental uncertainties? Climate scientists have become entangled in an acrimonious political debate ...”

Carbon dioxide – not the enemy! (CO₂ is the basis of the manmade global warming myth)

Scientist #5 Refuting Manmade Global Warming: Professor & Nobel Laureate in Physics Ivar Giaever

Professor **Ivar Giaever**, the 1973 Nobel Prizewinner for Physics, talks about how manmade global warming has become the new religion which cannot be challenged. He likens CO₂ fearmongering to the story of the Emperor’s new clothes. The purported **97% consensus** and the **hockey stick graphs** are both utterly fake. He states that:

“Global Warming is pseudoscience ... from 1880 to 2013 the temperature has increased from ~288K to 288.8K (0.3%) ... the temperature has been amazingly stable.

Is it possible that all the paved roads and cut down forests are the cause of “global warming”, not the CO2?

CO2 is not pollution.”

Giaever also mentions the solution proposed by Steven Chu, former US Energy Secretary and 1997 Nobel Prize winner in Physics. Chu suggested painting all roof tops white – which would help reflect sunlight and lower warming, if in fact global warming is occurring.

Dr. Don Easterbrook shows copious evidence to refute manmade global warming, by demonstrating that global cooling is in effect.

Scientist #6 Refuting Manmade Global Warming: Dr. Don Easterbrook

While the above 5 scientists believe there is some kind of global warming occurring (manmade or not), the following 5 scientists refute AGW by claiming the world is undergoing **global cooling**.

[Dr. Don Easterbrook](#) (in his presentation of 2013), Professor Emeritus of Geology at Western Washington University, exposes how the **data has been tampered with** (by NASA, NOAA and the National Science Foundation). He points out that:

- all high temperature records were set in 1930s before the rise of CO2;
- global cooling has been in effect since 1998, according to ground and satellite measurements;
- both the Arctic and Antarctic ice sheets are growing;
- CO2 is incapable of causing global warming (given that it constitutes 38/1000th of 1 percent of atmospheric gases);
- there is no correlation between CO2 and temperature;
- CO2 follows temperature rather than preceding or causing it;
- the sea level is rising (Seattle in specific) and falling (US Pacific Northwest in general) depending on where you are, and that the sea is rising at a very slow and constant rate;

- extreme weather (such as hurricanes) has not increased;
- snowfall has increased across the US; and
- that the oceans are still very alkaline (pH 8.2) not acidic.

Scientist #7 Refuting Manmade Global Warming:

Meteorologist & Physicist Piers Corbyn

Meteorologist and physicist [Piers Corbyn](#), brother of UK Labour leader Jeremy Corbyn, claims the world is cooling. He states outright that *“there is no such thing as **manmade climate change**“*. He also states that *“the truth is the IPCC of the UN is a political not a scientific body, and it even amends scientific documents before publication to conform to diplomatic niceties.”*

The scientists are politically appointed to the IPCC. Corbyn explains that “science” as we think of it gets so entrenched in its current thinking that it’s often difficult for new theories or more accurate explanations to break through the status quo. As esteemed scientist Max Planck once said:

“A new scientific truth does not triumph by convincing its opponents and making them see the light, but rather because its opponents eventually die, and a new generation grows up that is familiar with it.”

This Aussie cartoon depicts how the manmade global warming scam works all over the world. Credit: Steve Hunter.

Scientist #8 Refuting Manmade Global Warming: Professor and Geologist Bob Carter

Former Professor and marine geologist [Bob Carter](#) points out that 280 ppm (parts per million) of carbon dioxide in the atmosphere, or even 390 or 560 ppm, is suboptimal for plant growth. There could be way higher levels and it still wouldn’t be anything like “dangerous”! In this [presentation](#) on climate change, he exposes how kids are being trained to spy on their parent’s energy usage and become “climate cops”, and how the UN predicted 50 million “climate refugees” by 2010 (whoops!!). Interestingly, although he is Australian, Carter quotes the former [US President Eisenhower in his famous farewell speech](#) to show how Government money corrupts honest science and free,

critical thinking:

“Akin to, and largely responsible for the sweeping changes in our industrial-military posture, has been the technological revolution during recent decades. In this revolution, research has become central; it also becomes more formalized, complex, and costly. A steadily increasing share is conducted for, by, or at the direction of, the Federal government.

Today, the solitary inventor, tinkering in his shop, has been overshadowed by task forces of scientists in laboratories and testing fields. In the same fashion, the free university, historically the fountainhead of free ideas and scientific discovery, has experienced a revolution in the conduct of research. Partly because of the huge costs involved, a government contract becomes virtually a substitute for intellectual curiosity ... the prospect of domination of the nation’s scholars by Federal employment, project allocations, and the power of money is ever present – and is gravely to be regarded.

Yet, in holding scientific research and discovery in respect, as we should, we must also be alert to the equal and opposite danger that public policy could itself become the captive of a scientific-technological elite.”

That is exactly what has happened now around the world – Government in general has become too big and is interfering too much in many things, including its paid-for “science”, so mainstream research has lost its independence and credibility. John Casey provides evidence of sun-driven global cooling, and shows that manmade global warming is nonsense.

Scientist #9 Refuting Manmade Global Warming: Engineer & Former White House Advisor John Casey

[John Casey](#) is a former White House national space policy advisor, NASA headquarters consultant, space shuttle engineer and author. He wrote the book *Cold Sun* which contains his research into global cooling. Casey investigated solar activity and concluded that we are now in a solar cycle or phase which could will lead to global cooling, not global warming, for the next

30 years to come. He claims this new cold climate will have a severe and dangerous affect on the world. In *Cold Sun* he provides evidence for the following:

- the end of global warming;
- the beginning of a “solar hibernation”;
- a historic reduction in the energy output of the Sun;
- a long-term drop in the Earth’s temperatures;
- the start of the next climate change to decades of dangerously cold weather; and much more.

Casey experienced firsthand in the White House how the US Government fired anyone not toeing the line with AGW propaganda – and has the power easily destroy the career and livelihood of any contractor (scientist) who dissented.

John Coleman’s public memo or “Cease and Desist” Notice on manmade global warming. It would be funny if the situation weren’t embezzlement on a grand scale ...

Scientist #10 Refuting Manmade Global Warming:

Meteorologist John Coleman

Meteorologist [John Coleman](#) has studied the facts about global warming and asserts that the data shows we are not undergoing global warming, manmade or not. He reveals how a great scientist named Roger Revelle happened to have Al Gore in his class at Harvard – and thus the Global Warming campaign was born. Revelle tried to calm things down years later, but Gore went on to become Vice President, make a documentary, win an Oscar and win the Nobel Peace Prize. Gore said Revelle was senile and refused to debate him. Coleman shows how tax dollars are perpetuating the manmade global warming alarmist campaign despite the hard evidence.



Al Gore, champion of the manmade global warming agenda at the (satirical) Church of Climatology! Credit: David Dees.

The campaign of climate fear led by Al Gore mistakenly links meteorological events like floods, drought, extreme winters with climate change.

*Oxford climate scientist Myles Allen chides , “**Al Gore is doing a disservice to science by overplaying the link between climate change and weather.**” To claim that we are causing meteorological events that would not have occurred without human influence is just plain wrong says [Myles Allen](#). [Al Gosaid last week](#) that scientists now have clear proof that climate change is directly responsible for the extreme and devastating floods, storms and droughts that displaced millions of people this year, *Not true.**

<https://www.theguardian.com/envi...>

Conclusion: The Science is FAR from Settled

This list of 10 is a tiny sample – and also noteworthy in that almost none of the above have been shown to be bought off by Big Oil, a charge often aimed at so-called *climate deniers*. All of the above scientists appear to be acting from a pure motive of telling the truth for truth’s sake. In actuality, there are thousands

of qualified scientists all over the world opposing AGW. A few more that didn't make the list were Piers Forster (Climate Change Professor, Leeds University) who said:

“Global surface temperatures have not risen in 15 years. They make the high estimates unlikely.”

and Dr. David Whitehouse (Global Warming Policy Foundation) who stated:

“This changes everything. Global warming should no longer be the main determinant of economic or energy policy.”

[10 Prominent Scientists Refuting AGW \(Manmade Global Warming\) with Solid Research](#)

Natural climate is chaotic and unpredictable

The causes of climate change often contradict each other i.e some make the climate colder while others warmer. There is no way to hold constant any of these factors in order to analysis another factor like Green House Gases. The “climate noise” of those other factors not being analyzed will always interfere with the analysis. This is certainly true of the alarmist theory demonizing carbon dioxide from fossil fuels as it runs head into natural climate variability from solar radiation etc.

Science literature well documents that the IPCC computer models and reports run too hot. The report that predicted in 2001 that winters would be moderate without snow under their theory of catastrophic global warming could not be farther from the truth. Here is peer reviewed research from leading climate scientists explaining why all of the projections of the alarmists run too hot ›

Why models run hot: results from an irreducibly simple climate model

- 1st [Christopher Monckton](#)
- 2nd [Willie W.-H. Soon](#)
- 3rd [David R. Legates](#)
- 4th [William M. Briggs](#)

Abstract

An irreducibly simple climate-sensitivity model is designed to

empower even non-specialists to research the question how much global warming we may cause. In 1990, the First Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) expressed “substantial confidence” that near-term global warming would occur twice as fast as subsequent observation. Given rising CO₂ concentration, few models predicted no warming since 2001. Between the pre-final and published drafts of the Fifth Assessment Report, IPCC cut its near-term warming projection substantially, substituting “expert assessment” for models’ near-term predictions. Yet its long-range predictions remain unaltered. The model indicates that IPCC’s reduction of the feedback sum from 1.9 to 1.5 W m⁻² K⁻¹ mandates a reduction from 3.2 to 2.2 K in its central climate-sensitivity estimate; that, since feedbacks are likely to be net-negative, a better estimate is 1.0 K; that there is no unrealized global warming in the pipeline; that global warming this century will be IPCC in its Fourth and Fifth Assessment Reports that are highlighted in the present paper is vital. Once those discrepancies are taken into account, the impact of anthropogenic global warming over the next century, and even as far as equilibrium many millennia hence, may be no more than one-third to one-half of IPCC’s current projections.

· January 2015

DOI: 10.1007/s11434-014-0699-2

Climate Alarmists Have Been Wrong About Virtually Everything

Written by Alex Newman

<http://www.thenewamerican.com/te...>

Dr. John Christy, professor of atmospheric science and director of the Earth System Science Center at the University of Alabama Huntsville (UAH), analyzed all 73 UN computer models. “I compared the models with observations in the key area — the tropics — where the climate models showed a real impact of greenhouse gases,” Christy told CNSNews. “I wanted to compare the real world temperatures with the models in a place

where the impact would be very clear.”

Using datasets of temperatures from NASA, the U.K. Hadley Centre for Climate Prediction and Research at the University of East Anglia, NOAA, satellites measuring atmospheric and deep oceanic temperatures, and a remote sensor system in California, he found, “All show a lack of warming over the past 17 years.” In other words, global warming has been on “pause” for almost two decades — a fact that has been acknowledged even by many of the most zealous UN climate alarmists. “All 73 models’ predictions were on average three to four times what occurred in the real world.”

No explanation for what happened to the warming — such as “the oceans ate my global warming” — has withstood scrutiny. Almost laughably, in its latest report, the UN IPCC increased its alleged “confidence” in its theory, an action experts such as Christy could not rationalize. “I am baffled that the confidence increases when the performance of your models is conclusively failing,” he said. “I cannot understand that methodology.... It’s a very embarrassing result for the climate models used in the IPCC report.” “When 73 out of 73 [climate models] miss the point and predict temperatures that are significantly above the real world, they cannot be used as scientific tools, and definitely not for public policy decision-making,” he added.

Other warming predictions have also fallen flat. For instance, for almost two decades now, climate alarmists have been claiming that snow would soon become a thing of the past.

The end of snow: The IPCC has also hyped snowless winters. In its 2001 report, it claimed “milder winter temperatures will decrease heavy snowstorms.” Again, though, the climate refused to cooperate. The latest data from Rutgers’ Global Snow Lab showed an all-time new record high in autumn snow cover across the northern hemisphere in 2014, when more than 22 million square kilometers were covered.

The Extent of Natural Climate Variability

Here is the caution from the most comprehensive and critical

analysis of climate by the National Research Council entitled, **“GLOBAL ENVIRONMENTAL CHANGE Research Pathways for the Next Decade**

Findings of the paleoclimate community have shown the large degree of natural climate variability present in the climate record on many timescales. The impressive and often abrupt swings in climate recorded over the past several thousand years, such as the Little Ice Age, may if anything understate the potential for natural climate variability. ...With or without anthropogenic greenhouse warming, we must recognize the potential for the Earth's climate system to change, over a human lifetime, in ways that may have direct and important consequences on society and people's quality of life...

*Climate change is produced by single forcings (e.g., volcanism) and multiple forcings that can act nonlinearly to produce **climate “surprises.**”* [emphasis added]

<https://www.nap.edu/read/5992/ch...>

Pacific Ocean Heat Content During the Past 10,000 Years

Deep Heating

Global warming is popularly viewed only as an atmospheric process, when, as shown by marine temperature records covering the last several decades, most heat uptake occurs in the ocean. How did subsurface ocean temperatures vary during past warm and cold intervals? Rosenthal et al. (p. 617) present a temperature record of western equatorial Pacific subsurface and intermediate water masses over the past 10,000 years that shows that heat content varied in step with both northern and southern high-latitude oceans. The findings support the view that the Holocene Thermal Maximum, the Medieval Warm Period, and the Little Ice Age were global events, and they provide a long-term perspective for evaluating the role of ocean heat content in various warming scenarios for the future.

Abstract

Observed increases in ocean heat content (OHC) and temperature are robust indicators of global warming during the

past several decades. We used high-resolution proxy records from sediment cores to extend these observations in the Pacific 10,000 years beyond the instrumental record. We show that water masses linked to North Pacific and Antarctic intermediate waters were warmer by $2.1 \pm 0.4^{\circ}\text{C}$ and $1.5 \pm 0.4^{\circ}\text{C}$, respectively, during the middle Holocene Thermal Maximum than over the past century. Both water masses were $\sim 0.9^{\circ}\text{C}$ warmer during the Medieval Warm period than during the Little Ice Age and $\sim 0.65^{\circ}$ warmer than in recent decades. Although documented changes in global surface temperatures during the Holocene and Common era are relatively small, the concomitant changes in OHC are large. We should celebrate the carbon cycle.

Conclusion we should celebrate increased CO2

Carbon dioxide is the staff of our life and essential to plant life through photosynthesis. Human emissions of non-polluting carbon dioxide are tremendously beneficial and should be celebrate . Dr. Patrick Moore gives a cogent analysis why increased carbon dioxide in the atmosphere is saving us from the inevitable next ice age.

[The TRUTH about carbon dioxide \(CO2\): Patrick Moore, Sensible Environmentalist](#)

Science or Science Fiction? Professionals' Discursive Construction of Climate Change

[Science or Science Fiction? Professionals' Discursive Construction of Climate Change](#)

[Lianne M. Lefsrud, Renate E. Meyer](#)

First Published November 19, 2012 research-article

Abstract

This paper examines the framings and identity work associated with professionals' discursive construction of climate change science, their legitimation of themselves as experts on 'the truth', and their attitudes towards regulatory measures. Drawing from survey responses of 1077 professional engineers and geoscientists, we reconstruct their framings of the issue and knowledge claims to position themselves within their

organizational and their professional institutions...

Introduction

With all of the hysteria, all of the fear, all of the phony science, could it be that man-made global warming is the greatest hoax ever perpetrated on the American people? (Inhofe, 2003)

•

Frame 2: Nature is overwhelming

The second largest group (24%) express a 'nature is overwhelming' frame. In their diagnostic framing, they believe that changes to the climate are natural, normal cycles of the Earth. Their focus is on the past: 'If you think about it, global warming is what brought us out of the Ice Age.' Humans are too insignificant to have an impact on nature: 'It is a mistake to think that human activity can change this... It would be like an ant in a bowling ball who thinks it can have a significant influence the roll of the ball.' More than others, they strongly disagree that climate change poses any significant public risk and see no impact on their personal lives. In their prognostic framing, they do not see any risks. If anything, climate change detracts from more important issues: 'Why don't we focus on more urgent issues... 25,000 people die each day due to hunger, malaria ...' They are most likely to speak against climate science as being science fiction, 'manipulated and fraudulent'. They are least likely to believe that the scientific debate is settled, that IPCC modeling is accurate, and oppose all regulation 'based on the incorrect assumption that greenhouse gases cause climate change'. They recognize that we should reduce pollution regardless: 'We need to adapt to climate change, which has been going on for 4 billion years. We need to reduce polluting our planet.' In their identity and boundary work, they are least likely to list others as allies or prescribe any actions for themselves or others. Significantly, they are more likely to criticize others as unknowledgeable and to describe climate scientists and environmentalists as hysterical: 'This present hysteria on "global warming" is purely political and has little to do with real science.' APEGA 'should educate the

public and the government ... to counteract media hype and pressure from the green extremists.'

Arctic Polar Bear Numbers Stable

Posted 28 February 2017 by [NetNewsLedger](#) in [Anishinaabe NetNewsLedger - Thunder Bay News - Arctic Polar Bear Numbers Stable](#)

Arctic Polar Bear

Polar bear and yearlings on an ice floe, Nunavut, Canada. © Lee Narraway / Students on Ice (WWF-Canada)

Climate Change Still Major Threat to Long Term Stability

IQALUIT – [Newly released survey results](#) show two of Canada's 13 polar bear subpopulations, previously thought to be declining, are likely stable and one could even be increasing.

David Miller, president and CEO of WWF-Canada, says "Though it is encouraging to see these polar bear populations are stable, climate change will continue to have a significant impact on the quality and availability of their habitat. Sea ice is vital for polar bears. This survey, coupled with anticipated continuing sea-ice declines, underscores the importance of protecting the Last Ice Area – where summer sea ice is expected to last the longest – for the long-term health of this species."

Brandon Laforest, senior specialist, Arctic species and ecosystems for WWF-Canada, comments "This work has helped to establish a reliable estimate for these polar bear subpopulations, a key component for the creation of a comprehensive conservation plan and a baseline from which to measure their health in the future. The decreases in reproduction and body condition of polar bears in Baffin Bay are very concerning. As sea ice continues to decline, frequent and timely monitoring of polar bear subpopulations across Canada will be necessary to ensure co-management boards can make informed decisions."

But the decline of Arctic sea ice is still a major threat to the species' long-term survival, the survey report says.

What the report finds

•

The Baffin Bay and Kane Basin subpopulations are now estimated to be 2,826 and 357 bears, respectively. These numbers are higher than the last time the bears were surveyed in the 1990s.

•

The Baffin Bay subpopulation has experienced dramatic losses in sea-ice habitat. Every decade since 1979 has seen an ice-free period that lasts on average 12 days longer, and sea ice melt is occurring three to four weeks earlier in the 2000s than it did in the 1990s. For Baffin Bay polar bears, this habitat loss has resulted in a shift in range northward in all seasons, and bears spending 20 to 30 days more on land now compared to the 1990s.

•

Though the subpopulations are currently stable, the report outlines many areas of concern for the Baffin Bay subpopulation related to declining sea ice due to climate change. This has resulted in:

Decreases in body condition.

Declines in cub production.

An increase in the frequency of long swimming events for female polar bears.

•

These subpopulations are shared between Canada (Nunavut) and Greenland.

[Scientists Surprised: Global Sea Ice Unexpectedly Stable Over Past 35 Years, Arctic Stable Last 10 Years!](#)

By P Gosselin on 14. November 2015

It's a good time to take a look at how global sea ice is doing at both poles. We were told over and over that the poles are the canary in the coal mine for global warming.

If the sea ice melt trend accelerated, we were warned, then the planet was warming rapidly and societies would be wise to prepare quickly for long-term sea level rise.

But nothing has happened at the poles so far.

Like everything related to climate and weather, there's a lot of volatility built into the infinitely complex system, and so short term changes should not be viewed hysterically.

It is important to keep the focus on the long term and to keep a rational head. When that is done, then we quickly see that there is nothing to worry about and that all the climate indicators are all well within the normal range of natural variability.

The following chart shows Arctic sea ice coverage anomaly from the mean since satellite measurements began in 1978:

The above chart, from arctic.atmos.uiuc.edu/cryosphere, shows that the Arctic sea ice was in fact quite stable from 1979 to 2002, trending downward only slightly. Then from 2002 to 2007, a period of only 5 years, the sea ice saw almost all of its melting. Over the past 10 years, however, the Arctic sea ice has been stable, even growing some over the past 6 years.

Indeed a number of scientists are projecting the Arctic sea ice to recover as the Atlantic Multidecadal Oscillation (AMO) enters its negative mode of its typical 50-60 year cycle.

It needs to be pointed out that 35 years is a short period when attempting to derive long term sea ice trends. Let us recall it is known that the Arctic sea ice coverage moves in multidecadal cycles, impacted heavily by natural oceanic cycles.

In the 1950s photos of an ice-free north pole are famous. Old newspaper clippings from the early 20th century quoted scientists who reported "dramatic melting" in the Arctic.

Easy Plugin for AdSense V8.67 [midtext: 0 urCount: 0 urMax: 0]

Easy Plugin for AdSense V8.67

Antarctic accelerating sea ice growth trend

The South Pole has been a real embarrassment for the global warming alarmists who earlier predicted a meltdown. That too has not happened. Instead the Antarctic trend has gone in **the totally opposite direction**:

Source: arctic.atmos.uiuc.edu/cryosphere

The above chart shows that Antarctic sea ice cover has in fact

been accelerating upwards. Over the past several months the sea ice has fallen from its record high levels and is now dead normal – for the first time in more than 3 years!

-

See more at: <http://notrickszone.com/2015/11/14/scientists-surprised-global-sea-ice-unexpectedly-stable-over-past-35-years-arctic-stable-last-10-years/#sthash.0jQahlui.dpuf>

117 Views · View Upvotes

Upvotes1

Comments4

Share

View 5 Other Answers to this Question

About the Author



James Matkin

LAWYER WRITER

2006-present

LL.M. Labor, Harvard Law School

Graduated 1969

Lives in Vancouver, BC
1970-present

2.6k answer views
1.8k this month

WRITTEN BY [ROY W. SPENCER, PH.D.](#) ON MAY 14, 2019. POSTED IN [LATEST NEWS](#)

Climatologist: Half Of 21st-Century Warming Due To Record Warm El Nino



A major uncertainty in figuring out how much of recent warming has been human-caused is knowing how much nature has caused.

The IPCC is quite sure that nature is responsible for less than half of the warming since the mid-1900s, but politicians, activists, and various green energy pundits go even further, behaving as if warming is 100% human-caused.

The fact is we really don't understand the causes of natural climate change on the time scale of an individual lifetime, although theories abound.

For example, there is plenty of evidence that the Little Ice Age was real, and so some of the warming over the last 150 years (especially prior to 1940) was natural — but how much?

The answer makes a huge difference in energy policy. If global warming is only 50% as large as is predicted by the IPCC (which would make it only 20% of the problem portrayed by the media and politicians), then the immense cost of renewable energy can be avoided until we have new cost-competitive energy technologies.

The recently published paper *[Recent Global Warming as Confirmed by AIRS](#)* used 15 years of infrared satellite data to obtain a rather strong global surface warming trend of +0.24 C/decade.

Objections have been made to that study by me (e.g. [here](#)) and others, not the least of which is the fact that the 2003-2017 period addressed had a record warm El Nino near the end (2015-16), which means the computed warming trend over that period is not entirely human-caused warming.

If we look at the warming over the 19-year period 2000-2018, we see the record El Nino event during 2015-16 (all monthly anomalies are relative to the 2001-2017 average seasonal cycle):

Even with the record warm 2015-16 El Nino, observed warming has not kept pace with climate model projections

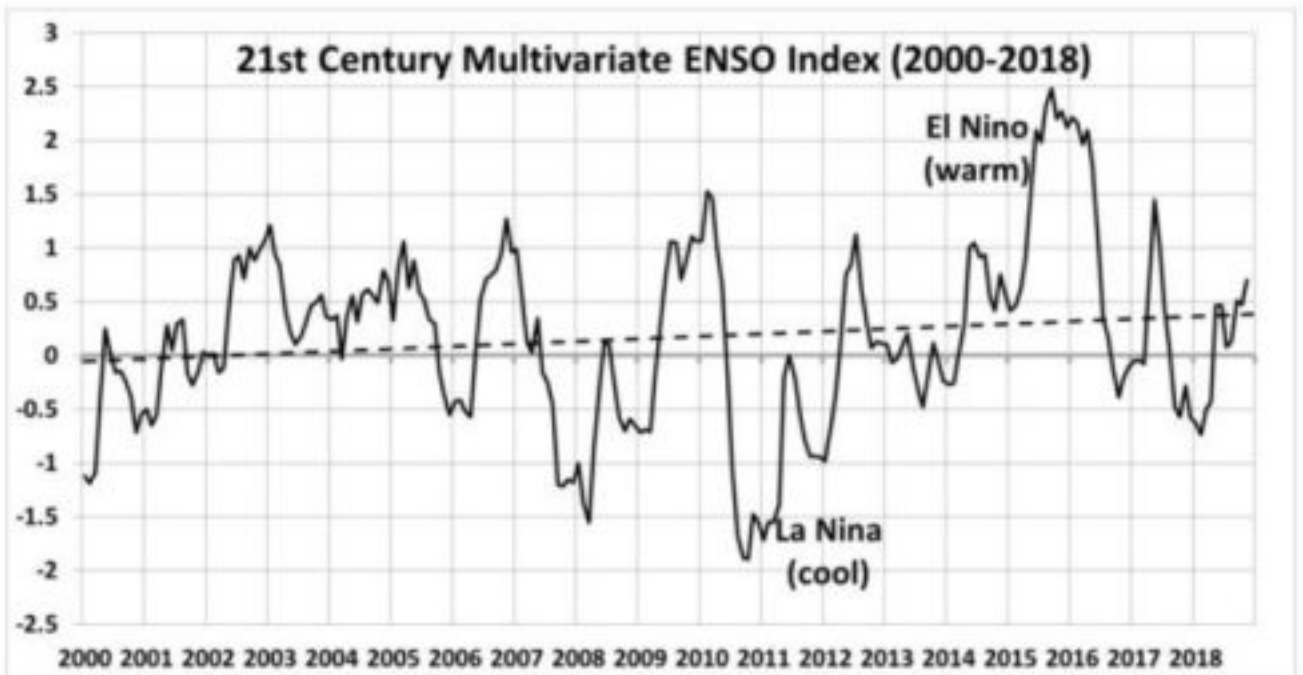
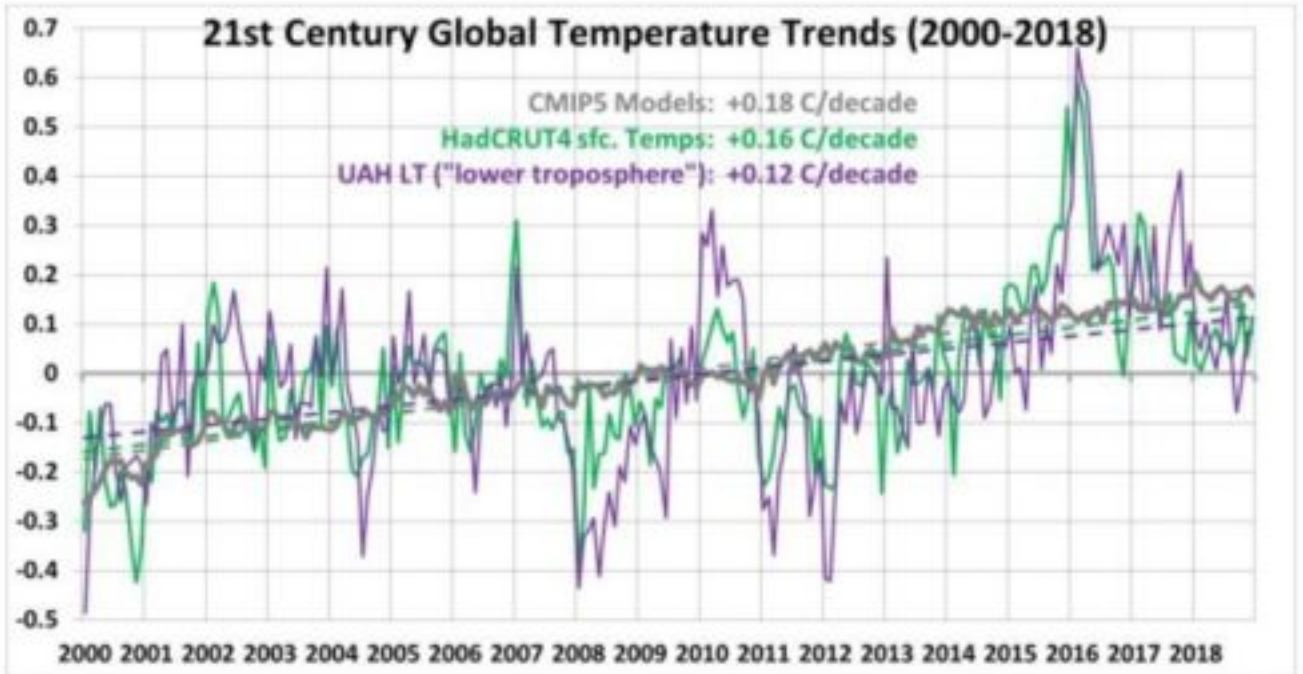


Fig. 1. 21st Century global-average temperature trends (top) averaged across all CMIP5 climate models (gray), HadCRUT4 observations (green), and UAH tropospheric temperature (purple). The Multivariate ENSO Index (MEI, bottom) shows the upward trend in El Nino activity over the same period, which causes a natural enhancement of the observed warming trend.

We also see that the average of all of the CMIP5 models' surface temperature trend projections (in which natural variability in the many models is averaged out) has a warmer trend than the observations, despite the trend-enhancing effect of the 2015-16 El Nino event.

So, how much of an influence did that warm event have on the computed trends? The simplest way to address that is to use only the data before that event.

To be somewhat objective about it, we can take the period over which there is no trend in El Nino (and La Nina) activity, which happens to be 2000 through June 2015 (15.5 years):

**Restricting analysis to the period with no trend in El Nino/
La Nina activity (15.5 years) leads to a larger discrepancy
between models and observations.**

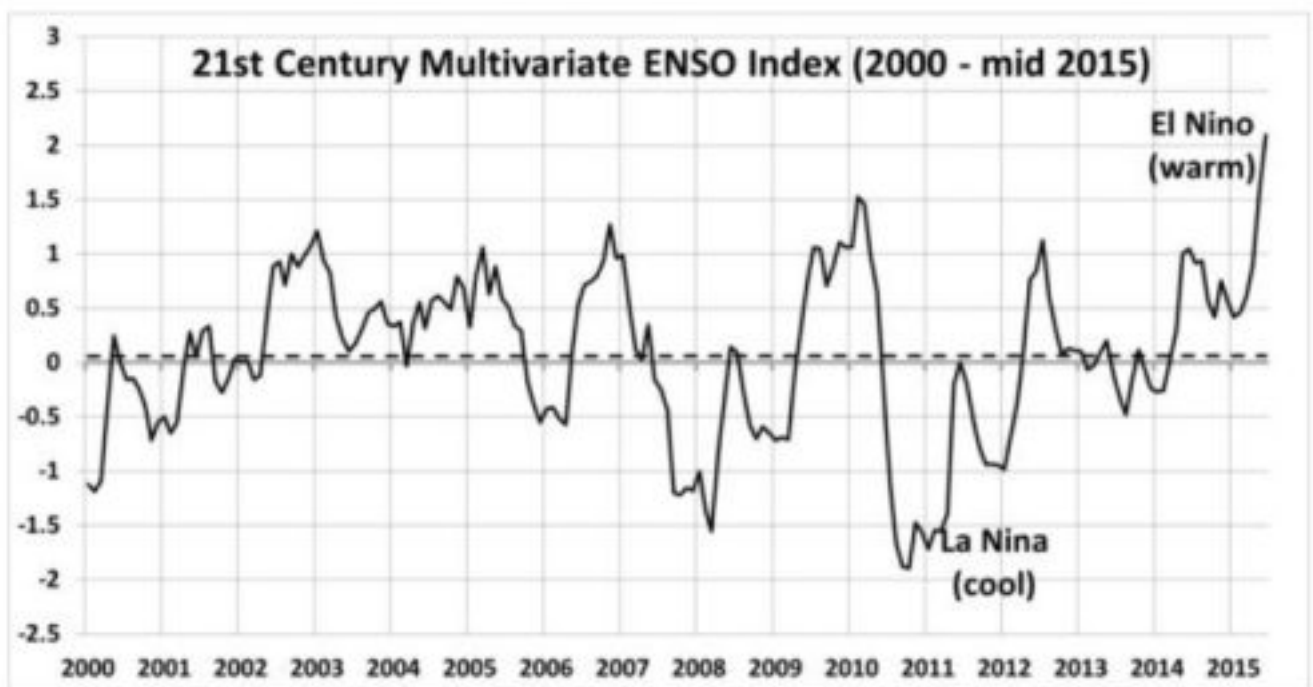
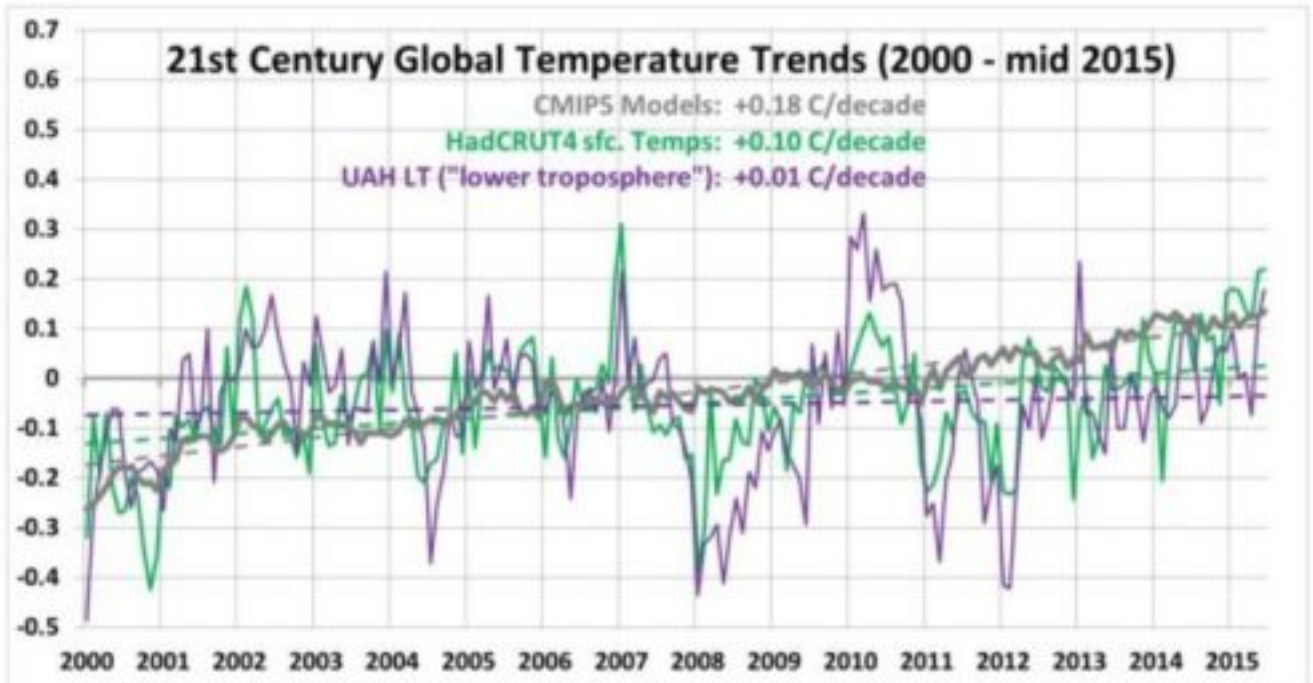


Fig. 2. As in Fig. 1, but for the 15.5 year period 2000 to June 2015, which is the period over which there was no trend in El Nino and La Nina activity.

Note that the observed trend in HadCRUT4 surface temperatures is nearly cut in half compared to the CMIP5 model average warming over the same period, and the UAH tropospheric temperature trend is almost zero.

One might wonder why the UAH LT trend is so low for this period, even though in Fig. 1 it is not that far below the surface temperature observations (+0.12 C/decade versus +0.16 C/decade for the full period through 2018).

So, I examined the RSS version of LT for 2000 through June 2015, which had a +0.10 C/decade trend.

For a more apples-to-apples comparison, the CMIP5 surface-to-500 hPa layer average temperature averaged across all models is +0.20 C/decade, so even RSS LT (which usually has a warmer trend than UAH LT) has only one-half the warming trend as the average CMIP5 model during this period.

So, **once again, we see that the observed rate of warming** — when we ignore the natural fluctuations in the climate system (which, along with severe weather events dominate “climate change” news) — **is only about one-half of that projected by climate models at this point in the 21st century.**

This fraction is consistent with the global energy budget study of [Lewis & Curry \(2018\)](#) which analyzed 100 years of global temperatures and ocean heat content changes, and also found that the climate system is only about 1/2 as sensitive to increasing CO2 as climate models assume.

It will be interesting to see if the new climate model assessment (CMIP6) produces warming more in line with the observations. From what I have heard so far, this appears unlikely.

If history is any guide, this means the observations will continue to need adjustments to fit the models, rather than the other way around.

