

chief.scientist@jtsi.wa.gov.au

10<sup>th</sup> February 2022

Dear Professor Klinken

I would like to respond to your talk on ABC radio (9<sup>th</sup> February 2022) in which you appeared to promote the idea that the planet is warming as a result of anthropogenic carbon dioxide emissions, resulting in a number of climate-related extremes.

Now retired from academia and consulting work, I have respectable qualifications in the geosciences (M.Sc. 1st Class; D.Phil.) including climate and paleoclimate and feel confident about providing opinions in these disciplines. Additionally, it is always prudent these days to add that I have never been employed by, or have had any financial interest in any energy provider. Perhaps of more significance, I have followed, with increasing concern the climate change debate and politicization of the issue since the inception of the Intergovernmental Panel on Climate Change (IPCC) in 1988.

Despite the media parroting the false impression that most scientists support climate alarmism, the vast majority of scientists do not.

More than 4,000 scientists, including 70 Nobel Laureates have signed the Heidelberg Appeal:

<https://americanpolicy.org/2002/03/29/the-heidelberg-appeal/>

In 1997 more than 100 scientists and climate/atmospheric research journal editors, signed the *Leipzig Declaration*:

<http://www.sweetliberty.org/issues/weather/leipzig.html>

In 1998 (and onwards) more than 31,000 scientists, including geophysicists, climatologists, meteorologists, oceanographers and environmental scientists, signed the *Oregon Petition*:

<http://www.petitionproject.org/>

In 2008 over 1,500 scientists, including 200 with expertise and qualifications in climate science signed the *Manhattan Declaration*:

[http://www.climate-science-international.org/index.php?option=com\\_content&task=view&id=37&Itemid=54](http://www.climate-science-international.org/index.php?option=com_content&task=view&id=37&Itemid=54)

The above petitions are easily found online. All of the above signatories (a vast majority of scientists) say there is no climate emergency and they reject the notion that increasing levels of atmospheric carbon dioxide will lead to dangerous global warming or any of the other “dangers” promoted by the media and the many vested interests.

Might I suggest you look up the document: *“More Than 1000 International Scientists Dissent Over Man-Made Global Warming.”* This can be located at:

[http://www.cfact.org/pdf/2010\\_Senate\\_Minority\\_Report.pdf](http://www.cfact.org/pdf/2010_Senate_Minority_Report.pdf)

Ignored by the media, many NASA scientists, engineers and astronauts have also signed a petition, objecting to the climate alarmism that has been promoted by several of NASA’s activist scientists such as Dr. James Hansen (now retired) and Dr. Gavin Schmidt at GISS. This petition can be found at:

<https://www.businessinsider.com.au/nasa-scientists-dispute-climate-change-2012-4?r=US&IR=T>

I also suggest you look up the document: *“1350+ Peer-Reviewed Papers Supporting Skeptic Arguments Against ACC/AGW Alarm.”* This can be located at:

<http://www.populartechnology.net/2009/10/peer-reviewed-papers-supporting.html>

Despite the media and the many vested interests parroting the false impression that carbon dioxide emissions are leading to unusual global warming, the current trivial level of this invisible, non-toxic gas, so essential for all life on Earth, has never driven global temperature at any time over the last 500 million years.

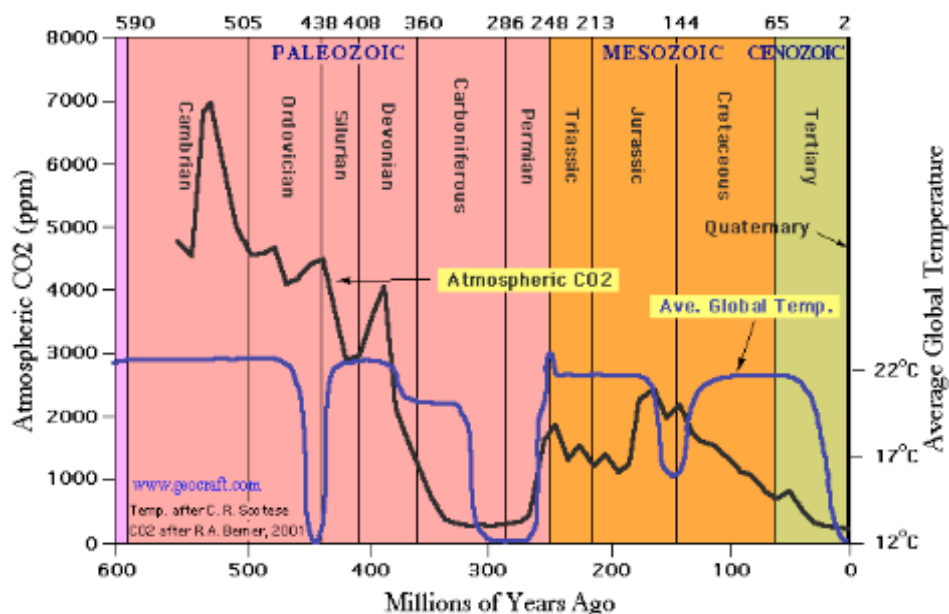
Current levels of atmospheric carbon dioxide (400 ppm) are amongst the lowest experienced by the planet over the last 500 million years. Perhaps the climate alarmists can explain why, when atmospheric carbon dioxide levels were ten times current levels, during the Ordovician Period, the Earth was in the depths of an ice age.

Former Professor of Climatology at the University of Winnipeg, Dr. Tim Ball made clear:

*“The argument that global warming is due to humans, known as the anthropogenic global warming theory (AGW) 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 machine guns.”*

And:

*“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.”*



Dr. Lucka Bogataj, Professor of climatology at the University of Ljubljana and former vice-chair of the IPCC, resigned from the IPCC when he realised the political/ideological nature of that organisation. He said:

*“Rising levels of airborne carbon dioxide don’t cause global temperatures to rise.... temperature changed first and some 700 years later a change in aerial content of carbon dioxide followed.”*

Many other former IPCC scientists resigned from what they saw as being a highly politicised group. Dr. Vincent Gray was more forthright, saying:

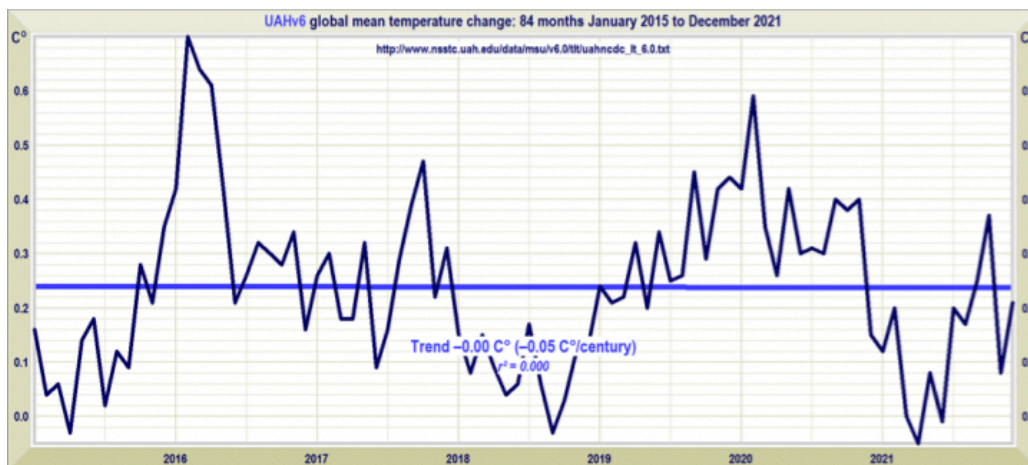
*“The [IPCC] climate change statement is an orchestrated litany of lies.”*

<https://electroverse.net/46-climate-change-denying-statements-made-by-former-ipcc-experts/>

Perhaps climate alarmists can explain what caused the *Minoan Warm Period*, the *Roman Warm Period* and the *Medieval Warm period*. It certainly could not have been anthropogenic carbon dioxide emissions.

Claims of global warming and that Perth is setting record temperatures are without foundation. Only uncontaminated satellite data provide reliable records of lower troposphere temperatures since their microwave radiometers, with calibrated platinum resistance devices, have a proven long-term stability and are extremely accurate. NASA satellites have been monitoring lower troposphere temperatures for the last 40 years and data do not show any unusual global warming that climate alarmists are promoting.

The current temperature stasis lengthens. On the UAH satellite dataset, the most reliable of them all, the lack of warming is evident:



Recent back to back La Nina weather events pushed Australia's average temperatures in 2021 to their lowest levels over the last decade. At the same time, those scientists predicting a lack of rain, witnessed the recharging of river systems, filled catchment areas, record agricultural production and exports. Graham Lloyd observed:

*"Rains that were predicted by experts either not to come or to fall out of phase with agricultural needs have failed to heed the script. The nation's great river systems have been recharged after a period of extended drought that some thought would never end. Dams and water catchments are full and agricultural production is at record levels. The Great Barrier Reef is tracking levels of healthy coral cover not seen for decades across its entire system, an area the size of Italy."*

<https://www.theaustralian.com.au/author/graham-lloyd>

There are a number of serial climate alarmists who continue to make predictions that always fail but, undeterred and still listened to by a gullible and alarmist media and some politicians, continue to make their ridiculous predictions.

In Australia we have our own champion of failed prophesies. Mammal paleontologist and environmental activist Tim Flannery is from the self-appointed *Climate Commission*, an organization that is little more than an environmental activist group that serves up climate alarm without any empirical evidence.

In 2004, Flannery said that human-induced global warming was such that:

*"There is a fair chance Perth will be the 21st century's first ghost metropolis."*

In 2005, Flannery predicted Sydney's dams could be dry in as little as two years because global warming was drying up the rains, leaving the city *"facing extreme difficulties with water."*

In 2007 Flannery predicted cities such as Brisbane would never again have dam-filling rains since global warming had caused *"A 20 per cent decrease in rainfall in some areas."* He added that the soil was now too hot *"so even the rain that falls isn't actually going to fill our dams and river systems."*

In 2008, Flannery said:

*"The water problem is so severe for Adelaide that it may run out of water by early 2009."*

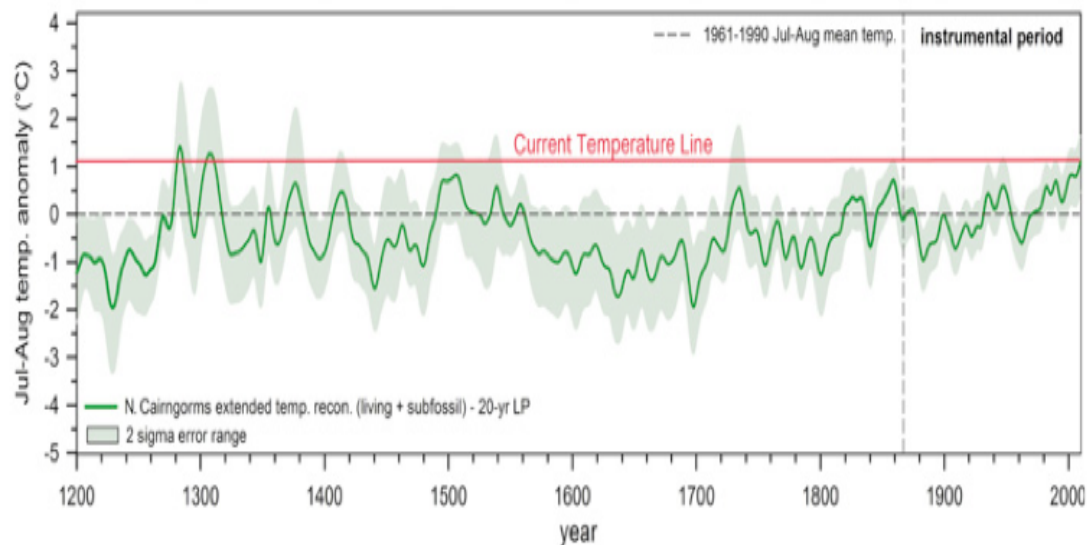
Wrong again. It didn't and there is no evidence that it will.

Stewart Franks, associate professor of hydro-climatology at the University of Newcastle, says of Flannery:

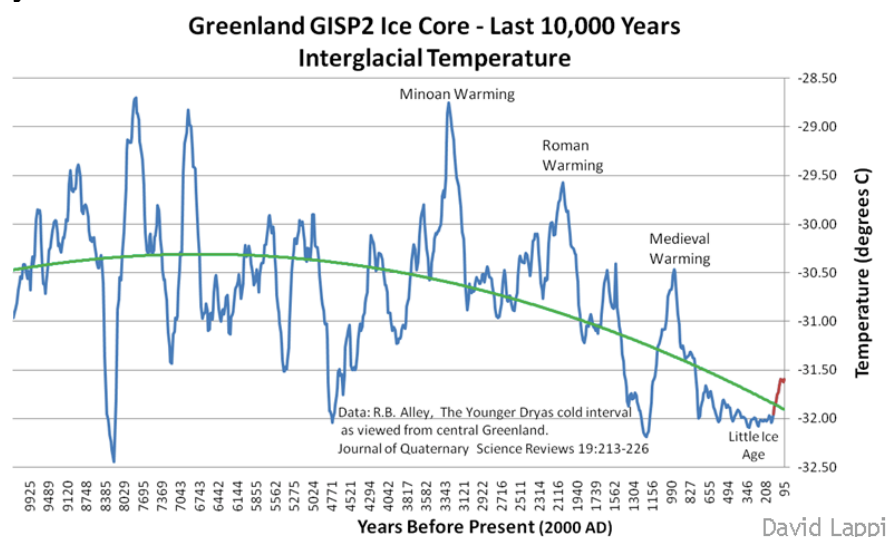
*"That Flannery appears to be defending his alarmism by pointing to others confusing weather for climate just provides another example (if one were needed) of his ignorance of the science of climate variability in eastern Australia."*

Perth will continue to return record high temperatures as long as measurements are made at the airport or Perth city. Many ground-based stations around the world, not impacted by the *Urban Heat Island Effect*,

do not show warming trends. Should you wish to see those data sets, I would be happy to provide them for you. As far as past temperatures are concerned, Rydval et al. (2017) constructed an 800 year paleo-temperature record for Scotland, showing no unusual recent warming:



Similar temperature paleo-reconstructions have been made to show there is no measurable global warming in other parts of the world where sites are uncontaminated and data are not “adjusted.” We also know that, with a number of up-ticks, the planet has been cooling over the last 10,000 years:



Numerous studies show there has been no change in the globally-averaged near-surface temperature over the last 100 years.

<https://notrickszone.com/2020/08/13/extensively-referenced-study-of-past-scientists-global-temperature-estimates-suggests-no-change-in-100-years/>



Perhaps the climate alarmists can explain why there are over 100 peer-reviewed, published papers that show the sun is the main driver of global climate. These can be found at:

<http://notrickszone.com/100-papers-sun-drives-climate/>

Perhaps the climate alarmists can explain why they promote the view that we are experiencing more severe weather events, more droughts and more wildfires when the facts say otherwise.

<https://www.climatedepot.com/2020/12/05/lomborg-data-shows-trend-towards-smaller-area-in-drought-also-floods-hurricanes-wildfires-and-sea-level-rise-are-not-following-climate-activist-claims/>

Even the political/ideological IPCC rejects the claim of more severe weather and a little due diligence (see AR5) by climate alarmists would determine this.

On tropical cyclones, the IPCC reports:

There is *low confidence* in any observed long-term (i.e., 40 years or more) increases in tropical cyclone activity (i.e., intensity, frequency, duration), after accounting for past changes in observing capabilities. [3.3.2, 3.3.3, 3.4.4, 3.4.5]

There is only *low confidence* for the attribution of any detectable changes in tropical cyclone activity to anthropogenic influences. Attribution of single extreme events to anthropogenic climate change is challenging. [3.2.2, 3.3.1, 3.3.2, 3.4.4, 3.5.3, Table 3-1]

*Over periods of a century or more, **evidence suggests slight decreases in the frequency of tropical cyclones making landfall in the North Atlantic and the South Pacific.*** (My emphasis)

*Callaghan and Power (2011) find **a statistically significant decrease in Eastern Australia land-falling tropical cyclones** since the late 19th century.* (My emphasis)

The Australian Bureau of Meteorology (BOM) has made clear that tropical cyclones in the Australian region are influenced by variations in El Niño–Southern Oscillations with more tropical cyclones impacting Australia during La Niña years, and fewer during El Niño years. The total number of cyclones in the Australian region decreased to the mid-1980s, and has remained stable since then.

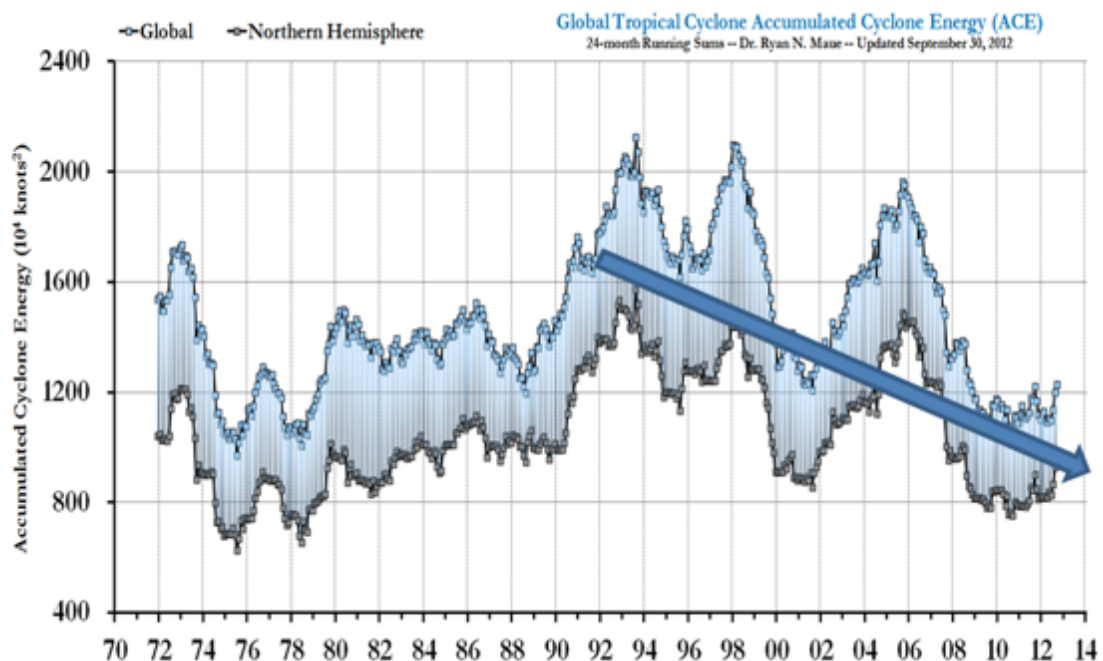
The history of Queensland cyclones is worth considering:

(<http://forum.weatherzone.com.au/ubbthreads.php/topics/1019494/94>)

On extra-tropical cyclones, the IPCC reports:

***Confidence in large scale changes in the intensity of extreme extratropical cyclones since 1900 is low. There is also low confidence for a clear trend in storminess proxies over the last century due to inconsistencies between studies or lack of long-term data in some parts of the world (particularly in the SH). Likewise, confidence in trends in extreme winds is low, due to quality and consistency issues with analysed data... (My emphasis)***

Global Accumulated Cyclone Energy (ACE) shows no trend since satellite monitoring began in the 1970's:

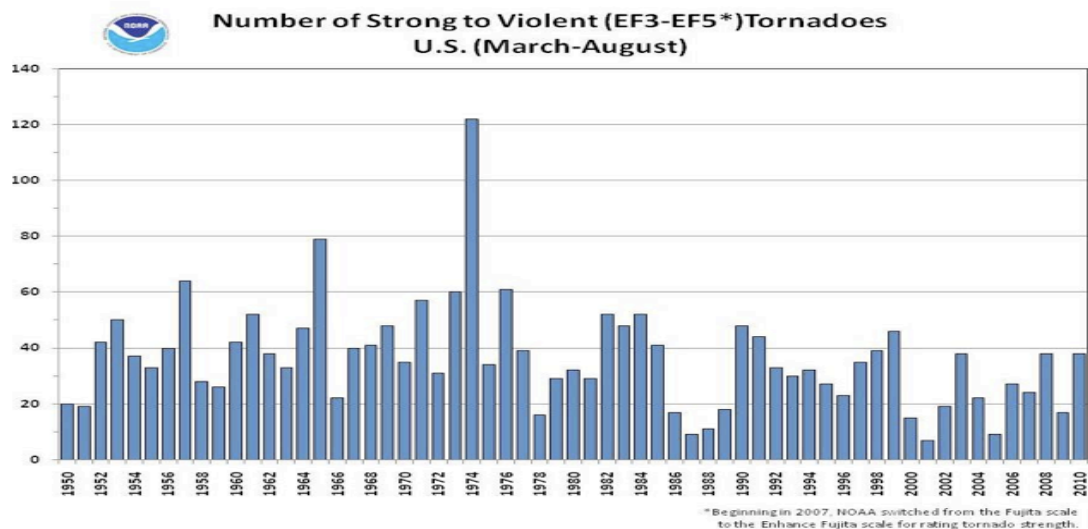


On tornadoes and hail, the IPCC reports:

There is *low confidence* in observed trends in small spatial-scale phenomena such as tornadoes and hail because of data inhomogeneities and inadequacies in monitoring systems. [3.3.2, 3.3.3, 3.4.4, 3.4.5]

US tornadoes are also declining in number:





<http://www.ncdc.noaa.gov/img/climate/research/tornado/tornadotrend.jpg>

On droughts, the IPCC reports:

There is *medium confidence* that some regions of the world have experienced more intense and longer droughts, in particular in southern Europe and West Africa, but in other regions droughts have become less frequent, less intense, or shorter. For example, in central North America and northwestern Australia. [3.5.1]

On floods, the IPCC reports:

There is *limited to medium evidence* available to assess climate-driven observed changes in the magnitude and frequency of floods at regional scales because the available instrumental records of floods at gauge stations are limited in space and time, and because of confounding effects of changes in land use and engineering. Furthermore, there is *low agreement* in this evidence, and thus overall *low confidence* at the global scale regarding even the sign of these changes. [3.5.2]

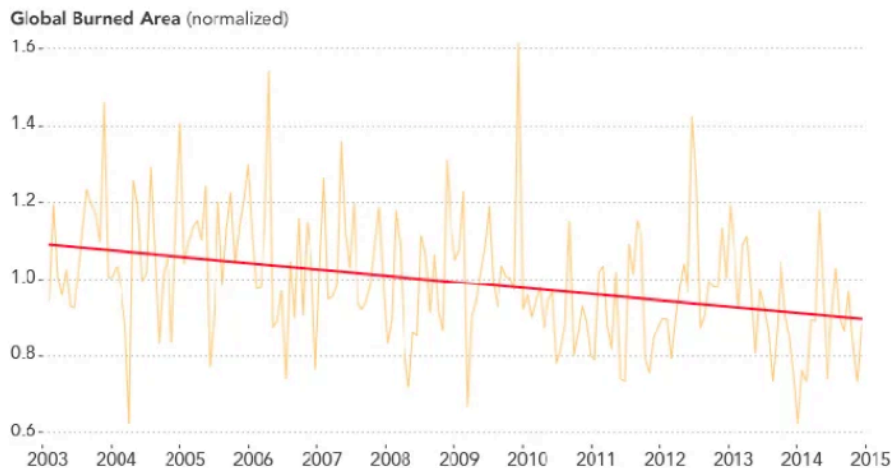
A Category 3 hurricane is classified as a major hurricane according to the *Saffir-Simpson Hurricane Wind Scale*. It will have wind speeds exceeding 180 km per hour causing damage described as “*devastating*.”

According to the National Oceanic and Atmospheric Administration (NOAA), since *Hurricane Wilma*, no Category 3 or stronger hurricane has made landfall in the continental United States and June 24, 2017 saw the end of a record 140 months without a major hurricane strike. NOAA points out that:

*"An average season produces 12 named storms of which six become hurricanes, including three major hurricanes."*

NOAA also points out that Atlantic tropical storms lasting more than 2 days have not increased in number.

There have been many unsubstantiated claims of an increasing number of bushfires globally as a result of (imaginary) global warming. In fact, long-term satellite monitoring provides reliable data on global wildfires and NASA has shown that between 2003 and 2019 global wildfires declined by around 25%:



<https://wattsupwiththat.com/2020/09/16/irrefutable-nasa-data-global-wildfire-down-by-25-percent/>

NASA has produced maps with fire locations and extent. These are based on observations from NASA's Moderate Resolution Imaging Spectroradiometer (MODIS) carried on the Terra satellite.

<https://earthobservatory.nasa.gov/images/145417/a-new-global-fire-atlas>

There is a link between hazardous fuel loads, a positive Indian Ocean Dipole and forest fire intensity. There is no empirical evidence to show that atmospheric carbon dioxide levels play any part in bushfire numbers or intensity.

The Australian bush has evolved through fire. Eucalypts require fire for further propagation. Bushfires, burning day and night, were observed by early explorers such as Cook and Flinders, long before European settlement.

Australia has long, hot, dry summers, periodic droughts, flammable vegetation and several sources of ignition such as lightning strikes and (especially) arsonists, who are responsible for more than 50% of Australian fires. Australia is naturally prone to bushfires and, when green

zealots oppose prescribed burning to reduce fuel loads, they place communities in danger whilst blaming imaginary global warming.

Bushfires in Australia burn around 50 million ha every year although the downward trend is clear, even though more people are choosing to live in bushland. You might want to check other fire data at:

<https://www.globalfiredata.org/fireatlas.html>

Fires experienced in recent years are well below what has taken place in Australia's past. The worst was probably in Victoria in 1851, which burned a quarter of the colony, and killed unknown numbers of people, but also a million sheep, thousands of cattle and innumerable native fauna.

Former CSIRO fire expert Dr. Phil Cheney pointed to:

*"Decades of failure to manage forests, including a failure to implement prescribed burns recommended by the 2009 Bushfire Royal Commission."*

Cheney also slammed local district council's red (green) tape, which prevents landowners from conducting controlled burns or tree removal on their own properties.

<https://wattsupwiththat.com/2020/07/06/bushfire-royal-commission-climate-change-has-gone-nuclear/>

Dr. Roger Pielke Jr. is a well-respected scientist and recognised expert on natural disasters. He has criticised climate alarmism, saying that alarmist data on disasters from the last century are flawed and unreliable.

Pielke, along with other reputable scientists, has acknowledged that there has been an increase in financial loss due to natural disasters but this is not attributable to any increase in extreme weather events. Common sense should tell us we are seeing an increase in population with more people having more wealth and more assets to lose.

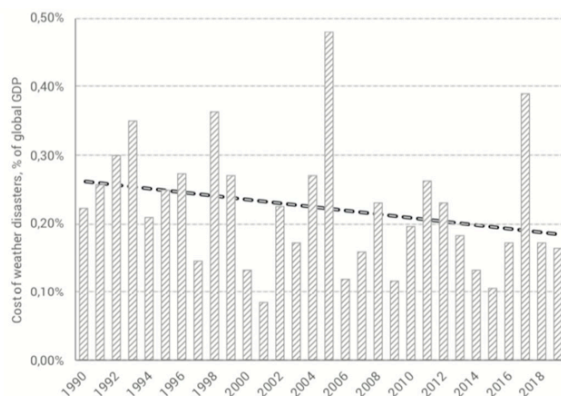
Those people, with more assets to lose than ever before, choose to live on floodplains; on the flanks of dormant and active volcanoes; in earthquake-prone areas; in fire-prone bushland; on karst topography, subject to sink-holes; downslope of slip-prone areas; on eroding coastlines and on subsiding coastal plains. Little wonder then that insurance payouts are increasing for natural disasters. This has nothing to do with climate change.

Dr. Bjorn Lomborg points out:

*“When you adjust damage costs for size of economy, which even the UN Sustainable Development Goals insists you should, the relative cost of disasters is declining, not increasing.”*

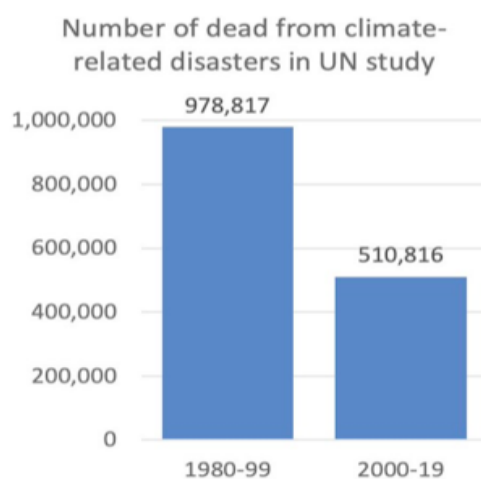
<https://twitter.com/BjornLomborg/status/1316408497332985859>

We have reliable data from the last 30 years showing how the relative cost of disasters has declined:



<https://www.climatedepot.com/2020/10/14/un-report-should-be-withdrawn-bjorn-lomborg-rips-new-un-climate-emergency-report-it-is-incompetent-wrong-on-all-major-accounts-bad-analysis/>

Additionally, the UN’s own data show the number of deaths from natural disasters has almost halved in the last 20 years, compared to the number of deaths between 1980 and 1999:



<https://www.climatedepot.com/2020/10/14/un-report-should-be-withdrawn-bjorn-lomborg-rips-new-un-climate-emergency-report-it-is-incompetent-wrong-on-all-major-accounts-bad-analysis/>

Cold-related mortality remains a more significant and persistent problem, both in the UK and internationally. There are 20 times as many cold-related deaths as heat-related deaths worldwide and the UK has had 35,000 cold-related deaths each year on average over the past 5 years.

Gasparrini et al. (2015) in a study into *“Mortality risk attributable to high and low ambient temperatures”* concluded:

*“Most of the temperature-related mortality burden was attributable to the contribution of cold.”*

<https://pubmed.ncbi.nlm.nih.gov/26003380/>

Many of those deaths are those people who have not been able to afford the rising costs of electricity, attributed to the introduction of unreliable, inefficient wind and solar sources of electricity. Thousands of people in developing countries still have no access to inexpensive, reliable electricity.

I would like to hear WA’s Chief Scientist telling the public how the use of high energy hydrocarbon fuels has lifted millions out of poverty and given them the high standard of living they now enjoy.

If you look up *“Our World in Data”* you will see that, by almost every measure, life is much better today than at any other time in history and is continuing to improve – thanks to hydrocarbon fuels.

Only 100 years ago every 3rd child died before the age of five but in 2017 child mortality was down to 40%. This is ten times lower than it was 200 years ago.

Life expectancy 200 years ago ranged on average between 20 and 30 years. Today, life expectancy has surged, averaging 80 years in the UK and over 80 years in Japan.

The share of the global population that is undernourished continues to fall.

Access to inexpensive, reliable hydrocarbon energy is essential for economic growth and the well-being of nations. Global primary energy consumption has increased, lifting more people out of poverty.

Death rates from outdoor ozone, particulate matter and indoor fuel burning continue to fall.

The number of people with access to improved water resources also continues to grow.

Extreme poverty has been falling steadily worldwide.

Child labour has been falling steadily worldwide.

The world population of 15 year olds with at least a basic education has increased dramatically.

As Dr. Philip Stott from the University of London has reflected on the absurdity of linking climate change to carbon dioxide emissions:

*"As I have said, over and over again, the fundamental point has always been this: climate change is governed by hundreds of factors, or variables, and the very idea that we can manage climate change predictably by understanding and manipulating at the margins one politically-selected factor is as misguided as it gets."*

The one factor that has never driven climate change at any time over the last 500 million years is atmospheric carbon dioxide and there are more than 100 peer-reviewed, published papers that attest to that fact:

<https://notrickszone.com/2019/12/12/the-list-grows-now-100-scientific-papers-assert-co2-has-a-minuscule-effect-on-the-climate/>

Should you reply to my email, you might say that you are guided by opinions from the CSIRO and BOM. These are organisations with personnel affiliated to the political/ideological Intergovernmental Panel on Climate Change (IPCC) and both organisations seek the funding that comes from "investigating" climate change.

But don't take my word for this!

Now retired from the CSIRO and free to speak out, Dr. Neil Avery said:

*"Scientists at the CSIRO Aspendale palace of climate alarmism should abandon their computers and seek evidence for the supposed feedback before embarking on outrageous predictions. Finding the missing heat and the upper troposphere warming in the low latitudes would be a good start."*

In 2009 the CSIRO issued a publications policy, effectively gagging scientists from speaking out in their private capacity, by insisting they use



their agency affiliation on all publications or commentaries arising from their CSIRO research.

It also stated that if scientists intend to comment on matters in their area of expertise, they must first discuss the "risks" with their manager, including where "public confidence in CSIRO as a trusted adviser" might be compromised.

Former CSIRO climate science chief Dr. Graeme Pearman said:

*"In an ideal democracy, where you have taxpayers investing their money in research, you want scientists to be able to say what the hell they've found. It should not be based on some ideological or political view of what is correct or incorrect -- that's not in the interest of the Australian community."*

In 2012 more than 160 of the world's top ocean and climate scientists signed a letter of protest, condemning CSIRO's dismissal of globally respected oceanographer Dr. Trevor McDougall. CSIRO said that the agency's research priority must be to *"answer the big contemporary questions for Australia and the world"*.

Atmospheric scientist Dr. David Packham is a former principal research scientist with Australia's CSIRO, and senior research fellow at Monash University. He said:

*"I find that I am uncomfortable with the quality of the science being applied to the global warming question. This lack of comfort comes from many directions: A lack of actual measurements for terrestrial radiation and the use of deemed values for particulate radiation absorption; the failure to consider the role of particulates from biomatter burning; the lack of critical thought and total acceptance of the global warming models as the conclusive evidence."*

And:

*"... research funding for environmental research in Australia, in my case mercury and wildfires, is almost impossible unless it is part of yet more greenhouse data gathering. There is also an atmosphere of intimidation if one expresses dissenting views or evidence."*

Former Chief Research Scientist with the CSIRO Division of Atmospheric Research Dr. Garth Paltridge said of the CSIRO:

*"They have been so successful with their message of greenhouse doom that, should one of them prove tomorrow that it is nonsense, the discovery would have to be suppressed for the sake of the overall reputation of science."*

And:

*"In the early nineties I was involved in setting up an Antarctic research centre... to examine the role of Antarctica and the Southern Ocean global climate. I made the error at the time of mentioning in a media interview...that there were still lots of doubts about the disaster potential of global warming. Suffice to say that within a couple of days it was made clear to me from the highest levels of CSIRO that, should I make such public comments again. Then it would pull out of the process of forming the new Centre...[which] would have killed the whole thing dead..."*

And:

*"The bottom line is that virtually all climate research in Australia is funded from one source – namely, the government department which has the specific task of selling to the public the idea that something drastic and expensive has to be done."*

Dr. Art Raiche, former Chief Research Scientist at the CSIRO, says the organisation's fear-mongering over climate change can't be trusted:

*"It is my strong belief that CSIRO has passed its use-by date. The organisation that bears the name of CSIRO has very little in common with the organisation that I joined in 1971, one that produced so much of value for Australia during its first seven decades."*

And:

*"In fact, more than 30,000 US scientists also have a jaundiced view of these climate modelling programs and have petitioned the US government against actions to mitigate CO2 emissions?"*

<http://www.petitionproject.org/>

I can recommend an article in the *Melbourne Age* from Dr. Bill Kininmonth, former head of Australia's National Climate Centre and a consultant to the World Meteorological Organisation. He is author of *Climate Change: A Natural Hazard* (Multi-science Publishing, 2004).

<http://business.theage.com.au/why-so-much-climate-change-talk-is-hot-air-20080707-34iz.html>

Dr. Clive Spash resigned after three years with the CSIRO. For most of this year, he had been in a dispute over the publication of his paper which criticised carbon trading schemes. His paper was submitted for publication in the UK journal *New Political Economy* in 2009 but in July the CSIRO wrote to the editors, telling them the paper was being withdrawn because it had not been approved through internal CSIRO processes.

Dr. Spash told the *Australia New Zealand Society for Ecological Economics* conference in Darwin last week that CSIRO managers "maintained they had the right to ban" the paper.

I'm confident that many CSIRO scientists can relate to the following:



When it comes to showing that carbon dioxide has little (if any) impact on global temperature, an alarmist and compliant media, along with the many vested interests have moved to suppress dissent at every level. In the case of climate change, it is apparent that ideology, politics and profits have been allowed to triumph over science and empirical data.

I look forward to your evidence-based response.

Sincerely

Dr. John Happs