

Fact Sheet-1

Science framework

Any honest claim to cut human CO₂ four basic questions must all be answered yes:

- 1 Are global atmospheric temperatures rising unusually either in rate or amount?
If not, it ends here with no justification to cut human CO₂. If yes, next question,
 - 2 Does atmospheric CO₂ level drive global atmospheric temperature?
If not, it ends here with no justification to cut human CO₂. If yes, next question,
 - 3 Does human CO₂ output determine global atmospheric level of CO₂ in air?
If not, it ends here with no justification to cut human CO₂. If yes, next question,
 - 4 Is warming damaging? If not, it ends here with no justification to cut human CO₂.
If yes to all four questions, cut human CO₂ output.
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1.1 Temperature:

Global **atmospheric** temperature: no net increase since 1958. Over half a century.

From 1958-1976 there was natural cyclic cooling of atmospheric temperature, then modest warming until 1998 followed by no warming for 15 years.

The UN, CSIRO and BOM use **ground-based** temperatures for representing their claimed ATMOSPHERIC effect.

Ground-based temperatures reveal the modest warming trend ended in 1997.

No net increase in Australian or American rural temperatures since 1890—120 years.
Just natural cycles of warming, cooling, warming, cooling, stasis.

Earth's recent past has shown far warmer periods. The 1930's were warmer than recent decades. Past heat waves were far warmer than this past summer. In 1896 coastal temperatures in southern NSW reached 47 deg C and government provided special trains as country regions panicked. Many emotional examples are available. Australia's record highest temperature of 53.3 deg C was set in Cloncurry in 1889. Oodnadatta 50.7 deg C in 1960.

Ground-based temperatures are known to be corrupted. They exaggerate modest cyclic warming and in places fabricate warming.

Corruption of ground-based temperatures include:

- Sub-standard measurements breaching weather station guidelines;
- Effect of urban heat sources unscientifically inflate temperatures;
- Unscientific manipulation to exaggerate modest warming;
- Prevention by UN IPCC contributors of peer-review of ground-based temperatures. Thus the database is scientifically disregarded;
- Fabrication of temperature measurements to fabricate warming;
- Unscientific manipulation and fabrication of temperatures conjure warming;

Answer to first question: no. There's no justification to cut, tax or *trade* human CO₂.

1.2 Temperature drives atmospheric CO₂ levels:

This is the opposite of the relationship claimed by ALP-Greens alliance and Libs.

It applies to all periods of Earth's history and over all durations.

It's revealed in data cited and relied upon by the UN IPCC itself.

It's shown in ice core measurements of past CO₂ levels.

The UN IPCC deliberately omitted 90,000 reliable measurements of atmospheric CO₂ levels taken in the last 180 years by scientists including winners of Nobel Science Prizes. They reveal that CO₂ levels in air have been up to 40% above current levels.

Answer to second question: no. There's no justification to cut, tax or *trade* human CO₂.

1.3 Nature alone determines atmospheric CO₂ levels:

Human production of CO₂ has no effect on atmospheric CO₂ levels. Oceans cover 71% of Earth's surface and contain, in dissolved form, 50 times more CO₂ than is contained in Earth's entire atmosphere. By balancing dissolved CO₂ and the partial pressure of CO₂ in air under Henry's Law, Nature alone determines CO₂ levels in air.

Measurements of CO₂ levels cited and relied upon by the UN IPCC and Al Gore reveal that Nature alone determines CO₂ levels. This is well understood. Proper statistical analysis reveals that Nature alone determines CO₂ levels.

Cutting or increasing human CO₂ output cannot effect CO₂ levels in air. If humans produce more, Nature holds more in oceans. If humans cut CO₂ production Nature releases more from oceans. Nature determines CO₂ levels. Humans have no effect.

Some politicians consider that the tiny amount of CO₂ in air is a significant fact for the man in the street. Let's explore that. Although Nature controls CO₂ levels in air, the numbers themselves are entertaining:

- Carbon is the fourth most abundant element in the universe;
- It's concentrated in and on Earth's crust. Carbon enables life on Earth. It's the key ingredient. It's in all life forms. Even radical Greens understand that carbon is essential for life and that carbon dioxide is essential for life on Earth. Every cell in our body contains carbon. It's part of our DNA. It's the second most abundant element in the human body;
- Carbon dioxide is less than 0.04% of Earth's air. It's just 0.0385%;
- In round figures, that's one molecule of CO₂ in every 2,600 molecules of air;
- Annually, of all the CO₂ produced on Earth, Nature produces 97%. All human activity—farming, mining, manufacturing—produces just 3%. Nature produces 32 times more than all human activity;

- CO₂ only stays in the air a short time before removal by plants and oceans. It becomes part of animals, plants and soils and is dissolved in oceans. Most studies estimate 5-7 years in air. Recent studies estimate as little as 12 months. Nature recycles all CO₂ out of the air. That recycling is part of Earth's carbon cycle, essential for all life on Earth;
- There's 50 times more CO₂ dissolved in oceans than is in Earth's entire atmosphere;
- Combining these facts and numbers and using round figures produces this:
 - In every 86,000 molecules of air, a mere 33 are CO₂;
 - Of those 32 are from Nature and at most 1 is from human activity;
 - How can 32 molecules be essential for all life on Earth yet one be catastrophically destroying life on Earth? It cannot. That's absurd;
 - That's irrelevant though and more absurd because Nature alone determines CO₂ levels. It doesn't matter how much CO₂ humans produce, the level in air is determined by Nature. If we produce more CO₂, Nature simply releases a bit less from the oceans. If we cut all human CO₂ production, Nature would simply release a little more from the oceans.
- It's illogical to think the human CO₂ affects climate when we cannot even affect the level of CO₂ in the air. It's crazy. It's ignorance or deceit.

Answer to third question: no. There's no justification to cut, tax or *trade* human CO₂.

1.4 Warming is highly beneficial

Scientists label Earth's past far warmer climate periods *Climate Optimums* because warmer periods are highly beneficial to life on Earth, including plants and animals.

All of today's species of large animal trace their origins to a period 3-6 million years ago when Earth's global temperature was at least 3 degrees warmer than today.

Human civilisation boomed during the Medieval Warming Period when temperatures were at least one degree and in places two degrees warmer than today. There were no power stations, tractors, Four-Wheel Drives or jets in those days.

Agricultural production boomed in warmer periods. That generated wealth enabling science, modern architecture and government systems. It ended the Dark Ages and dramatically improved people's lives, health, longevity, ease, comfort and security.

Answer to fourth question: no. There's no justification to cut, tax or *trade* human CO₂.

In the industrial revolution, industrialisation saw a massive boost in people's lives, health, longevity, ease, comfort and security. Human life improved. Humans are now less dependent on Nature's extremes thanks to modern, plentiful, low-cost environmentally responsible energy from natural gas, coal, oil and uranium.

Front-end loaders used to clean up after floods and natural disasters are not powered by windmills or solar cells. In a crunch, we use modern technology fit for purpose. Why do the Greens and Lib-Lab want us to return to the misery of the Dark Ages?

What does drive climate?

Empirical scientific evidence reveals that global climate is driven by El Nino Southern Oscillation Index cycles. Two Aussie scientists proved this in 2008. Their peer-reviewed work is verified independently by other studies by scientists and meteorologists worldwide.

Scientists have identified many factors driving climate. These include galactic, solar system, solar, planetary, lunar and terrestrial. Many are cyclic with cycles ranging from 150 million years to 11 years. Five strong drivers are:

- Solar: (1) variations in sun's solar output; (2) Output of solar particles; (3) Sun's magnetic field polarity and strength;
- Water vapour: (1) atmospheric water content; (2) Cloud cover;
- Cyclic regional decadal circulation patterns such as North American Oscillation and the southern Pacific ocean's El Nino together with their variation over time;
- Ocean: (1) temperature; (2) salinity; (3) currents; (4) sea surface temperatures;
- Volcanic activity;

The big yellow ball in the sky has an enormous effect on climate in at least three ways.

The sun is Earth's engine. Water vapour is its gearbox. These control weather. Driven by the sun, moon and other factors they determine climate. Australia's first inhabitants, our indigenous, knew this. They lived in accordance with the cycles.

Climate cycles are known, Queensland's capital city floods every 30-40 years. Past floods have been far worse than 2011 and even the more severe 1974 floods.

The indigenous advised Brisbane's early settlers to not build in the river flood plain.

Cherished Australian poet Dorothea Mackellar recorded beautifully the fact that Australia is a land of natural weather extremes: floods, droughts, and fires.

Summary of the science:

After correcting for the heat from urban areas inflating global ground-based temperature measurements, the claimed warming is only 0.4 degrees C. Using uncorrupted rural ground-based temperatures reveals no net change in temperature since 1890. No warming.

There is no empirical scientific evidence that human CO₂ caused global warming: CSIRO has none, BOM has none, UN IPCC has none, academics funded by taxpayers have none, ... All have failed to provide the scientific evidence. There is no scientific basis for cutting human CO₂.

There is no logical scientific reasoning of causation of global warming by human CO₂.

Science reveals that human CO₂ does not and cannot control Earth's global temperature. MPs cannot control our planet's temperature from a room in Canberra.

Carbon dioxide is Nature's invisible, tasteless, odourless trace gas essential to all life on Earth.

If we could control global climate, we would select higher temperatures and higher CO₂ levels to improve plant growth, productivity and food harvests.

Sea Levels:

Queensland government department of Maritime Safety presents Australian sea levels for the last 15 years. They're rising at less than one third a millimetre per year. At that rate in 100 years sea levels will be barely an inch higher than today. Measurements at tide gauges around Australia confirm no change in trend around Australia for 100 years. The world's best study of sea levels is of Pacific Ocean islands. Sea level has been flat for 20 years. No rise.

Prominent advocates scaring people about sea levels—Al Gore, Kevin Rudd, Greg Combet, Cate Blanchett and others—bought oceanfront properties after 2007. Al Gore owns three oceanfront properties. Tim Flannery lives on the oceanfront.

Emotional claims about Aussie icons such as the Great Barrier Reef, Kakadu, and Bondi Beach are nonsense. They contradict empirical scientific evidence.

CSIRO and BOM (Bureau of Meteorology) both fail to provide any empirical scientific evidence or logical scientific reasoning for their claim that human CO₂ caused global warming.

Instead, CSIRO uses output from computerised numerical models of CO₂ production* as input for models predicting temperature. It then uses their output as input for making scary sea level projections. They cannot even call them forecasts because they're unscientific and unvalidated. They're called projections. It's unvalidated, unscientific rubbish contradicted by real-world scientific models.

* Remember the Global Financial Crisis that the economic models failed to predict.

Ocean alkalinity (not acidification):

Oceans are not acidic, they're alkaline. The opposite of acidic. Their level of alkalinity is varying naturally and reveals no trend. It's stable.

Oceans are not warming. Since 2003 the world's most comprehensive study of ocean temperatures, the ARGO study, reveals ocean temperatures flat or slightly cooling.

Empirical scientific evidence reveals that nothing unusual is occurring due to human CO₂. We have nothing to fear from our CO₂. There's no need to cut CO₂ output.

Why is government contradicting empirical scientific evidence and funding dishonest claims of catastrophic consequences from human industry and activity? The ALP-

Greens government failed to do its due diligence? Why is it wasting taxpayers' funds echoing unfounded claims by the UN IPCC spreading unfounded alarm? Why is the ALP-Greens alliance deceitfully falsifying climate?