

THE MOST IMPORTANT REASONS WHY THERE IS NO CLIMATE EMERGENCY



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OVERVIEW:

1. ***Slow* warming is occurring (not as fast as model forecasts)**
2. **The cause is “probably” “mostly” from CO₂ (but we don’t really know)**
3. **Most reports and predictions are exaggerated or wrong**
4. **The cost of renewables remain high, and physics prevents widespread displacement of fossil fuels with wind/solar**
5. **Increasing CO₂ has benefits which are seldom mentioned**

Bottom line: There is no climate “crisis” or “emergency.”

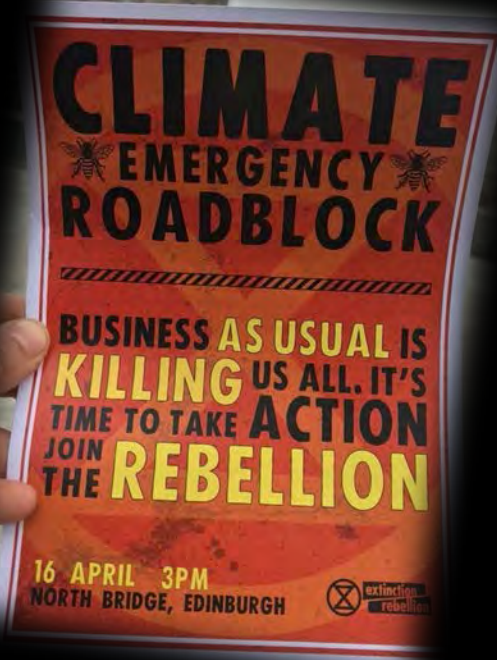
PUBLIC PERCEPTION OF CLIMATE CHANGE

The global public is deeply divided in their beliefs regarding climate change.



Views range from climate change being a “hoax,” to it being an “existential crisis.”

I am neither: I am a “lukewarmer”.



WHAT AM I FAIRLY CONFIDENT OF?

1. The climate system has warmed in recent decades, with 2010-2019 the warmest decade in the instrumental record (last ~150 yrs).
2. At least “some” of this warming is due to increasing carbon dioxide (CO₂) from fossil fuel burning.
=> the direct warming effect of 2XCO₂ is only about 1 deg. C
3. Warming *should* continue into the future.



But none of this is necessarily cause for alarm.

WHAT IS UNCERTAIN?

Natural causes of climate change are largely **not** understood.
Climate can change without **any** forcing (it's a chaotic system).



⇒ Climate models do **NOT** include chaotic changes in the climate system

WHAT ELSE IS UNCERTAIN?

THE FUTURE *STRENGTH* OF WARMING.

How the climate system **RESPONDS** to the small warming influence of extra CO₂ (feedbacks).

These feedbacks cause **MOST** of the warming in climate models (amplifying 1 deg. C of direct warming to 3-4 deg. C in response to 2XCO₂).

I believe that only 1.5 – 2 deg. C warming will be the response to 2XCO₂.

THE CO₂-CAUSED GLOBAL ENERGY IMBALANCE Is TINY

At less than 1 Watt per sq. meter, it is less than
our 5-10 W/m² uncertainty in NATURAL energy flows

*This means that global warming could be mostly caused by natural
processes, and we would not even know it!*



ENERGY IMBALANCE CAUSES ALL TEMPERATURE CHANGES

ENERGY IN \Leftrightarrow ENERGY OUT

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The temperature of a pot of water on the stove
remains the same only when
Energy gain = Energy lost



The same is true of
the inside of a heated/cooled house,
a car engine,
the human body...
Everything!



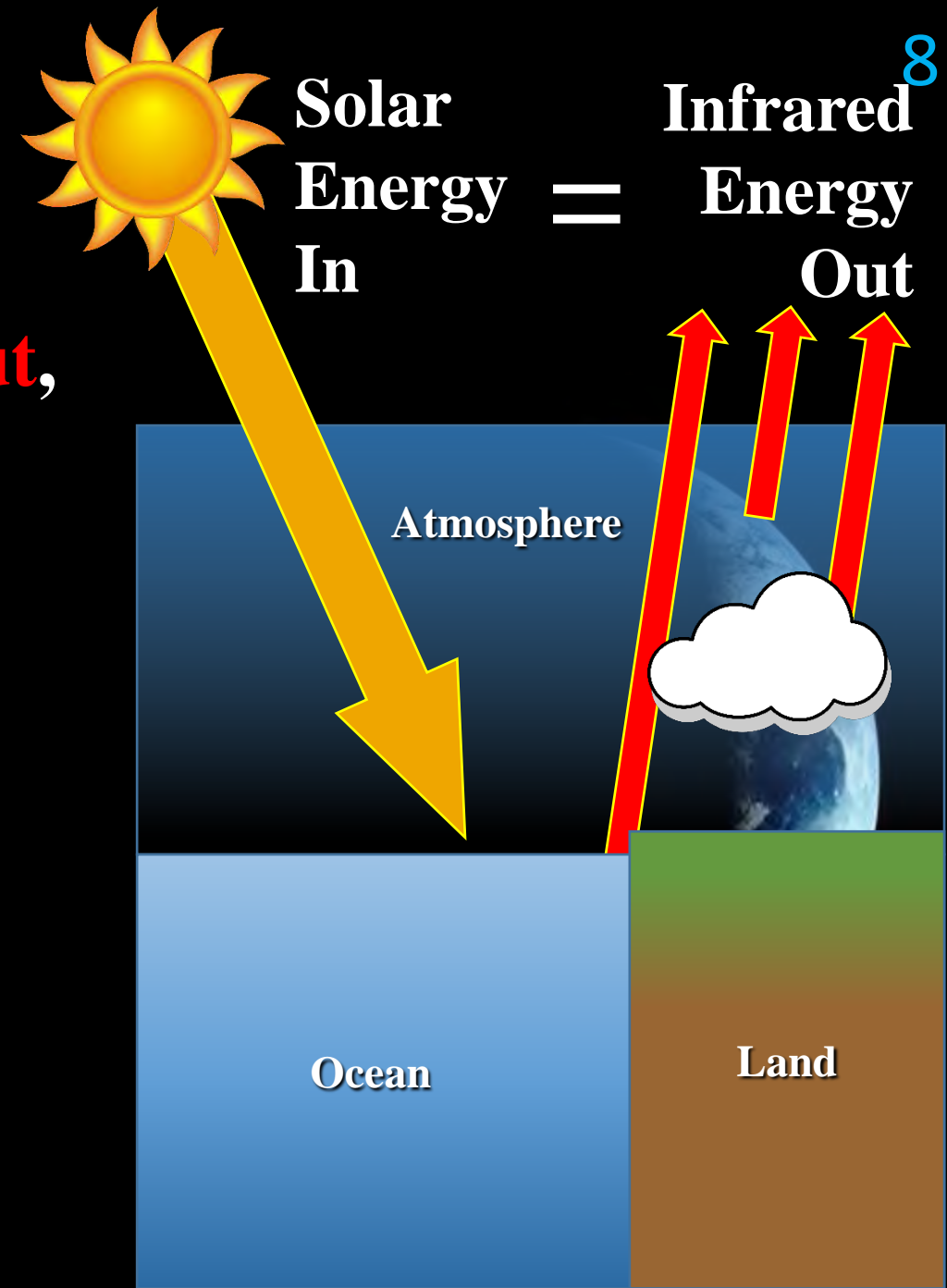
ENERGY IMBALANCE IN GLOBAL WARMING THEORY

If **solar energy in** > **infrared energy out**,
the climate system warms.

Increasing CO₂ causes a *reduction in infrared energy out* (warming tendency).

Exactly how much warming will occur
is uncertain and debatable...

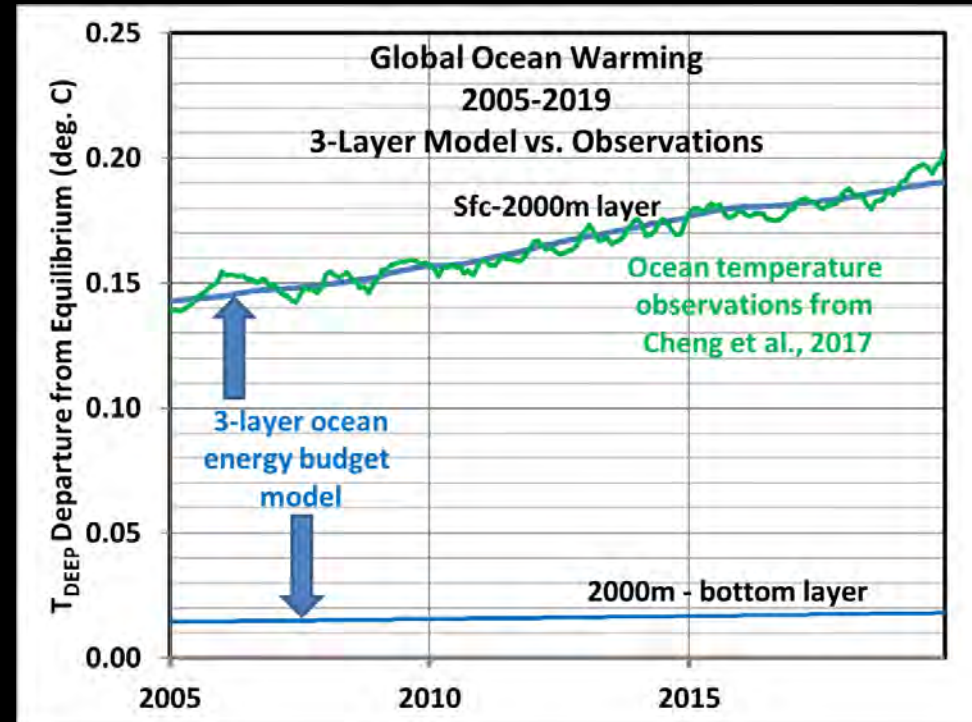
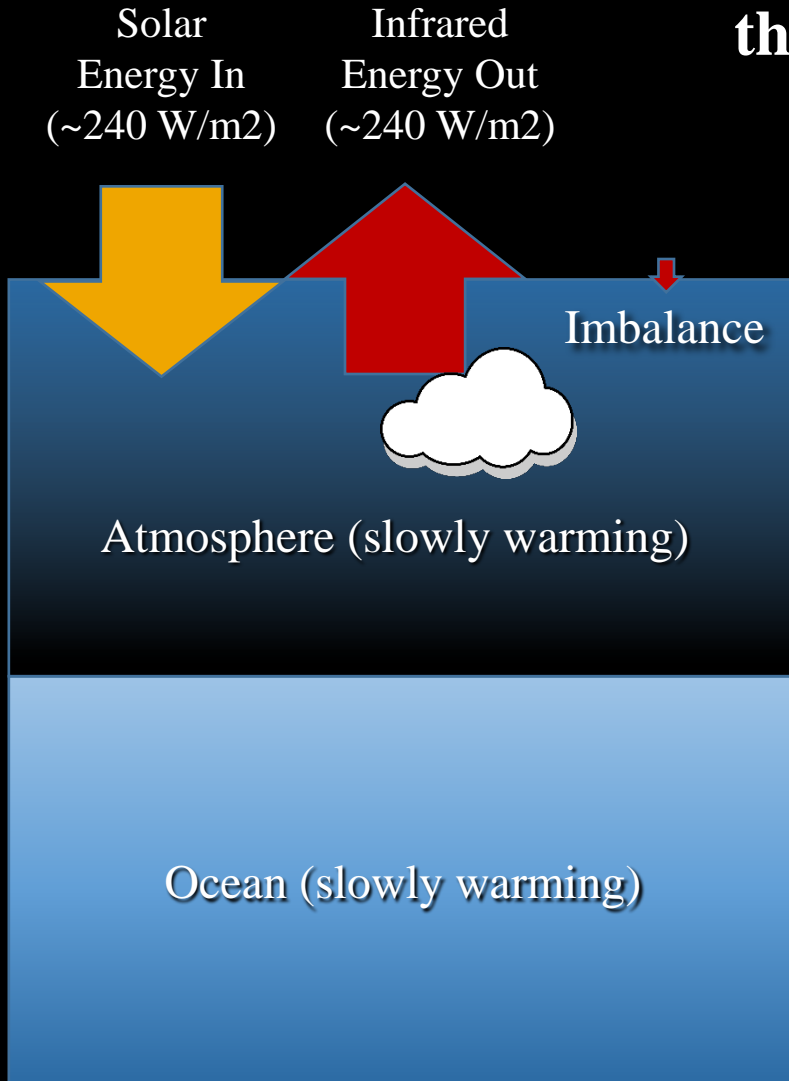
...the UN IPCC (AR5) says 1.5° to 4.5° C for a
doubling of atmospheric CO₂ (“2XCO₂”); this is
called the “equilibrium climate sensitivity” (ECS).
(*newer AR6 models averaging 3.7 to 4.0 deg C!!!*)



HOW LARGE IS THE GLOBAL ENERGY IMBALANCE?

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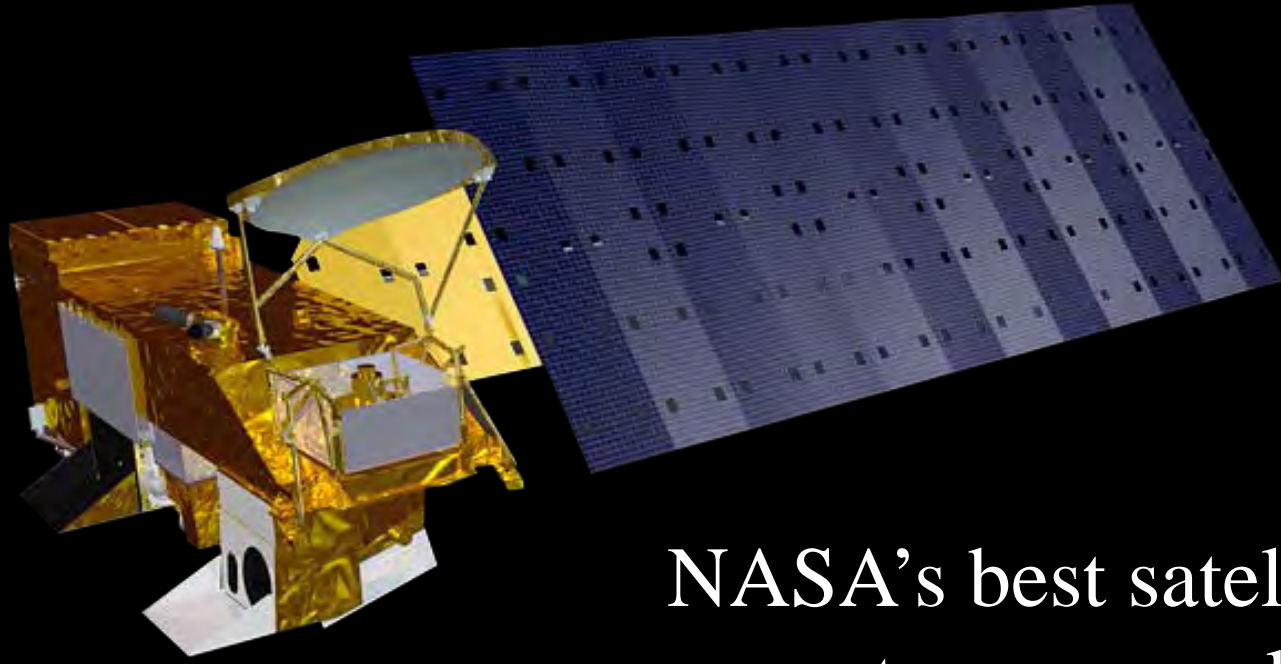
Since 2005, only about 0.8 Watts per sq. meter;
this is only 1 part in 300 of **natural** energy flows.



We do not know **natural** energy flows to this accuracy, thus
climate change **could be** mostly natural, and we would not know it!

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EVEN OUR BEST SATELLITE OBSERVATIONS AREN'T THAT ACCURATE...



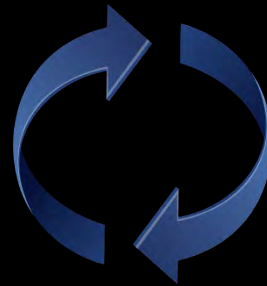
NASA's best satellite instruments cannot measure global energy flows to the level of accuracy required to attribute warming to humans.



CLIMATE MODELS THAT SUPPOSEDLY “PROVE” HUMANS ARE RESPONSIBLE USE CIRCULAR REASONING

- => Models are first “adjusted” to produce NO warming.
- => Then CO₂ is added, and warming occurs.
- => It is thus concluded recent warming is due to increasing CO₂.

*... so, the modelers merely
conclude what they assumed
at the outset.*



THERE ARE NO “FINGERPRINTS” OF HUMAN-CAUSED WARMING

Any source of warming will look about the same:

Land will warm faster than the oceans.

**Warming will be largest at high northern latitudes,
least at far southern latitudes.**

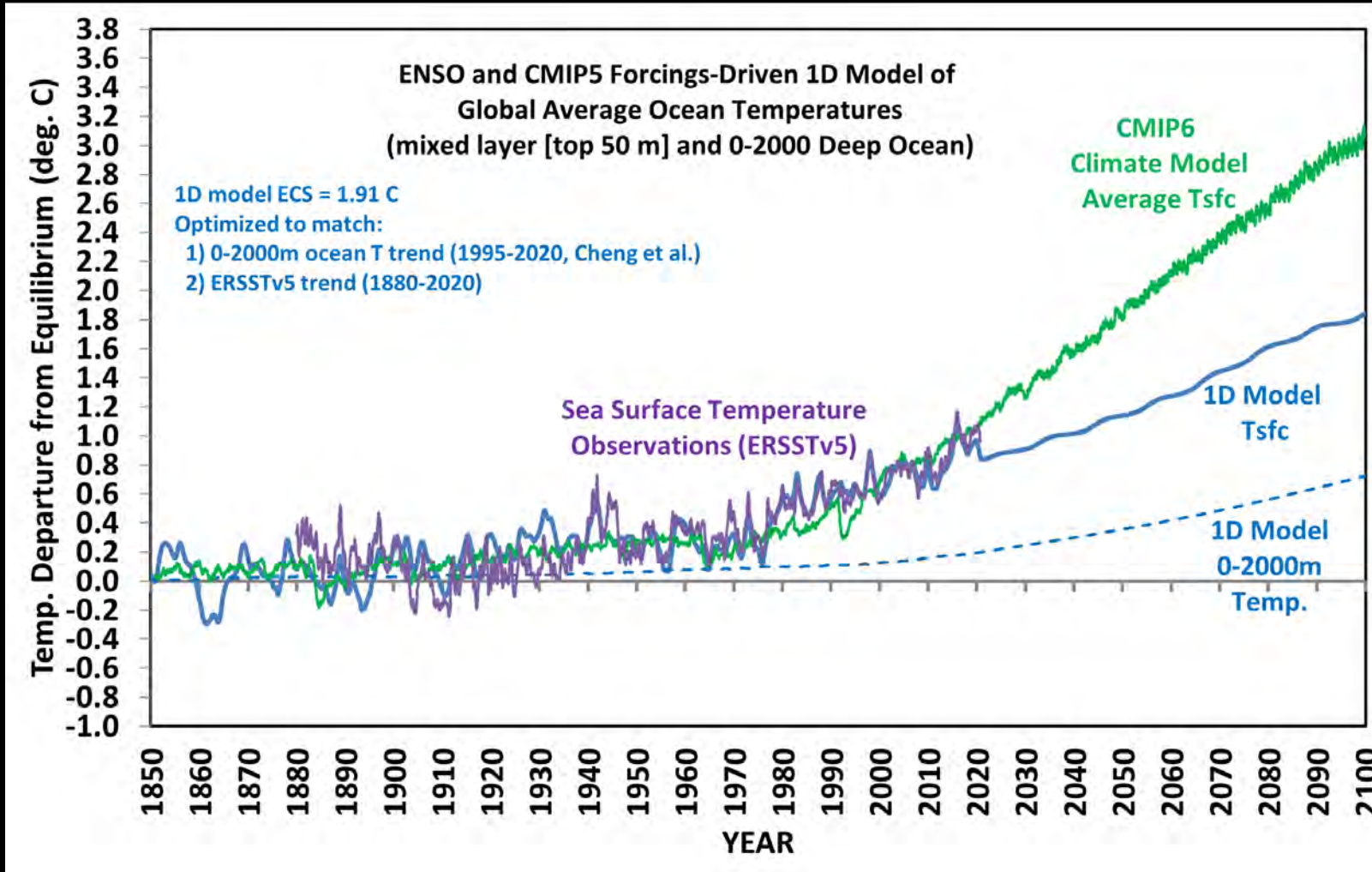
(Stratospheric *cooling* probably is a fingerprint of increasing CO₂.)

NEVERTHELESS, LET'S ASSUME ALL WARMING

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HAS BEEN DUE TO HUMANS...

In our (UAH) 1D ocean model, a 2XCO₂ climate sensitivity of **only ~2 deg C** explains ocean warming (surface and deep ocean) since the 1800s.



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SIMILAR PUBLISHED CALCULATIONS FROM OCEAN AND AIR TEMPERATURE INCREASES SUGGEST LOW CLIMATE SENSITIVITY

A global energy budget analysis performed by N. Lewis & J. Curry* diagnosed a climate sensitivity of only **1.5° to 1.7° C** (IPCC models produce 3.0° to 3.5° C, or more)

In other words, the climate sensitivity of the climate models used to guide energy policy is probably **two times (2x) too high!**

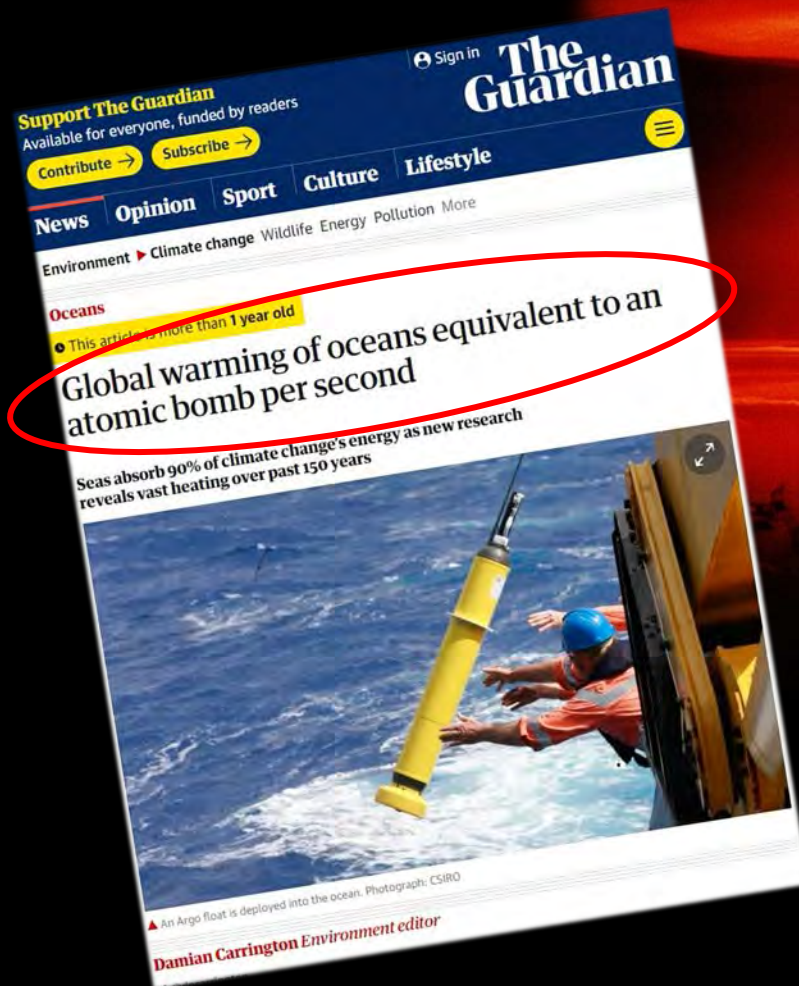
*Lewis, N. and J. Curry, 2018: "The Impact of Recent Forcing and Ocean Heat Uptake Data on Estimates of Climate Sensitivity" *Journal of Climate*.

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2X
OR MORE



DECEPTION: THE ALARMIST LANGUAGE OF “CLIMATE CRISIS”



But Guess What...?

The sun puts the energy equivalent of
300 atomic bombs
into the ocean every second.

WHAT PEOPLE HEAR: EXAGGERATIONS OR FALSEHOODS

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POPULAR CLAIMS

1. Hottest year (decade) ever!
2. Wildfires are increasing!
3. Storms are worsening!
4. Crops are failing!
5. Humans are suffering!
6. We only have 10 years left!
7. Extinction Rebellion!

THE EMPIRICAL REALITY

By 1/100th of a degree! Did you actually feel it?

Global wildfires have not increased!
(regional increases usually result from forest mismanagement.)

Storm intensity has not changed!
(storm financial losses increase with wealth & more infrastructure.)

No! Global crop yields (bushels/acre) continue to break records!

Cold kills more people than heat. No “climate deaths.”
Poverty, not weather, is the greatest threat to human flourishing.

We’ve only had 10 years left for the past 50 years or more!

Moving towards “primitive socialism” is not “being green”!



CROP YIELDS CONTINUE TO BREAK RECORDS

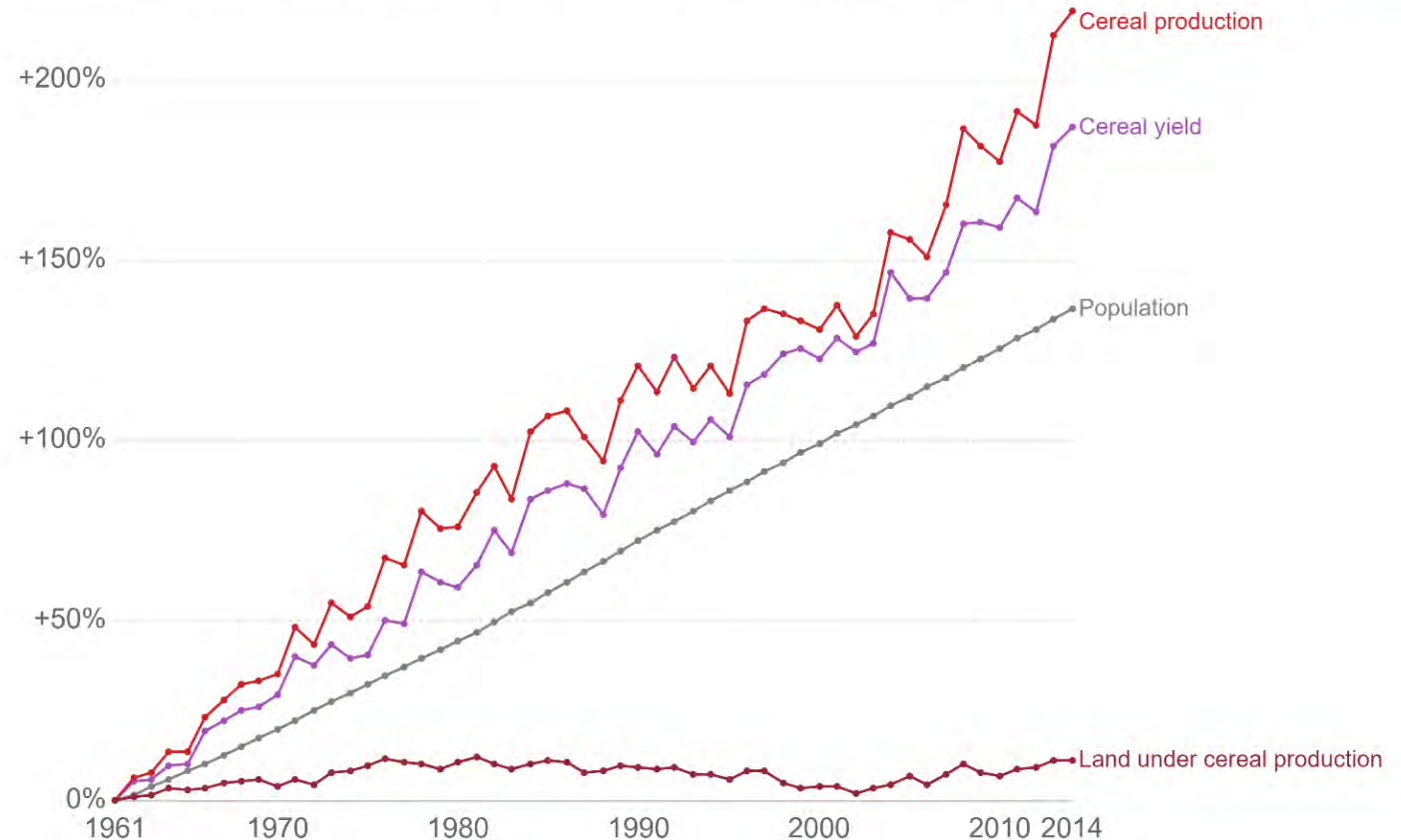
**More CO₂ in the atmosphere
has led to an increase of
\$3.5 trillion in agricultural
productivity from 1961- 2011.
Source: Dr. Craig Idso.**



Change in cereal production, yield and land use, World

Population and cereal production, yield and land use figures are indexed to the year 1961 (i.e. 1961 = 0).

Our World
in Data



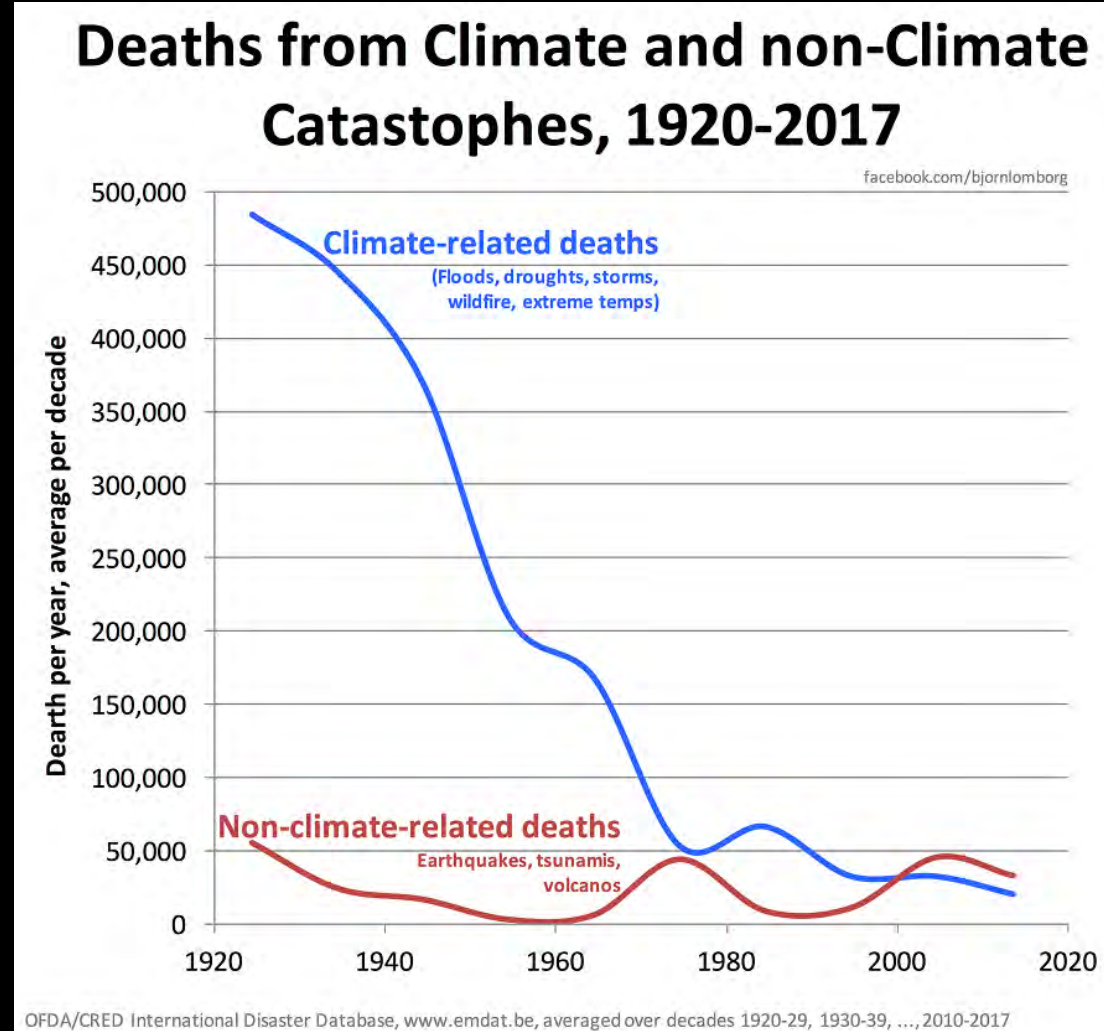
Source: OWID based on World Bank; and UN FAO

OurWorldInData.org/crop-yields • CC BY

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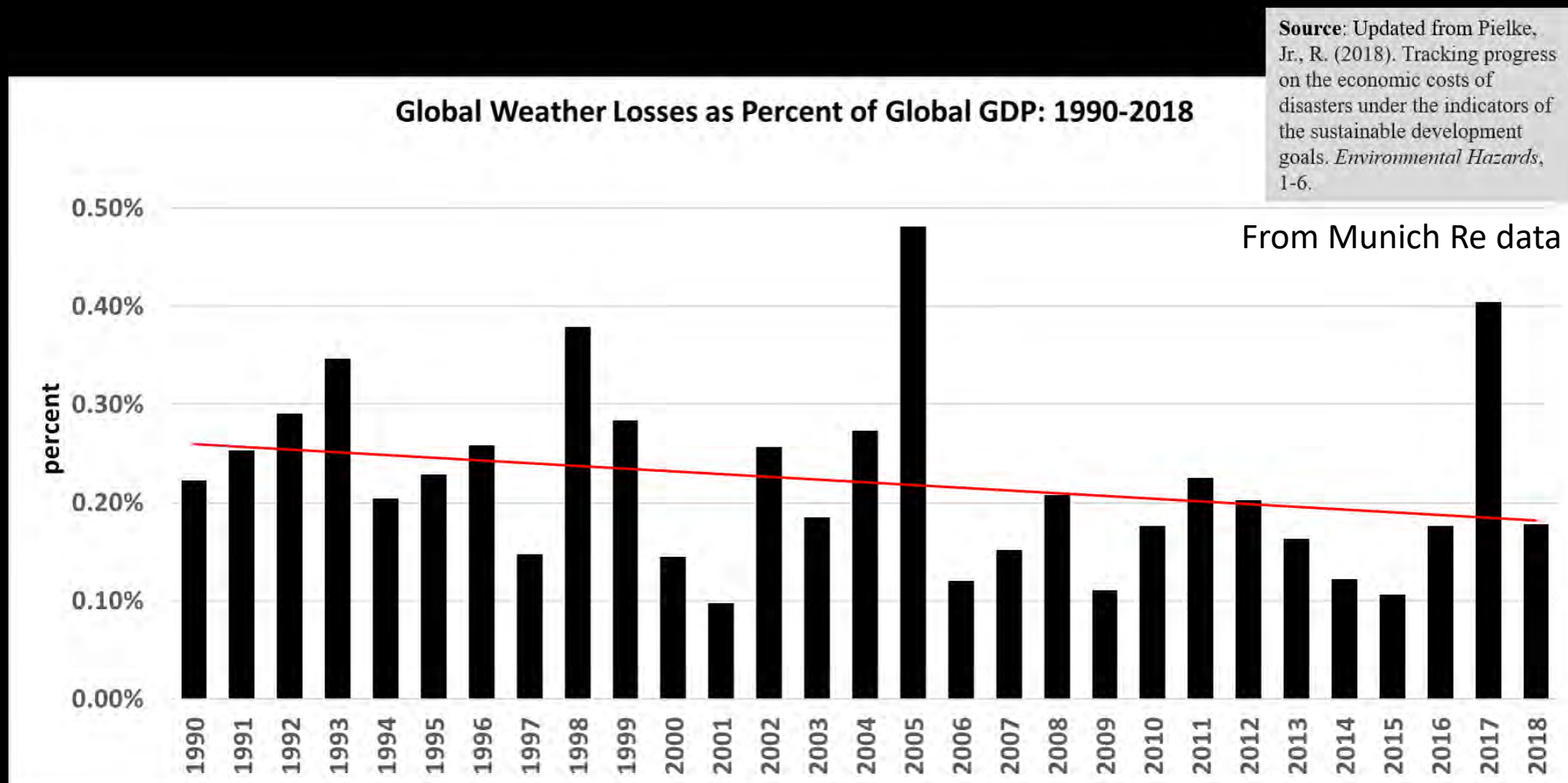
THE TRUTH: WEATHER-RELATED MORTALITY IS DOWN 95% IN LAST 100 YEARS

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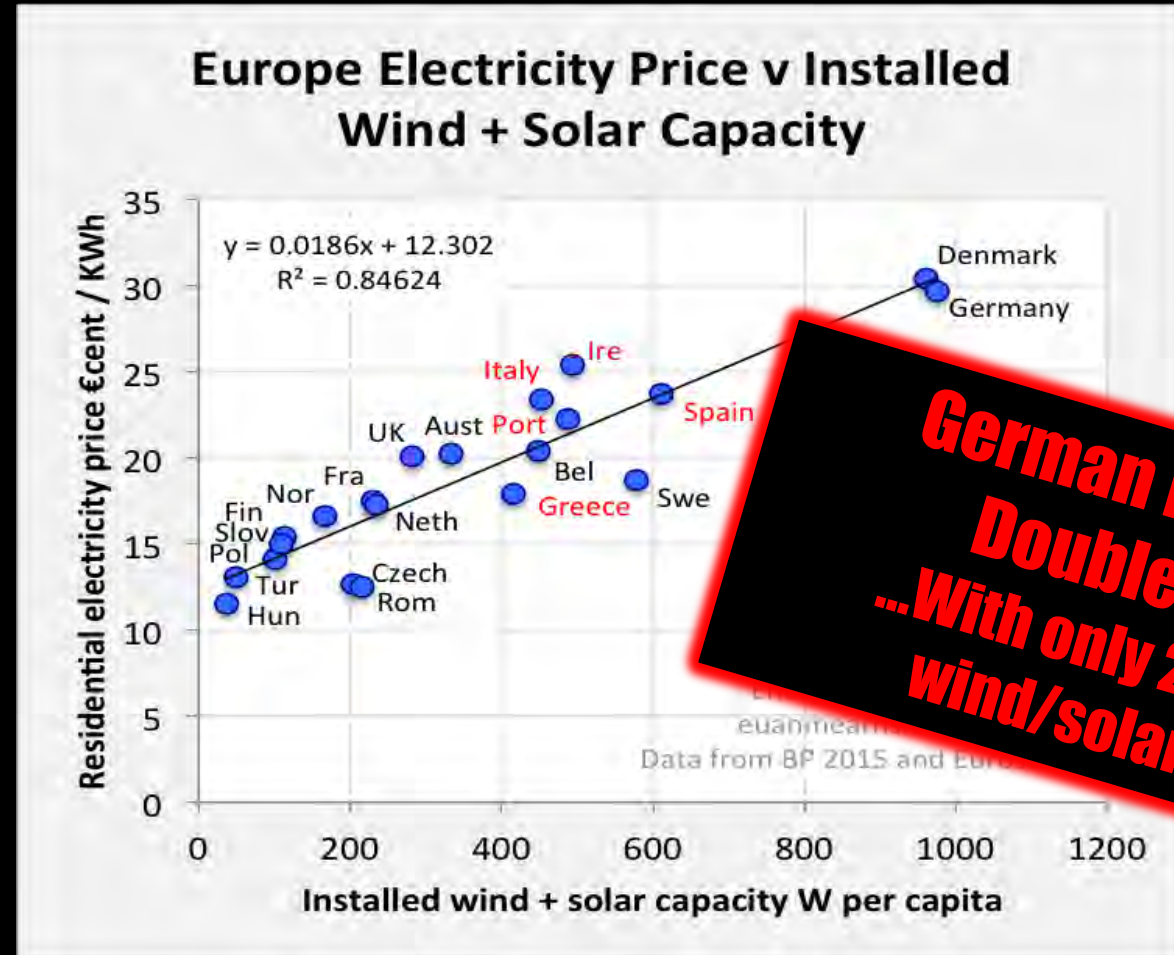
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MORE TRUTH: *DOWNWARD* TREND IN WEATHER DISASTER LOSSES RELATIVE TO GDP



THE “SOLUTIONS” FOR CLIMATE CHANGE ARE EXPENSIVE, DESTROY PROSPERITY, & HURT THE POOR

The price of electricity in Europe goes up in proportion to how much solar + wind energy is used.



**German Price
Doubled
...With only 20%
wind/solar.**

BUT THE “PROFITS/PROPHETS OF DOOM” WILL CONTINUE...

The climate change / sustainability / social responsibility narratives are strong and profitable, coming from:

1. The **CLIMATE MODELERS: CMIP6 models now produce 3.7 – 4.0 deg. C warming from 2XCO2!**
 2. The education system;
 3. The news media;
 4. The entertainment industry;
 5. Political leaders and government agencies;
 6. Government grants, programs, and mandates;
 7. Rent-seekers (those who want access to political power);
 8. An increasing number of activist corporations;
- And an increasingly frightened and guilt-ridden public.



FOR A CLIMATE “EMERGENCY” TO EXIST AND REQUIRE A CHANGE IN ENERGY POLICY:

- 1. Climate change & warming must be well beyond what humanity is already used to.**
- 2. The cause must be greenhouse gas (GHG) emissions.**
- 3. The “cure” (e.g. solar and wind) cannot cause more harm than simple adaptation.**
- 4. The benefits (positive externalities) of extra CO₂ must also be taken into account.**

CONCLUSION:

There is no CLIMATE crisis...

**...but there will be a HUMANITARIAN crisis if we
allow the “warmmongers” get their way.**



THE END



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