

The Myth of Global Warming (Science and AGW)



Peter Stallinga, University of the Algarve, 9 December 2014


**“If you see fraud and don't shout 'fraud!',
you are fraud!”**

- Nassim Nicholas Taleb




The 'truth'

“The belief that there is only one truth and that oneself is in possession of it seems to me the deepest root of all evil that is in the world.”



—Max Born,
German physicist
Dec. 11, 1882 - Jan. 5, 1970

NOVA
PBS.ORG/NOVA



The greatest enemy of knowledge is not ignorance, it is the illusion of knowledge.

—Stephen Hawking

In other words, people that say they know the truth are complete idiots

Psychology of belief

Moral reward table (in moral euros)	Person believes it	Person does not believe it	
AGW is true	+10	-1000	Severe punishment for unbelievers
AGW is false	-0.1	+10	
Ignoramus (50%/50%) expected yield	+4.95	-495	

Winning strategy!

"It turns out to be false, no harm's done"

"Can be true or can be false (who am I to tell?!), 50%, so I'd better bet on it to be true!!!"

"There is a consensus amongst scientists. Actually it is more like 90% probably correct"

"I can even win more moral dollars by convincing others!" (passive vs. active)

Psychology with correct numbers

Moral reward table (in moral euros)	You believe it	You do not believe it
AGW is true	+10	-1000
AGW is false	-10000	+10
You (10%/90%) expected yield	-8999	-91

Winning strategy!

1) The moral punishment for betting wrongly on AGW is much more severe than betting wrongly against AGW ideas

2) **The probabilities are not 50%/50%, but 90% certain AGW is wrong**

(NB: only with knowledge can you hope have an expected positive score)

Overview

Part I: The state of science in the 21st century

Part II: What *is* science?

Part III: The Scientific Method applied to Global Warming

This presentation is based on our two publications:

Stallinga & Khmelinskii, *Energ. Environ.* 25, 137 (2014)
and *Euro. Sci. J.* 4, 385 (2014)

Stallinga & Khmelinskii, *Int. Schol. Res. Not.* 2014
(doi: 10.1155/2014/161530)

The logo for Stallinga.org, featuring the word "Stallinga" in bold black text on a yellow background, followed by ".org" in black text on a blue background.

Stallinga.org

Non-profit science organization

Part I

The state of affairs

Science (definition)

Science = knowledge

Science is the search for knowledge

Science is the love for knowledge (philo-sophy)

Knowledge, and only knowledge (not important for whom, how, why or what)

What science is not

- Science is not “knowing how to make things” (that is technology)
- Science is not “advanced (intelligent) research” (ex. tallying of fish stock, “knowing how many sardines in Algarve waters”)
- Science is not “solving problems” of society (ex. new solar panels to fight climate change)

“Philosophy is not a strategy”
- anonymous

History of science. 19Th century

- Science is the research that follows the 'Scientific Method'
- Heydays of science. Science reached its maximum (ca. 1940)

History of science. Late 20th century

- Science is “reliable, teachable knowledge”

This makes all religions science ('reliable' is a fuzzy word!)

It makes all dogmas science. A dogma is per definition reliable!

You can call anything you want 'science'
(what in fact happens in 21st century)

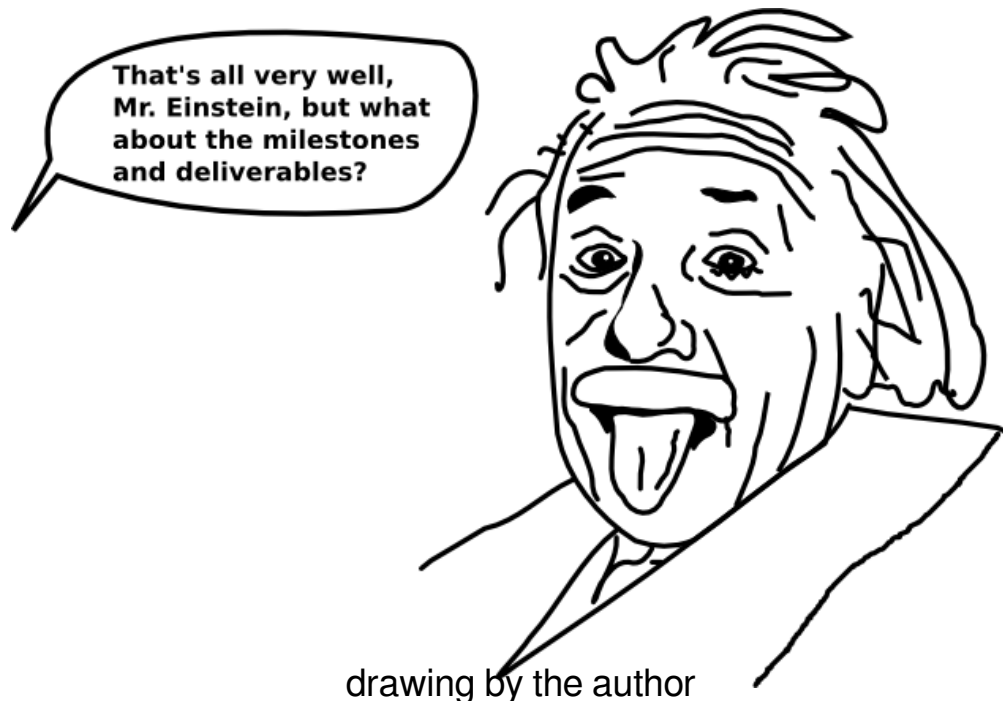
“Dogmas are collective conceptual prisons. And the strange thing is that people love their prison cells because they give them a sense of security and a false sense of 'I know.' Nothing has inflicted more suffering on humanity than its dogmas”

- Eckhart Tolle

History of science. 21st century

- Note: If you write a project proposal and have to explain why it is beneficial for society, it is not science! (It is 'research' at best)

How would Einstein write his project proposals in 2014?



“Anyone who thinks science is trying to make human life easier or more pleasant is utterly mistaken”

- Albert Einstein

Funny example

In 2013, science has to be 'politically correct'
Ex. Women have 8% smaller brain

Politically correct!

Imagine writing “women have 8% less brains and are more stupid”

Pseudoscience! Ordained by a political body looking (paying) for scientific back-up of political agenda

The screenshot shows the top of a CBS Sacramento news website. The header includes the CBS logo, 'CBS Sacramento', and various social media links. Below the header is a navigation bar with links to Home, News, Sports, Audio, Video, Best of, Health, Traffic, Weather, Places, and Tr. A secondary navigation bar lists categories like Latest News, Local, Call Kurtis, Politics, Entertainment, Offbeat, Business, and Tech. The main headline is 'Study: Female Brains Are Smaller Than Male Brains, But Used More Efficiently', dated March 4, 2013, 10:22 AM. Below the headline are social media sharing buttons for Like (998), Tweet (160), and Share (200), along with a 'View Comments' link. The article text begins with 'SACRAMENTO (CBS Sacramento) - The findings of a new study reveal that, while women do have smaller brains than men, women use the grey matter they do have more efficiently than their male counterparts.' It then mentions 'According to The Daily Mail, a team of researchers from both the University of California and abroad in Madrid made the observation while trying to reconcile the discrepancy between male and female brain size and the equality of intelligence between the genders.' A photograph of three human brains on stands is visible on the left side of the article. A blue arrow points from the text 'Politically correct!' to the headline.

NEWS

Study: Female Brains Are Smaller Than Male Brains, But Used More Efficiently

March 4, 2013 10:22 AM

Like 998 Tweet 160 Share 200 View Comments

SACRAMENTO (CBS Sacramento) - The findings of a new study reveal that, while women do have smaller brains than men, women use the grey matter they do have more efficiently than their male counterparts.

According to The Daily Mail, a team of researchers from both the University of California and abroad in Madrid made the observation while trying to reconcile the discrepancy between male and female brain size and the equality of intelligence between the genders.

...ly 8 percent smaller
...erage.

...e study specifically
...observed the different roles the region of the
...is the hippocampus – which is a
...center of emotional and memory function in the

<http://sacramento.cbslocal.com/2013/03/04/study-female-brains-are-smaller-than-male-brains-but-used-more-efficiently/>



Reproducibility: The risks of the replication drive

Mina Bissell

20 November 2013

The push to replicate findings could shelve promising research and unfairly damage the reputations of careful, meticulous scientists, says Mina Bissell.



PDF



Rights & Permissions

Subject terms: Cell biology • Publishing • Research management



Replication

Repeating an experiment is essential in science.

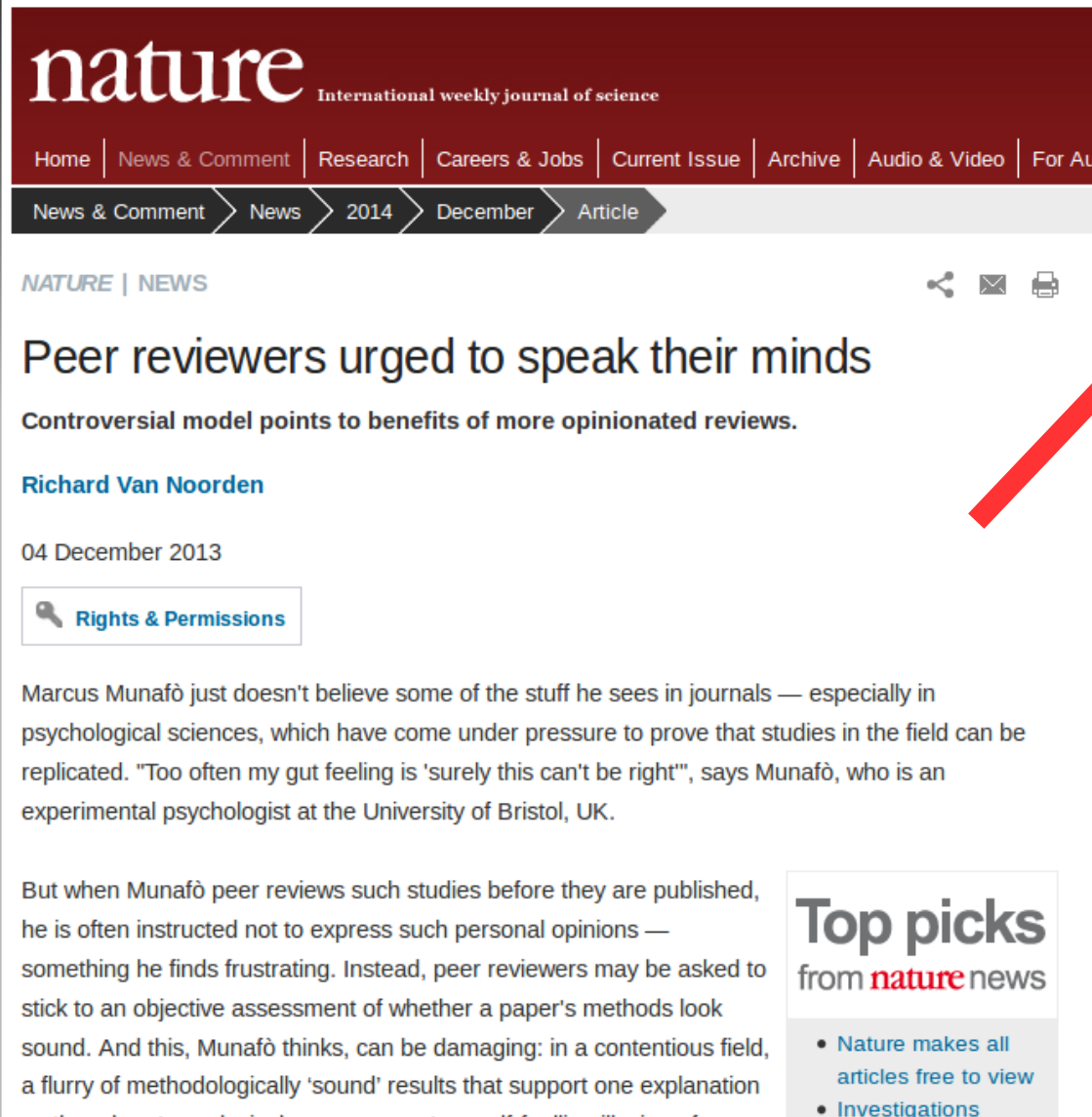
2013: Need for replication is annoying (and is even outsourced to commercial entities)*

Stallinga: “When a source of information has a stake in a discussion, that information has to be ignored”^o

*: <http://www.nature.com/news/reproducibility-the-risks-of-the-replication-drive-1.14184>

^o: Stallinga, “De mythe van klimaatsveranderingen”, Lulu (2010)

Peer review? Bias allowed!



The screenshot shows the top of a Nature news article. The header includes the 'nature' logo and navigation links. The article title is 'Peer reviewers urged to speak their minds' with a subtitle 'Controversial model points to benefits of more opinionated reviews.' The author is 'Richard Van Noorden' and the date is '04 December 2013'. A 'Rights & Permissions' button is visible. The main text starts with 'Marcus Munafò just doesn't believe some of the stuff he sees in journals — especially in psychological sciences...'. A 'Top picks from nature news' sidebar is on the right.

nature International weekly journal of science

Home | News & Comment | Research | Careers & Jobs | Current Issue | Archive | Audio & Video | For Authors

News & Comment > News > 2014 > December > Article

NATURE | NEWS

Peer reviewers urged to speak their minds

Controversial model points to benefits of more opinionated reviews.

Richard Van Noorden

04 December 2013

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Marcus Munafò just doesn't believe some of the stuff he sees in journals — especially in psychological sciences, which have come under pressure to prove that studies in the field can be replicated. "Too often my gut feeling is 'surely this can't be right'", says Munafò, who is an experimental psychologist at the University of Bristol, UK.

But when Munafò peer reviews such studies before they are published, he is often instructed not to express such personal opinions — something he finds frustrating. Instead, peer reviewers may be asked to stick to an objective assessment of whether a paper's methods look sound. And this, Munafò thinks, can be damaging: in a contentious field, a flurry of methodologically 'sound' results that support one explanation

Top picks
from **nature** news

- Nature makes all articles free to view
- Investigations

“Referees should not use scientific analysis (check solid reasoning and methods) but use '**gut feeling**'”



“In my religion(*) all humans are sinners and therefore humans *must* be responsible for climate changes. Paper of Stallinga: reject!”



Science has become like a Facebook social network

*: J. Anderson Thomson about cognitive bias: "We have a great deal of difficulty seeing anything other than human causation"

newsblog

Nature brings you breaking news from the world of science

News & Comment

News Blog

Post

Previous post

Agency to consider endangered listing
for US research chimps

Next post

Reliability of 'new drug target' claims
called into question

NATURE NEWS BLOG

Cool climate paper sinks journal editor

02 Sep 2011 | 22:09 GMT | Posted by [Richard Monastersky](#) | Category: [Earth, environment & ecology](#)

The editor of the journal *Remote Sensing* resigned today, saying in [an editorial](#) that his journal never should have published a controversial [paper](#) in July that challenged the reliability of climate models used to forecast global warming.

The paper, by Roy Spencer and William Braswell of the University of Alabama in Huntsville, proposed that climate researchers have likely made a fundamental error by overestimating the sensitivity of the climate to greenhouse-gas pollution.



The climate-research blog [Real Climate](#) and other mainstream researchers complained that the paper was itself fundamentally flawed, but the *Remote Sensing* article garnered support from climate skeptics and significant press attention, thanks in part to an overly hyped [press release](#). The editor of *Remote Sensing*, Wolfgang Wagner of the Vienna University of Technology, said he now views the paper as "fundamentally flawed and therefore wrongly accepted by the journal. This regrettably brought me to the decision to resign as Editor-in-Chief—to make clear that the journal *Remote Sensing* takes the review process seriously."

Peer review

Peer review: Good, but who controls the controllers?

Editor forced to quit for accepting a (1) bad paper
(If this were common practice, there would be no editors left in the world)

Political pressure!

Editors afraid to publish climate skeptic papers
→ scientific consensus!

http://blogs.nature.com/news/2011/09/cool_climate_paper_sinks_journ.html

Politics and public opinion

4. **DSL** at 14:00 PM on 3 September, 2011

What does Pielke mean by "politicized"? All science is politicized from the get-go because funding must be provided--in all sectors. Decisions about the worth of a study must be made. Those decisions are essentially political. I can only assume that Pielke means that Wagner only further brings climate science into the maw of mass media and public opinion, which is where it should be. People should be thinking about it. What the science indicates is serious trouble, and an informed public is never a bad thing. Pielke, then, laments the possibility of more people engaging the situation, for surely he couldn't be lamenting the idea that more idiots get a crack at the situation, not when he's let garbage slide right by him without correction or comment on various blogs and in association with the NIPCC. And he implicitly defends Spencer's work (surely he's read it and the criticisms).

Typical comment at typical blog

<http://www.skepticalscience.com/Journal-editor-resigns-over-fundamentally-flawed-paper-Roy-Spencer.html>

Climate change: **If** it is true, it is very very important and ...
therefore it is true, because we have to **act as if** it were true.

Then, **because** it is true, we must hire 'scientists' to **prove it**, and make propaganda to brainwash the people into **believing** it is true (because there is a benefit/profit to do so)!

It's all about believing

Climate change: ***If*** it is true, it is very very important and .. ***therefore*** it is true

This is an example of Pascal's Wager (see opening slide):
“I do not know whether God exists, but I know that I have nothing to gain from being an atheist if he does not exist, whereas I have plenty to lose if he does. Hence this justifies my belief in God”

Even better than believing in God, is convincing others! (double bonus when knocking at the pearly gates of heaven).

Stallinga & Khmelinskii, “Psychology of global warming modeled with Game Theory decision tables” (submitted Rev. Phil. Psych. 2013)

It's all about politics

1) 1982: Roger Revelle* needed funding for his atmospheric research (Scripps Institution)



Established 1845 **SCIENTIFIC AMERICAN** August 1982 Volume 247 Number 2

Carbon Dioxide and World Climate

That the atmospheric content of carbon dioxide is increasing now seems well established. As a result some latitudes could become warmer and wetter, but the effects may not all be bad

by Roger Revelle

The “carbon dioxide question,” which has become the subject of extensive concern in recent years, is actually three questions. The first is how much carbon dioxide will be added

would be lower and the oceans might be a solid mass of ice.

Over geologic time vast quantities of carbon dioxide have been emitted by volcanoes. Almost all of it has been

over the previous 60 years might have been caused by an increase in atmospheric carbon dioxide from the burning of fossil fuels. Gilbert N. Plass argued along similar lines in the early 1950's.



2) 1984: Alleged CO2 problem used to break coal miners trade unions in UK by liberal Ms. Margaret Thatcher, who later also inaugurated Hadley science center (IPCC main nucleus; IPCC founded in 1985)°

*: Roger Revelle is lifelong friend of Mr. Al Gore (Bachelor in Arts and politician)

°: <http://blogs.telegraph.co.uk/news/jamesdelingpole/100211031/margaret-thatcher-godmother-of-global-warming/>

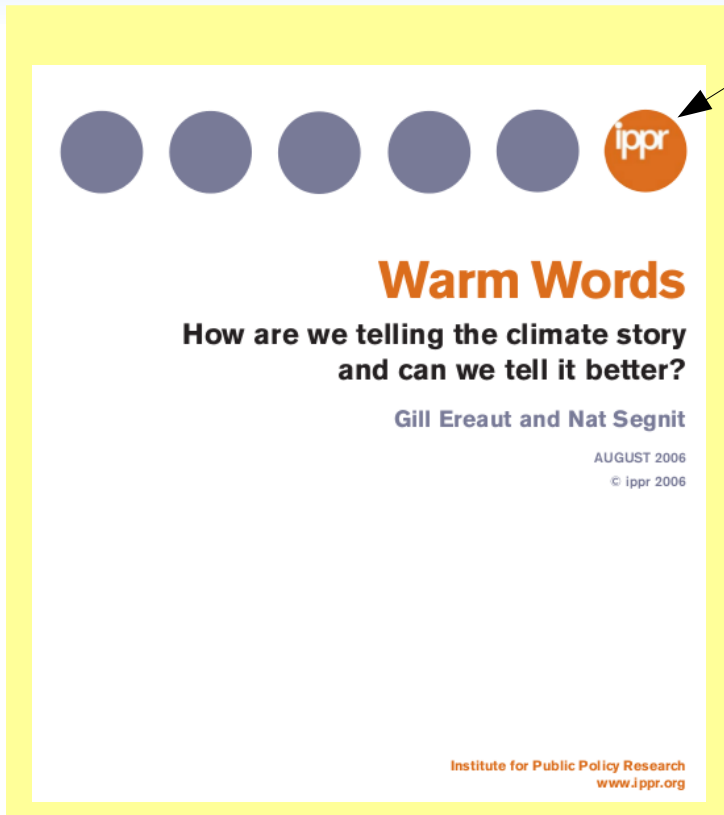
It's all about politics

IPCC = Inter~~governmental~~ Panel on Climate ~~Change~~

- The IPCC is a ~~political~~ body dominating the scientific discussion
- The IPCC obeys Angus' First Law(*) of human organizations (they tend to self-justify their existence and grow, grow, grow ...)
A.k.a. 'Escallation of commitment' (cannot say “Guys, we were wrong, let's close the shop”)
- The IPCC had from the start an agenda to prove human caused climate ~~change~~

*: “All human organizations tend to be self-amplifying. There is an effect which hamstrings all corporations, even the most effective ones. It is the natural tendency of any organization to become ever more like what it already is.”

Politics. Brainwashing*



"The task of climate change agencies is **not to persuade by rational argument** ... Instead, we need to work in a more shrewd and contemporary way, using subtle techniques of engagement ... The 'facts' need to be treated as being so taken-for-granted that they need not be spoken. Ultimately, positive climate behaviours need to be approached in the same way as marketers approach acts of buying and consuming ... It amounts to treating climate-friendly activity as a brand that can be sold. This is, we believe, the route to **mass behaviour change**"

similar to: **Отдел пропаганды и агитации ЦК КПСС**
RMVP, or Propagandaministerium, of Minister Göbbels

*: Brainwashing is called 'persuasion strategy' in political research jargon:
"Our hope is that researchers will design persuasion strategies that effectively change people's implicit attitudes without them having to suffer through a disaster"^o

^o: Rudman, Physiological Sci. (2013). DOI: 10.1177/0956797613492775

Like any good religion: Get them when they are young!!



CLIMATE CONTROL Brainwashing in schools

Andrew Montford and John Shade

Foreword by Professor Terence Kealey

GWPF REPORTS

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Director

Benny Peiser

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NB: In UFABC you are even brainwashed in the elevators!

The Global Warming Policy Foundation

GWPF Report 14

It's all about the money \$



Science needs benefit/outcome/ relevance and thus we are allowed to prove the need of a product any way we can if it makes profit

Statins (AstraZeneca) sold to fight alleged problems with cholesterol. AZ invented a medicine (statins) and **then** invented an illness to market the medicine. Paid research to prove the efficiency of statins (Or Tamiflu sold to fight the Mexican Flu 'epidemic')

That is what means 'benefits and outcomes' !

Stallinga prediction: the research will prove the benefit of statins just to the moment of expiration of the patent. The very next day, cholesterol will become a non-issue! (like ADHD, officially no longer an illness)

Politics+money = science funding

Now, imagine two groups of climatologist. Which one gets funding?

- 1) “The end of the world is coming. The planet will heat up. You have to fund my research, or we are all doomed!!!!”
- 2) “There is nothing wrong with the climate. My work is therefore rather irrelevant, except to satisfy (my personal) curiosity. Can you please fund my research?”

Funded scientists: 97% consensus that AGW is true.
(Yes, well, you paid for it, duh!)

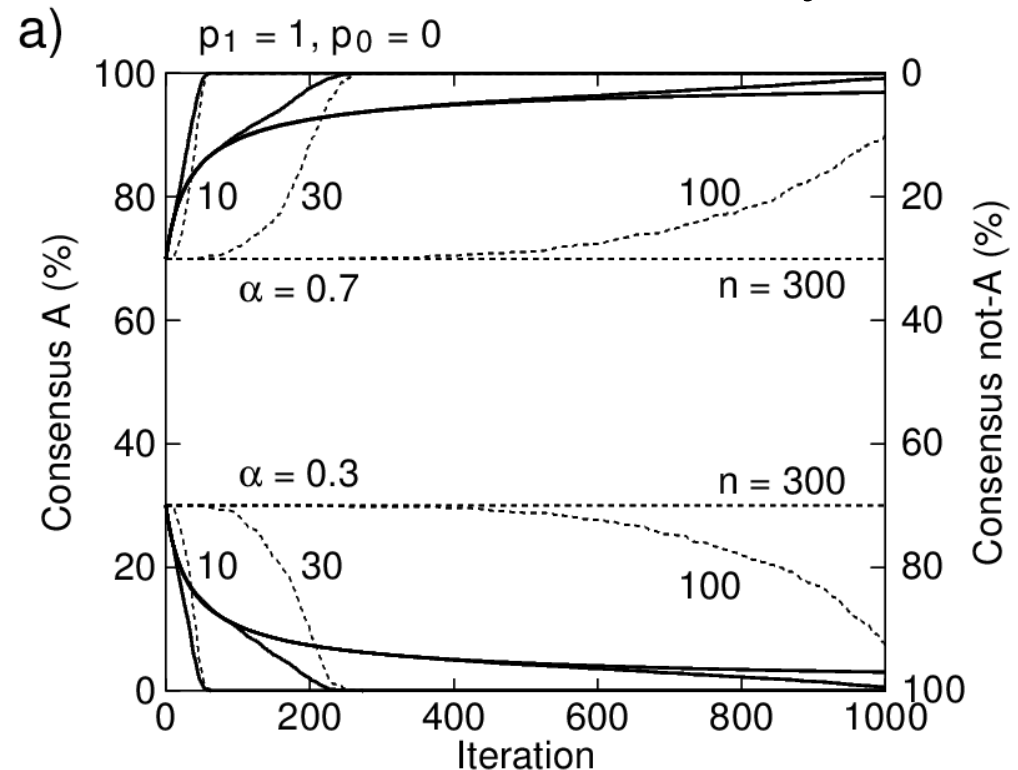
Peer reviewing ==> Consensus

1) Referees are randomly taken from literature. More papers published, more chance of being selected for refereeing

2) Referees, with (allowed!) cognitive biases ignore scientific reasoning and accept papers in favor of their beliefs more readily than those against them

Result: **Positive feedback:**
If 'belief A' has a slight advantage over contradicting 'belief B', B will be filtered out completely in a Darwinistic way. Belief B, without publications, will get no funding and will be without a job

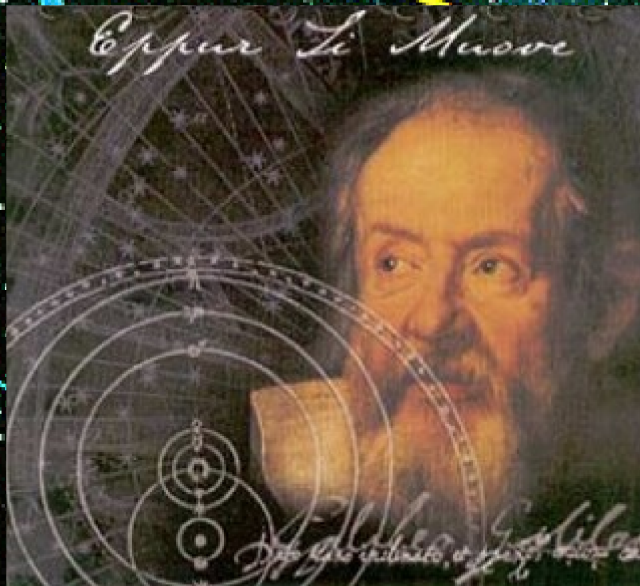
*: (Stallinga & Khmelinskii, submitted, 2013)



Peer reviewing = peer pressure

Consensus is not a scientific argument

People going against the consensus are scientific heroes.
Never the ones who repeat the consensus dogmas!

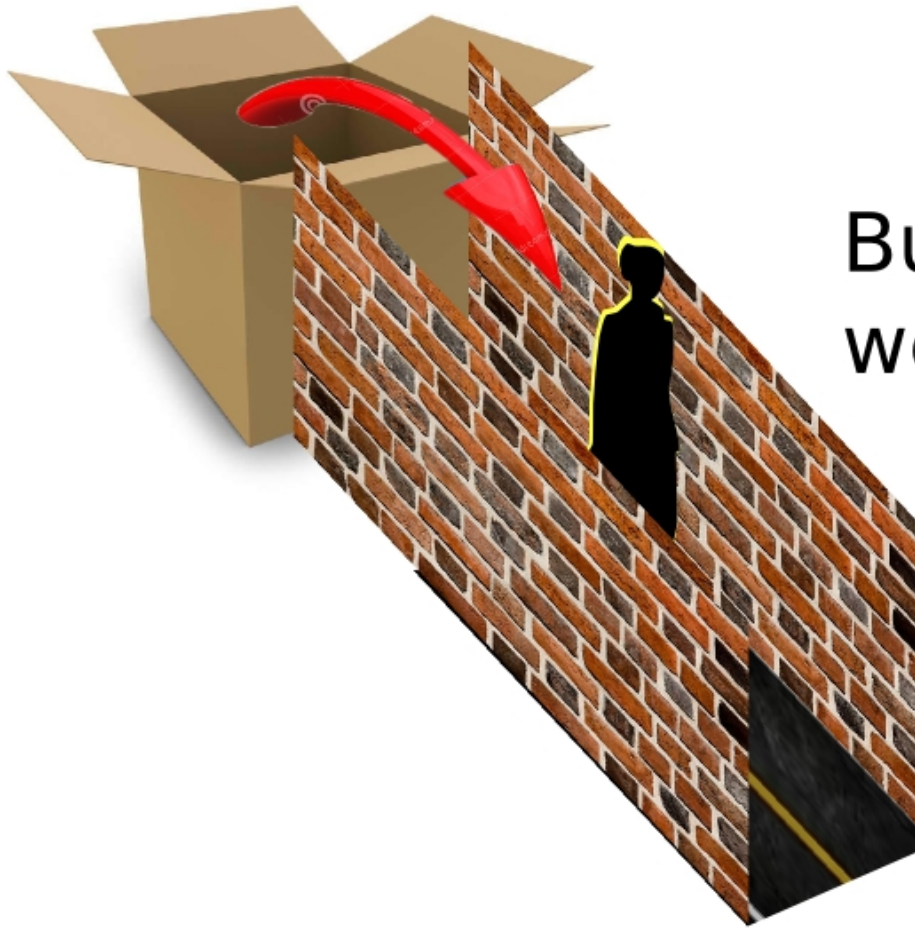


“Eppur si muove!”
- Galileo

(“And yet, it moves ...”)

21st century science

Think outside the box



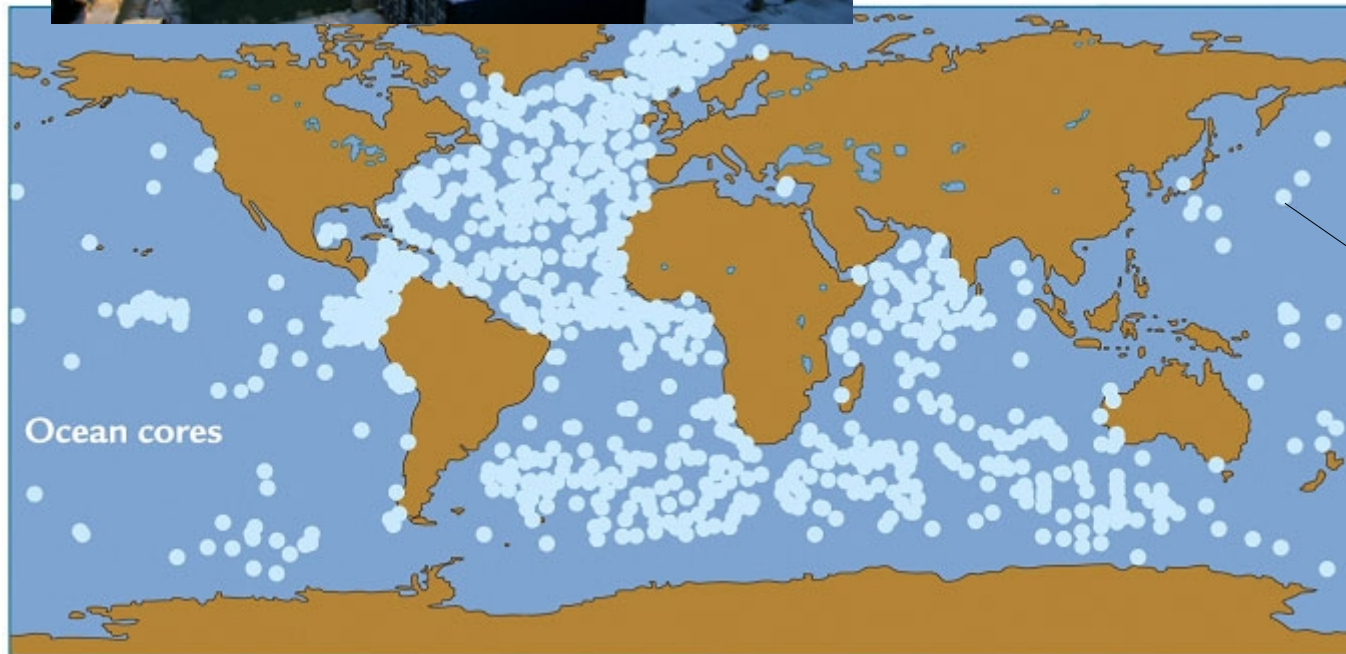
But within the boundaries
we have set for you!

- 1) (General) research
(including technology and tallying)
- 2) Politically correct and not
against what people know
- 3) Profit

21st century science example



Science 2013?
Drill holes in arctic seabed to prove your thesis (what you already know) and actually even contribute massively to the alleged problem being studied

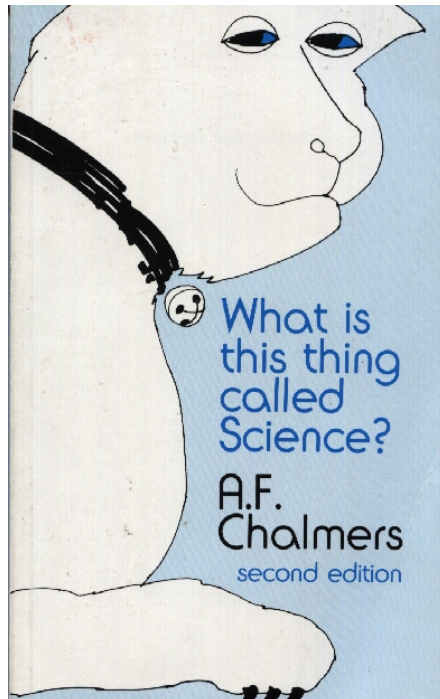


Every drill hole costs ca. \$10 million and has a huge CO2 footprint

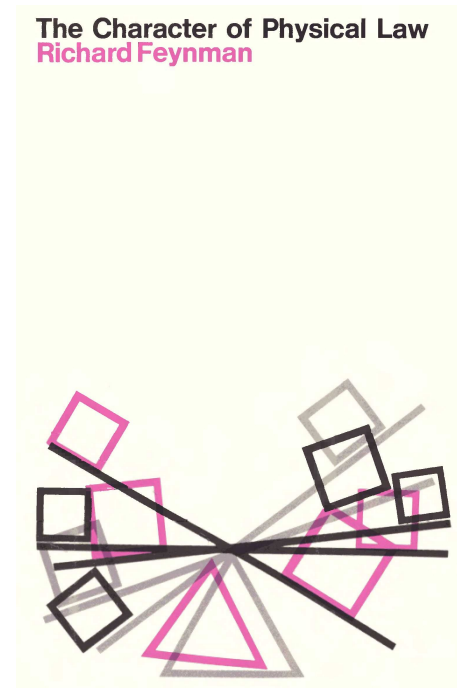
Part II

What *is* science?

Definition of science (mid 20th century)



ISBN: 0-335-10107-0



ISBN: 978-0262560030

The five basic principles of the Scientific Method (of Karl Popper)

The Scientific Method

0: Study the **natural world**



Ex: Mathematics is not science. It is creating a *virtual* world and start reasoning therein
(Science Mid 20th century)

The 'Scientific Method'

1. A '**hypothesis**' (model) is developed (based on observations, deductions, inductions and reductions)



KEEP
CALM
AND
FORM A
HYPOTHESIS

Example

- A scientist shouts to ants “go”, and the ants walk
- Scientist cuts of legs, shouts “go” and the ants don't walk

Conclusion (induction & reduction):
Ants hear with their legs!



The 'Scientific Method'

2.

Model should include a way to disprove the model!

Effort is spent (first by the author) on proving it wrong.

Falsification*

Wrong ('Affirming the consequence')[°]:

If P then Q. Find Q, therefore P!

*: “In other words, we are trying to prove ourselves wrong as quickly as possible, because only that way we can find progress”

- Richard Feynman

[°]: Don't design your experiment “If I am right then ...”, but “If I am wrong then ...”. Look for any theory where it is wrong.

The 'Scientific Method'

3: Creators of the model should convince the readers that it is the **only** model that explains the observations

And if two models are equally good at explaining, the simpler model is correct. 'Ockam's Razor'.
(Constant before linear. Linear before quadratic, etc.)

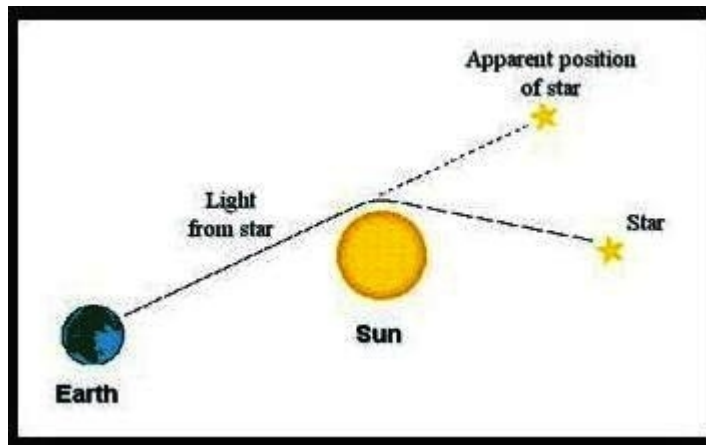


The 'Scientific Method'

4. The model should contain a **verifiable prediction** (It should be possible to apply #2, falsification)*

*: “Science is only useful if it tells you about some experiment that has not been done, it is no good if it only tells you what went on”

- Richard Feynman



Ex.: prediction by Einstein of anomalous (non-Kepler) orbit of Mercury. Prediction of light ray bending by sun. Observed at solar eclipse

The 'Scientific Method'

5. Replication. Other scientists can repeat the work presented

After you have tried to destroy your own theory and haven't managed, publish your work and let others have a go at it, for that they need:

- the description of the techniques used
- the logic / reasoning used
- the raw data

The 'Scientific Method'

No mention of

- Political correctness
- Consensus
- Benefits and outcomes(*)
- Peer reviewing (in first step)
- Restriction of subjects to study
- Guilt or other emotional state of scientist

Science is (like) art!

*repeat: “Anyone who thinks that science is to make the world a better place is utterly mistaken”

- Albert Einstein

Science in 2000

Foundations of Science (2006) 11: 275–286
DOI 10.1007/s10699-004-5922-1

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SVEN OVE HANSSON

FALSIFICATIONISM FALSIFIED

ABSTRACT. A conceptual analysis of falsificationism is performed, in which the central falsificationist thesis is divided into several components. Furthermore, an empirical study of falsification in science is reported, based on the 70 scientific contributions that were published as articles in *Nature* in 2000. Only one of these articles conformed to the falsificationist recipe for successful science, namely the falsification of a hypothesis that is more accessible to falsification than to verification. It is argued that falsificationism relies on an incorrect view of the nature of scientific inquiry and that it is, therefore, not a tenable research methodology.

KEY WORDS: falsification, falsificationism, verification, hypothesis testing, explorative research, Karl Popper

Out of 70 papers of the journal *Nature* in 2000, only **one** (1) used the Scientific Method that includes a falsification of a hypothesis

Part III

Science applied to Global Warming

#1: Hypothesis of Global Warming



Humans burn fossil fuels



This produces CO₂ (carbon-dioxide)



CO₂ is a greenhouse gas



The temperature will rise



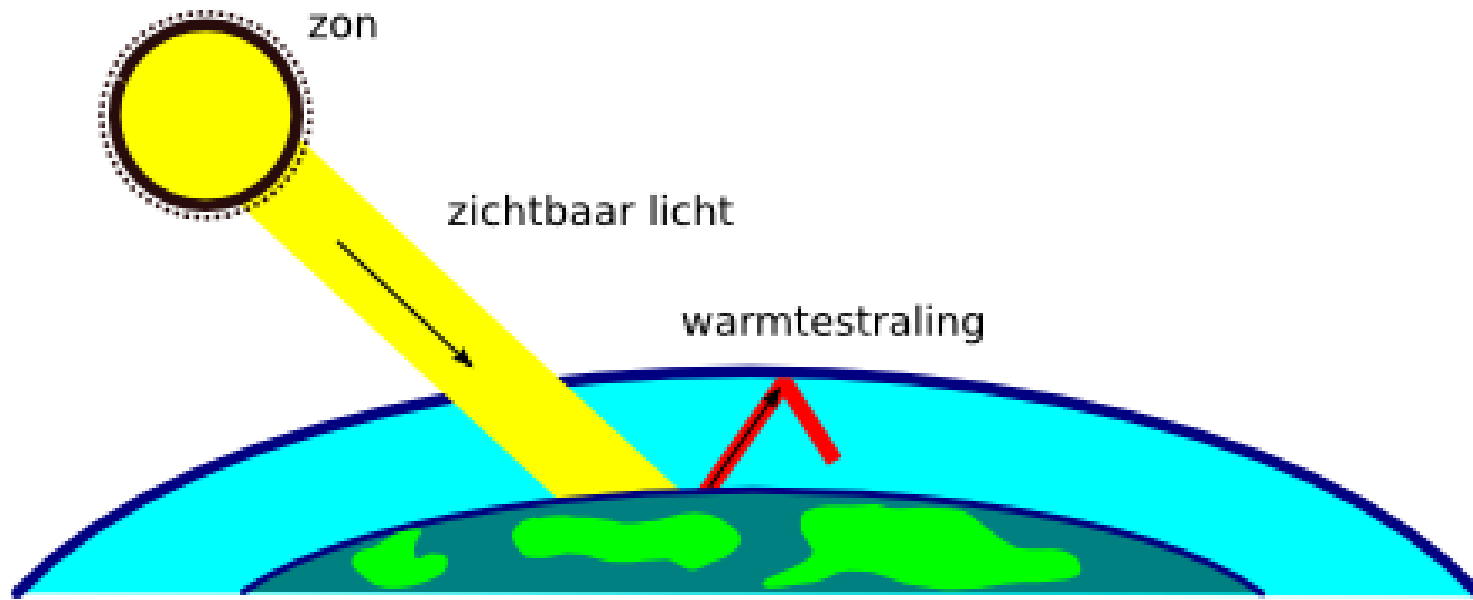
This will **destroy our planet**

(NB: Classical doomsday thinking!)



Sentimental images (as if they prove AGW)

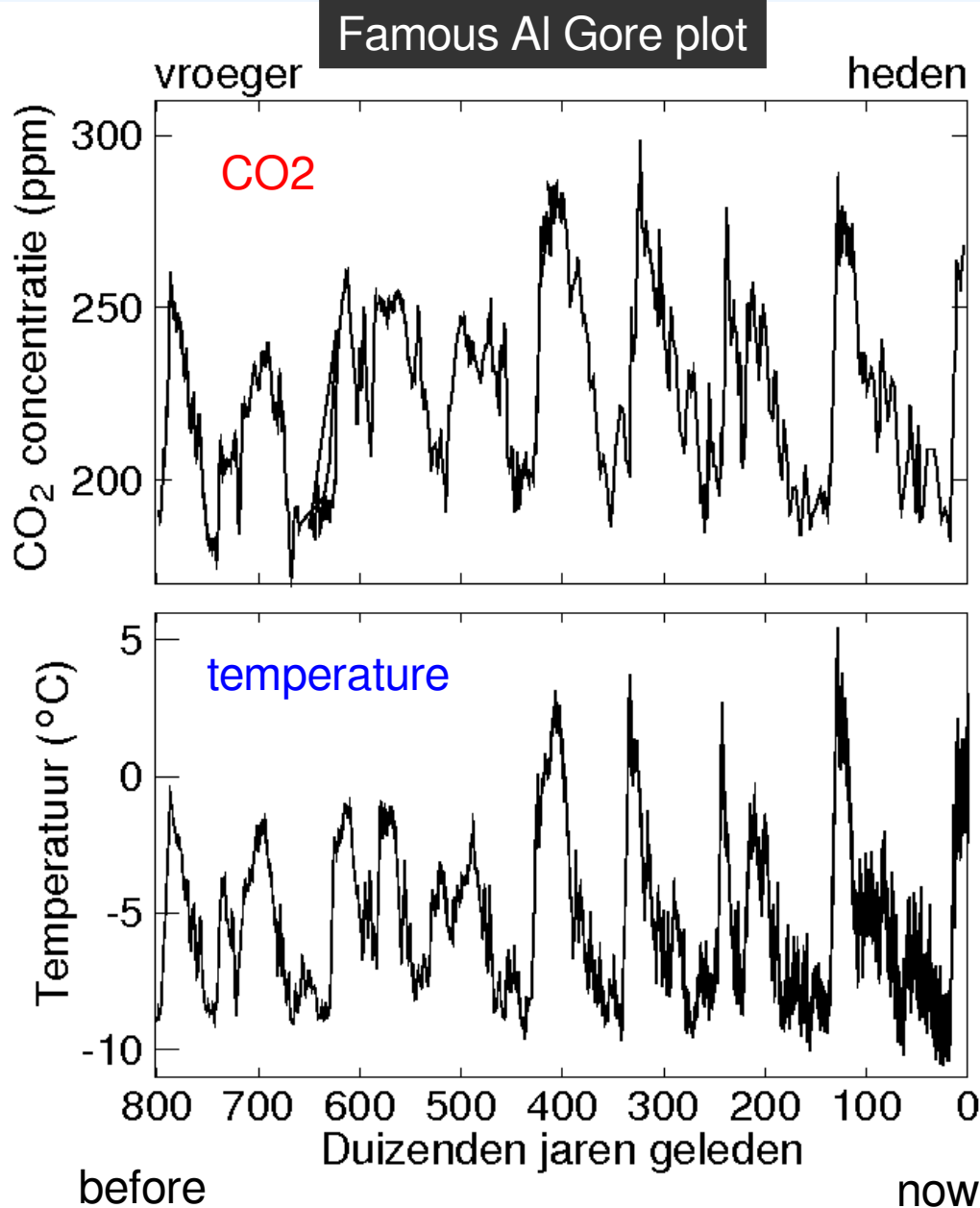
The greenhouse effect



The greenhouse effect: Short wavelength solar radiation reaches Earth. Long-wavelength thermal radiation from the Earth cannot escape but is absorbed by the atmosphere. CO₂ is a strong heat absorber

The idea of the greenhouse effect of CO₂ does not come from Al Gore or the IPCC, but from Arrhenius (**XIX century**). **It was many times discussed but never considered relevant until Roger Revelle (mentor of Al Gore)**

Al Gore plot



The biggest proof of AGW comes from statistics

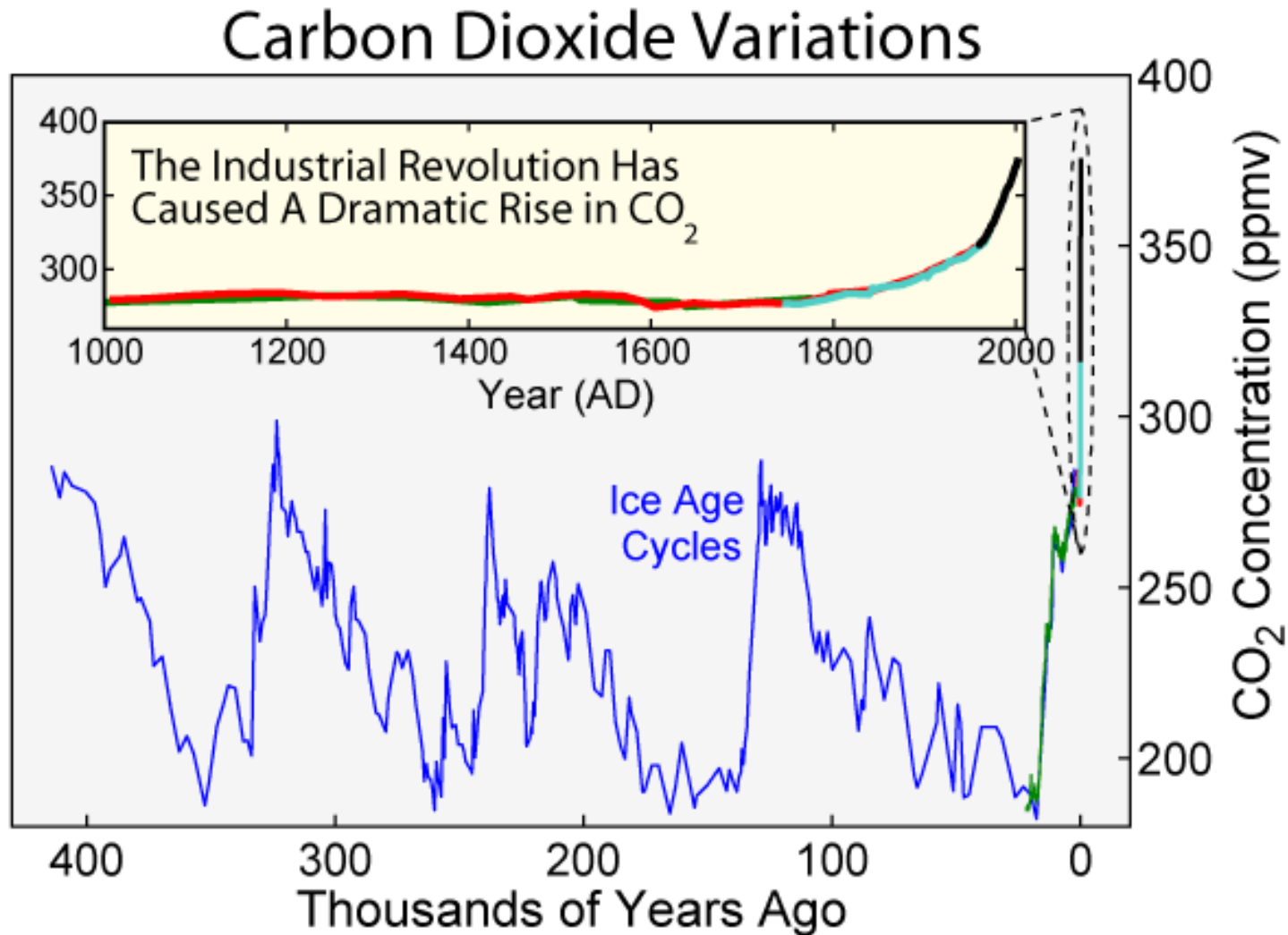
There is a correlation between T and CO_2 in history

Very convincing

Use Scientific Method!

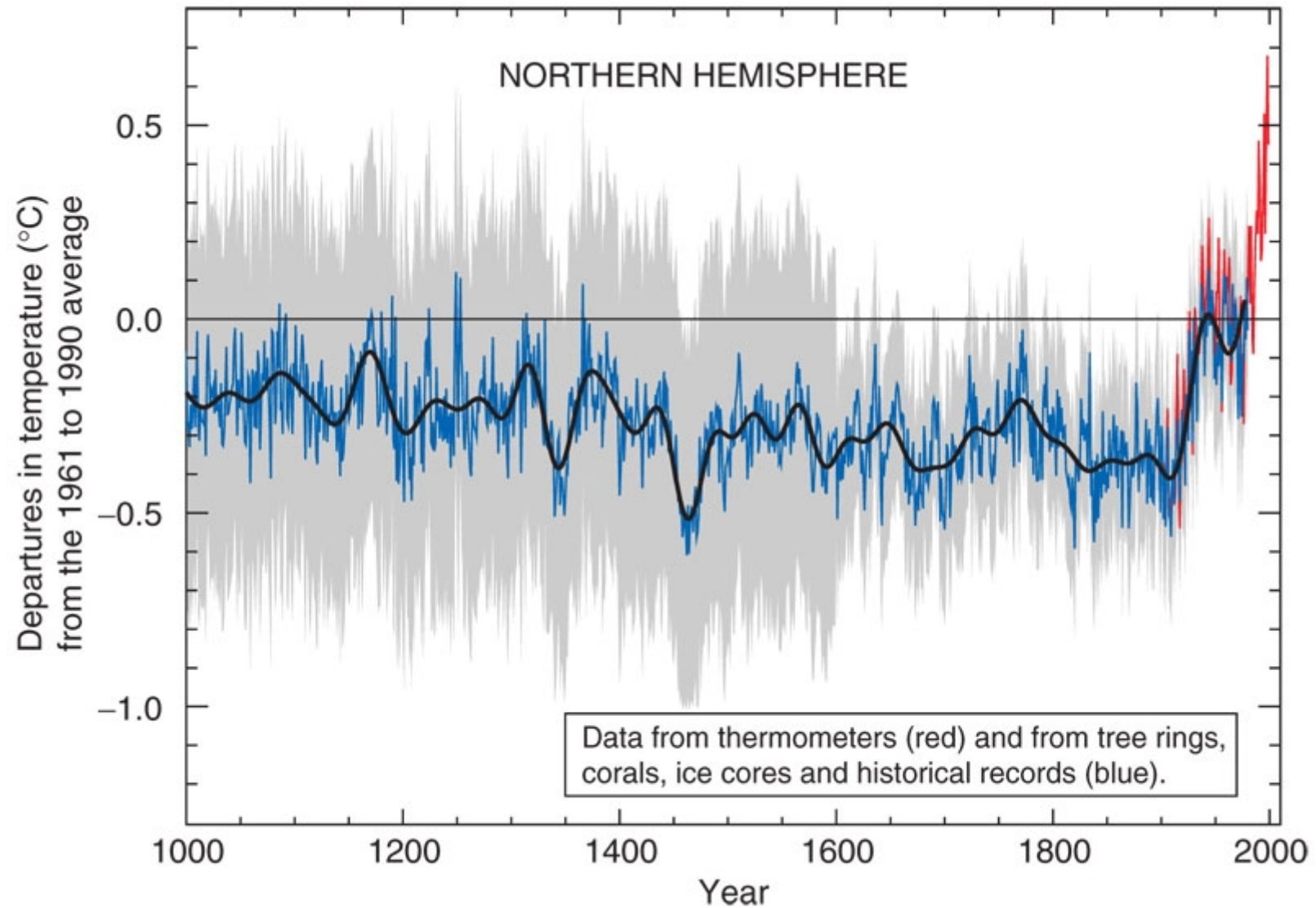
(Al Gore has a Bachelor in Arts; I am sure you can do better than he did!)

CO2 history



source: Wikipedia Atmospheric CO2

Hockey Stick



Global Warming : Observation, induction reduction and induction

- CO2 and temperature are correlated
- CO2 is rising rapidly (due to humans; not shown)
- Temperature is rising rapidly

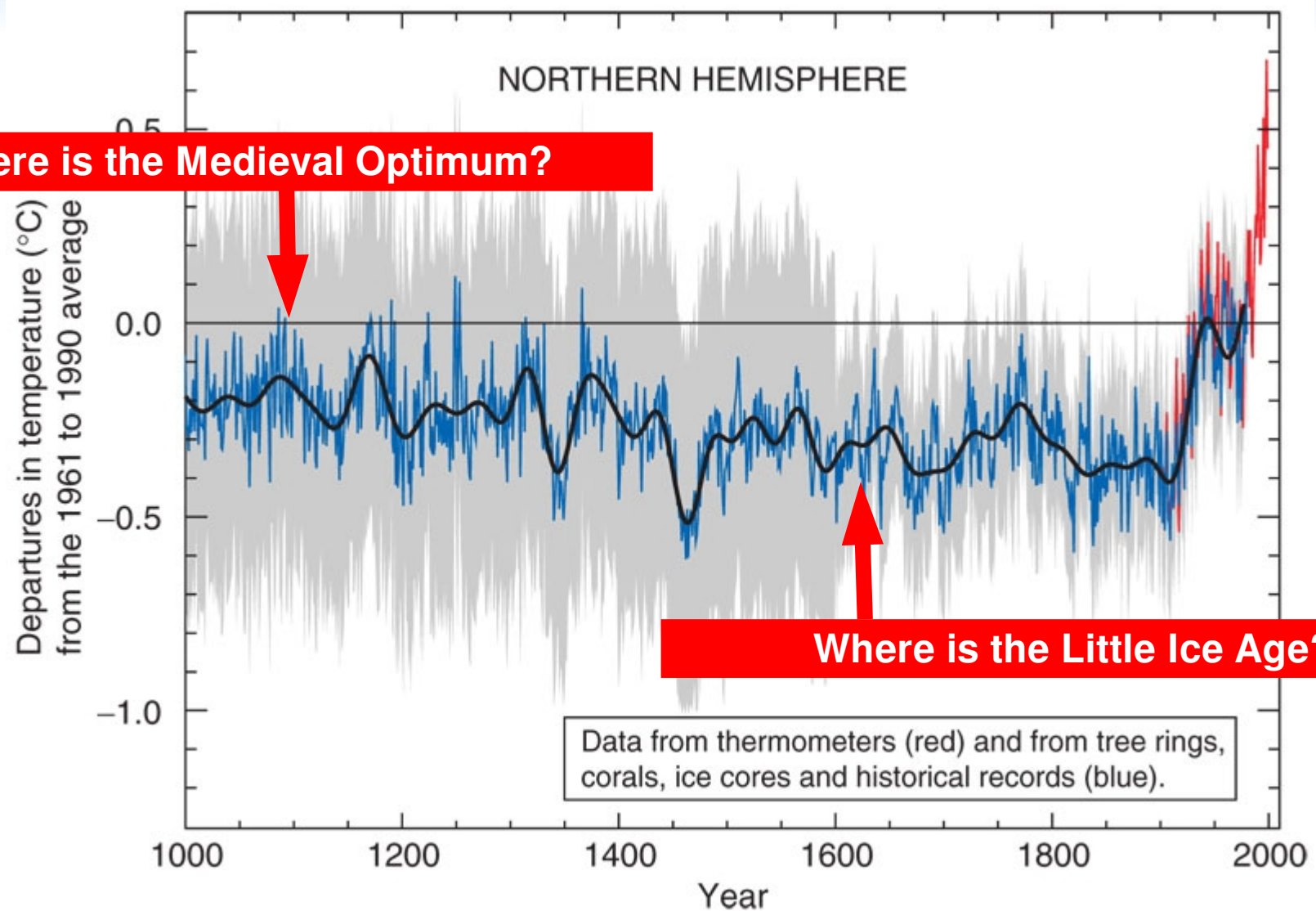
Who needs more proof!!!

Science and AGW

Let's apply the (rest of) Scientific Method

(... and don't worry being called Antichrists)

Hockey Stick? Schmockey Schtick!



Medieval Optimum: Very warm. Vikings landed in Grønland (green land!)

Little Ice Age: Very cold. The pest killed a third of the population in Europe.

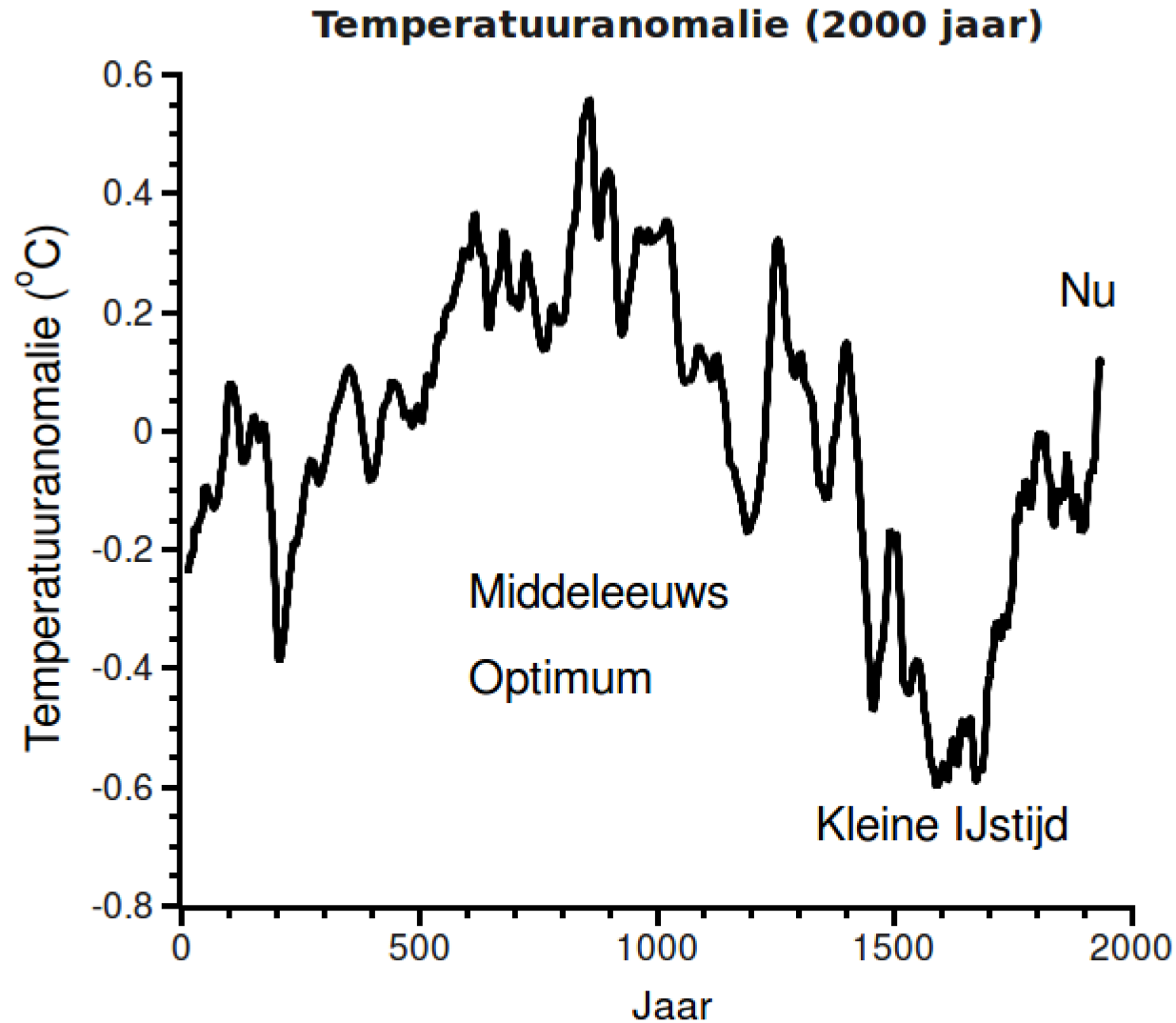
Witch-hunting (1480-1750) because of hallucinating fungus growing on plants

Little Ice Age in art



Little Ice Age: Hendrick Avercamp (1585 – 1634)

Real temperature history

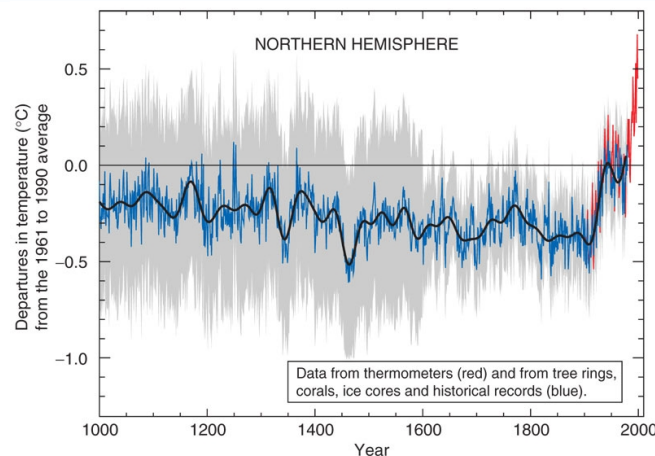


Loehle e McCulloch. All 'proxies'

1) It has been warmer before

2) We are coming out of a cold spell. A continuous rising of temperature

Hockey Stick falsified



- Steve McIntyre asks Thomas Mann for data and method
- Mann refuses (**Violating Rule #5 of science: Replication**)
- McIntyre puts university of Mann in court and wins
- McIntyre shows that **any data plugged into method of Mann results in a Hockey Stick**
- Hockey Stick (based on tree rings) has no statistical significance

Hockey Stick is a scientific error (if not fraud)

see: climateaudit.org

ClimateGate scandal



In fact, scientists show they work towards acquiring convincing data to **support** their thesis, not trying to find anything against it.

Violating Rule #2, falsification

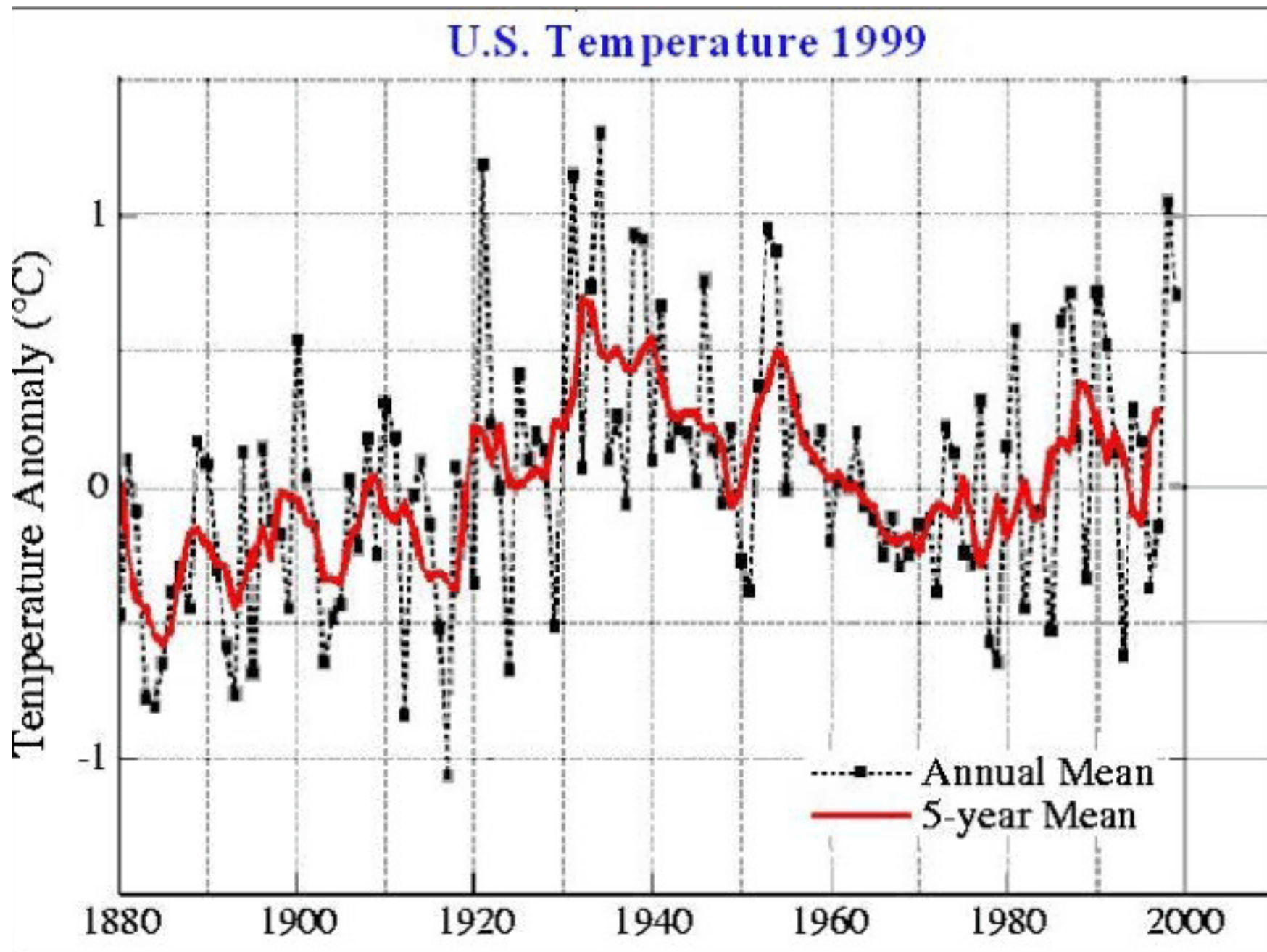
Kevin Trenberth (one of the biggest players in AGW):
"The fact is that we can't account for the lack of warming at the moment and it is a travesty that we can't."

Reuters, 23 november 2009, Timothy Gardner

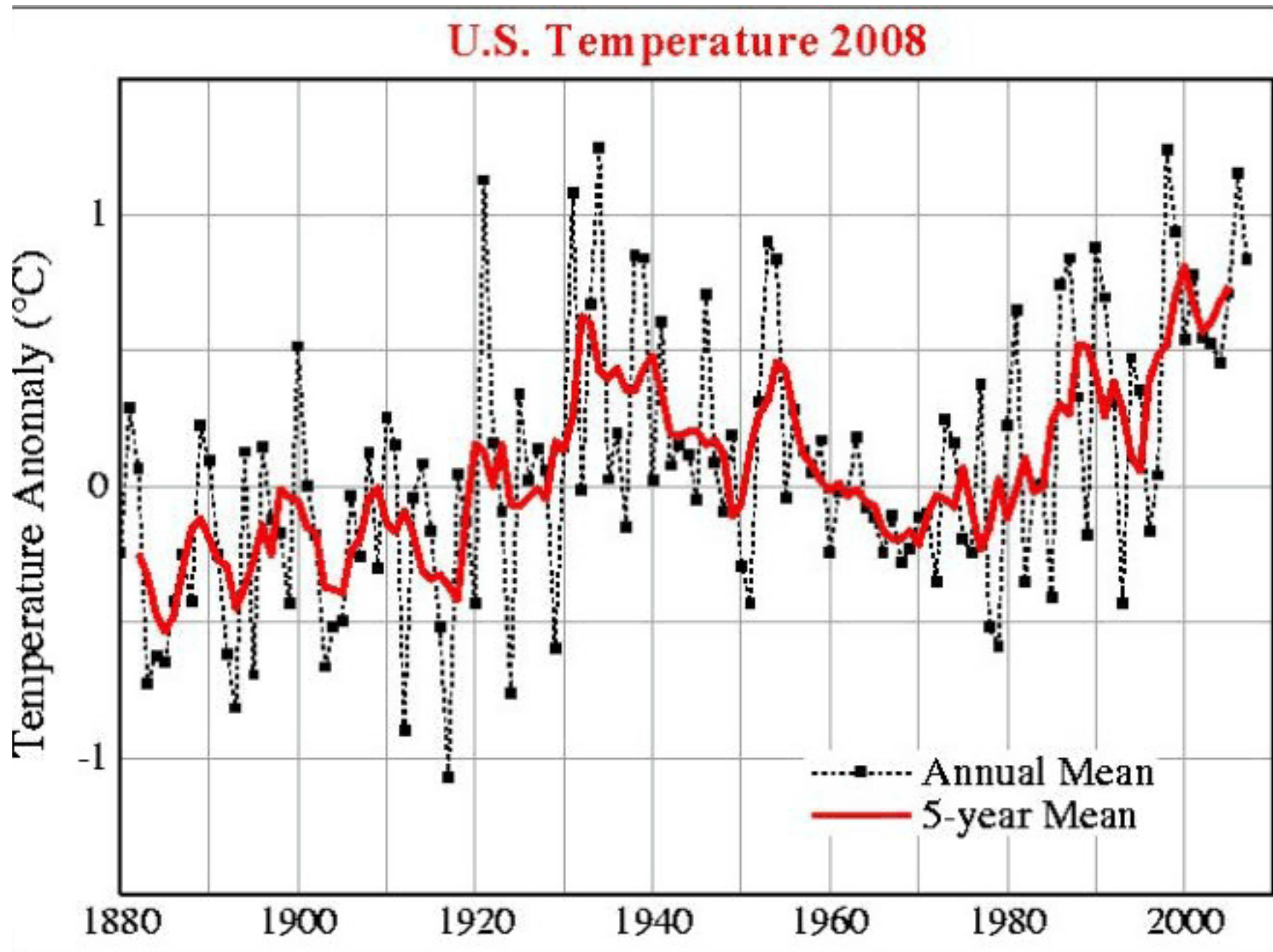
Politicians **ordered scientist to shut up and demand data that prove AGW**

Politicians have a need to make the world a better place (scientists do not!). **To make the world a better place, the nitpicking and bickering first has to stop!**

Modification of data



Modification of data



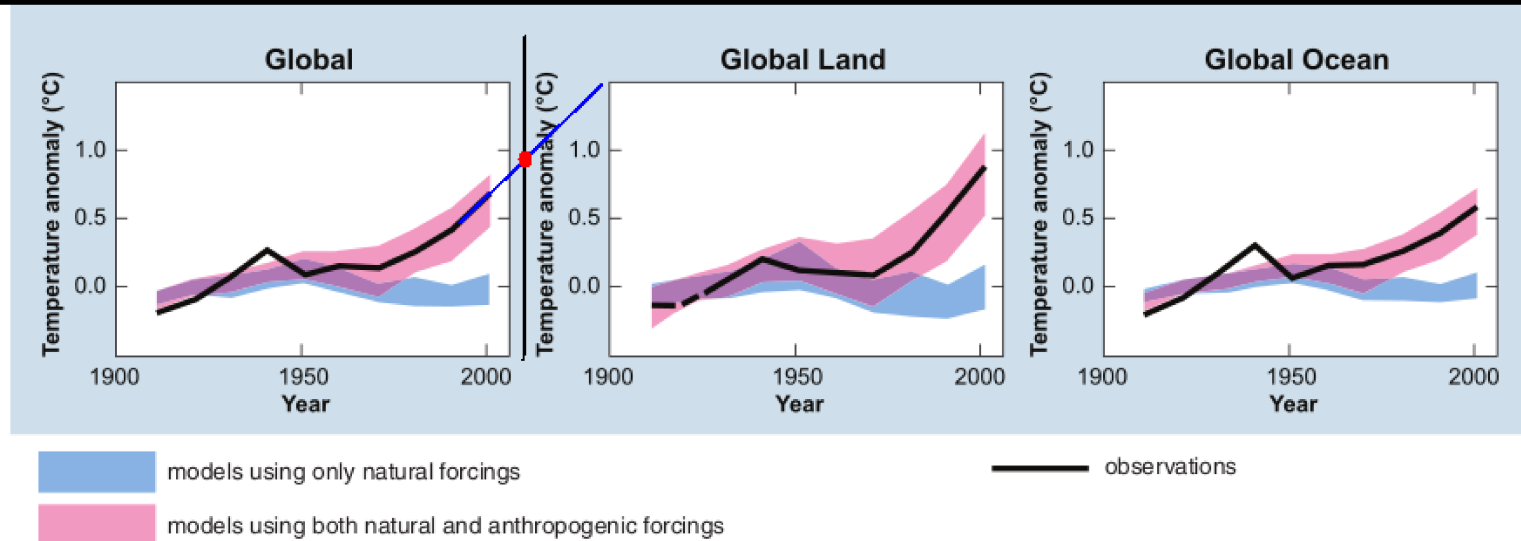
Rule #4. Prediction

Your model should predict something that did not happen yet

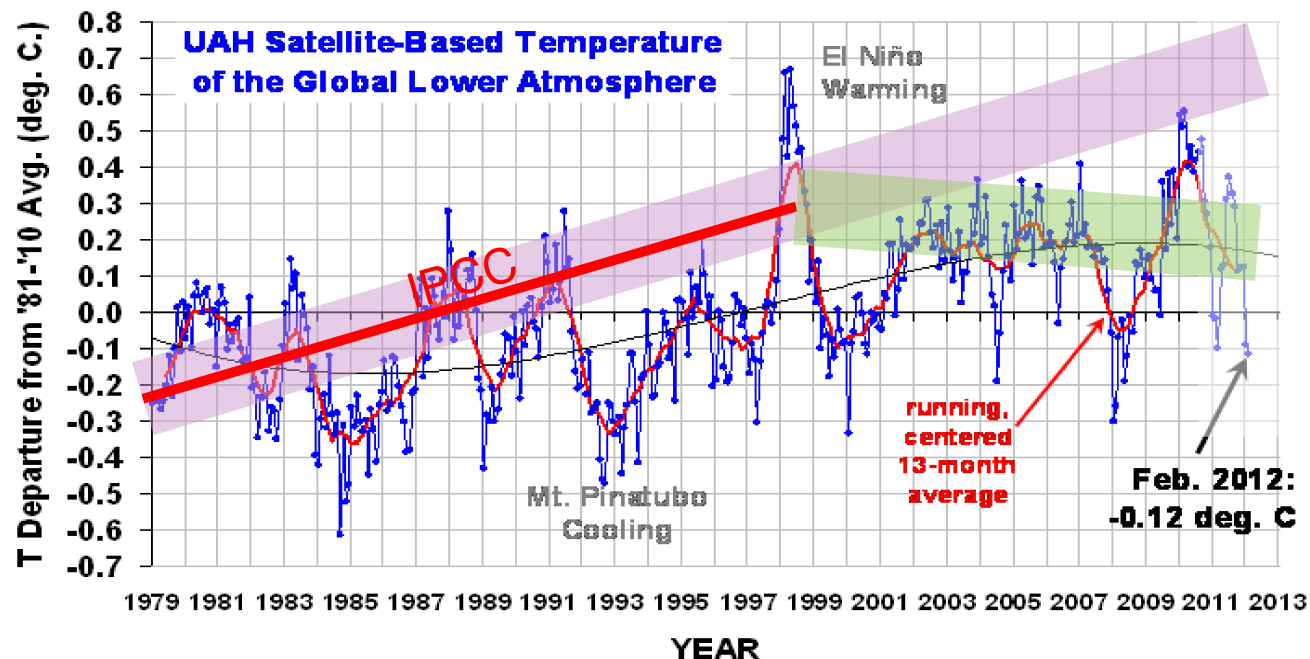
Well, the IPCC made very precise predictions!

4: Prediction and reality; AGW rejected!

IPCC Model
(2000):



Reality
(2012):



prediction

reality

sources of data: Top: IPCC report, The Scientific Basis. Bottom: wattsupwiththat.org.

Rule #3. Only model

Lack of warming (new data) is now used to adjust hypothesis

Global Warming now marketed as 'Climate Change'

Violation of Rule #2: need of a possibility to prove model wrong

(now any weather event can be used to 'prove' model!. Cold, warm, dry, wet, windy, “extremely average weather”, etc.)

Adjusted model is Bayesian (=constantly adjusted); **Cannot be rejected. Ever!** By definition of Bayesian character.

Violation of Rule #3: Authors show that model is the *only* model

Every change to model consistent with earlier data shows it is unscientific

The melting of ice; Glaciers



Earth Lapse Rate:
 1°C for every 160 meters of height

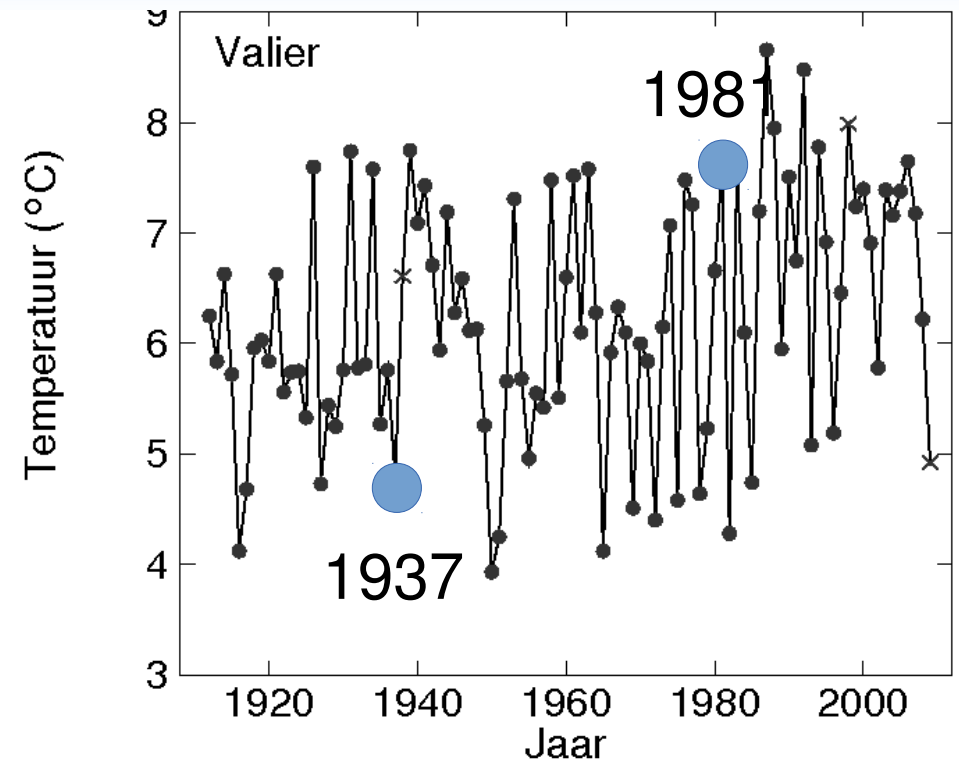
Visible in the image: ca. 500 meters between 1850 and 1981
→ ca. 3°C

The famous glacier that is often used to show disappearance of ice ...

The melting of ice; Glaciers



The famous glacier that is often used to show disappearance of ice ...

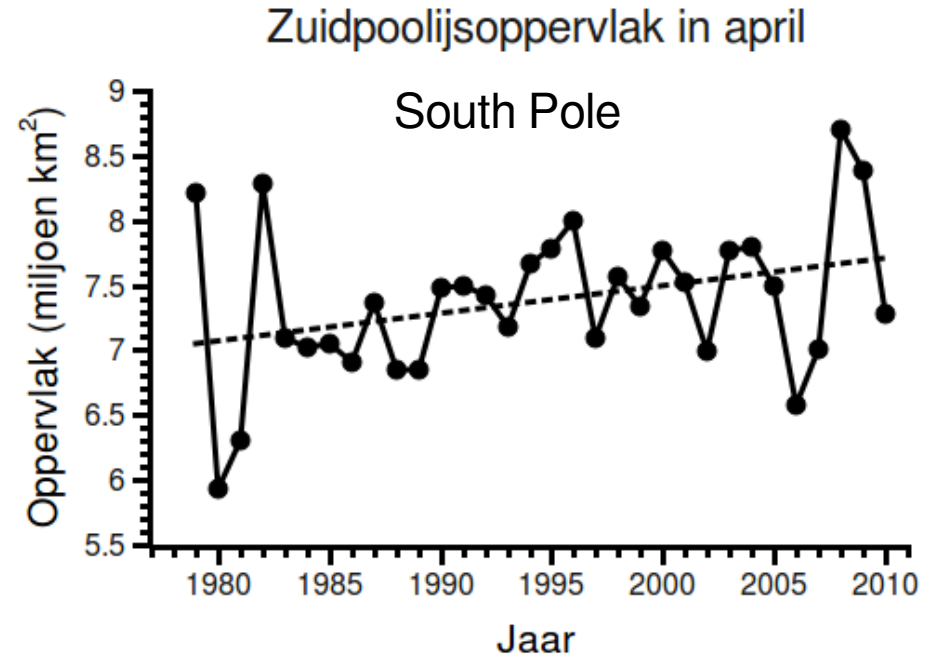
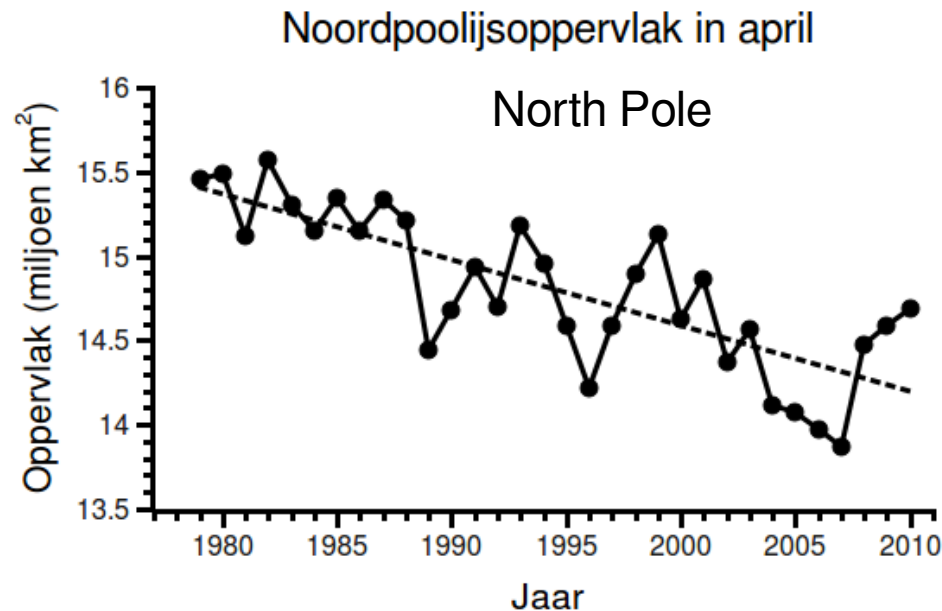


... and the evolution of temperature in a close-by meteo station

Where are the 3 degrees?

But you can easily **chose** years with more or less ice. This is called **data selection**

The melting of ice; Polar ice



The sum of poles: ice is increasing. How is that possible? How can it be that the level of the sea is increasing?

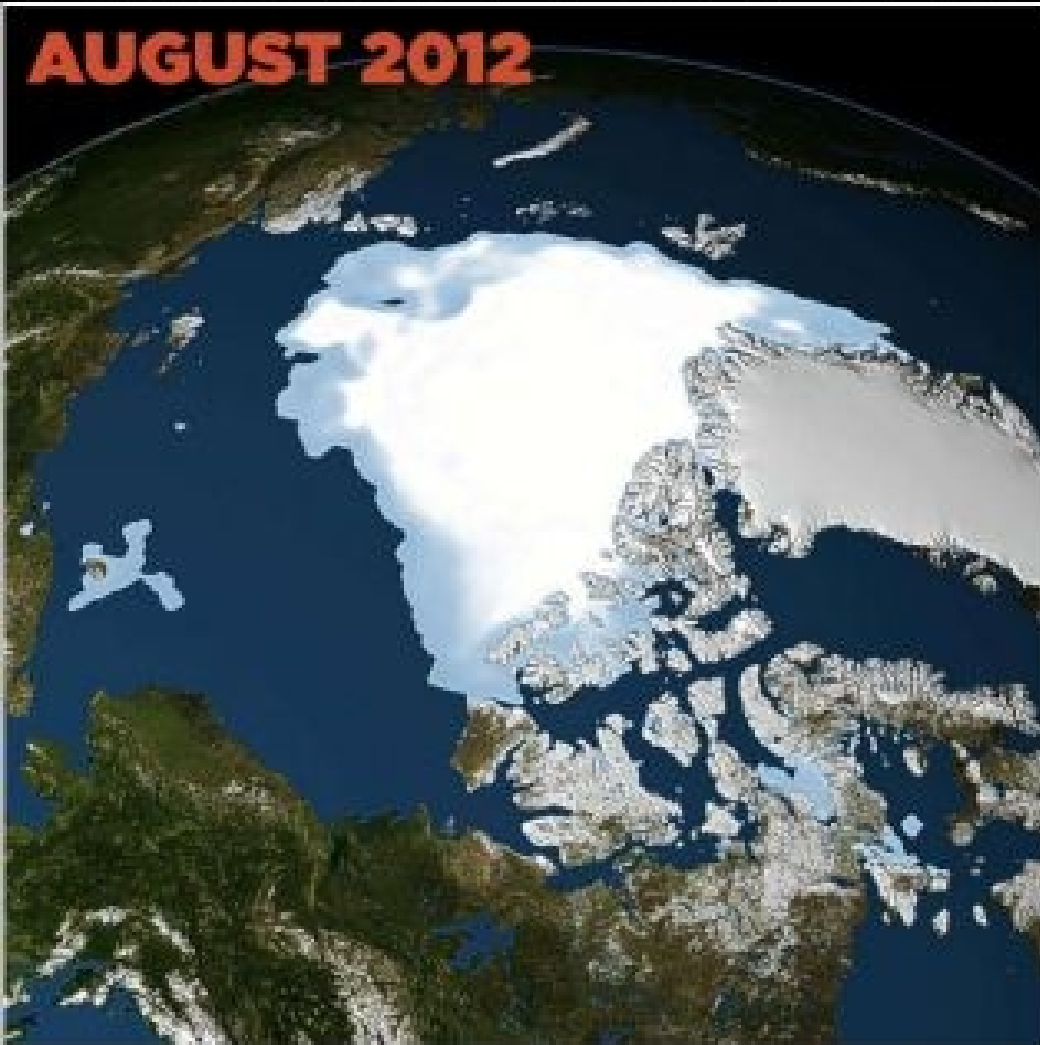
Why the news always talks about North Pole (and that tiny peninsula of Antarctica pointing towards South America)?

Why South Pole data is no longer available to public (and NP data is)?

North Pole ice

“North Pole ice free in 2010” (New Scientist, 25 April 2008)

HOW ICE SHEET GREW 920,000 SQUARE MILES IN A YEAR



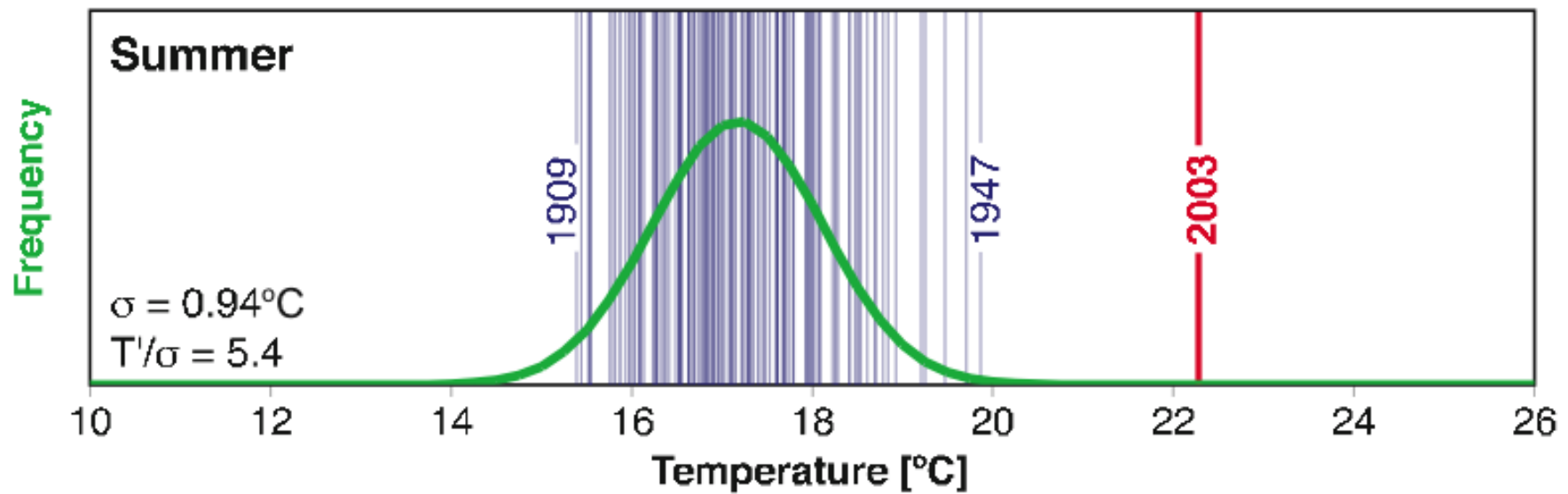
CONTRACTION: This Nasa satellite image shows the ice at the smallest extent on record, with much of the Arctic Ocean uncovered



RECOVERY: Contrary to predictions that the ice would have vanished by this summer, it has actually increased by 60 per cent from last year

Empirical forecasting = foolery

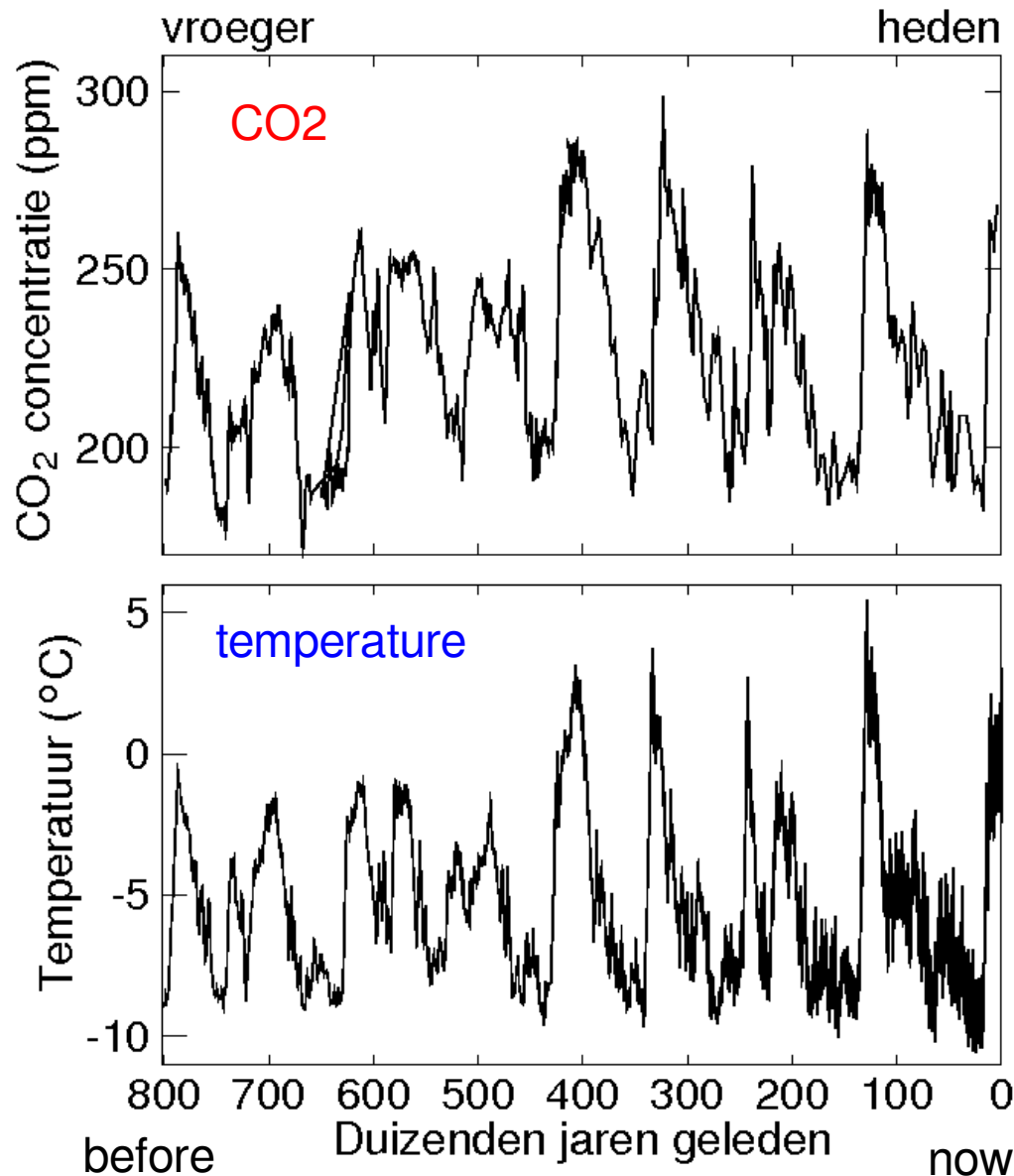
IPCC Frequently Asked Question 9.1: Can Individual Extreme Events be Explained by Greenhouse Warming?



2003 is so far outside normal distribution that it must be Global Warming

- 1) Assuming a normal distribution was (apparently) wrong! Outliers are normal in nature!
- 2) Nature does not have probability distributions, but 100% certainties (Only for us ignorant humans it looks like probabilities)
- 3) Also small deviations are climate changes! By the sheer definition of climate!

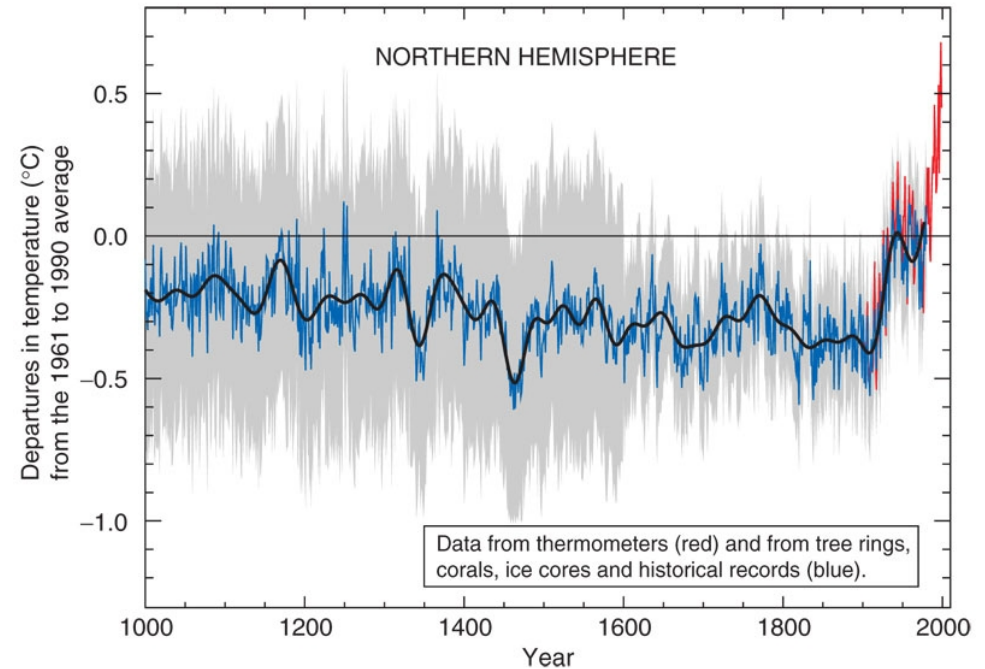
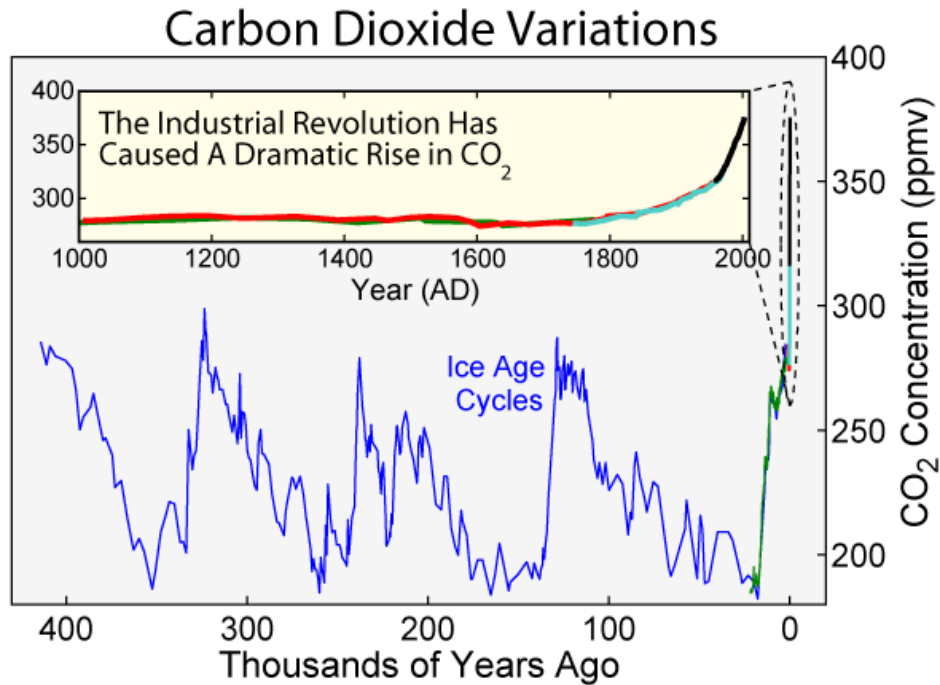
Going back to Gore



Correlation:

50 ppm = 10 °C

Difficult question

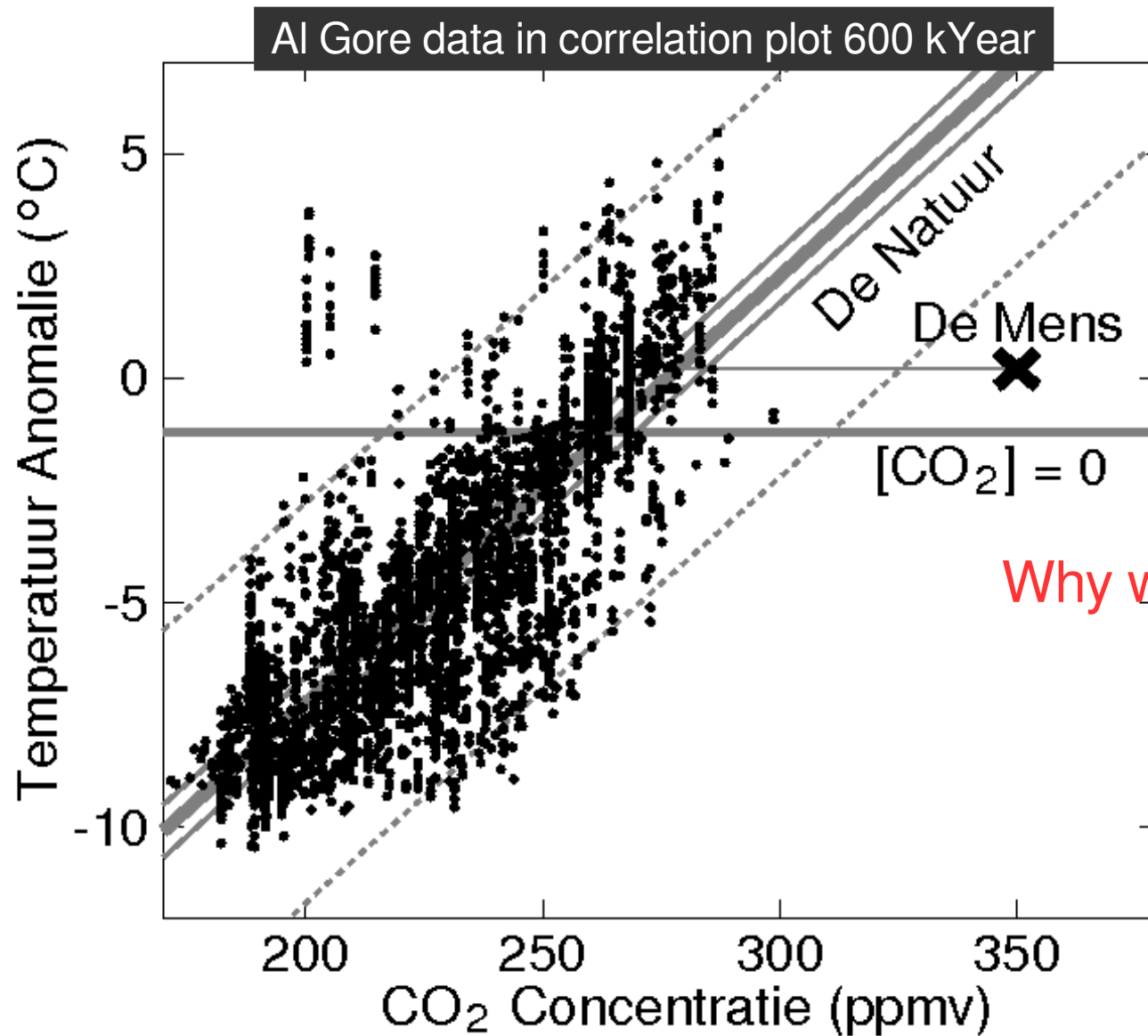


50 ppm = 10 °C → 150 ppm = **30 °C**

Why we heated up only **0.7 °C** ?!!

(There cannot be a delay!)

Correlation plot



?

2012

Why we did not heat up?

Atmospheric relaxation

Relaxation time is some weeks

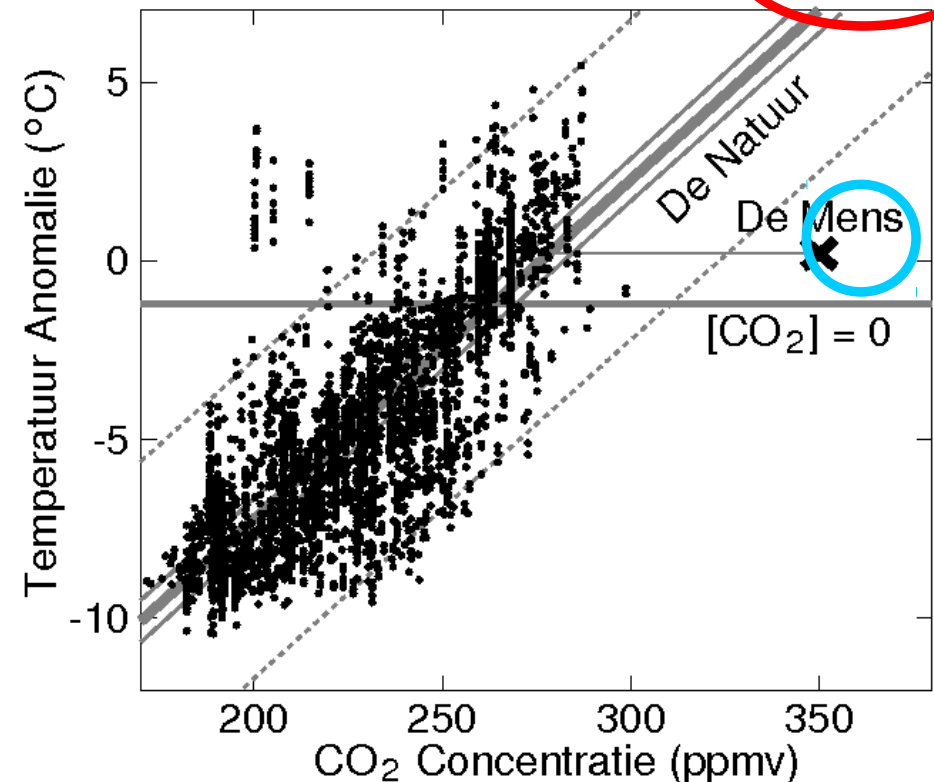
- At night the temperature drops some 5 degrees in 8 hours.
- The final temperature would be close to 0 K

$$T = (300 \text{ K}) \exp(-t/\tau)$$

$$\tau = (8 \text{ hours}) / \ln(300/295) = 20 \text{ days!}$$

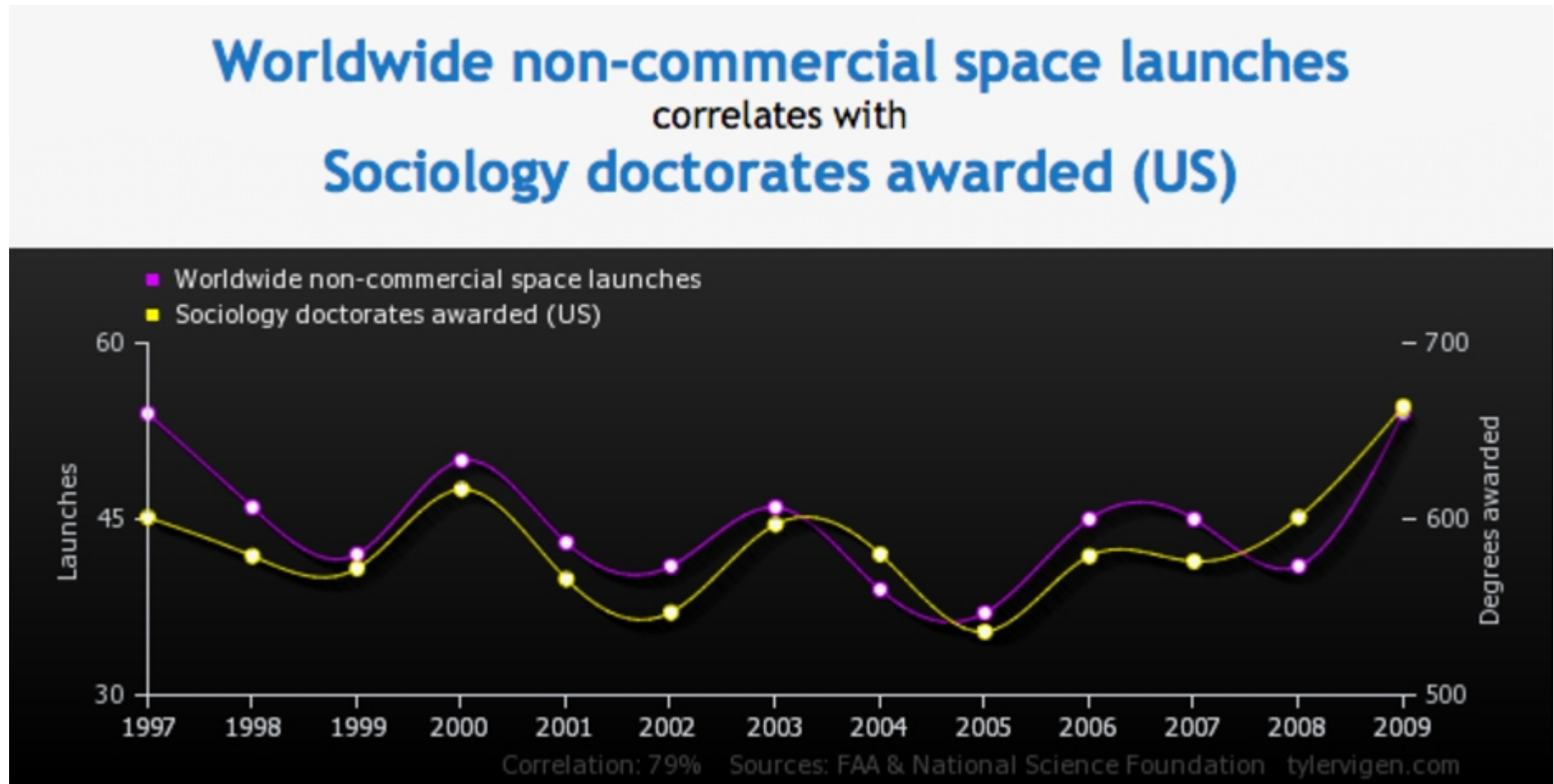
x two orders of magnitude
→ 2000 days (5 years)

We should be somewhere at ○
Instead we are here ○



Correlation does not imply causation!

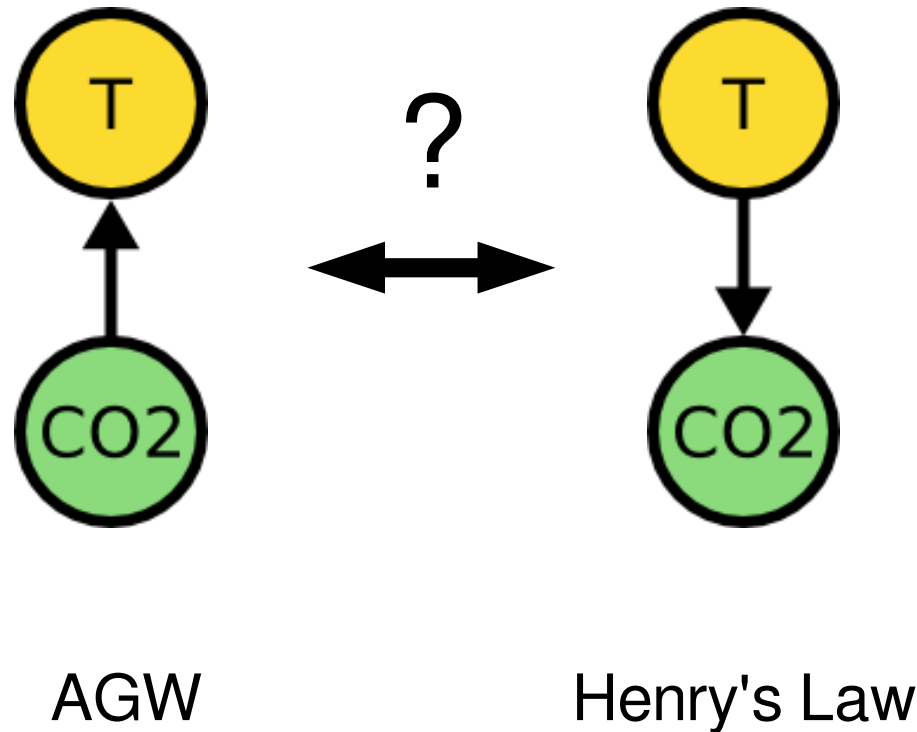
(Basic statistics textbook warning on page 1)



18 Hilarious Graphs Show Unexpected Correlations Between Seemingly Unrelated Statistics
- Megan McCormick

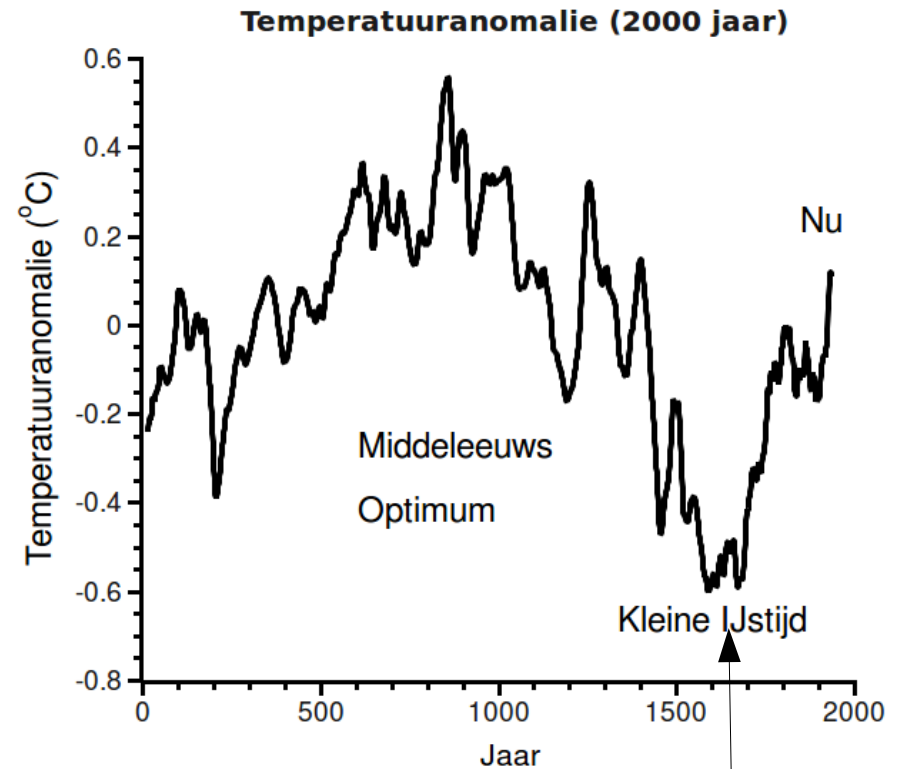
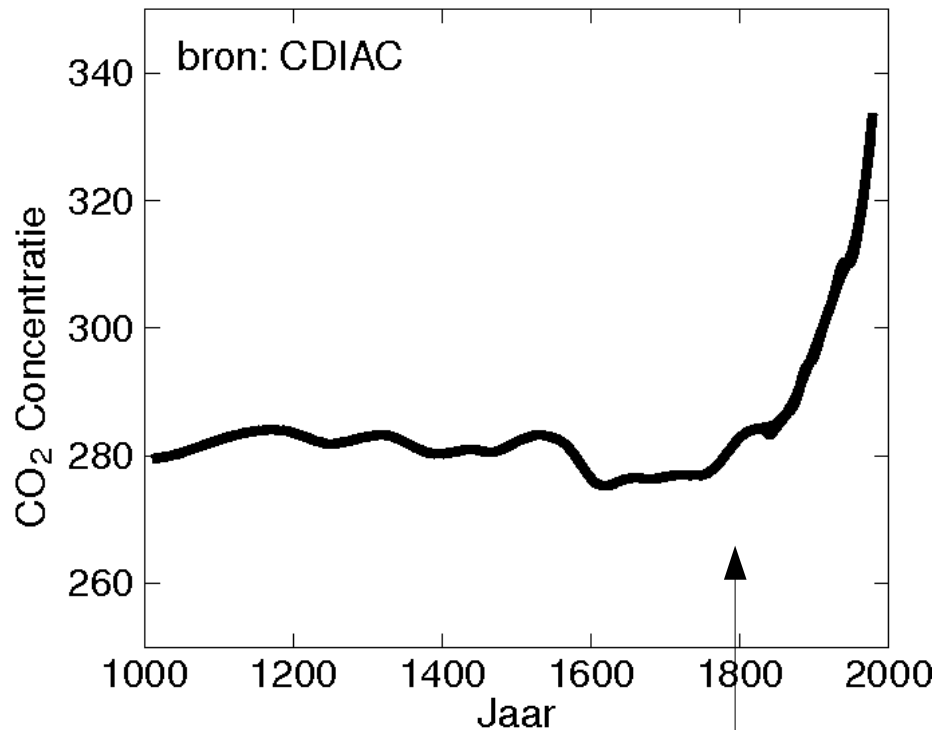
Cause and effect

“Correlation does not imply causation!!!”. Cause vs. effect



Violation Rule #3. Excluding alternative explanations
(they never even considered it)

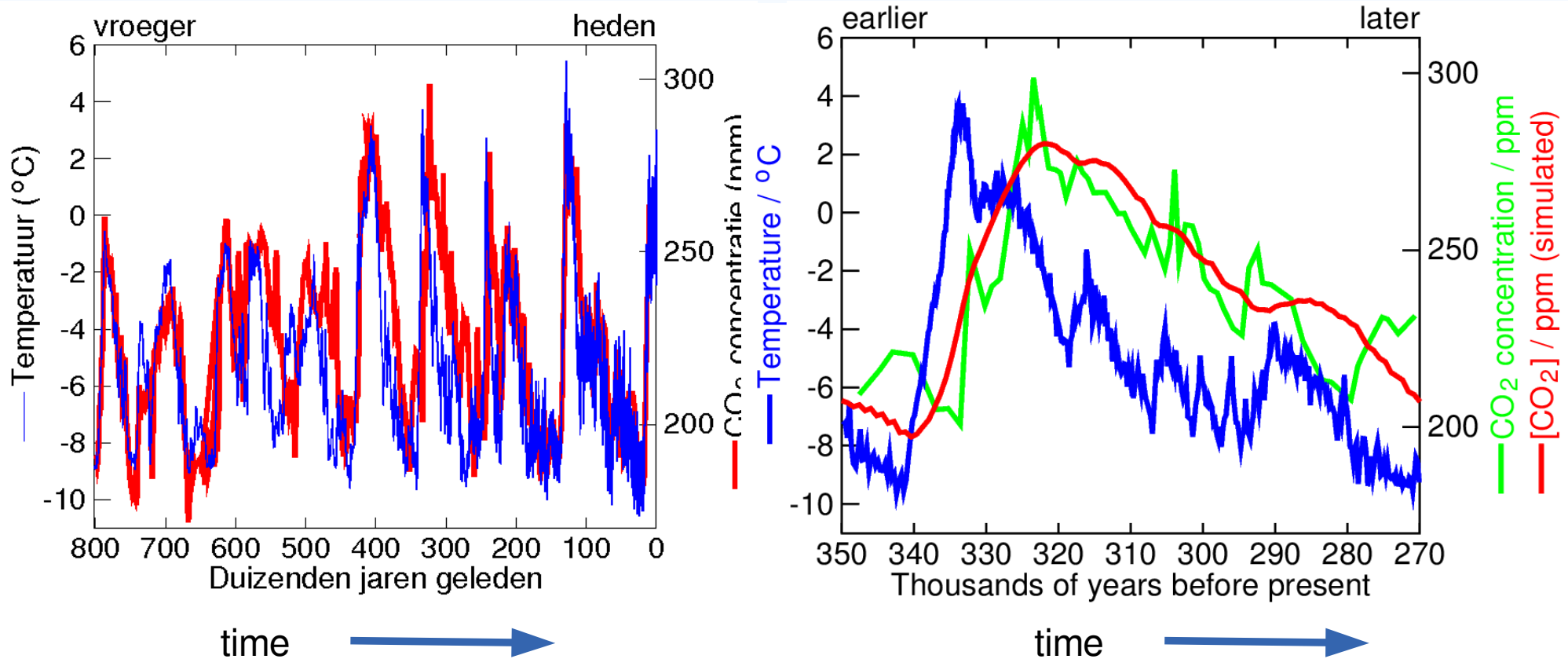
Cause and effect. Who came first?



The temperature began to rise in the year 1650

CO₂ began to rise around 1800 (1.5 centuries later!) **WTF?**
How does nature know CO₂ is going to rise?

Al Gore revisited



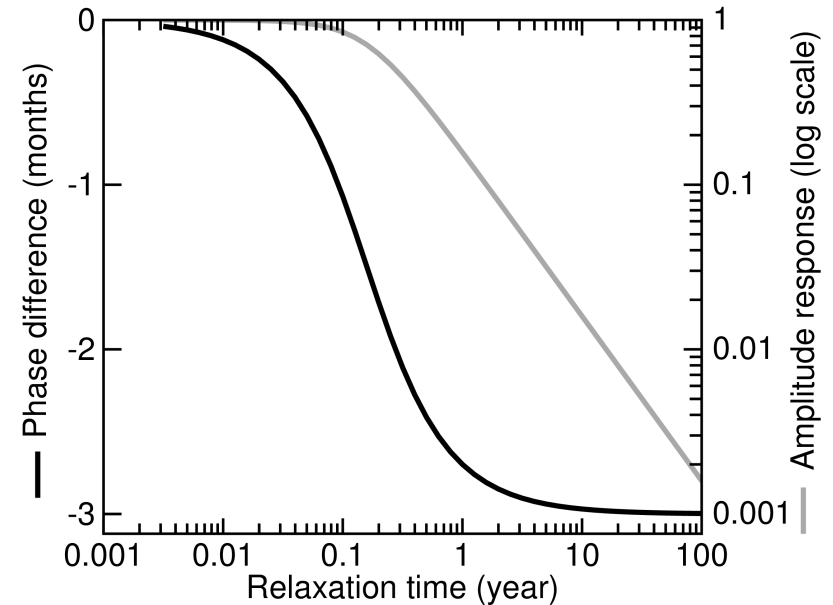
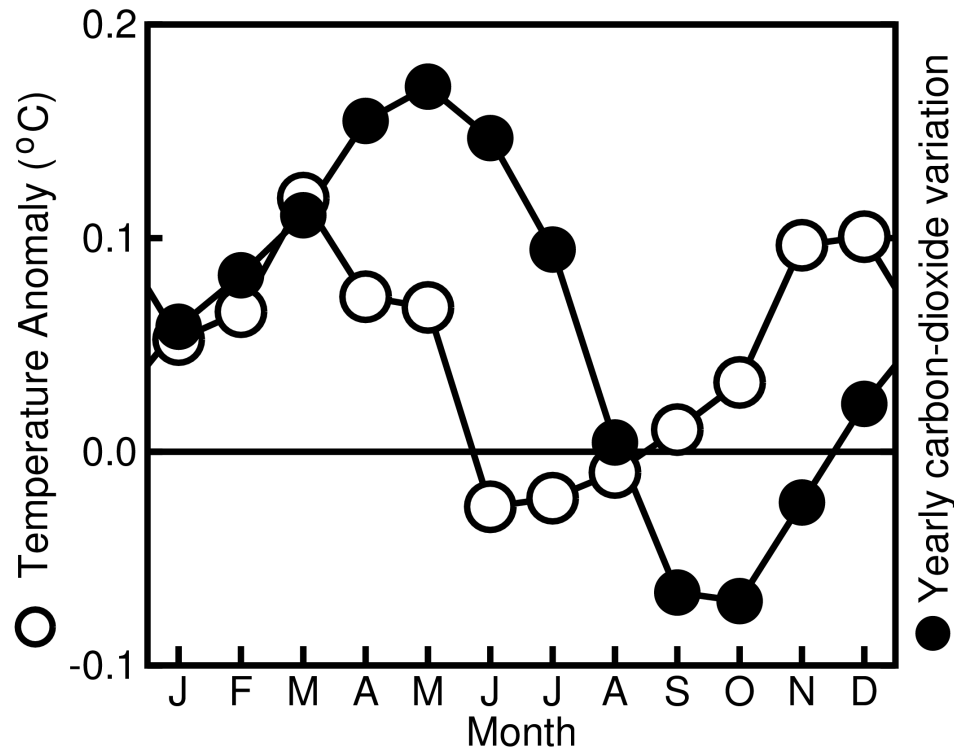
CO₂ lags behind the temperature, about 600-1500 years!

Indermühle et al.(*): 900 years

(this makes sense, actually. Henry's Law)

*: Indermühle, Geophys. Res. Lett. 27, 735 (2000).

Relaxation model

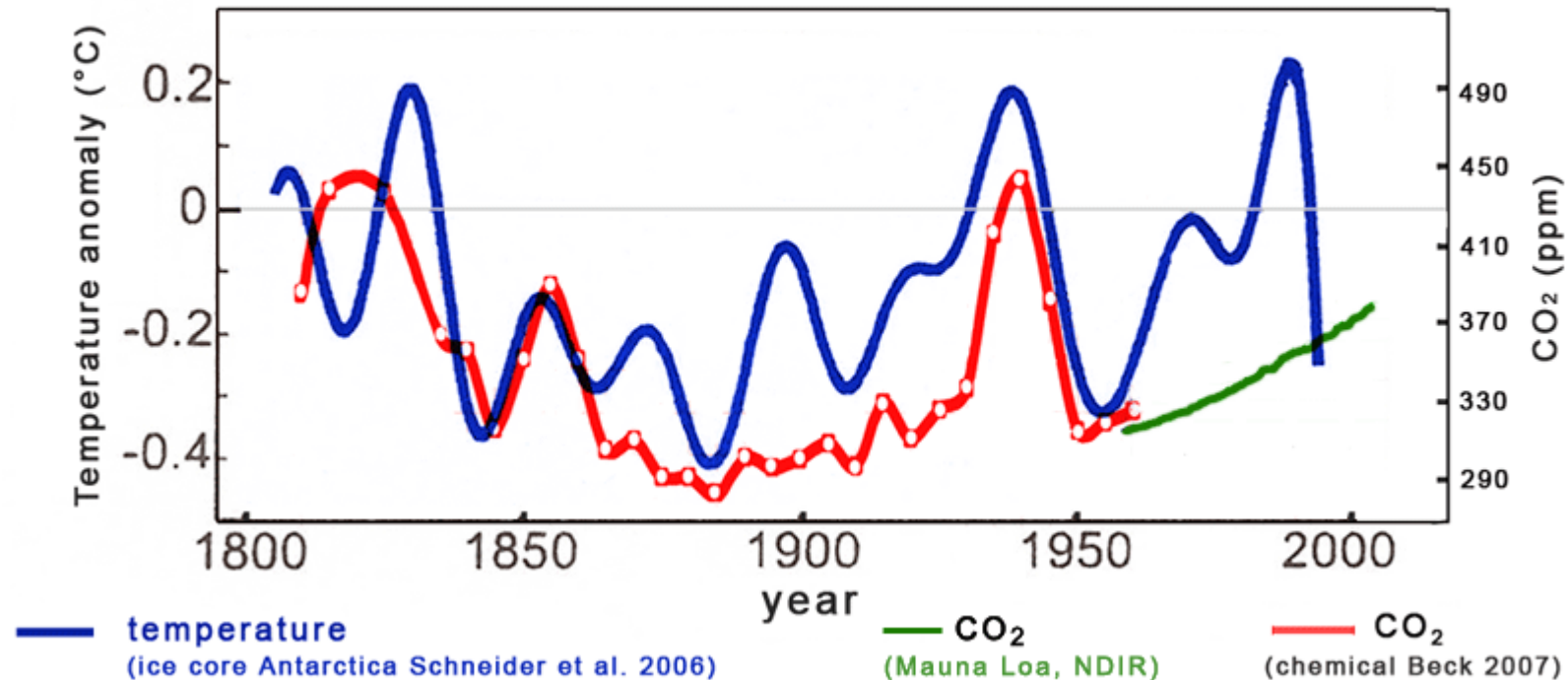


- CO₂ is effect of T
- $\tau \gg 1$ year

Stallinga & Khmelinskii, Int. Scholarly Res. Notices (2014)

Data from: Balling et al. Analysis of long-term European records: 1751-1995. Climate Res. 10: 193 (1998)

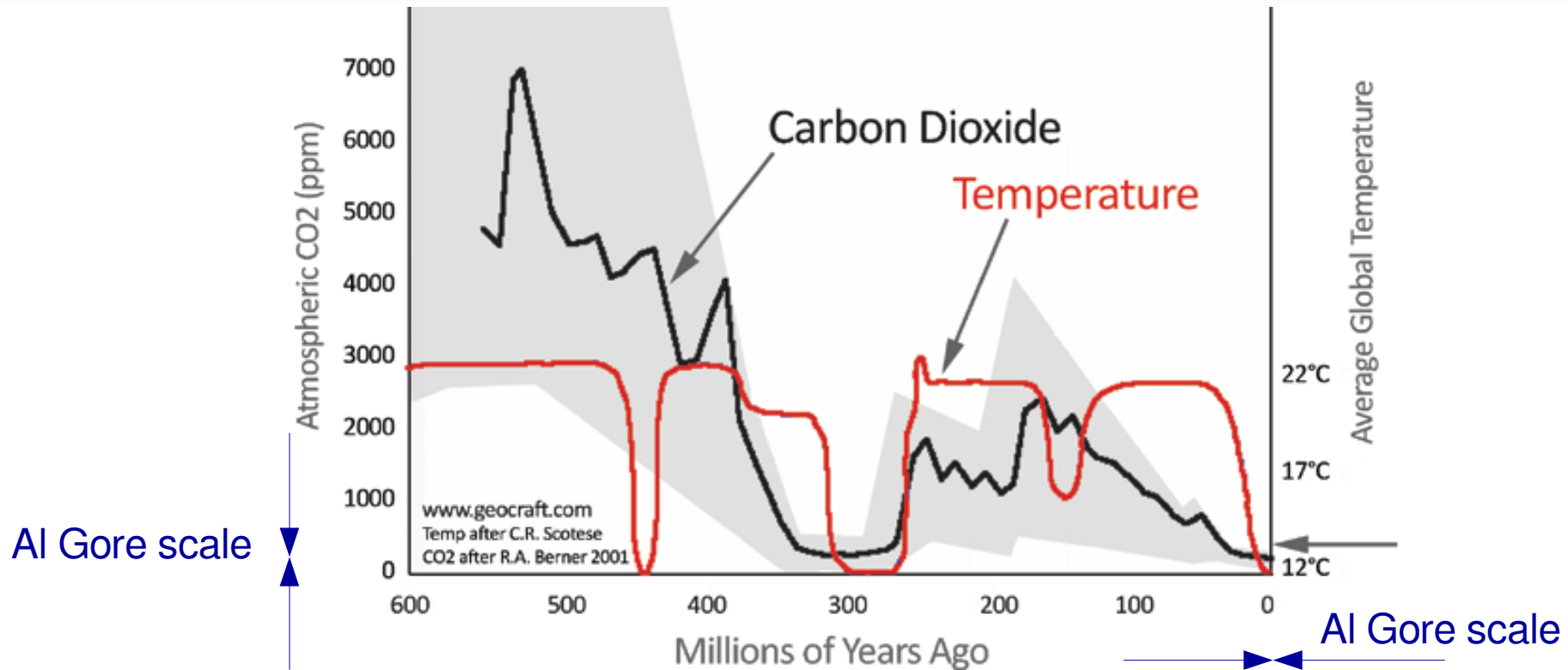
Contemporary [CO₂]



On short time scale there is no correlation between T and CO₂.
Note also that there has recently been more CO₂ in the atmosphere. Ex. 1940

Only recent data (green) are normally presented to you. Why? CO₂ was discovered in 1752 (!) by Joseph Black and since then CO₂ measurements were done

Long time CO2

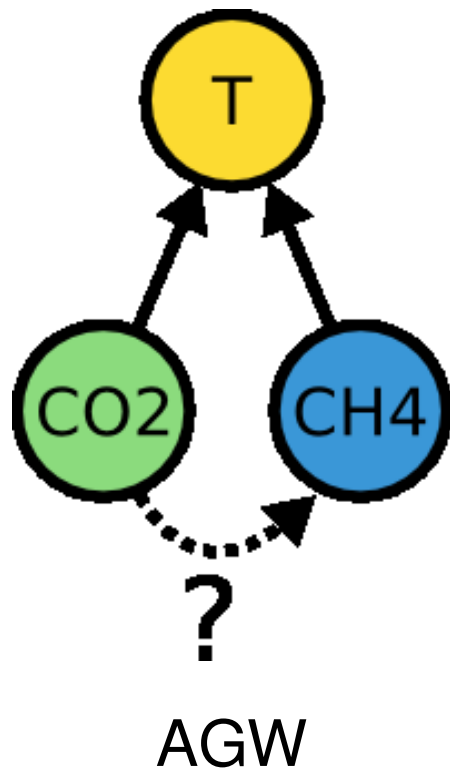


[CO₂] was **15 times higher** than today. (Plants have consumed it all and are now suffocating in their own toxic waste, oxygen)

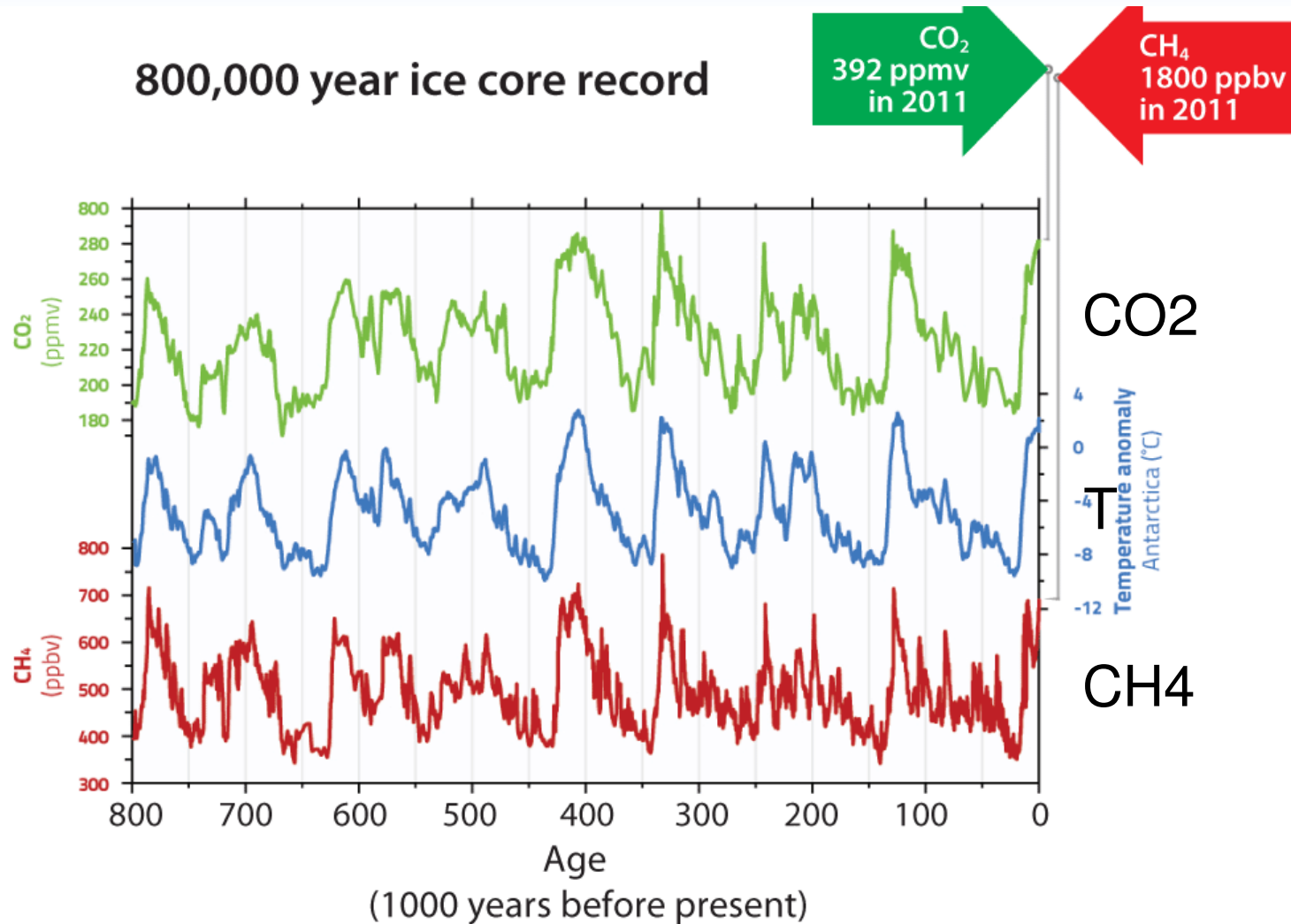
On long time scale, **CO₂ is not related to *T*** (those ca. 30 ppm that are modulated by *T* are irrelevant on this scale)

Note: Al Gore plot (600 kYear) is less than a pixel in this image

Methane: It starts smelling bad!

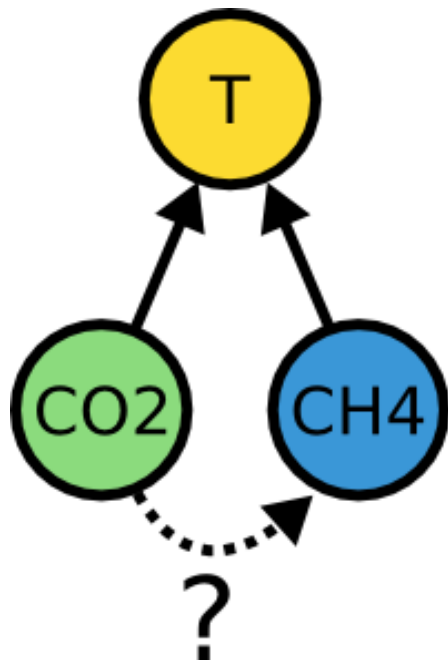


800,000 year ice core record



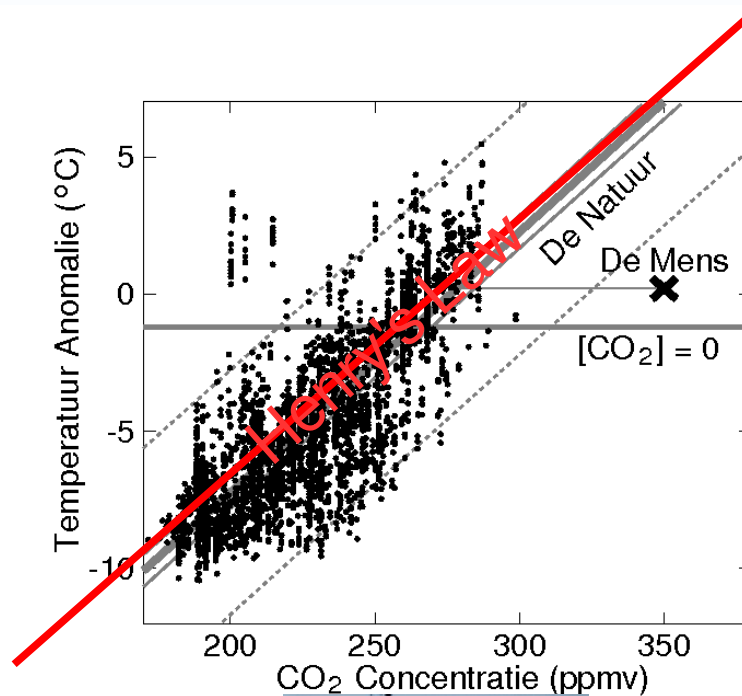
How did the 'information' pass from CO₂ to CH₄?!!

Cause and effect

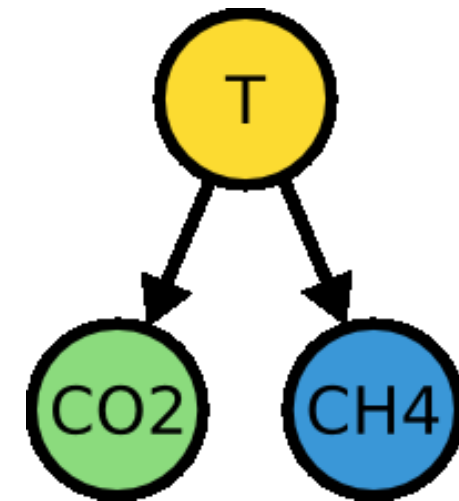


AGW (?)

Wrong



What does adding CO₂ above a glass of water do to its temperature?!



Henry's Law
(outgassing of oceans)
(time scale: 1 kyr!!)

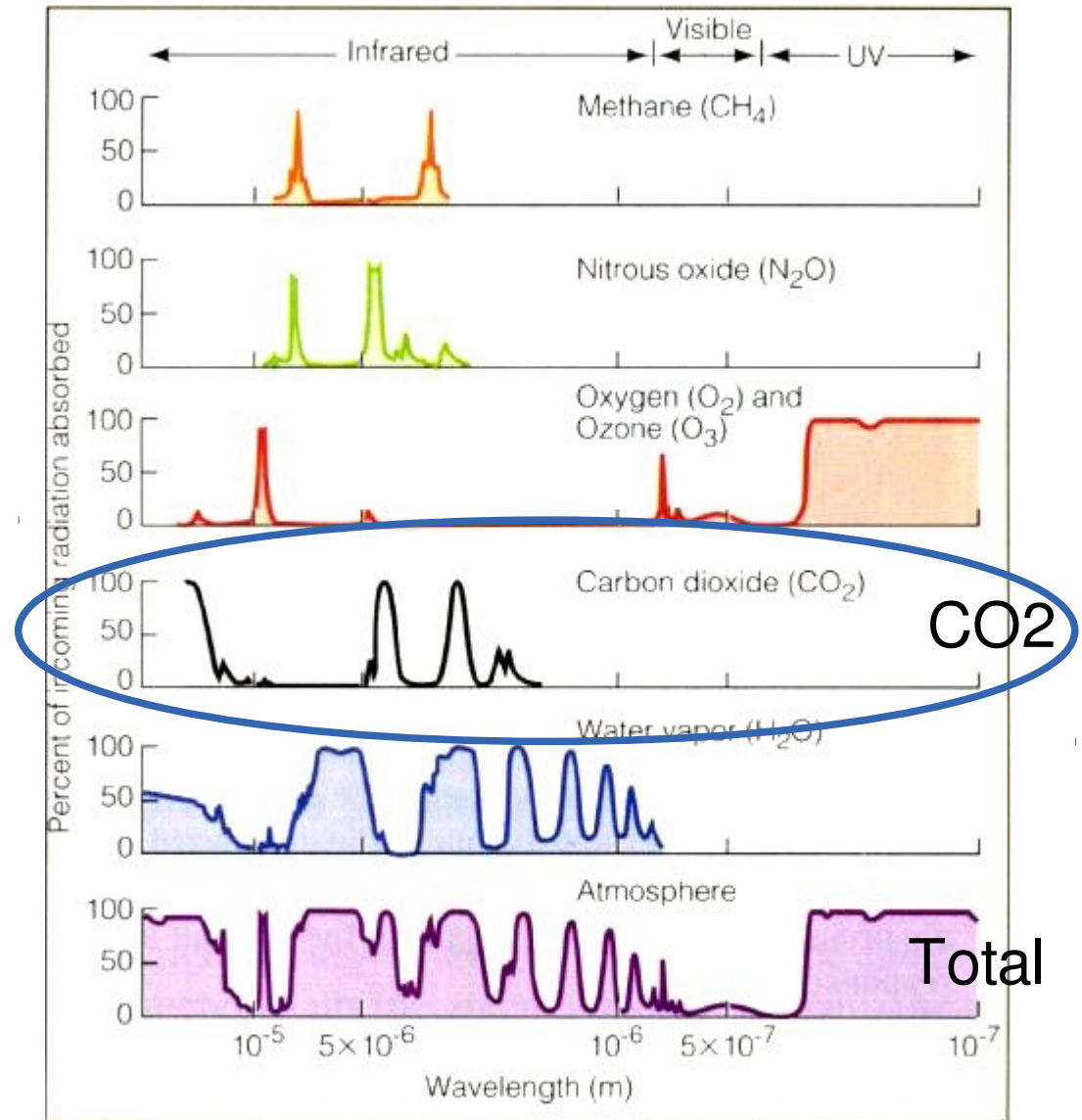
Correct

The CO2 radiation window

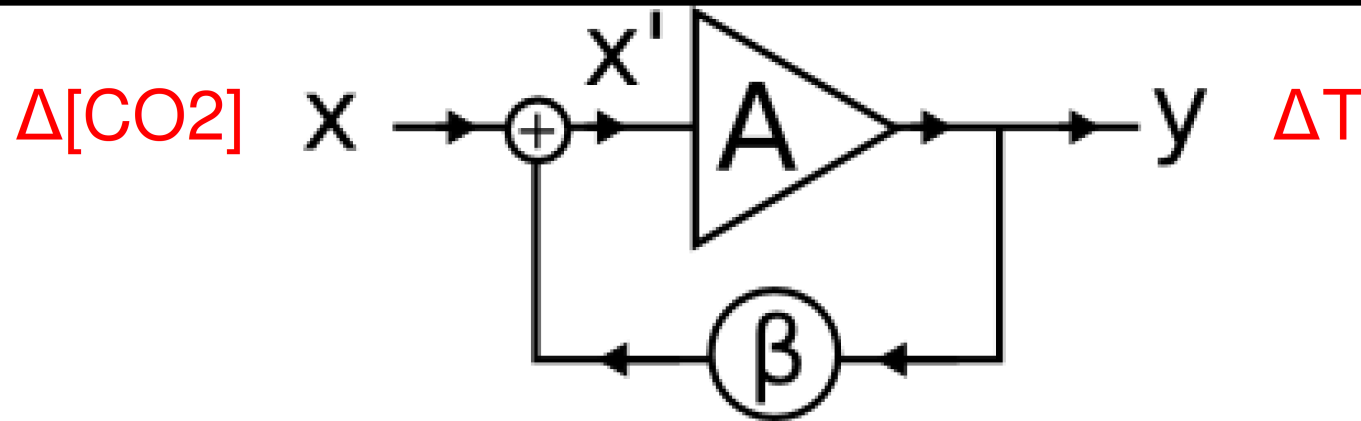
It is not expected the greenhouse effect is linear because it is governed by absorption (Beer-Lambert Law!)

The window of CO2 is already closed. Doubling [CO2] will have no effect

Like covering your window at home with two curtains instead of one. No effect!



Positive feedback; electronics 101



Open loop gain is of order $A = (0.05\text{ }^\circ\text{C})/(400\text{ ppm})$

The total gain **with feedback** is given by

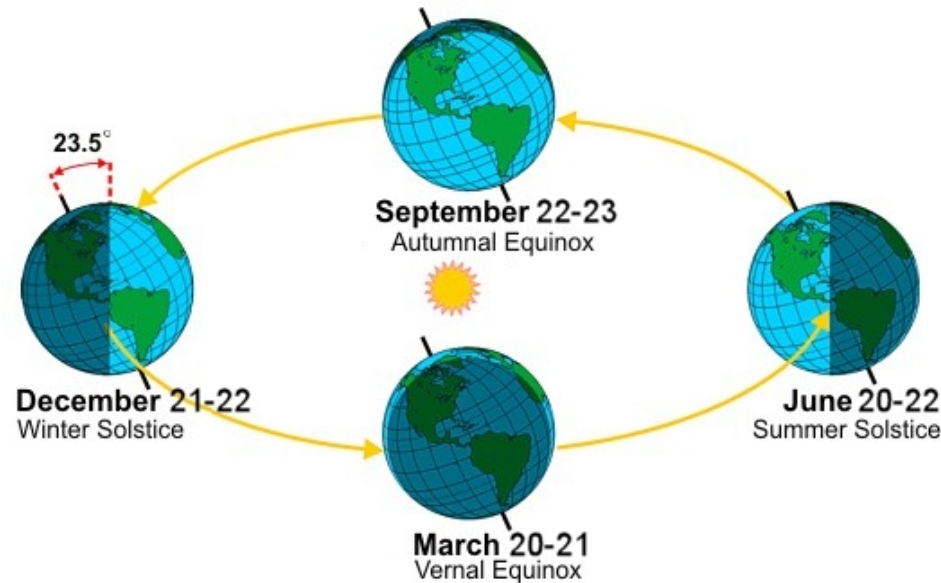
$$G = \frac{\Delta T}{\Delta[\text{CO}_2]} = \frac{A}{(1 - A\beta)}$$

With one additional parameter, β , **any desired temperature** rise can be simulated (the mother-of-all fudge factors!!!)

Step 2: Assuming all ΔT is caused by $[\text{CO}_2]$. Fit curve and extrapolate!

Negative feedback

Positive feedback is in principle unstable (imagine adding everyday half of your bank account)



The **weather is stable: everyday and ever year has temperature oscillations.** Larger than climate changes (easily 30 degrees)! Every year the weather recovers. A 'runaway' scenario is not possible!

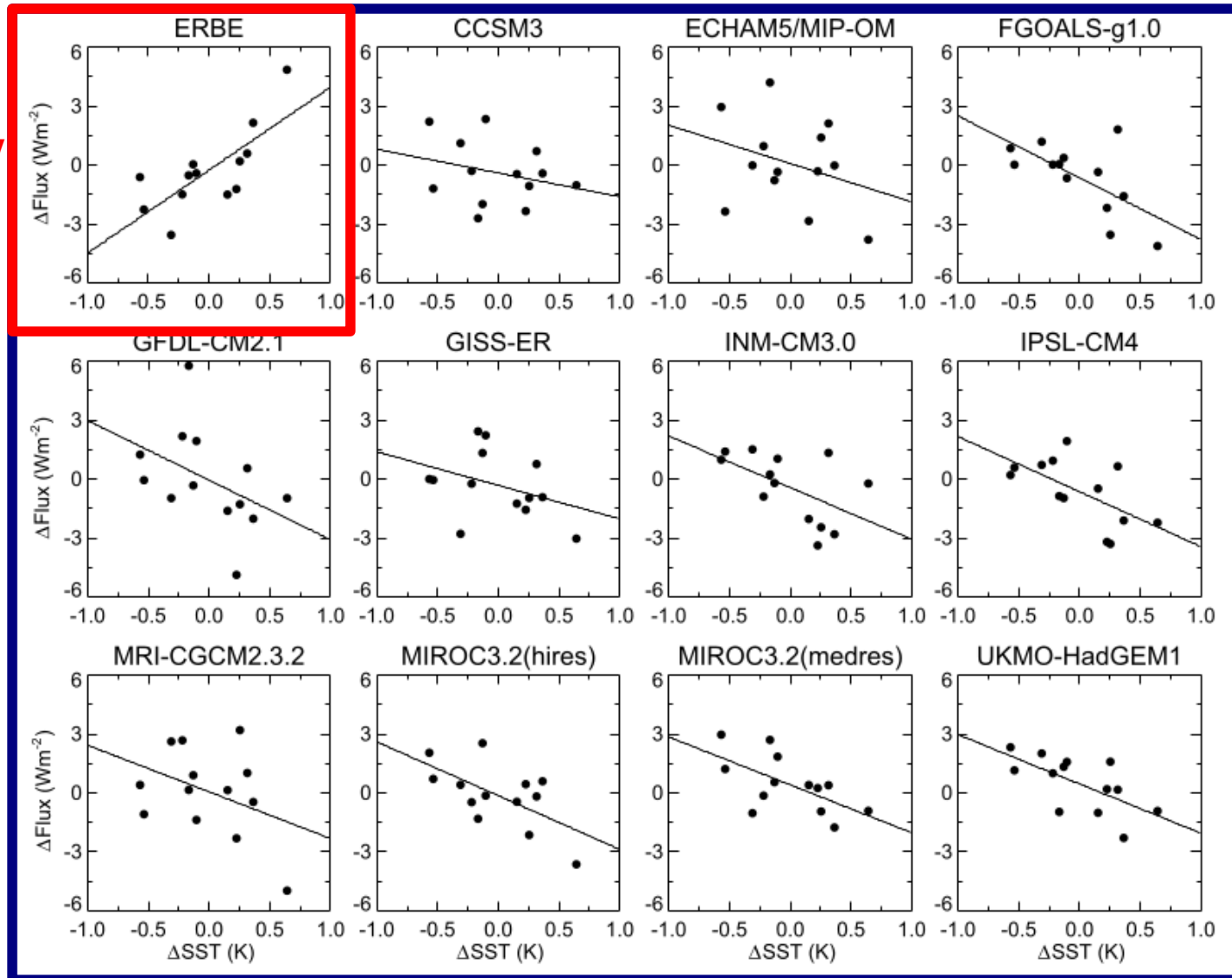
Negative feedback is always stable (imagine removing half of your bank account everyday)

The **weather/climate must have negative feedback.** If the IPCC uses positive feedback, they are doing something wrong

[CO2] doubling will have less than linear effect, $< 0.1^{\circ}\text{C}$

Feedback. Negative!

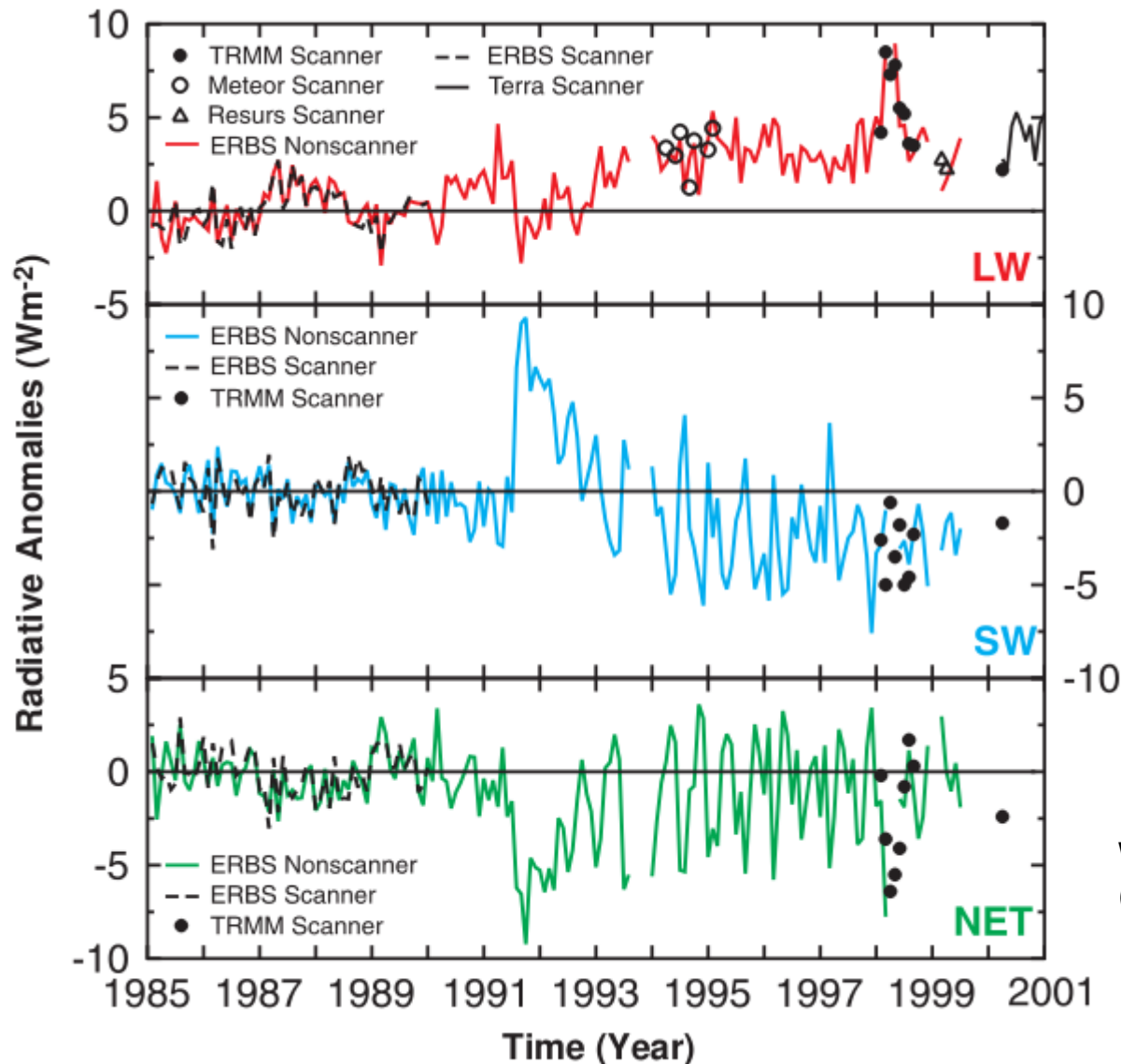
reality



IPCC Models

Lindzen & Choi, Geophys. Res. Lett., 36, L16705, 2009 doi:10.1029/2009GL039628, 2009

Feedback. Negative!

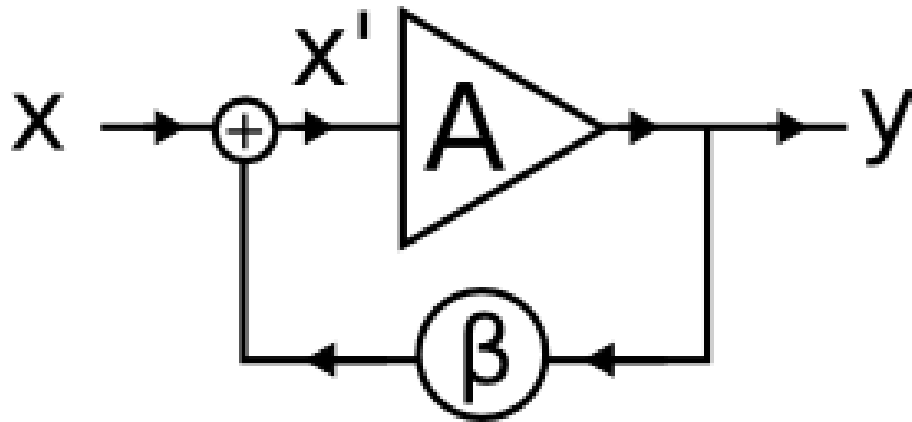


Reality shows that the system has **negative feedback**

Higher $T \rightarrow$ more radiation (Stefan-Boltzmann)

Wielicki, Science 295, 841 (2002)
(satellite measurement across tropical zones)

Negative feedback

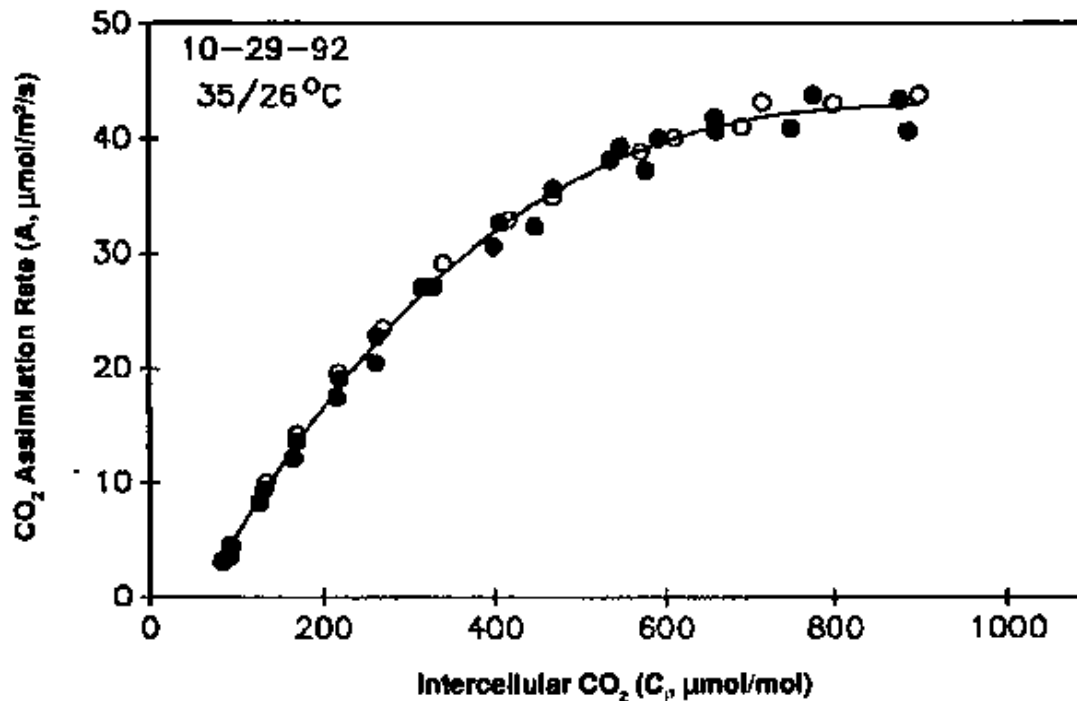


$$G = \frac{\Delta T}{\Delta[\text{CO}_2]} = \frac{A}{(1 - A\beta)}$$

$\beta < 0$. Therefore $G < A$

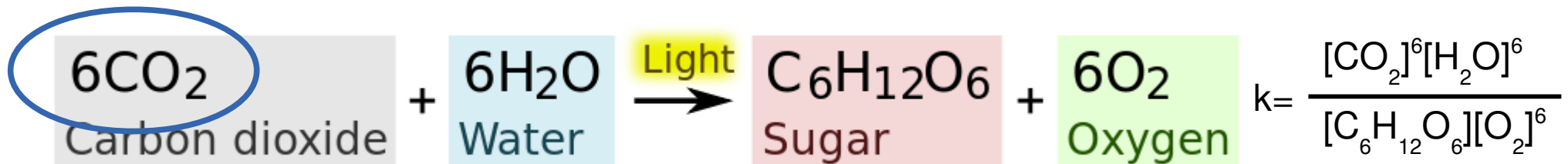
CO2 is good for you

Used as fertilizer in greenhouses (to increase food production). Chemistry 101

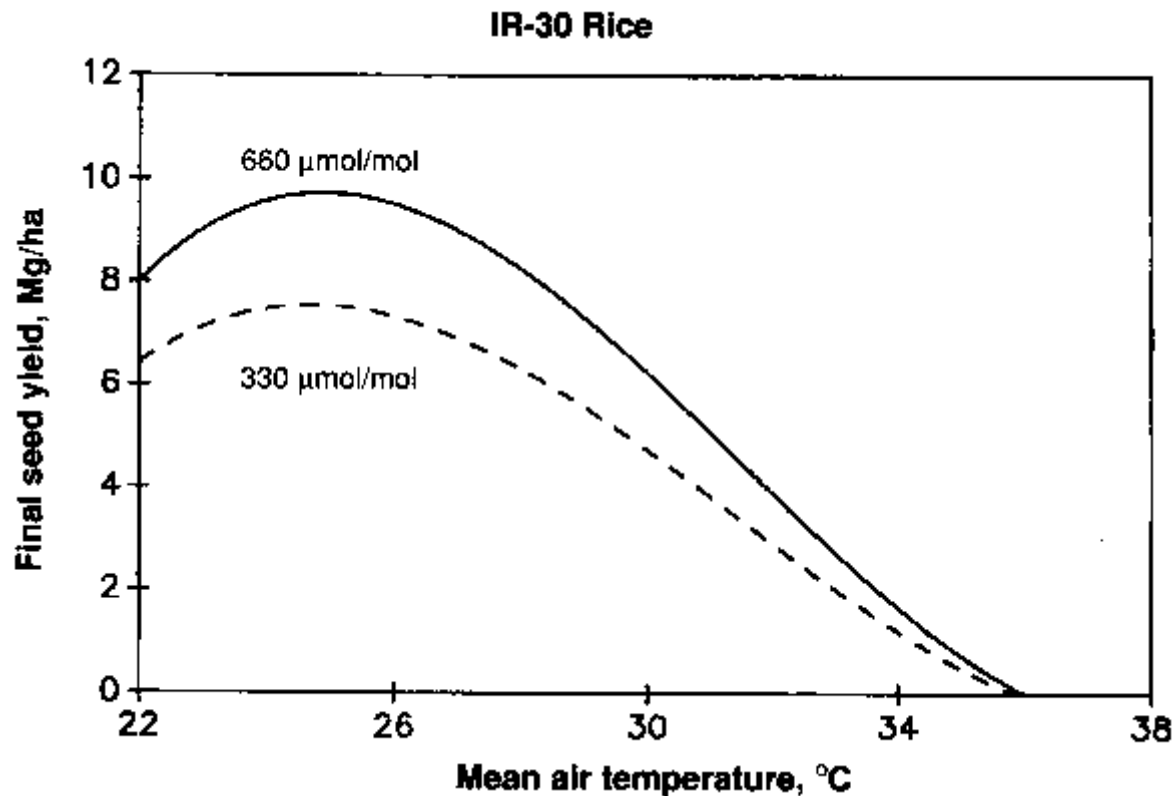


L. Hartwell Allen, Jr.
FAO

Chemistry 101 (photosynthesis):



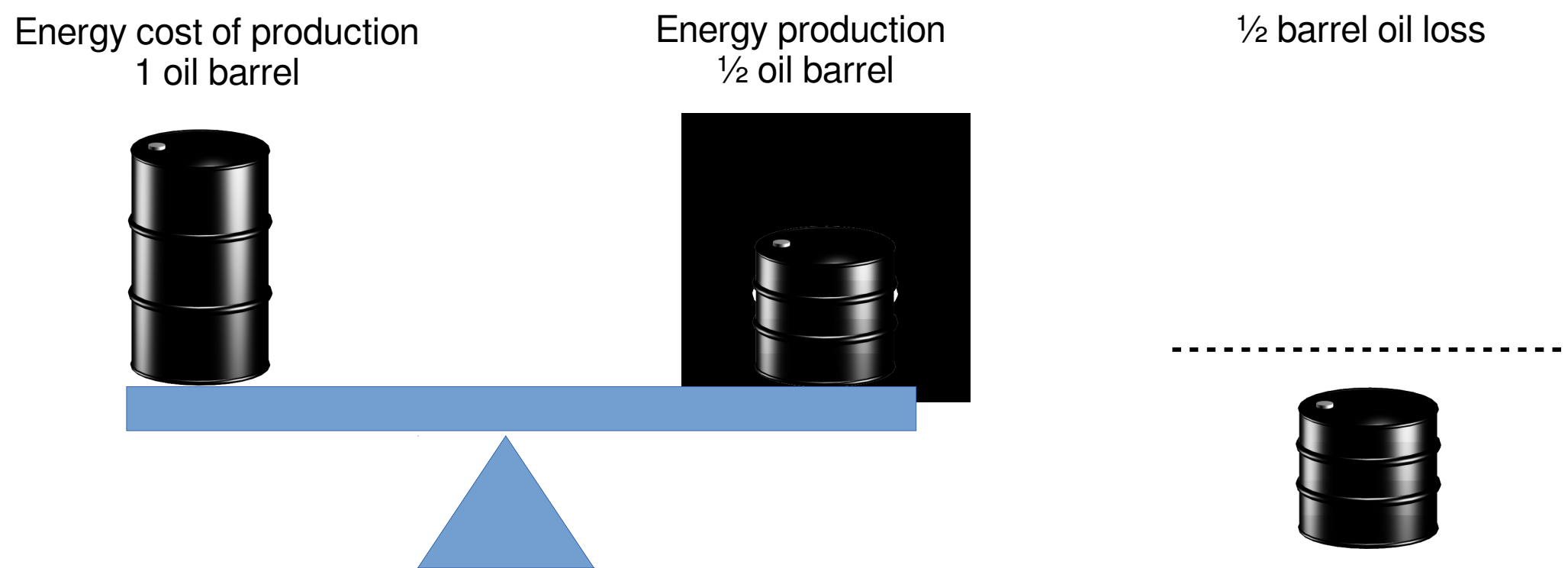
High T is good for you



L. Hartwell Allen, Jr.
FAO

Good for food production. Biological processes are thermally activated (Arrhenius), more or less factor two faster for every 10 degrees temperature rise

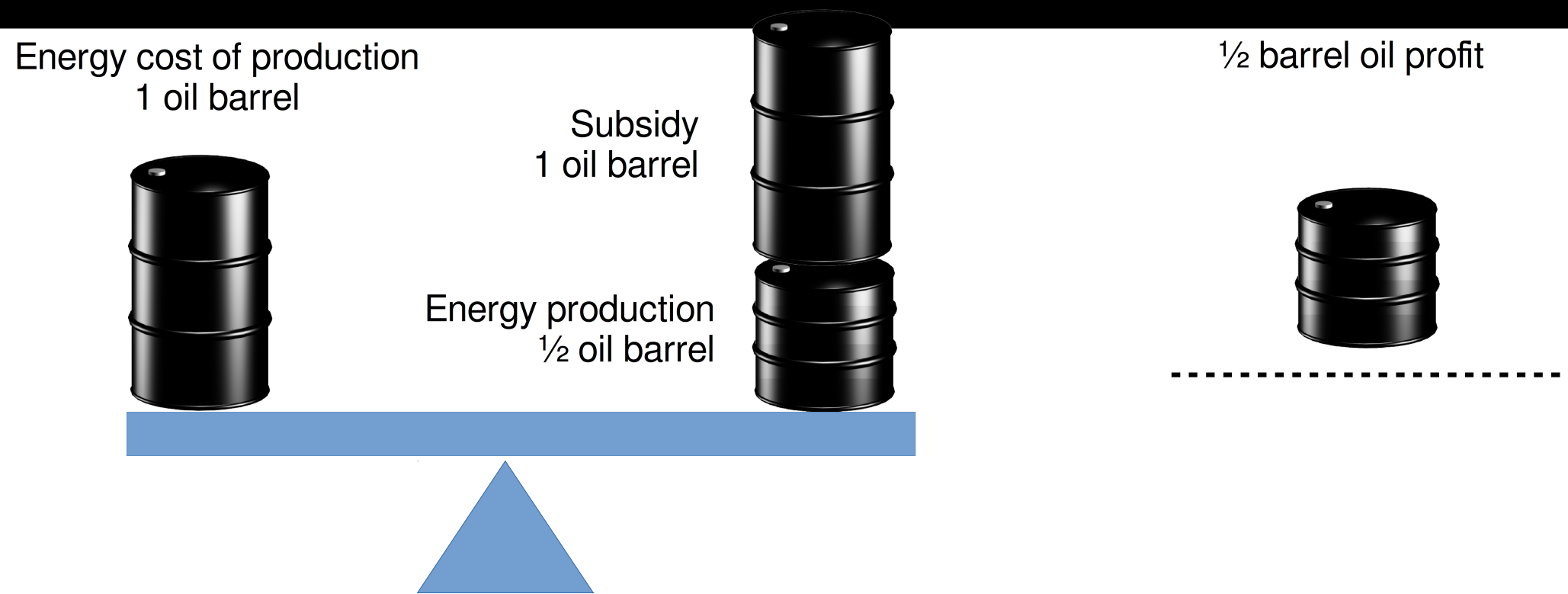
Renewable energy (mafia)



20th century:

Economic (non)profitable means energetically (non)profitable
(energy is bottleneck in our society)

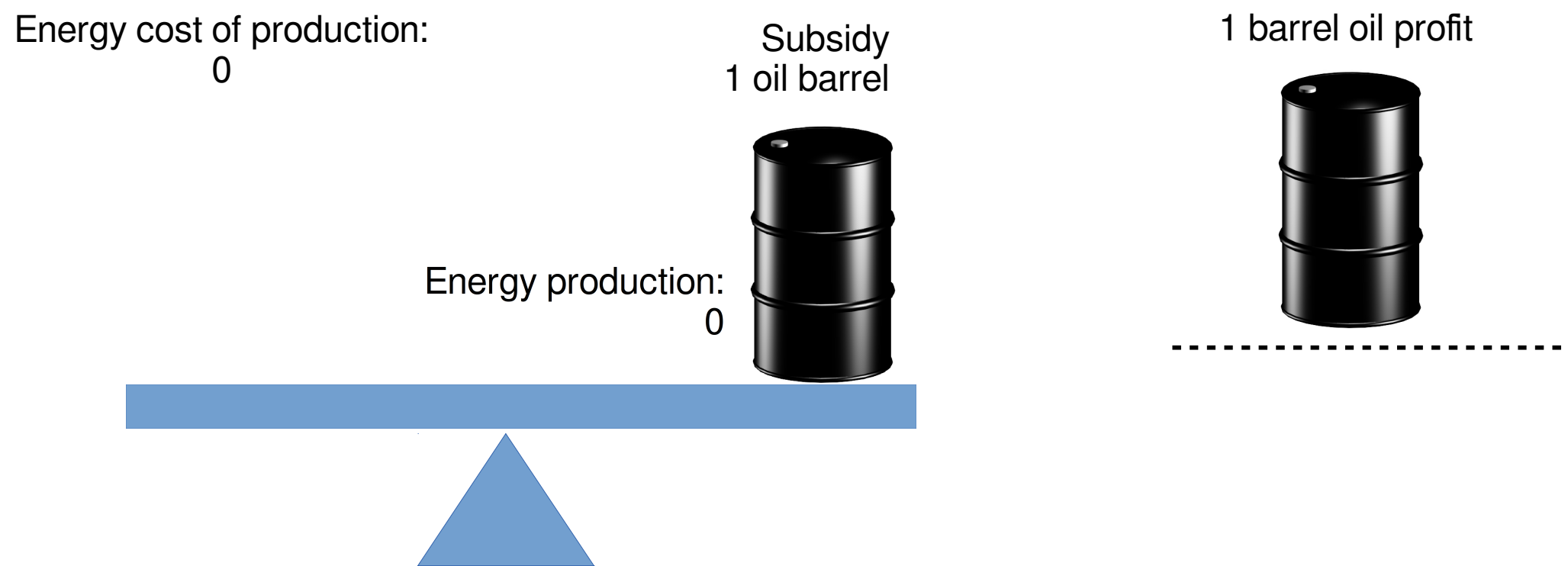
Renewable energy (mafia)



In 21st century:

- Together with subsidy they make economic profit (still $\frac{1}{2}$ barrel energetic loss)
- **Subsidies cause energy inefficiency** (and a increased destruction of our planet)
- You are not an 'friend of the environment' if you propose renewable energies. *Au contraire*

Renewable energy (mafia)



In 21st century:

- 'smart entrepreneurs' (a.k.a. Mafia): Not even build windmills. Just cash-in the subsidies.
- Cases: solar panels at night (Spain). Water dams filled with (fossil-fueled) pumps (Netherlands). Etc.

Renewable energy (mafia)

The Telegraph

HOME NEWS WORLD OLYMPICS SPORT FINANCE BLOGS CULTURE TRAVEL LIFE FASHIO
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HOME » EARTH » ENERGY » RENEWABLE ENERGY

Mafia cash in on lucrative EU wind farm handouts - especially in Sicily

An ill wind is blowing over Italy's green revolution, as the Mafia seek to capitalise on generous grants for renewable energy.



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+1 0

Renewable Energy

News » World News »
Europe » Italy »
Nick Meo »

Our tax money is spent on energy inefficient projects that destroy our planet
Subsidies on renewable energies should be stopped immediately, so that society can find an energy-optimal solution instead of subsidized destruction of our planet

Science. Nobel Prize

However, there do remain some very good Skeptics works:

- Anthony Watts: wattsupwiththat.com
- Steve McIntyre: Climate Audit
- Dr Roy Spencer (drroyspencer.com)
- Monckton (skeptic of the first hour).
See his movie The Great Global Warming Swindle
- Igor Khmelinskii: my colleague from UAlg
- **www.stallinga.org**

Stallinga.org

Non-profit science organization

**Nobel Prize should go to
Watts, McIntyre and Spencer!**



Conlcusions 1: AGW

- All observations can be explained by simple and well established physics laws. Yet, IPCC uses complicated obfuscated reasoning and inadequate tools ('finite elements') to work towards a desired result
- All IPCC predictions have failed so far. T is dropping. We are now outside many σ confidence intervals
- Data are not consistent with IPCC models (cause and effect of T and $[CO_2]$)
- CO_2 has no (significant) effect on climate, $2x[CO_2] \rightarrow <+0.1^\circ C$
- Correlation $T \leftrightarrow [CO_2]$ can be explained by Henry's Law (time scale and magnitude)
- The climate is a nagative-feedback stable system
- The AGW models are in the socio-political realm. In positive feedback (!) the population demands action from politicians who in turn increase the fear of people. Scientists are paid to prove the models. Note that positive feedback in society (speculation) is also unstable! Media join the game of demand of negative news. Full circle
- As a scientist, you can only survive when adhering to the IPCC believes (yours truly included)
- If weather events are presented as proof of climate changes, beware, you are being brainwashed!

Stallinga.org

Non-profit science organization

Conclusions 2: Science

- Science is dead (not performed by professionals). “Science is not a strategy” (technology is!)
- Science is alive. You cannot stop people to think and come up with beautiful ideas
- The Global Warming model has scientifically been debunked
- Don't be ashamed of your own ideas. Really think out of **their** box. Don't be afraid being politically incorrect, or to go against dogmas. Be a skeptic! Be agnostic! Don't be a sucker!

Special thanks to Prof. Igor Khmelinskii

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