

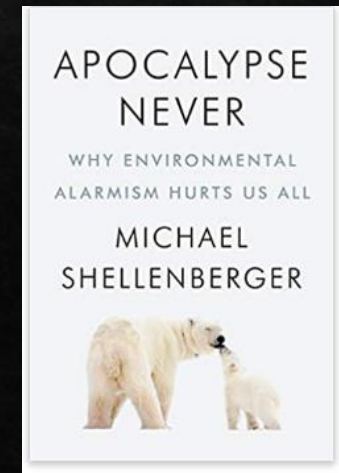
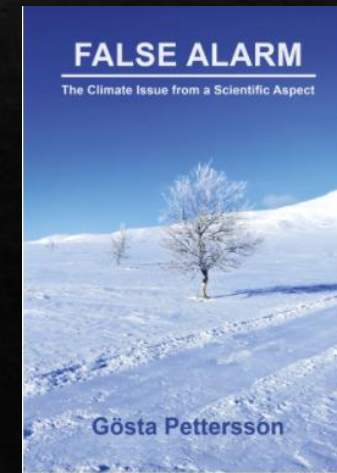
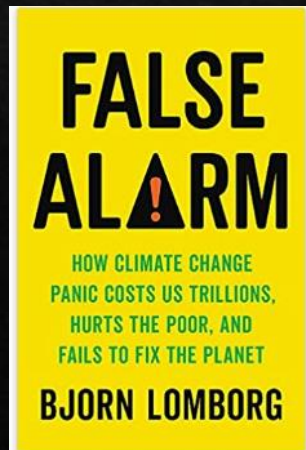
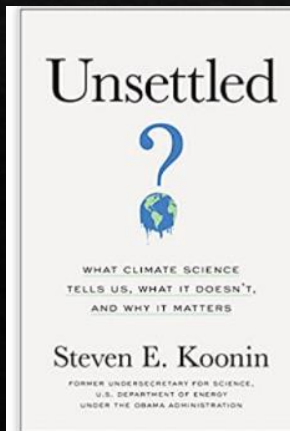
Business Leaders Have Six Questions on Climate Change

By Michelle Stirling, © Sept 2021

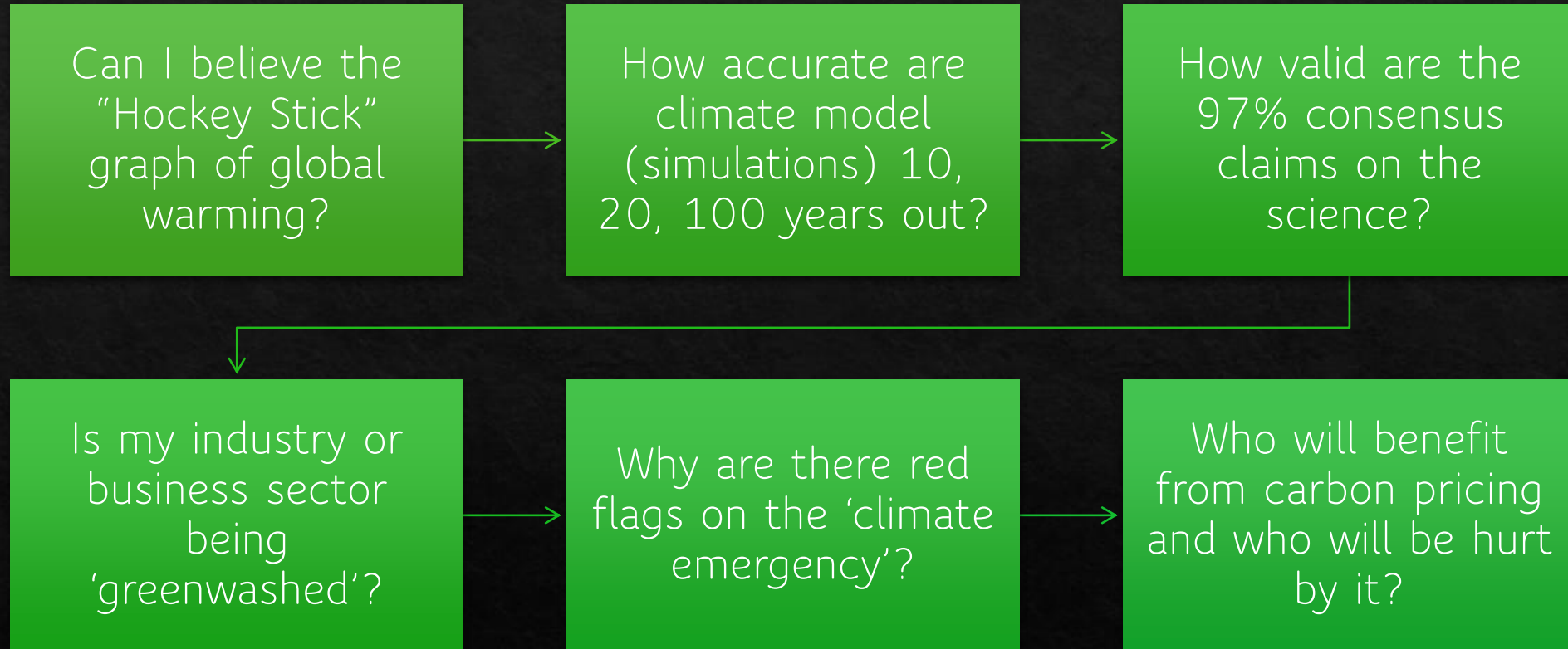


Climate Change is Real – That is not the Issue

- ◆ Humans do contribute to climate change
- ◆ The question is – ‘how much’? How much is the ratio of natural to human influence?
- ◆ Can we mitigate climate change? If so, how? How much will it cost?
- ◆ Are there opposing views? Are we hearing them? If not, why not?



6 Questions on Climate Change



Can I believe the “Hockey Stick” graph of global warming?

IPCC 1990 First Assessment Report

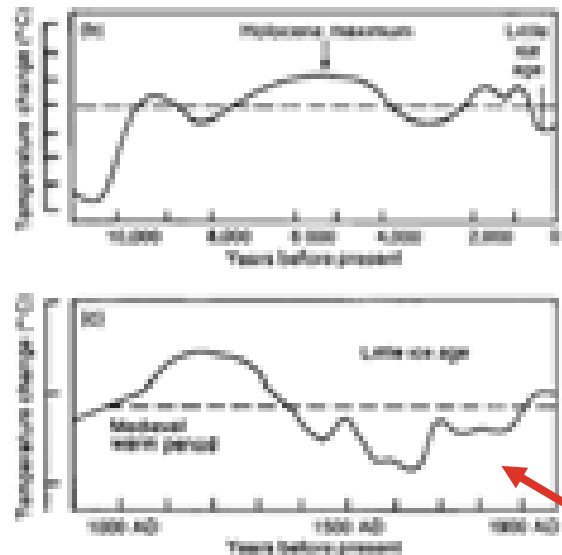
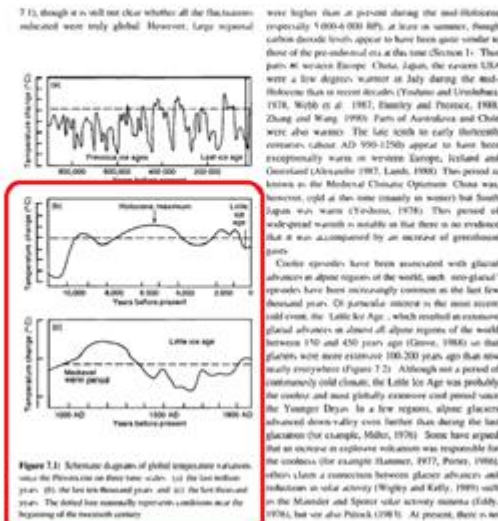
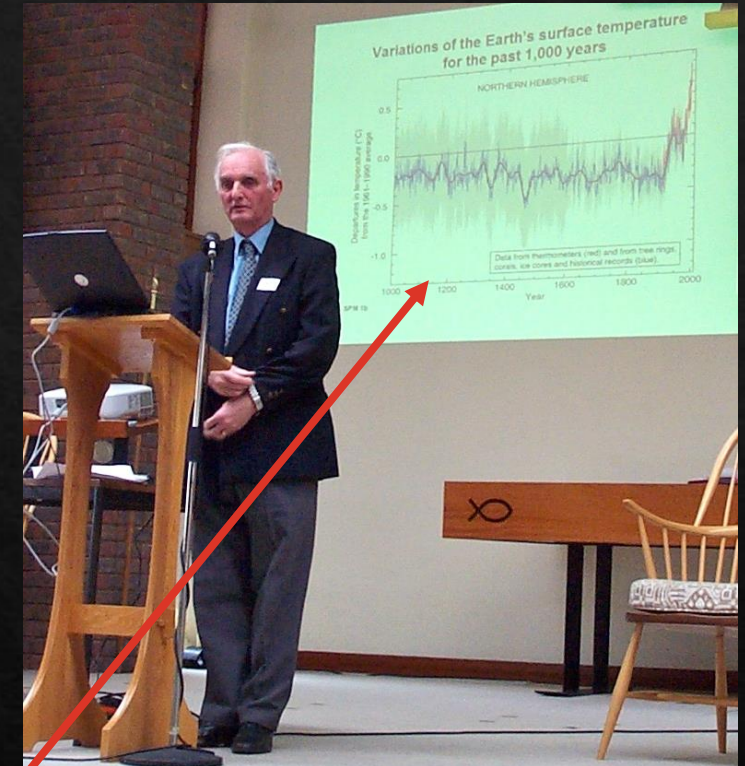


Figure 7.1: Schematic diagrams of global temperature variations since the Pleistocene on three time scales: (a) the last million years, (b) the last ten thousand years, and (c) the last thousand years. The dotted line represents conditions near the beginning of the twentieth century.



In 1990, the UN climate panel (IPCC) showed that previous warming periods had been warmer than present, and the Little Ice Age (1300-1860), much colder than today. The subsequent 'hockey stick' graph showed no such variation.

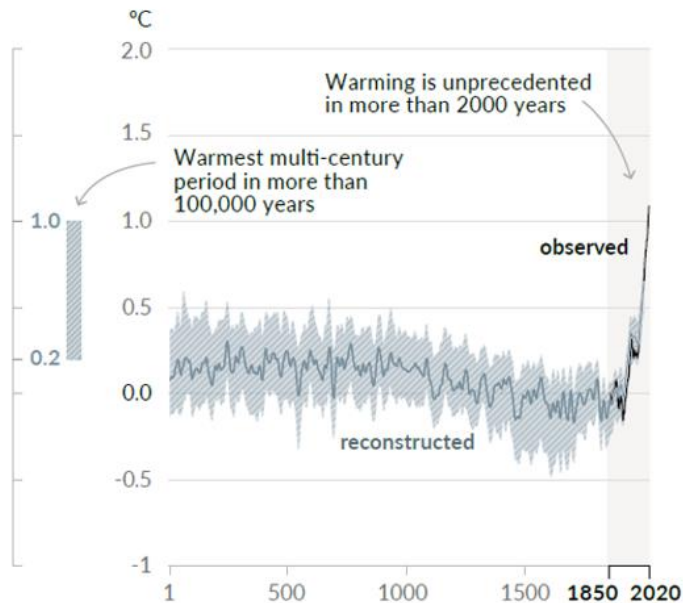


By No machine-readable author provided. Kaihsu assumed (based on copyright claims). - No machine-readable source provided. Own work assumed (based on copyright claims)., CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=67819>

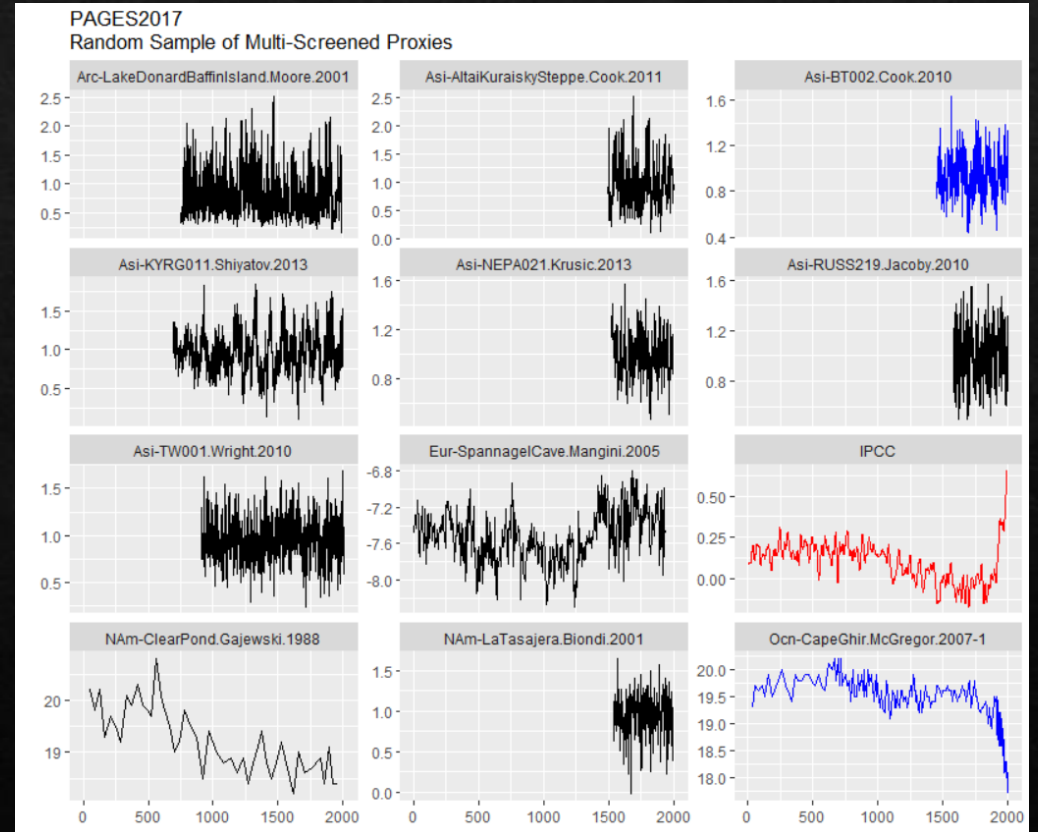
“Son of Hockey Stick” appears in IPCC AR6 Summary for Policy Makers...but not in Science Report

Changes in global surface temperature relative to 1850-1900

a) Change in global surface temperature (decadal average) as **reconstructed** (1-2000) and **observed** (1850-2020)



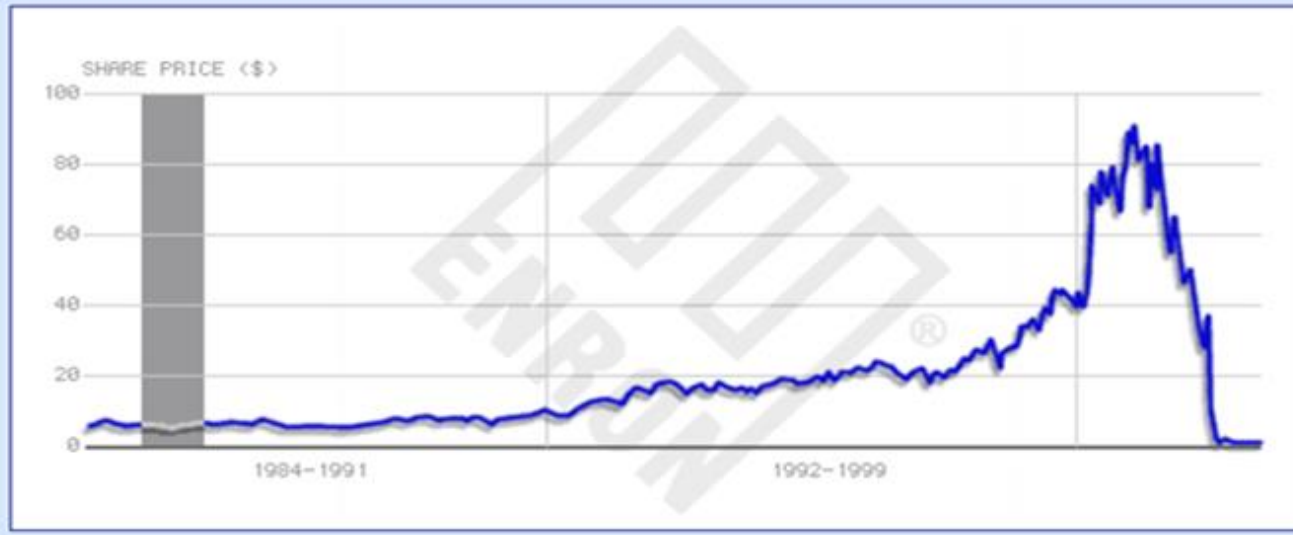
Steve McIntyre of Climate Audit found it is a jigsaw puzzle of selected data that excludes any divergence.



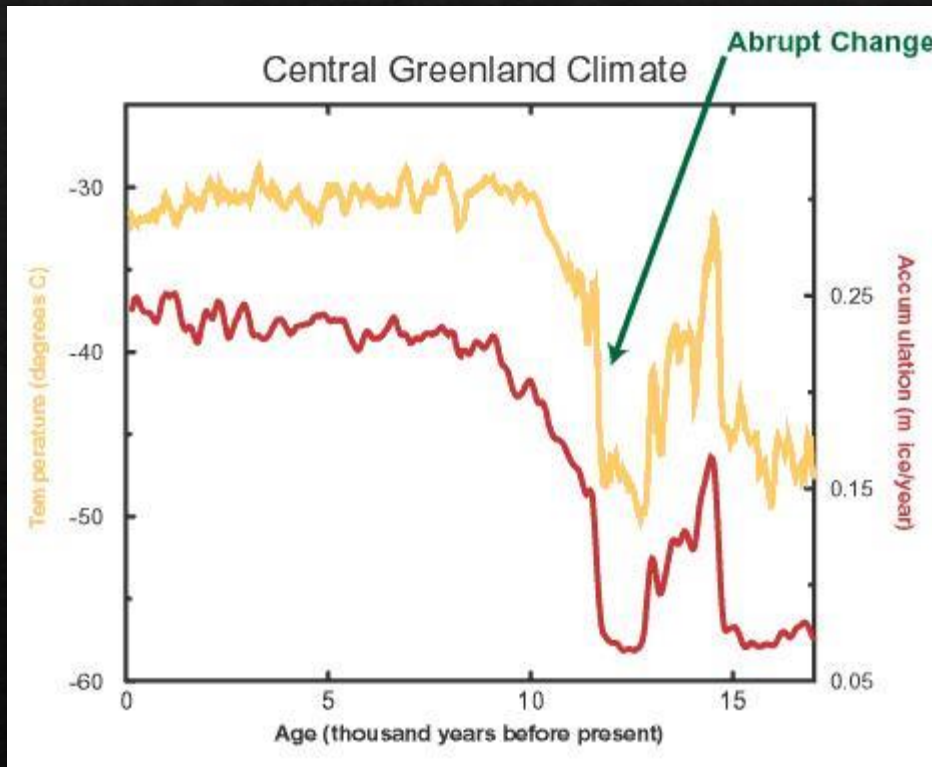
<https://climateaudit.org/2021/08/11/the-ipcc-ar6-hockeystick/>

Experienced Business People View “Hockey Sticks”
- Dramatic Upticks on Graphs - with Suspicion

Enron's stock price, 1984-2001:



Business and Climate are Not the Same. Abrupt Shifts in Temperature do Happen...

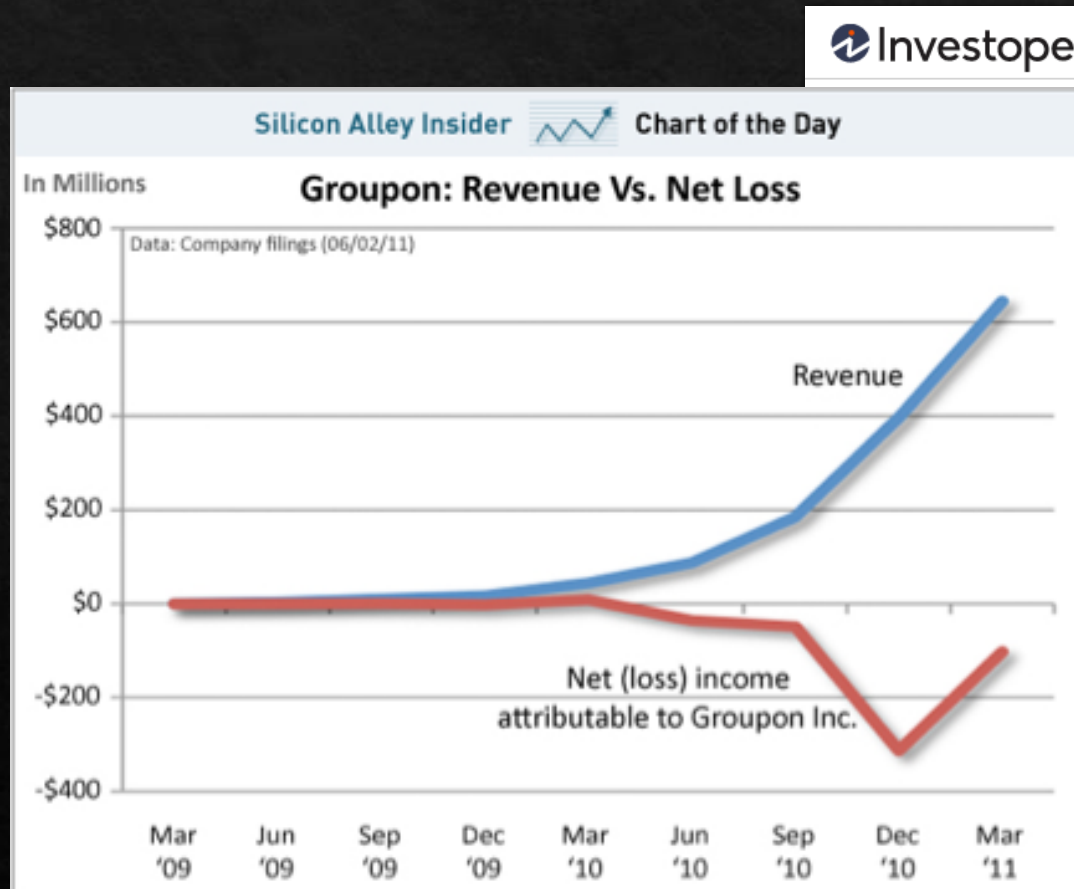


The Younger Dryas was a period of rapid cooling in the late Pleistocene 12,800 to 11,500 calendar years ago. It followed closely on the heels of a dramatically abrupt warming that brought the last Ice Age to a close (17,500 calendar years ago), lasted for about 1,300 years, then ended as abruptly as it started.

<https://wattsupwiththat.com/2012/06/19/the-intriguing-problem-of-the-younger-dryas-what-does-it-mean-and-what-caused-it/>

<https://www.ncdc.noaa.gov/abrupt-climate-change/The%20Younger%20Dryas>

Why do Business People Question 'Hockey Stick' Graphs



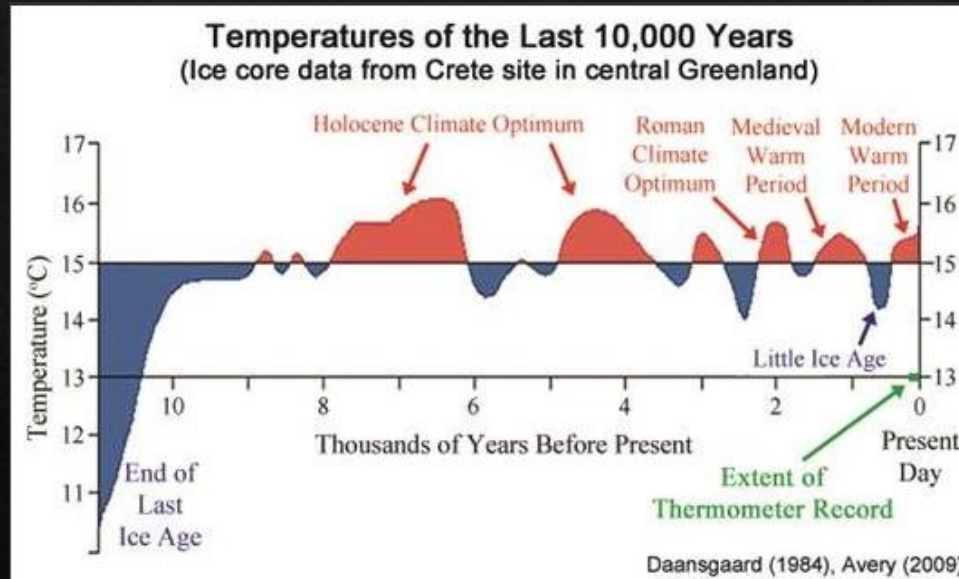
Business Example of a Hockey Stick Chart

Groupon Inc. has the distinction of being the fastest company in business history to achieve \$1 billion in sales. It accomplished this in about two-and-a-half years, half the time of even Amazon and Google. Imagine sales of less than \$100K in 2008 and \$14.5 million in 2009. This is the blade part of the hockey stick. In 2010 the company had sales of \$313 million, representing the upward bend or inflection point of the stick. Then in 2011, Groupon generated \$1.6 billion in sales. Plotted on a graph with sales on the y-axis and time on the x-axis, the data clearly illustrates a hockey stick pattern. However, as successful as the company may have seemed at the time, the soaring revenues did not mean it was profitable. In fact, net losses in 2010 and 2011 were \$413 million and \$275 million, respectively, due to selling and marketing expenses.

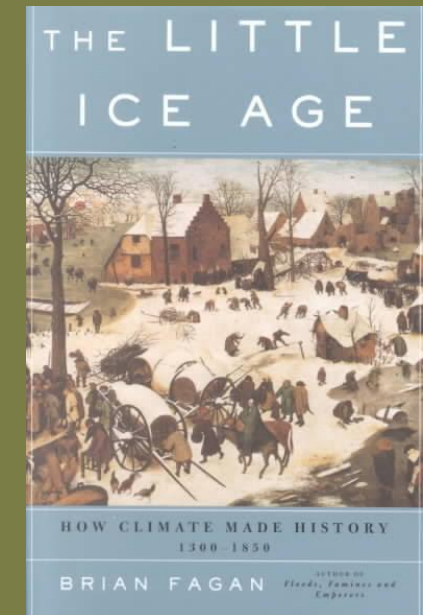
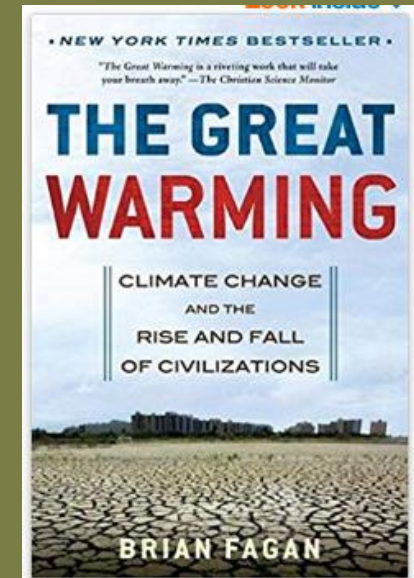
This pundit has some plain language investment insights on hockey sticks.

<https://lunarmobiscuit.com/the-hockey-stick/>

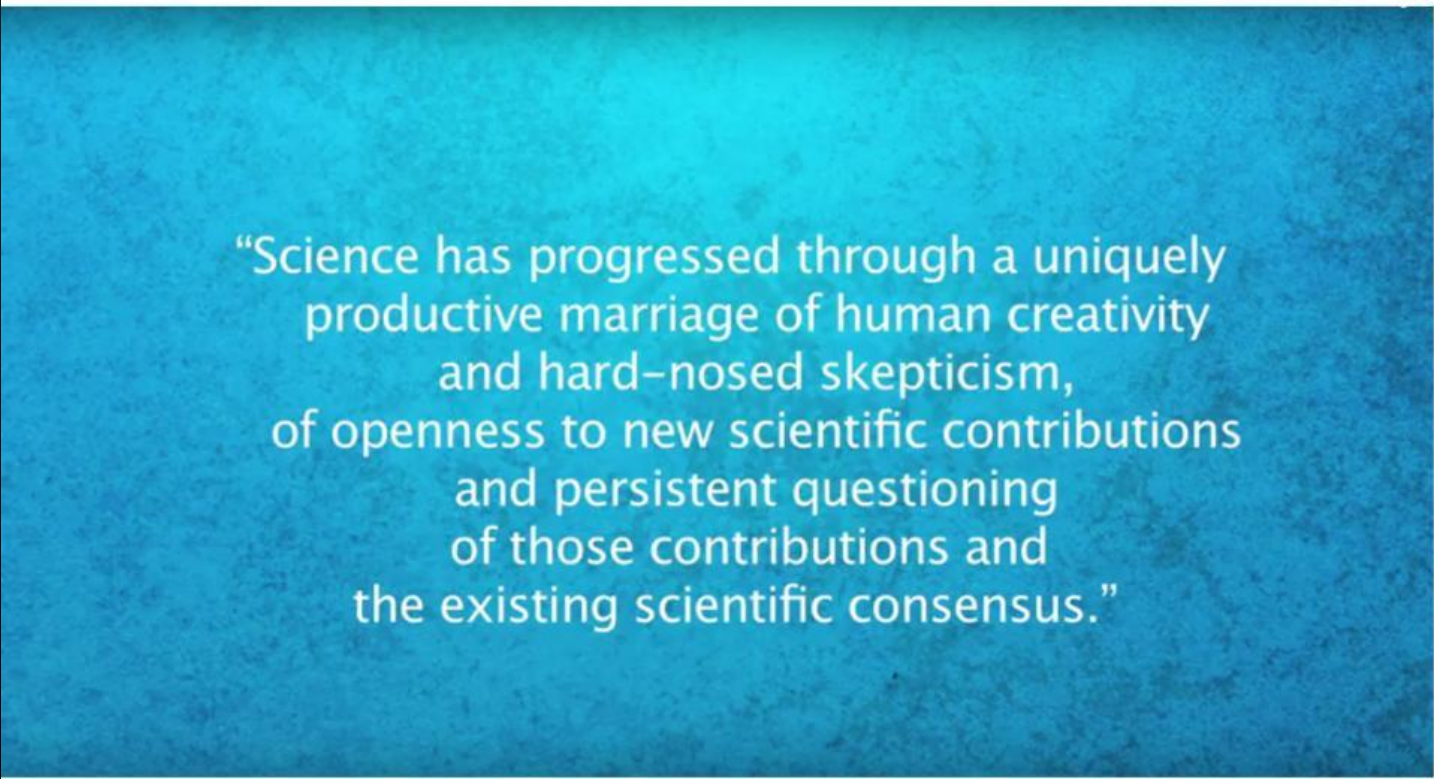
Medieval Warm Period was as warm as now or warmer, the Little Ice Age much cooler. The “Hockey Stick” erased both – making it seem that current warming was dramatic and unusual.



Recommended reading on the Medieval Warm Period and the Little Ice Age – two plain language books by Brian Fagan.



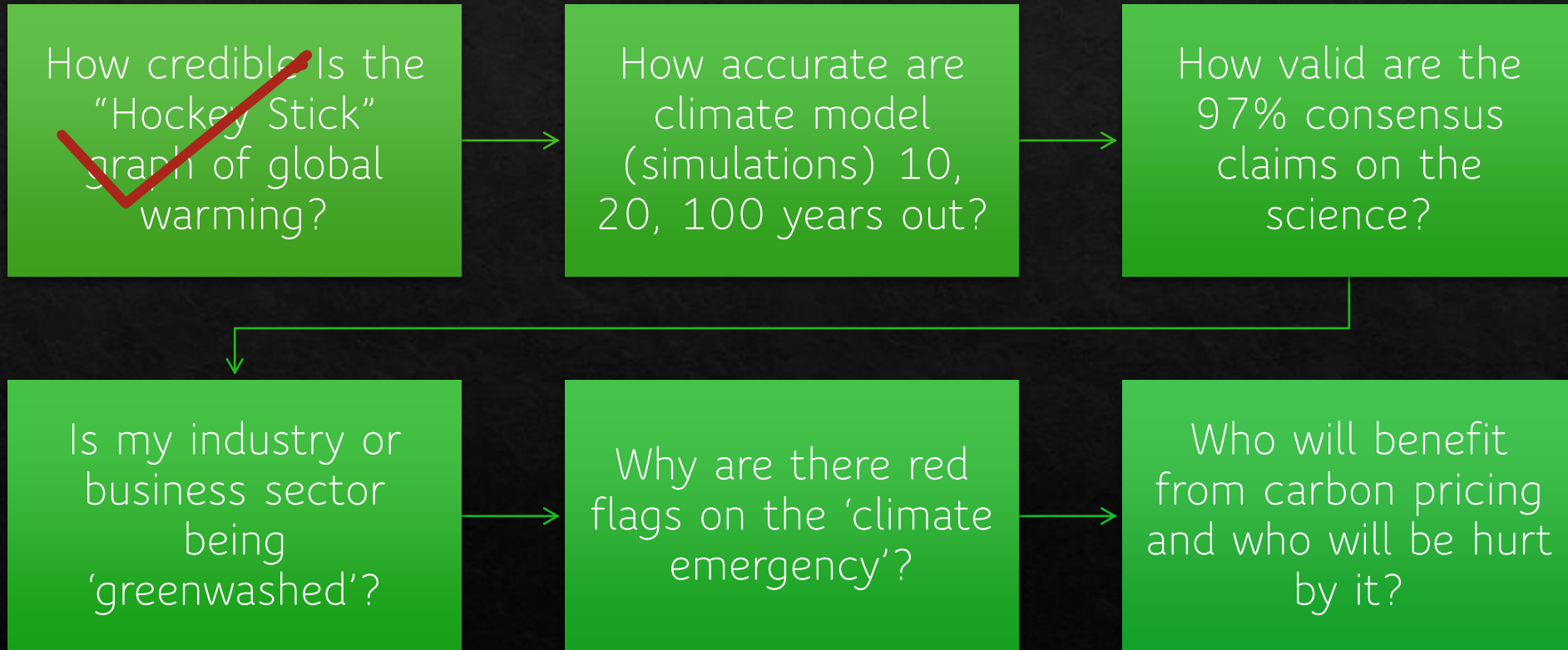
Science progresses by questioning 'consensus' claims



“Science has progressed through a uniquely productive marriage of human creativity and hard-nosed skepticism, of openness to new scientific contributions and persistent questioning of those contributions and the existing scientific consensus.”

<https://www.nap.edu/catalog/12192/on-being-a-scientist-a-guide-to-responsible-conduct-in>

6 Questions on Climate Change



How accurate are climate model (simulations) 10, 20, 100 years out?

Climate models (computer simulations) employ complex differential equations with hundreds of variables.

To do an accurate 10 year forecast, according to Prof. Christopher Essex, one would need computing time equivalent to the age of the universe....squared.

Thus, shortcuts are used in the models that result in inaccurate short-term forecasts. Not one computer model predicted the ~18 year 'hiatus' in warming from 1998-2016, which occurred despite a significant rise in carbon dioxide – the gas said to cause global warming.

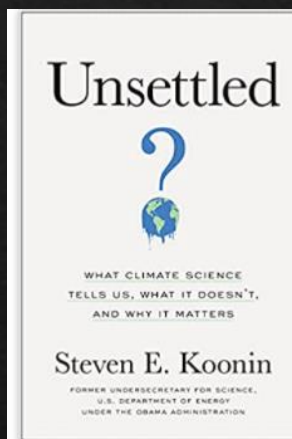
$$\begin{aligned} \rho \left(\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} + w \frac{\partial u}{\partial z} \right) = \\ \rho g_x - \frac{\partial p}{\partial x} + \frac{\partial}{\partial x} \left[2\mu \frac{\partial u}{\partial x} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] \end{aligned}$$

$$\begin{aligned} \rho \left(\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + w \frac{\partial v}{\partial z} \right) = \\ \rho g_y - \frac{\partial p}{\partial y} + \frac{\partial}{\partial y} \left[2\mu \frac{\partial v}{\partial y} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] \end{aligned}$$

$$\begin{aligned} \rho \left(\frac{\partial w}{\partial t} + u \frac{\partial w}{\partial x} + v \frac{\partial w}{\partial y} + w \frac{\partial w}{\partial z} \right) = \\ \rho g_z - \frac{\partial p}{\partial z} + \frac{\partial}{\partial z} \left[2\mu \frac{\partial w}{\partial z} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] \end{aligned}$$

What Climate Modellers Say About Models

- ◆ “The climate model is a very good tool for understanding climate, but a very bad tool for predicting climate” – Syukuro Manabe, Princeton University
 - ◆ <https://scholar.princeton.edu/manabe/home>
- ◆ “A computer model gives a good model for the motion of the air in the atmosphere, or the motion of the water in the oceans, – that’s all it can do. But all the other things like trees, clouds and snow and all the fine details the models cannot do.” – Freeman Dyson, Princeton University <https://www.marijnpoels.com/single-post/2019/03/05/We-don%E2%80%99t-understand-climate-its-very-complicated-and-were-only-at-the-beginning-to-understand-what-the-effects-may-be>
- ◆ “So far, no one has been able to provide a compelling answer to why climate change seems to be taking a break. We're facing a puzzle. Recent CO₂ emissions have actually risen even more steeply than we feared. As a result, according to most climate models, we should have seen temperatures rise by around 0.25 degrees Celsius (0.45 degrees Fahrenheit) over the past 10 years. That hasn't happened. In fact, the increase over the last 15 years was just 0.06 degrees Celsius (0.11 degrees Fahrenheit) -- a value very close to zero.” – Hans von Storch, Max Planck Institute, Germany <https://www.spiegel.de/international/world/interview-hans-von-storch-on-problems-with-climate-change-models-a-906721.html>



What Shocked Steve Koonin

Nonetheless, projections derived from general circulation model are used to tell policy makers when greenhouse gas emissions must peak and by how much they must fall to avoid temperatures rising more than the two-degree Celsius increase above pre-industrial levels stipulated in the Paris climate treaty. Steven Koonin, chairing the APS workshop, read an extract from chapter 10 of the IPCC's Fifth Assessment Report. Model-simulated responses to forcings—including greenhouse gas forcings—"can be scaled up or down."³⁵ To match observations, some of the forcings in some of the models had to be scaled down. But when it came to making the centennial projections, the scaling factors were removed, probably resulting in a 25 to 30 percent over-projection of the 2100 warming, Koonin said.³⁶ Only the transcript does full justice to the exchange that followed.

Dr. Koonin: But if the model tells you that you got the response to the forcing wrong by 30 percent, you should use that same 30 percent factor when you project out a century.

Dr. Collins: Yes. And one of the reasons we are not doing that is we are not using the models as [a] statistical projection tool.

Dr. Koonin: What are you using them as?

Dr. Collins: Well, we took exactly the same models that got the forcing wrong and which got sort of the projections wrong up to 2100.

Dr. Koonin: So, why do we even show centennial-scale projections?

Dr. Collins: Well, I mean, it is part of the [IPCC] assessment process.³⁷

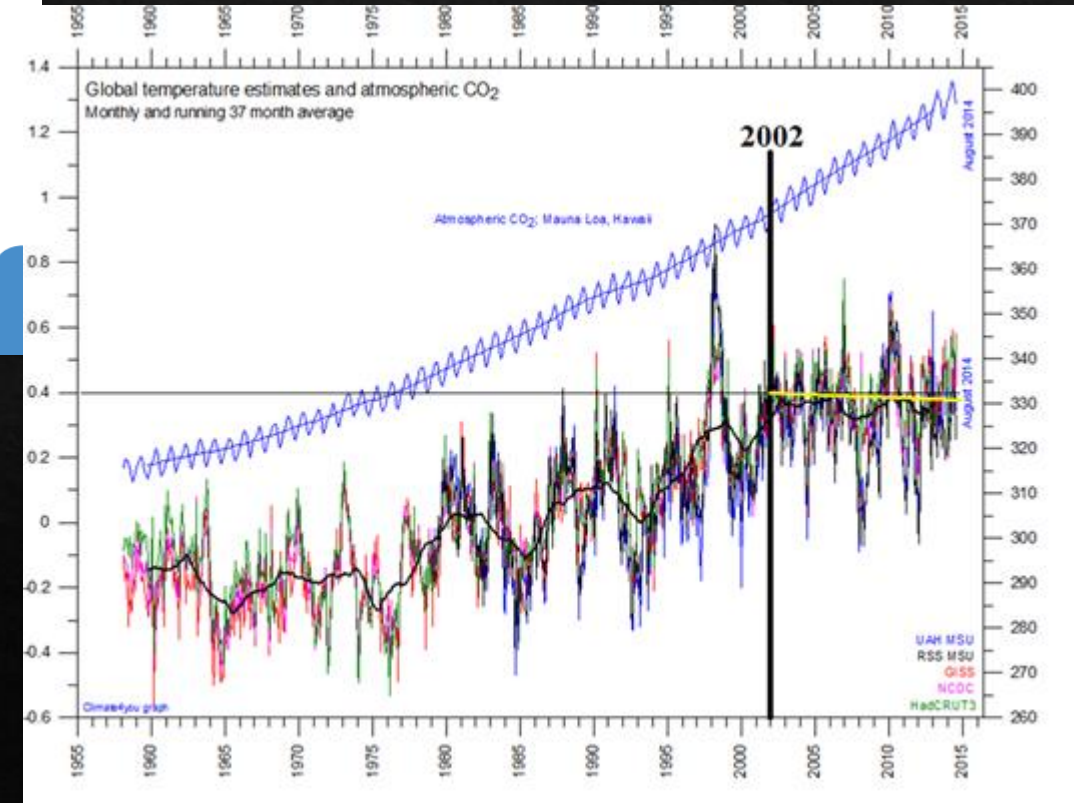
"It is part of the assessment process" is not a scientific justification for using assumptions that are known to be empirically wrong to produce projections that help drive the political narrative of a planet spinning toward a climate catastrophe

Carbon Dioxide (CO₂) is not the Control Knob

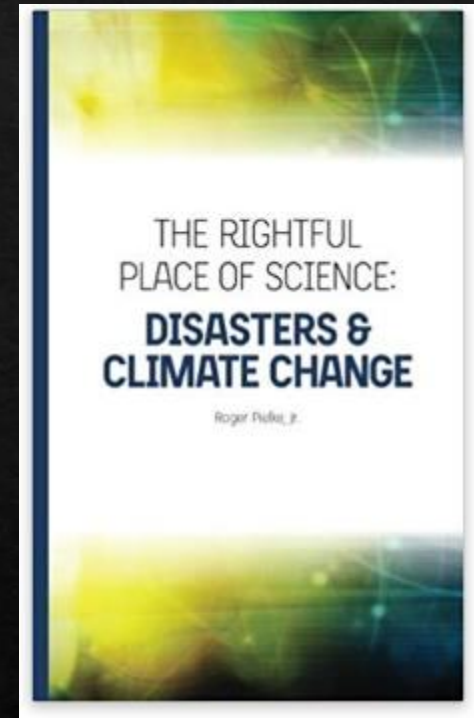
Box 9.2 | Climate Models and the Hiatus in Global Mean Surface Warming of the Past 15 Years

The observed global mean surface temperature (GMST) has shown a much smaller increasing linear trend over the past 15 years than over the past 30 to 60 years (Section 2.4.3, Figure 2.20, Table 2.7; Figure 9.8; Box 9.2 Figure 1a, c). Depending on the observational data set, the GMST trend over 1998–2012 is estimated to be around one-third to one-half of the trend over 1951–2012 (Section 2.4.3, Table 2.7; Box 9.2 Figure 1a, c). For example, in HadCRUT4 the trend is 0.04°C per decade over 1998–2012, compared to 0.11°C per decade over 1951–2012. The reduction in observed GMST trend is most marked in Northern Hemisphere winter (Section 2.4.3; Cohen et al., 2012). Even with this “hiatus” in GMST trend, the decade of the 2000s has been the warmest in the instrumental record of GMST (Section 2.4.3, Figure 2.19). Nevertheless, the occurrence of the hiatus in GMST trend during the past 15 years raises the two related questions of what has caused it and whether climate models are able to reproduce it.

In 2013, the Intergovernmental Panel on Climate Change released the AR5 report, excerpt above, stating that despite a dramatic rise in CO₂ (see blue upward line on graph to right) there had been a ‘hiatus’ in global warming for the 15 years prior. Dr. Judith Curry, in testimony to the US Senate stated that *carbon dioxide is not the control knob that can fine tune climate*.

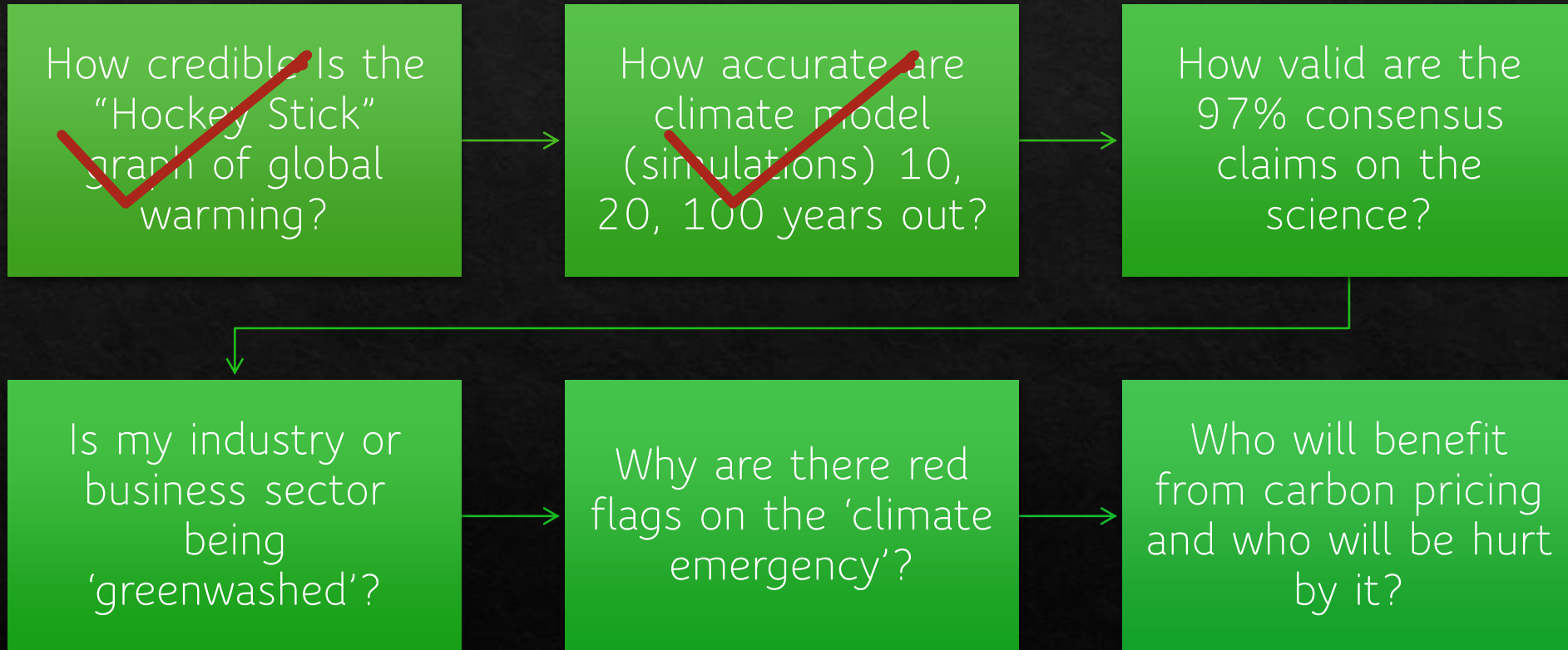


A Carbon Tax will not stop Climate Change or Reduce Extreme Weather Events



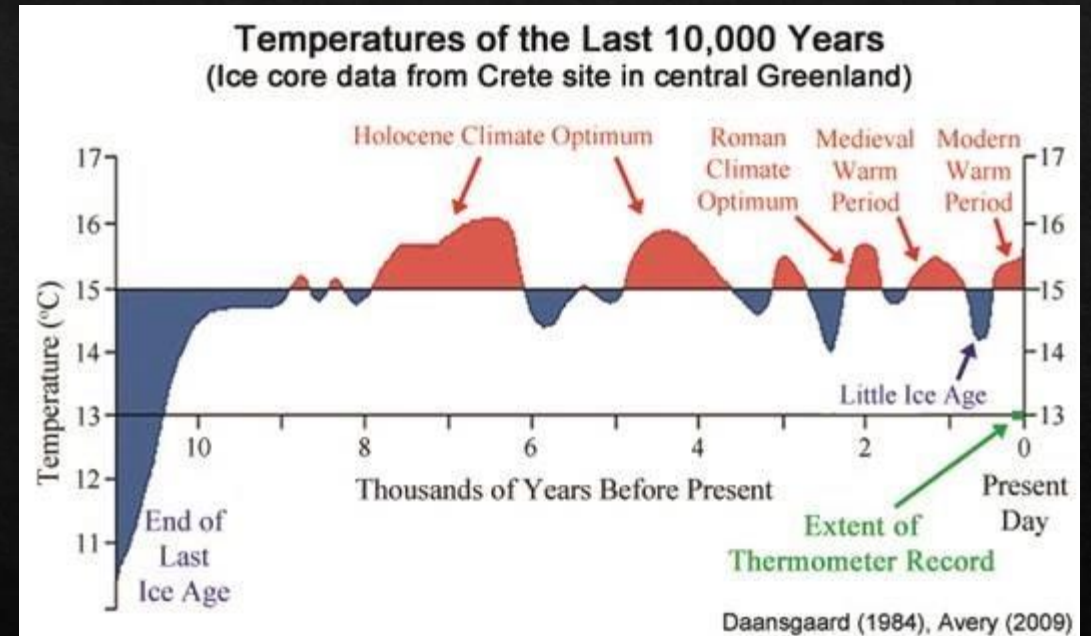
Insurance companies like to make claims that global warming is causing extreme weather events like wildfires and floods; that is simply not true as shown, with evidence, by Robert Muir, P. Eng. <https://business.financialpost.com/opinion/hyped-up-misleading-insurance-myths-about-severe-weather-flooding-distract-us-from-real-problems> and climate policy expert and author Roger Pielke, Jr.

6 Questions on Climate Change



How valid are the 97% consensus claims on the science?


- ◆ Scientists agree that climate changes all the time.
- ◆ Scientists generally agree that human activity contributes to climate change, but they disagree about the ratio of human to natural influence.
- ◆ Scientists disagree about whether humans can control climate; economists disagree about cost-effective efforts to address climate change; engineers dispute the effectiveness of proposed climate solutions like wind and solar, as they are expensive, unreliable, intermittent forms of power generation, unsuited to modern society's needs.



Business People know that Social Proofs are Influential

**The sun is the main driver
of climate change.**

Not you. Not CO2.

 EARTH TO SCALE

Find out the facts: www.friendsofscience.org


**97% Consensus
on Global Warming?**

NO.

No consensus.
Not even close.
They're fooling you.



The “Social Proof” is one of the Most Powerful Drivers of Human Behaviour



97% CONSENSUS? NO!
GLOBAL WARMING MATH
MYTHS & SOCIAL PROOFS.

The “Science” of Statisticulation

To gain public acceptance for carbon taxes and renewable energy subsidies, several studies claim a 97% scientific consensus on global warming, implying that the human causes are all about carbon dioxide or greenhouse gases; but a closer look reveals a lot of mathematical manipulation goes into arriving at 97% - a psychological ploy that plays on our primal emotions, 'herd mentality' and fear of being the odd man out. Few people know that the Dutch government has called for the IPCC to be overhauled stating: **“...limiting the scope of the IPCC to human-induced climate change is undesirable, especially because natural climate change is a crucial part of the total understanding of the climate system.”** Not only is the 97% claim faulty, the climate predictions of the IPCC exclude an estimated 65% natural factor influence.

Friends of Science Society, Calgary
2/17/2014 REV
© 2014 Friends of Science Society

https://friendsofscience.org/assets/documents/97_Consensus_Myth.pdf

Influence

The Psychology of Persuasion
by Robert B. Cialdini, Ph.D.

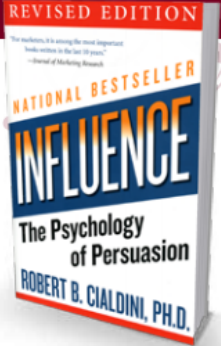
Getting to Yes

How to Persuade People to Your Point of View

QUICK OVERVIEW

Focused on the six major techniques for getting people to say “yes,” Robert Cialdini’s classic, *Influence: The Psychology of Persuasion*, is a must-read for businesspeople and entrepreneurs. Grounded in solid research, the book introduces readers to the six key principles of persuasion: reciprocity, consistency and commitment, social proof, liking, authority, and scarcity.

Cialdini explains how to gain compliance from customers, business associates, even friends and family by appealing to the “shortcuts” we create in our brains for easy decision-making. His book is loaded with intriguing stories of social experiments as well as real-life scenarios that demonstrate how the principles of compliance work, how to use them, and how (when faced with unscrupulous businesspeople) to avoid them.



HarperCollins
© 1983, 1984, Robert Cialdini
ISBN: 9780061241895
336 pages, \$17.99

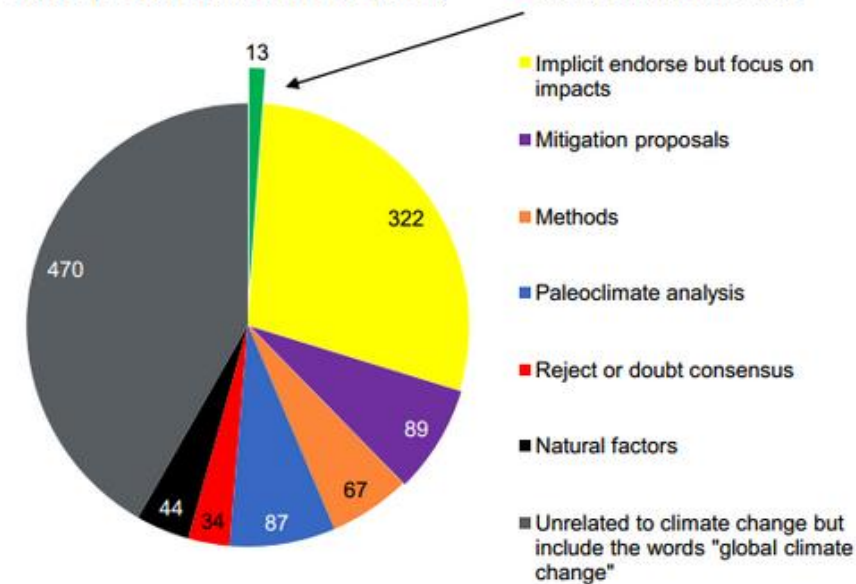
SUCCESS Points

All the “Consensus” Surveys are Flawed

Al Gore said zero scientists disagreed w. AGW. Peiser re-ran Oreske's research & showed only 13 explicitly agreed - most had NO POSITION.

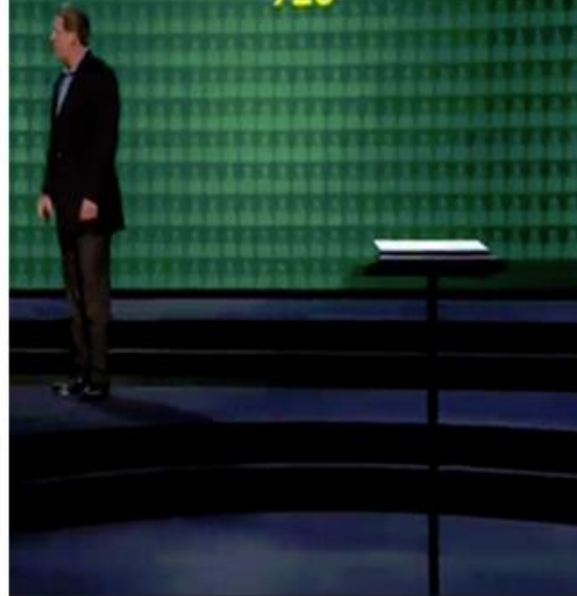
Figure 4: Peiser (2005) re-run of Oreskes (2004)

Peiser (2005) re-run of Oreskes (2004)



the previous ten years:

928



Co-Author of Doran & Zimmerman says she is 'more neutral' having surveyed scientists

On the [NASA Climate Change](#) website, Doran and Zimmerman (2009) is presented as a 97% consensus study. A closer look at Zimmerman's original research "The Consensus on the Consensus" reveals that she herself wrote "I can honestly say that I have heard very convincing arguments from all the different sides, and I think I'm actually more neutral on the issue now than I was before I started this project."

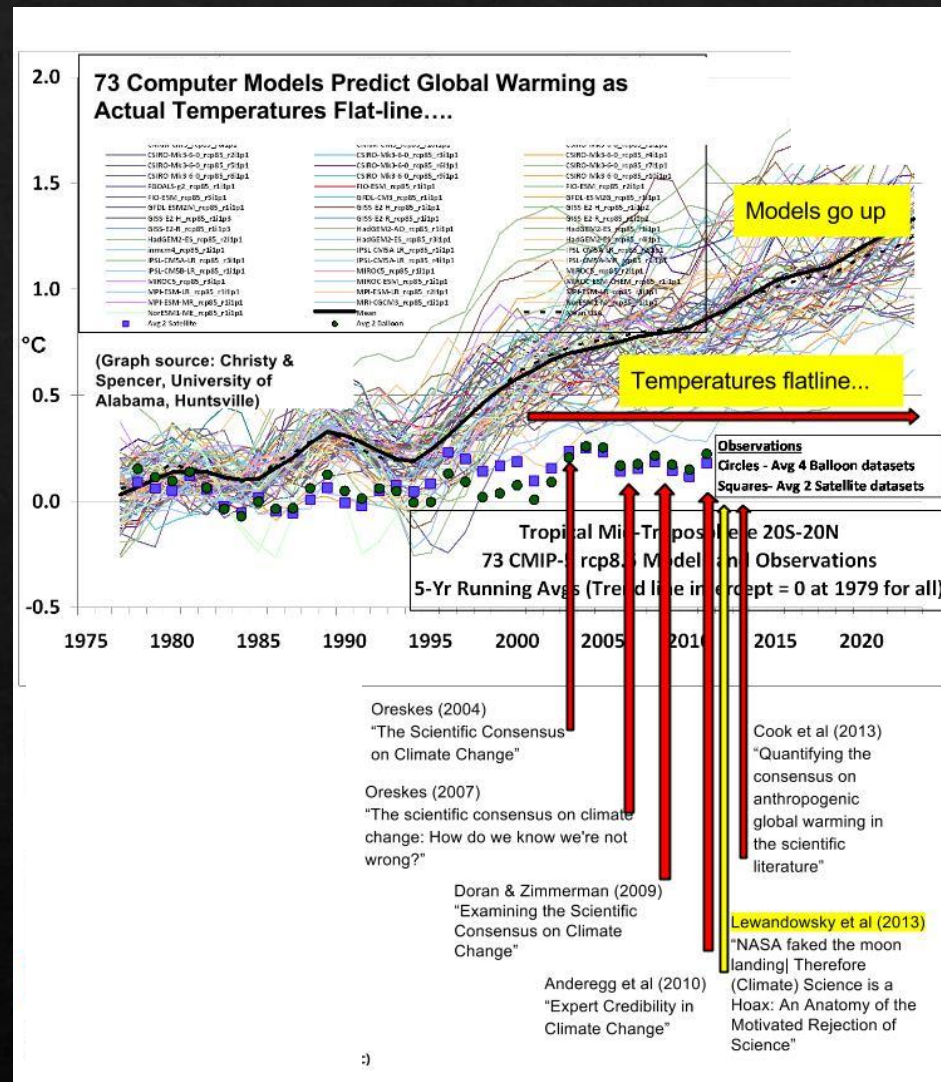


THE CONSENSUS ON
THE CONSENSUS

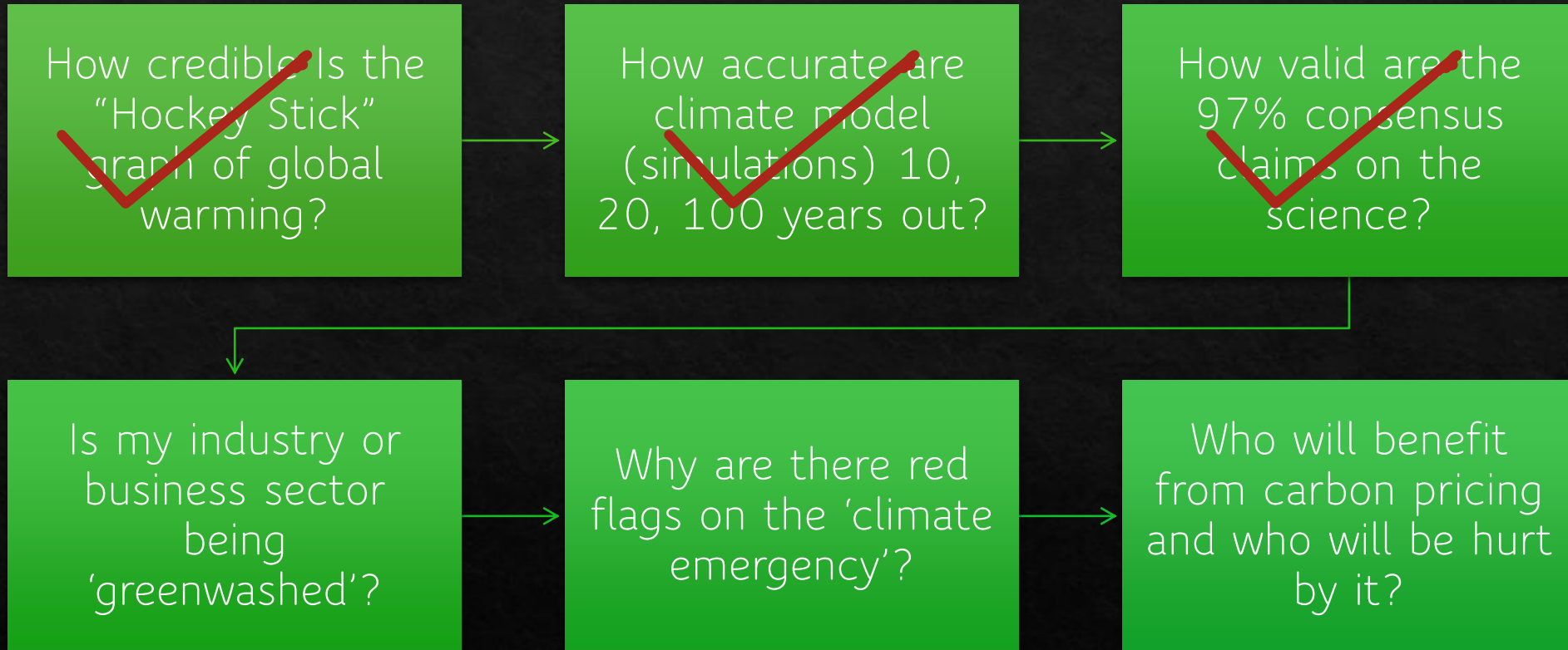
An opinion survey of
Earth Scientists on global
climate change

M. R. K. Zimmerman

‘Consensus’ studies began appearing as climate observations (actual temperatures) flatlined, while climate models projected very significant temperature rise.



6 Questions on Climate Change



Is my industry or business sector being 'greenwashed'? Shouldn't Climate Policy advocates have to meet the same standards as you and your business?

Before making environmental claims, businesses must make sure that the claims:

- **Aren't misleading or likely to result in misinterpretation**
- Are accurate and specific: claims that broadly imply that a product is environmentally beneficial or benign must be accompanied by a statement that provides support.
- Are substantiated and verifiable: claims must be tested and all tests must be scientifically sound, conducted in good faith and documented.
- Are relevant: claims must be specific to a particular product, and used only in an appropriate context. Claims must also take into consideration all relevant aspects of the product's whole life cycle.
- **Don't imply that the product is endorsed by a third-party organization when it isn't**

January 23, 2017 — OTTAWA, ON — Competition Bureau

Yes. You are being greenwashed.

BBC NEWS

Canada warming twice as fast as the rest of the world, report says

The Ice in Iceland

Iceland is warming faster than most countries. Tom Heap gauges the impact on the landscape and the people. Can the rest of the world learn lessons from Iceland's experience?

LatestIn-depthJapan DataNewsGuideVideoSectionsPopular

Japan Warming Faster than the Global Average

The temperature in Japan is rising significantly faster than the global average.

DownToEarth

CLIMATE CHANGE

Himalayan meltdown: Hindu Kush Himalayan region warming faster than global average

U.S. West warming faster than rest of world: study

CLIMATE & ENERGY

f8

0

18

0

0

+

FEBRUARY 26, 2015

Russia's Coldest Region Warming Four Times Faster Than Rest of Globe

BY: PLANET EDITOR

ENVIRONMENT

Australia Is Heating Up Faster Than The Rest Of The World

Northern Canada is warming at three times the global average and will continue to get warmer, faster, a major report released on Monday concludes.

THINKPROGRESS

West Antarctica Warming Three Times Faster Than Global Average, Threatening To Destabilize This Unstable Ice Sheet

THINKPROGRESS

POPULAR SCIENCE

ENVIRONMENT

Australia Is Heating Up Faster Than The Rest Of The World

Like a shrimp on the barbie

Spain warming faster than rest of northern hemisphere: study

April 13, 2010

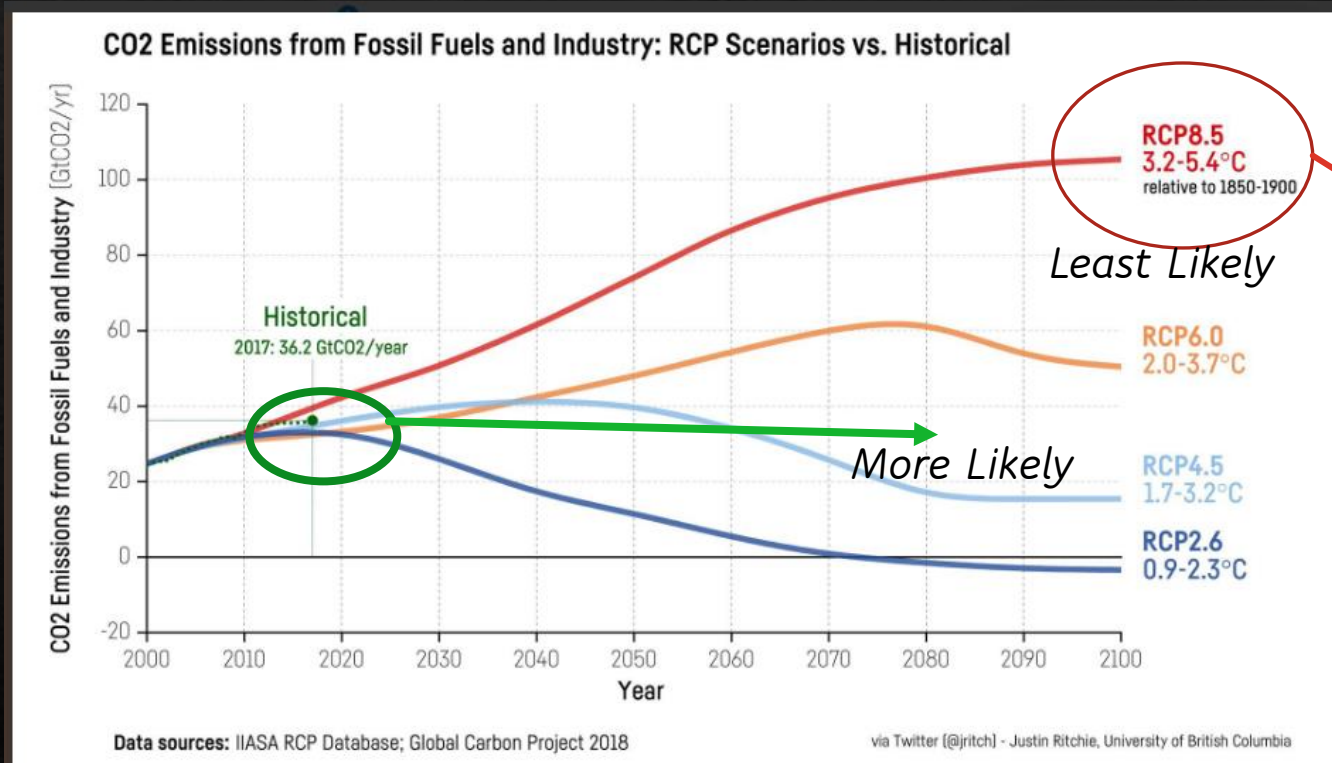
MOUNTAINS ARE WARMING TWICE AS FAST AS THE REST OF THE WORLD

It is mathematically impossible that every place in the world is warming faster than the average.

Flaw of Averages

Models are run based on these 4 scenarios. The most catastrophic, least likely RCP8.5 is favoured by climate scholars.

Canadian climate modellers love the RCP8.5. The public generally have no idea this is the worst case/least likely scenario and that such averaging renders these useless for policy-making.



Climate Atlas
of Canada

MAP TOPICS

Sensitivity of extremes

A seemingly small change in a location's climate (for example, its mean temperature) can result in shockingly large changes in the number of extreme events (such as the number of +30 °C days). Why is this?

Extremes are, by definition, rare. Most of the time, the climate hovers close to the average. But as the climate warms, the 'new average' moves closer to the old threshold for what was considered an "extreme" event—meaning many more days now risk being counted as extreme.

As an example, consider the following table which highlights just two of the 24 climate models used in the Atlas:

Scenario: RCP8.5 ("High Carbon")

Location: Winnipeg, Manitoba

Future Period: 2051-2080

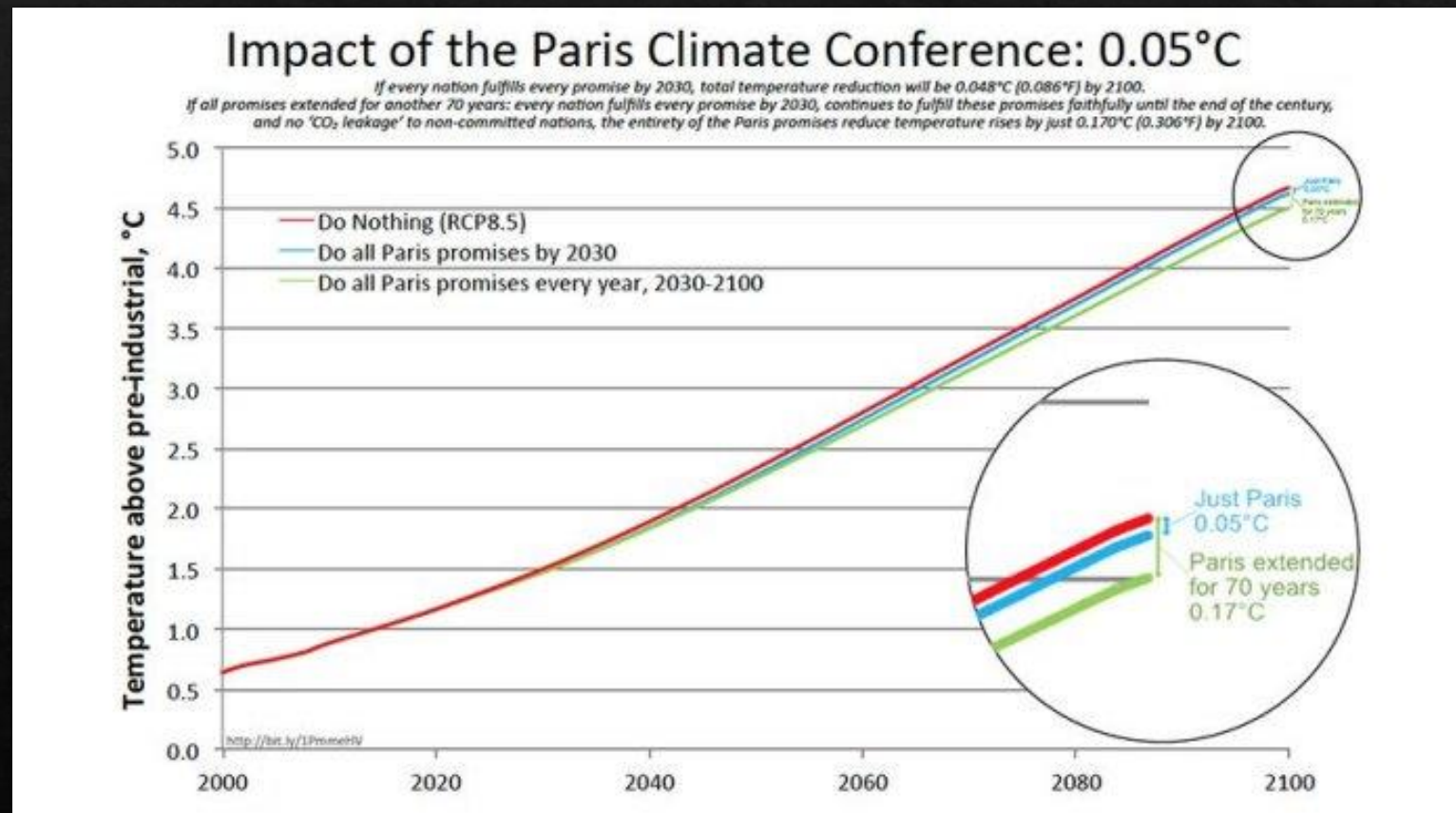
Model	Increase in average annual temperature	Increase in average number of +30 °C days per year
GFDL-ESM2M	+2.6 °C	+13
bcc-csm1-1	+4.4 °C	+33

Both of these models agree that the average annual temperature in Winnipeg will increase under this scenario; however, they disagree on the magnitude of the change. The seemingly small difference in the projected mean temperature—a difference of only 1.8 °C—results in a very large difference in the number of very hot days for this location. The bcc-csm1-1 model projects that Winnipeg will experience an additional month of these very hot days, more than double the number projected by the other model. This dramatic rise in extremes is a direct result of a relatively small shift in the mean value.

Catastrophic climate predictions come from the use of the Representative Concentration Pathway scenario RCP8.5, which uses parameters that most mainstream climate scientists reject as completely unrealistic. These 'hot' findings are often 'averaged' to arrive at completely useless numbers that are frightening to politicians, the public and policymakers. <https://issues.org/opening-up-the-climate-policy-envelope/>

https://friendsofscience.org/assets/documents/Actuaries_Misguided_Oct_06_2019_FINAL.pdf

Bjorn Lomborg has found that if all countries met Paris Agreement targets, there would be virtually no reduction in global warming



The 2 ° Celsius target was arbitrarily set by an economist 40 years ago

FOREIGN AFFAIRS

Magazine ▾

Regions ▾

Topics ▾

Collections ▾

Book Reviews ▾

More ▾

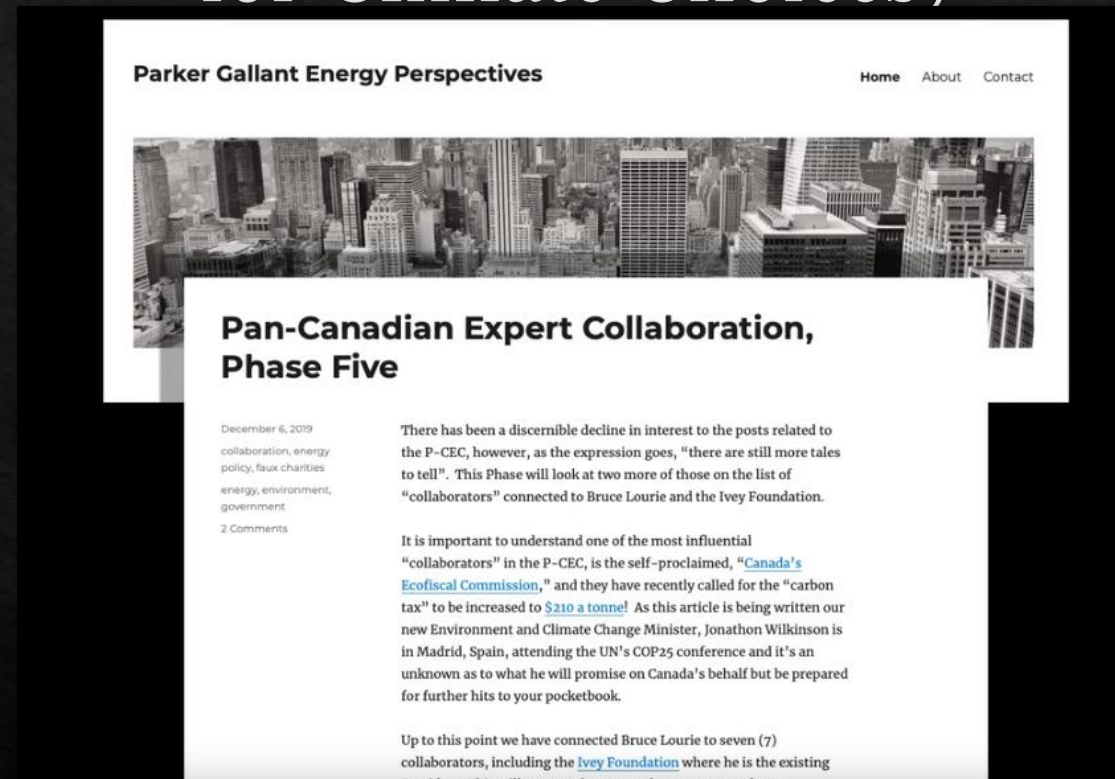
AN ARBITRARY TARGET

My uncle, the Yale University economist William Nordhaus, is widely credited with being the first person to propose that climate policy should strive to limit anthropogenic global warming to two degrees above preindustrial temperatures. He didn't arrive at that conclusion through any sort of elaborate climate modeling or cost-benefit analysis. Rather, he considered the very limited evidence of long-term climate variance available at that time and concluded that a two-degree increase would take global temperatures outside the range experienced by human societies for the previous several thousand years and probably much longer. The standard was, by his own admission, arbitrary.

Why the 2 degree C target is a delusion

<https://www.foreignaffairs.com/articles/world/2018-02-08/two-degree-delusion>

Conflicts of Interest Abound in Canadian Carbon Pricing Policy Pushers – like Ecofiscal (Now Canadians Institute for Climate Choices)




Please read Parker Gallant's 5 part series on the Conflicts of Interest and abuse of tax-subsidized charities and foundations to push a partisan narrative to advocate for carbon price laws.

<https://parkergallantenergyperspectivesblog.wordpress.com/2019/12/06/pan-canadian-expert-collaboration-phase-five/>

Carbon Pricing is Ineffective in Emissions Reduction

 **Energy Policy**
Volume 32, Issue 4, March 2004, Pages 493-505

Greenhouse gas emissions in Norway: do carbon taxes work?

Annegrete Bruvoll , Bodil Merethe Larsen

 Show more

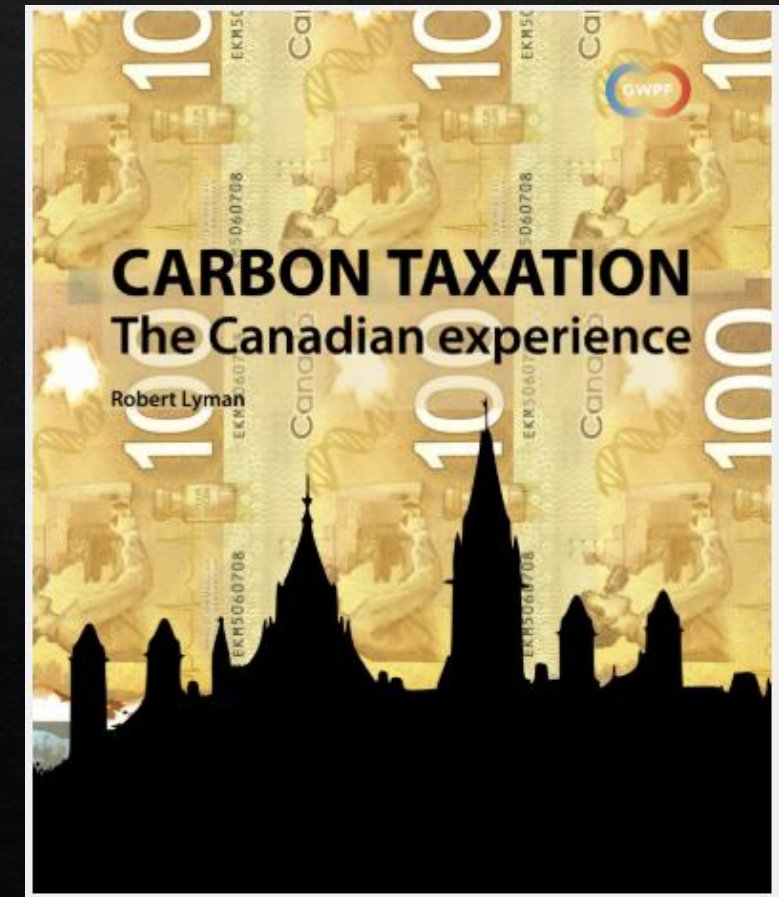
[https://doi.org/10.1016/S0301-4215\(03\)00151-4](https://doi.org/10.1016/S0301-4215(03)00151-4) [Get rights and content](#)

Abstract

During the last decade, Norway has carried out an ambitious climate policy. The main policy tool is a relatively high carbon tax, which was implemented already in 1991. Data for the development in CO₂ emissions since then provide a unique opportunity to evaluate carbon taxes as a policy tool. To reveal the driving forces behind the changes in the three most important climate gases, CO₂, methane and N₂O in the period 1990–1999, we decompose the actually observed emissions changes, and use an applied general equilibrium simulation to look into the specific effect of carbon taxes. Although total emissions have increased, we find a significant reduction in emissions per unit of GDP over the period due to reduced energy intensity, changes in the energy mix and reduced process emissions. Despite considerable taxes and price increases for some fuel-types, the carbon tax effect has been modest. While the partial effect from lower energy intensity and energy mix changes was a reduction in CO₂ emissions of 14 percent, the carbon taxes contributed to only 2 percent reduction. This relatively small effect relates to extensive tax exemptions and relatively inelastic demand in the sectors in which the tax is actually implemented.

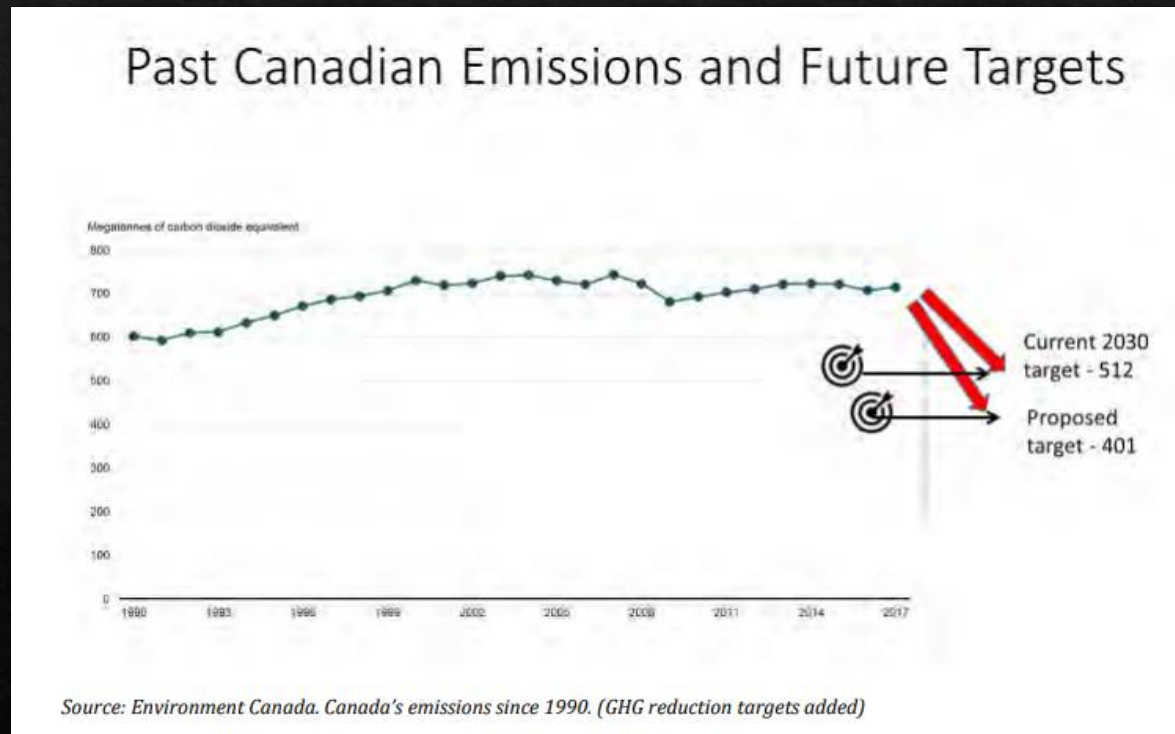
Norway instituted a stiff carbon tax in the 1990s which had only a nominal 2% reduction on emissions.

Canada has >600 GHG reduction regulations/efficiency incentives. These are effectively 'carbon tax' equivalents. Emissions have remained stable for the past 40 years.



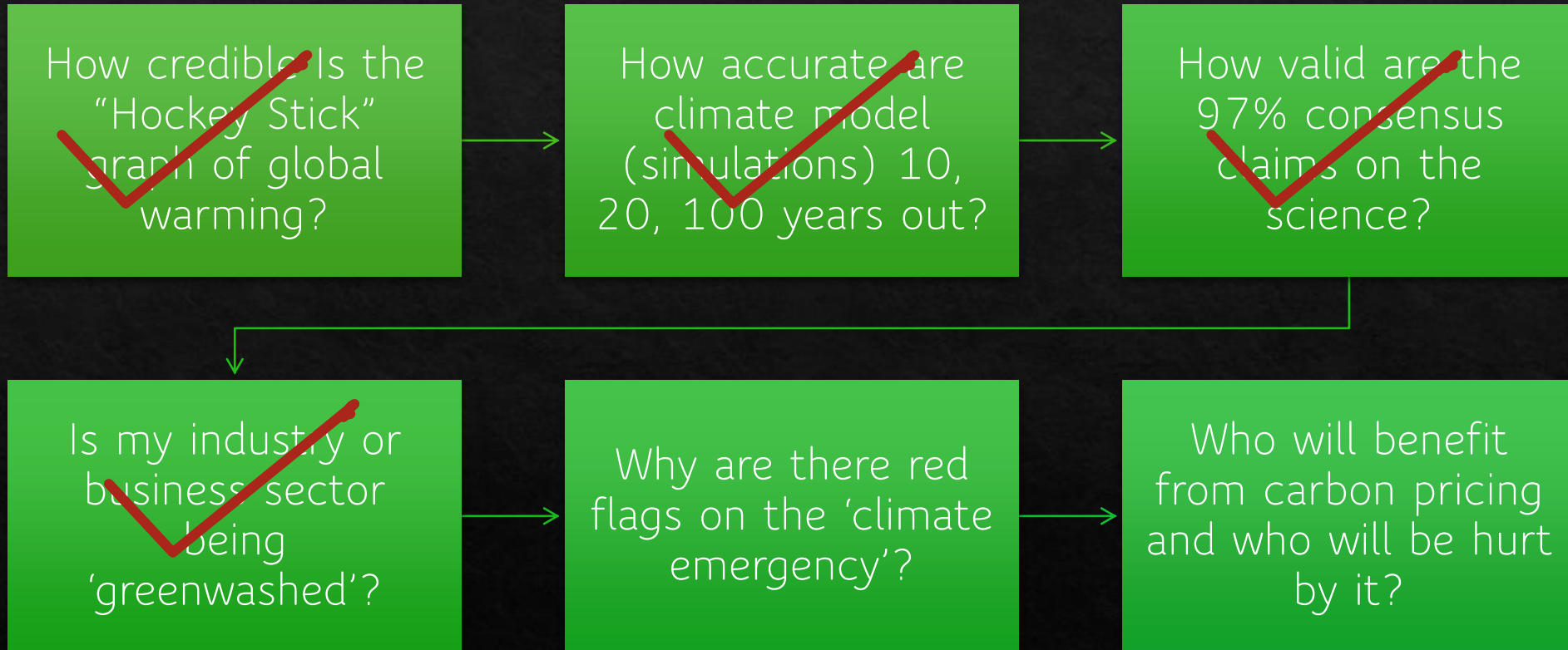
<https://www.thegwpf.org/canadas-carbon-taxation-its-worse-than-thought/>

Enviro Groups Like Ecojustice Have Succeeded in Making Voluntary Paris Emission Targets into Law. This will destroy Canada



Carbon dioxide (CO₂) is not deemed to be a significant driver of global warming anymore. A carbon tax is unnecessary and an impediment to the Canadian economy. <https://notrickszone.com/2018/12/10/the-list-grows-now-85-scientific-papers-assert-co2-has-a-minuscule-effect-on-the-climate/>

6 Questions on Climate Change



Why are there red flags all over the climate movement?

Red Flags of Investing Fraud



We would all like to find a great investment that guarantees financial security, but unfortunately some offers are just too good to be true.

If an investment you're interested in sounds like any of the ones below, STOP! The investment might be a scam.

GUARANTEED HIGH RETURNS - NO RISK!

There is no such thing! No one can offer you a guarantee – all investing involves some level of risk. Usually, the higher the returns, the higher the risk. Do your homework - research advertised investment opportunities to lessen the risk of falling victim to a scam.

OFFSHORE INVESTMENT – TAX FREE!

You can sometimes defer paying taxes, but you can't avoid them. This type of deal is often pitched as a secret, and for reasons you might not expect. By asking you to keep the deal to yourself, scam artists know you won't have to answer hard questions from family, friends or financial advisers who might see through the scam. If you are persuaded to send your money overseas, it may be difficult, if not impossible to get back if something goes wrong.

GREAT INVESTMENT OPPORTUNITY – YOUR FRIENDS CAN'T BE WRONG!

Yes they can! Many investment fraud victims are introduced to the scam by family, friends or co-workers. This approach relies on the trust you place in your friends and the fear of missing out on a "too good to be true" opportunity. Scam artists target religious, ethnic, or close-knit groups by working their way into organizations and befriending members in order to rip them off. This is often referred to as "affinity fraud". Always check out any individual or company offering you an investment opportunity.

INSIDER TIPS - PROFIT LIKE THE EXPERTS!

These scams are pitched as opportunities known only to a select few who are said to be making a lot of money. The scam artist convinces you that he or she has access to this inside information that the general public does not have. You might be invited to a seminar where salespeople make misleading claims about a secret or exclusive technique for building wealth. Look carefully at what exactly is being offered and conduct a background check with the ASC to find out if there has been any disciplinary action or enforcement action taken against the company and/or individual, and if they are registered.

DON'T MISS THIS OPPORTUNITY - GET IN NOW!

Scam artists use this tactic to pressure you into making a quick decision and try to exploit your fear of missing out on a valuable opportunity. Take the time you need to research any investment opportunity and get independent third-party advice.

Still unsure about an investment opportunity? Consult a registered financial adviser or obtain independent legal advice before making a decision. Check First and do more research using the resources of the Alberta Securities Commission:

- www.albertasecurities.com
- ASC Public Inquiries: 1-877-355-4488 or inquiries@asc.ca

Alberta Securities Commission, Suite 600, 250–5th St. SW Calgary, Alberta, T2P 0R4 | 403.297.6454



Competition Bureau: Protect your business from fraud

- ◆ Unfortunately, most presentations in the climate/carbon pricing world exhibit strong similarities to characteristics associated with scammers and fraud:
 - ◆ They pretend to be someone the business would trust. *[Proxies pushing climate and carbon policies use names like 'institute', 'commission', 'smart', 'green'.]*
 - ◆ They create a sense of urgency. *['Climate emergency', 'climate crisis'.]*
 - ◆ They fly under the radar, slipping through normal business processes undetected. *[Many of these organizations are operated as federally registered charities, crowned with the halo of 'doing good' – yet they are technically forbidden to engage in partisan activities to change any law. So you and your business are financially subsidizing them while they foist on you damaging and ineffective policies.]*
 - ◆ They use intimidation and fear. *['Don't you care about your children?'; we only have 12 years left; you only care about money; you greedy profiteer! etc.]*
 - ◆ They entice business representatives with promises of amazing deals. *[Thirty trillion-dollar opportunity in the climate crisis.]*

Competition Bureau: Recognize, Reject and Report Fraud

- ◆ Social engineering plays a huge role in how scammers perpetrate fraud. It's all about manipulating people into revealing confidential or personal information or taking actions that lead to them being victimized by fraud. See the parallels to climate and carbon price policy advocates.
- ◆ Social engineering relies heavily on individuals being persuaded based on feelings of:
 - ◆ reciprocity (returning a 'favour'), *[We must do 'our part' and be a 'climate leader']*
 - ◆ commitment and consistency (honoring a prior 'commitment'), *[Kyoto, Copenhagen, Paris Agreement]*
 - ◆ social proof (following what others do), *[Every country signed Paris Agreement]*
 - ◆ authority (obeying authority figures), *[97% consensus of scientists- the science is settled]*
 - ◆ liking (being persuaded by someone who is liked), *[Use of celebrities or naming/shaming you as 'denier']*
 - ◆ scarcity (a perceived shortage generates demand). *[World will not have enough food/resources to support growing population; things are dire - "Factfulness" by Hans Rosling shows this to be **false**]*
- ◆ It's important to be aware of these very common human tendencies that fraudsters exploit to achieve their ends.

<https://www.competitionbureau.gc.ca/eic/site/cb-bc.nsf/eng/04413.html>

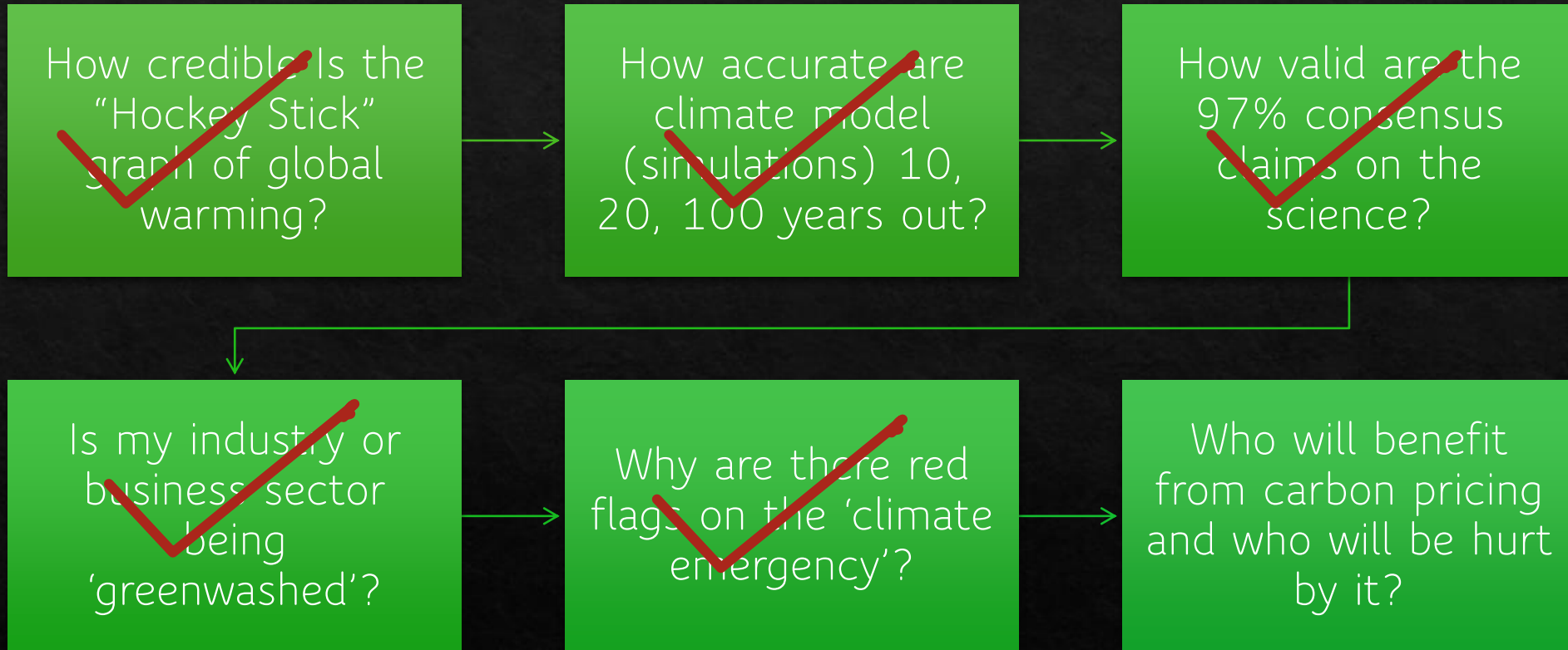
Extortion: “Firms ignoring climate crisis will go bankrupt, says Mark Carney”

- ❖ “Companies and industries that are not moving towards zero-carbon emissions will be punished by investors and go bankrupt, the governor of the [Bank of England](#) has warned.”
- ❖ Mark Carney’s 2015 presentation to Lloyd’s of London on the ‘climate crisis’ has been shown to be a ‘failure of analysis’ by analyst Steve Kopits. <http://www.prienga.com/blog/2015/10/9/fact-checking-mark-carneys-climate-claims> Carney spent 13 years with Goldman Sachs. Is he objective?



<https://www.theguardian.com/environment/2019/oct/13/firms-ignoring-climate-crisis-bankrupt-mark-carney-bank-england-governor>

6 Questions on Climate Change



Who will benefit from carbon pricing and who will be hurt by it? Transnational firms, hedge funds, Wall Street, banks may benefit.

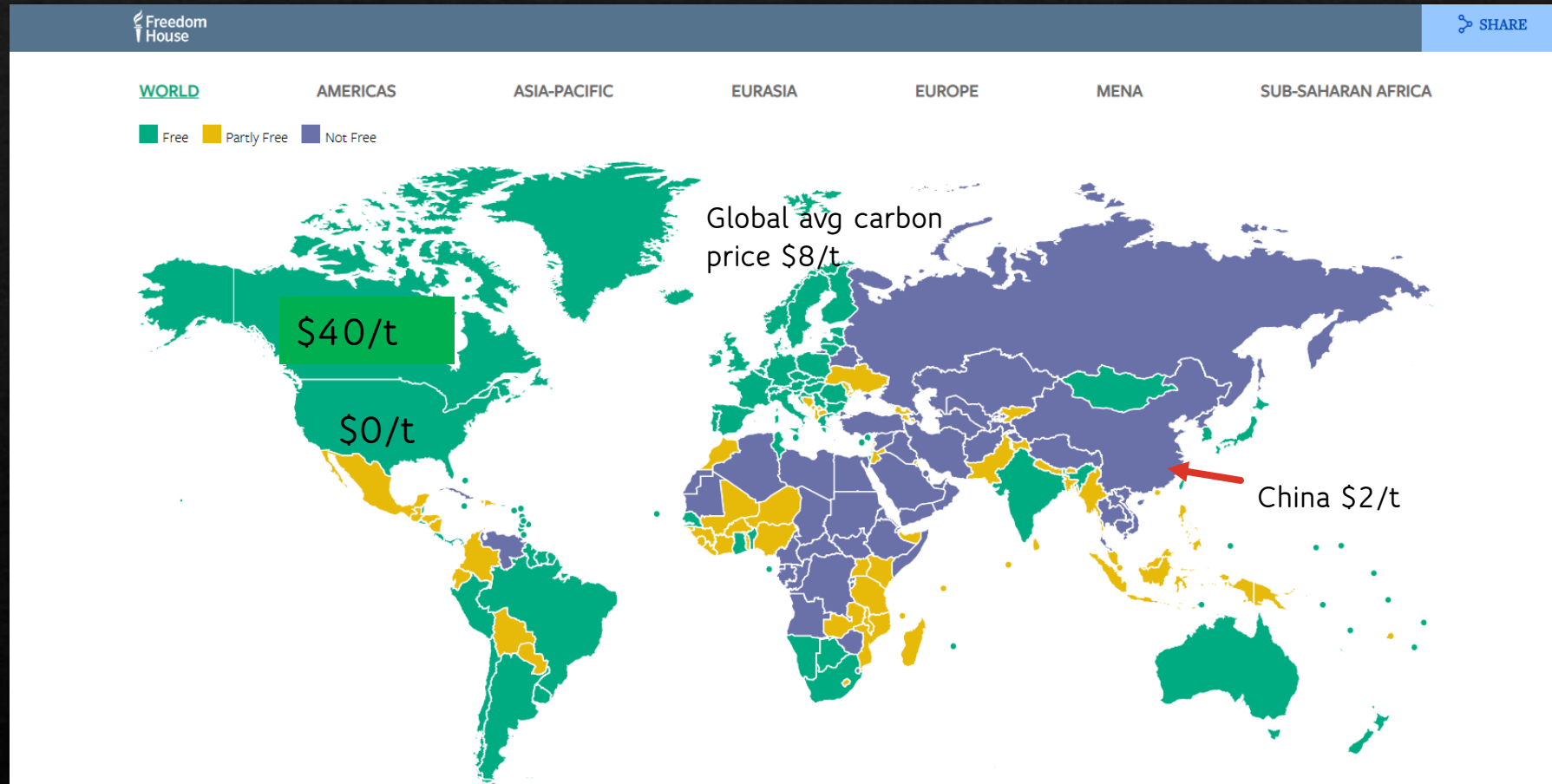


You will be hurt by carbon pricing. You will pay.

- ❖ Small, medium-sized and large domestic corporations and consumers will bear the brunt of carbon taxes as all goods and services will have 'compound' carbon taxes added on.
- ❖ Canada is a vast, cold, sparsely populated country where there are few efficiencies of volume and many materials and supplies must be imported/raw materials or manufactured goods exported. Canadian firms will not be competitive.
- ❖ Canadian fuel taxes already amount to a \$192/t carbon tax equivalent before April 1, 2020.



The Global Carbon Price Average is \$8/t, China \$2/t, USA \$0/t, Canada \$40/t



Canada made a Climate Deal with France to Push Carbon Neutrality; France has threatened the USA - Canada's largest trading partner



JUSTIN TRUDEAU, PRIME MINISTER OF CANADA

NEWS PHOTOS & VIDEOS JUSTIN TRUDEAU

Home » Backgrounders » Canada - France Climate and Environment Partnership

Canada - France Climate and Environment Partnership

April 16, 2018
Paris, France

Canada and France share a commitment to safeguard the planet and the future of the generations to come. Together we will accelerate climate action and work together towards a clean and prosperous future. We recognize that the Paris Agreement is irreversible and we are committed to its full and effective implementation. We support the Paris agreement temperature goal of holding the increase to well below 2 degrees Celsius and pursuing efforts to limit the increase to 1.5 degrees. We also recognize that common rules for all Parties, with particular reference to the transparency framework and mitigation guidance, are essential to ensure the effective implementation of the Paris Agreement provisions. We are also firmly committed to gender equality and the empowerment of women. Women and girls are part of the fight against climate change and the energy transition.

The Pan-Canadian Framework on Clean Growth and Climate Change, adopted on December 9, 2016, is Canada's plan — developed with provinces and territories and through engagement with Indigenous Peoples — to meet its emissions reduction target under the Paris Agreement, build climate resilience, and grow the economy. Canada's target is to reduce its emissions to 30 percent below 2005 levels, by 2030. Canada has its long-term, low carbon development strategy looking at pathways to 2050, which it launched at CoP22 in November 2016.

On 6 July 2017, the French government adopted its Climate Plan to accelerate the energy transition and the implementation of the Paris agreement. This Climate Plan sets a new course to achieve carbon neutrality by 2050, reduces France's dependence on fossil fuels and promotes an inclusive approach.

To build on these decisions, Canada and France will collaborate to promote and quickly implement the Paris Agreement. To this end, our countries are committed to the following partnership: (See [Annex](#) for specific initiatives)

About us ▾ Contact us Sponsors Subscribe

 **CLIMATE HOME NEWS** Support C

Home Politics **World** Energy Finance Technology Science Opinion Sponsored

US China India EU Africa South America Middle East Asia Pacific

France to Trump: 'No Paris Agreement, no EU trade agreement'

Published on 02/02/2018, 9:43am

French foreign minister says the US "should know what to expect" if it leaves international climate pact and seeks a trade deal with Europe

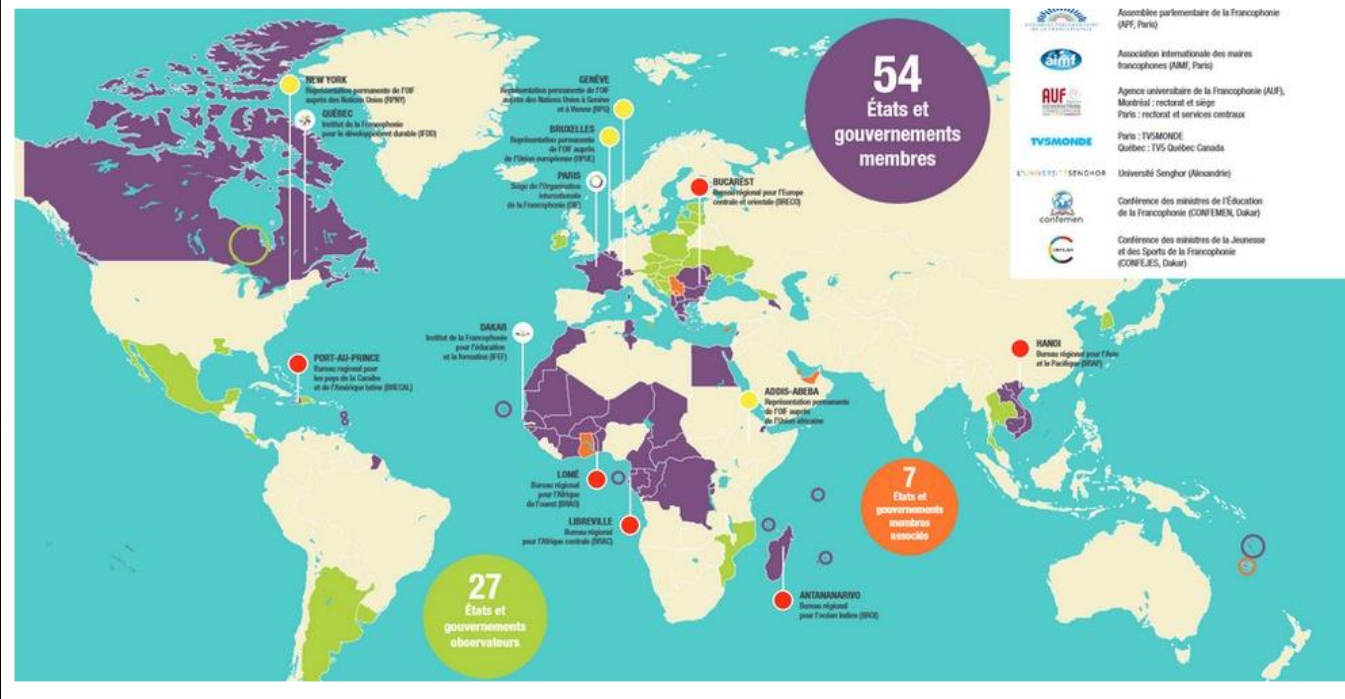


<https://pm.gc.ca/en/news/backgrounders/2018/04/16/canada-france-climate-and-environment-partnership>

Canada is part of La Francophonie

- a huge UN Voting Block; many nations may be anxious to receive “Green Climate Fund” reparations \$\$

88 ÉTATS ET GOUVERNEMENTS



The Green Climate Fund is meant to be a \$100 BILLION/year fund to be paid by OECD nations to ‘developing’ ones.

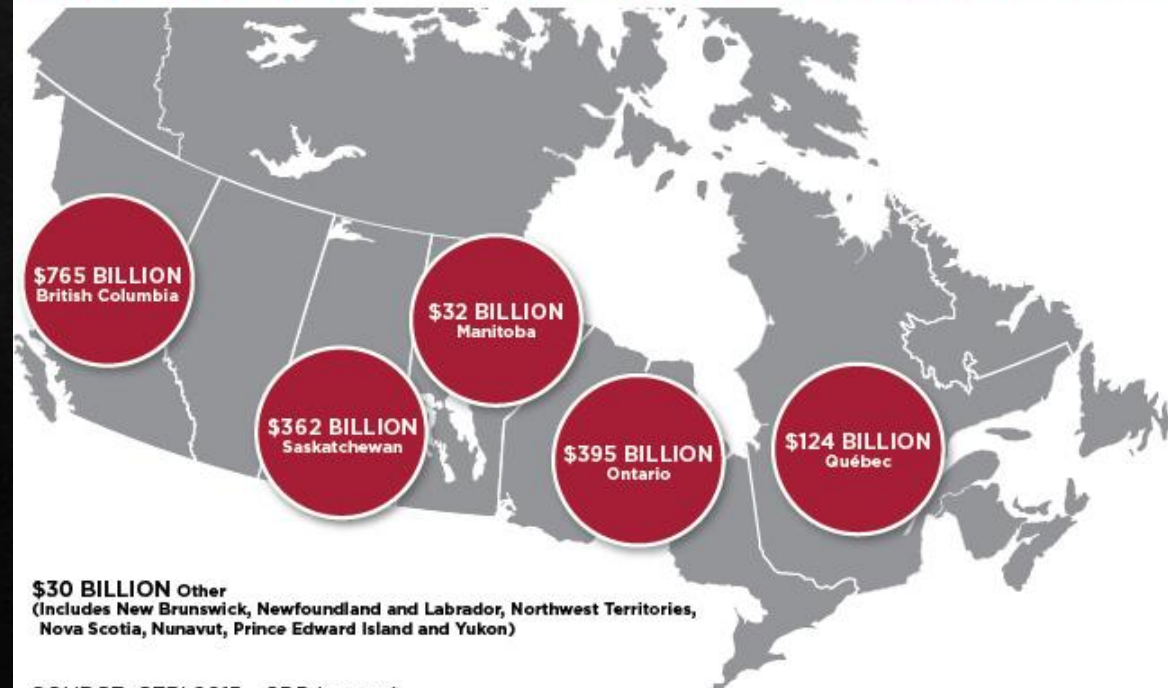
Countries with some of the highest Gross Domestic Products (GDP) in the world like China (\$11.8 trillion in 2017, according to the IMF), India (\$2.5 trillion), Brazil (\$2.1 trillion), Korea (\$1.5 trillion) and Indonesia (\$1.0 trillion) not only do not contribute to the GCF but also qualify as recipients. The countries with some of the highest per capita incomes in the world, such as Singapore (\$85,382), Kuwait (\$74,600), the United Arab Emirates (\$70,000), and Saudi Arabia (\$53,900) do not contribute. Greece, a country wallowing in debt, is required to pay.

There are no reporting or accountability requirements.

Carbon Pricing will destroy Canada's Oil+Gas Industries

- Meanwhile France imports Oil+Gas from Despot Nations which are Competitors to Canadian Product

ECONOMIC IMPACT OF THE OIL AND NATURAL GAS INDUSTRY TO THE CANADIAN ECONOMY



SOURCE: CERI 2015 - GDP Impact*

*The economic impact to provinces, with the exception of Alberta, over the next 30 years.

statista

Prices & Access

Statistics

Reports

Outlooks

Tools

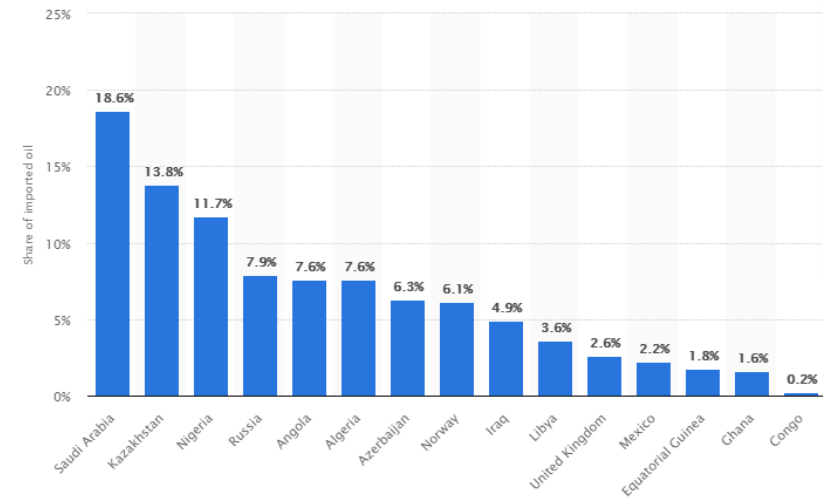
Infographics

Services

Global Survey

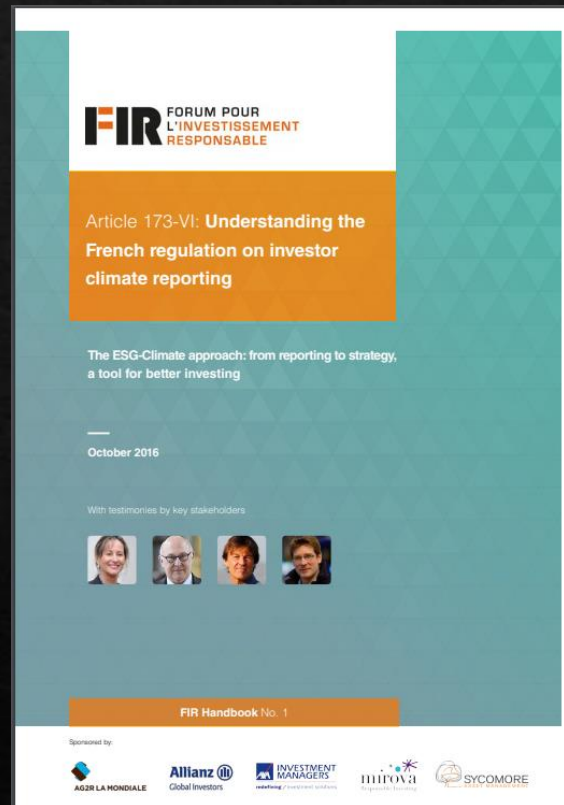
Chemicals & Resources > Fossil Fuels

Import distribution of crude oil to France in 2015, by country



© Statista 2019

France has a 2° Celsius Law on Investments



In trade of services, France was Canada's fourth largest global partner and the second largest in Europe in 2018. Bilateral trade in services stabilized at \$6.7 billion. Canada is a net importer of French services (\$46 million).

Nearly 250 French subsidiaries of Canadian companies, employing approximately 25,000 people², are spread across the French territory. Major companies are present, such as *Bombardier, Boralex, CGI, Innergex, Magna, McCain, Mitel-Aastra, OpenText, Vermilion*. Many are among the leaders in their sector. France, as a country of immediate destination³ for Canadian direct investment abroad, is the sixth European destination and the twentieth world- wide, with a stock of \$7.4 billion at the end of 2018, up 9.5% on 2017.

Canada-US Trade Facts



CANADA-U.S. TRADE FACTS



THE CANADIAN
CHAMBER
OF COMMERCE

LA CHAMBRE
DE COMMERCE
DU CANADA

Canada is the U.S.'s **2nd-largest trading partner.**

U.S. goods and services trade with Canada totaled an estimated **US\$627.8 billion** in 2016.



Exports = US\$320.1 billion



Imports = US\$307.6 billion

Canada is the U.S.'s **largest export market.**

In 2016, Canada bought:



US\$48 billion
of cars and trucks



US\$64 billion
of machinery and equipment and



US\$23 billion
in agricultural products from the U.S.

Canada-US trade is >100 times greater value than that with France. While all trade partners are important, clearly crucial evidence is being ignored to favour certain Canada-France based industries.



Over **nine million U.S. jobs** depend on trade and investment from Canada, and there are **600,000 Americans** working for Canadian-owned businesses in the U.S.



Canada is driving U.S. business growth as the **top source** of new foreign direct investment, pouring **US\$31 billion** of FDI into the U.S. annually.

American energy security depends on Canada as the **number one supplier** of:



crude oil



electricity



gasoline



uranium



natural gas



Tightly integrated North American supply chains make Canada and the U.S. **globally competitive.**

75% of Canada's exports go to the U.S., but just **57%** of them stay there.

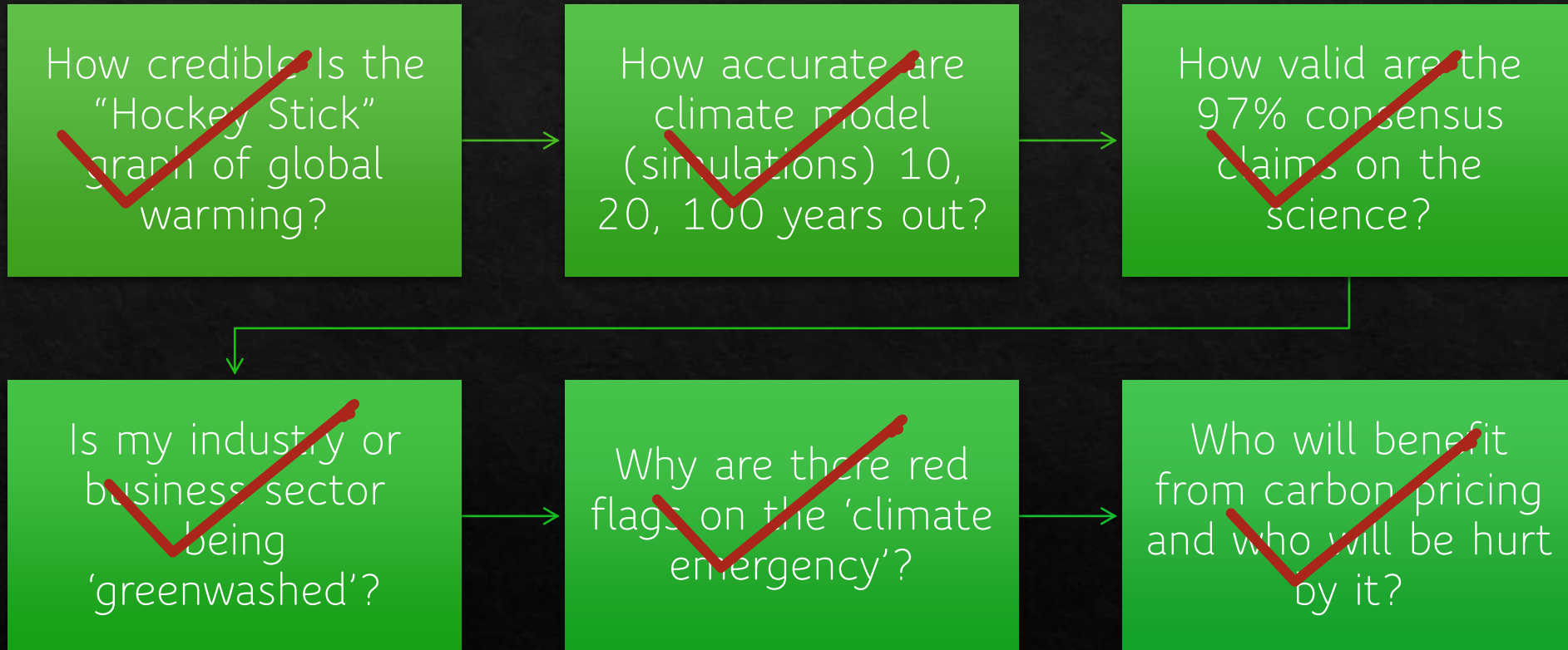
Carbon and Climate Policies are Ineffective+Disastrous

- ❖ Carbon pricing is another version of an old, frequently-failed idea. Carbon taxes were analyzed and rejected by Natural Resources Canada in the early 1990's.
- ❖ The announced goal of Canadian climate policy is to reduce national emissions by 30% from 2010 levels by 2030 and then to go on reducing them to perhaps 50% from 2010 levels by 2050. Emissions reductions of that magnitude will not be achieved at low or moderate carbon tax levels. The taxes would need to be high enough to shut down entire industries.
- ❖ It *will* cost families, so a carbon rebate or 'dividend' is offered to ease the financial pain. This is a case of bait and switch. By including a consumer rebate to a carbon tax measure, the government is trying to argue that it is achieving a social justice objective. If this were such a great idea, why has it not used the same approach with sales taxes or corporate income taxes i.e. raise the tax and then rebate the money to consumers, or better yet, **just lower everyone's income taxes?** .../con't

Carbon and Climate Policies are Ineffective+Disastrous

- ◆ The target groups – oil, natural gas, and coal producers and consumers – will be worse off by far; that is the whole point of the tax.
- ◆ Given the high degree of economic integration between Canada and the United States, it is abundantly clear that the competitiveness of Canadian firms, and their ability to attract investment in future, will suffer.
- ◆ The magnitude of the emissions reductions sought by 2030 and beyond are much, much higher than can be accomplished by efficiency improvements. **The effect will be to shut down whole segments of the economy, especially in resource-intensive regions.**
- ◆ The “bottom line” is that there is no need for Canada to reduce its emissions to the point at which it severely harms Canadians’ economy and standard of living. **Indeed, present climate policies, with their dire implications for western Canada, pose a threat to national unity far more serious than anything that has occurred since the debates over Quebec secession in the 1980’s and 1990’s.** Those considerations surely outweigh the benefits of making symbolic gestures that will have no real effect on global emissions or climate trends.

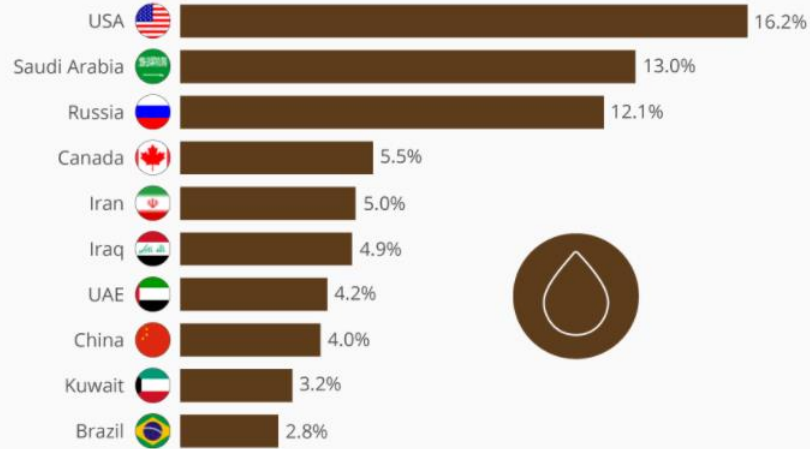
6 Questions on Climate Change - Answered



Canada is competing in the OILympics

The World's Biggest Oil Producers

Share of global oil production in 2018



Includes crude oil, shale oil, oil sands, condensates and natural gas liquids.
@StatistaCharts Source: BP

statista

PowerDVD



From CBC co-production "The Tipping Point: Age of the Oil Sands" (2011)

>\$100 bn in investment walked away in 2 yrs



<https://blog.friendsofscience.org/2020/03/20/prosperity-foregone-a-summary/>

Save Canada. Quit Paris. Build Pipelines.



Join our FREE
Upcoming
Events
and Learn More

Friends of Science Society 18th Annual Climate Science Event
Politicians Can't \$top Climate Change



Dr. Guus Berkhout
President CLINTEL

Climate Science:
Let the Data Speak

October 2, 2021
10:00AM MDT



FRIENDS
OF SCIENCE



Marc Morano
Author

Green New Deal:
The Great Regret

October 6, 2021
7:00PM MDT

Free Online Events
Presentation & Live Q&A

For More Information:
www.friendsofscience.org

Recorded events and PowerPoints are here:
<https://friendsofscience.org/index.php?id=2588>



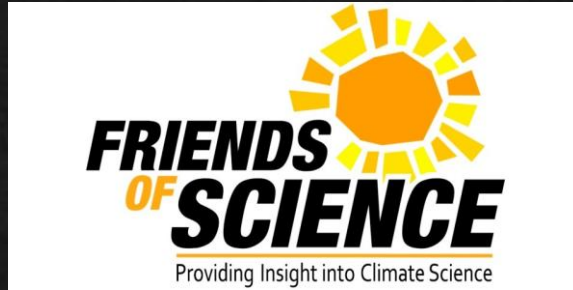
Climate - Change your Mind

Is it you? Is it really CO₂?



By NASA Goddard Space Flight Center [CC BY 2.0 (<http://creativecommons.org/licenses/by/2.0/>)], via Wikimedia Commons. Use does not imply endorsement.

Thank you.



<https://friendsofscience.org/index.php?id=160>

- ◆ About
- ◆ Friends of Science Society is an independent group of earth, atmospheric and solar scientists, engineers, and citizens that is celebrating its 19th year of offering climate science insights. After a thorough review of a broad spectrum of literature on climate change, Friends of Science Society has concluded that the sun is the main driver of climate change, not carbon dioxide (CO₂).
- ◆ Friends of Science Society
P.O. Box 23167, Mission P.O.
Calgary, Alberta
Canada T2S 3B1
Toll-free Telephone: 1-888-789-9597
Web: friendsofscience.org
E-mail: [contact\(at\)friendsofscience\(dot\)org](mailto:contact@friendsofscience.org)
Web: climatechange101.ca