

Climate Change and the Weightier Matters John Cook

Date: 3 August 2012

Meeting the challenge of change





As for Science versus Religion, I'm issuing a restraining order. Religion must stay 500 yards from Science at all times.





Skeptical Science

Getting skeptical about global warming skepticism

Resources



H	ome	Arguments	Software
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	Clima	te Myth	15 4
	Climate's	s changed before	5
- 2 - 3			6
4	There is	no consensus	
5	It's cooli	ng	7

Models are unreliable

Temp record is unreliable

Animals and plants can adapt

Global Warming & Climate Change Myths

Comments

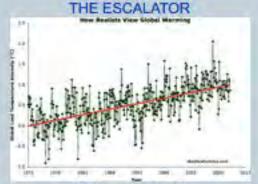
Here is a summary of global warming and climate change myths, sorted by recent popularity vs what science says. Click the response for a more detailed response. You can also view them sorted by taxonomy, by popularity, in a print-friendly version, with short URLs or with fixed numbers you can use for permanent references.

Translations

About

	Climate Myth vs	What the Science Says	
1	"Climate's changed before"	Climate reacts to whatever forces it to change at the time; humans are now the dominant forcing.	3
2	"It's the sun"	In the last 35 years of global warming, sun and climate have been going in opposite directions	3
3	"It's not bad"	Negative impacts of global warming on agriculture, health & environment far outweigh any positives.	3
4	"There is no consensus"	97% of climate experts agree humans are causing global warming.	3
5	"It's cooling"	The last decade 2000-2009 was the hottest on record.	3
6	"Models are unreliable"	Models successfully reproduce temperatures since 1900 globally, by land, in the air and the ocean.	3
7	"Temp record is unreliable"	The warming trend is the same in rural and urban areas, measured by thermometers and satellites.	3
8	"Animals and plants can	Global warming will cause mass extinctions of	5





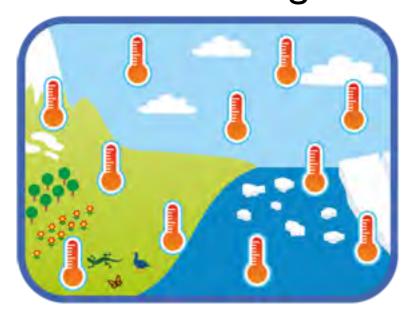
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THE DEBUNKING HANDBOOK



5 Key Facts About Climate Change

It's warming



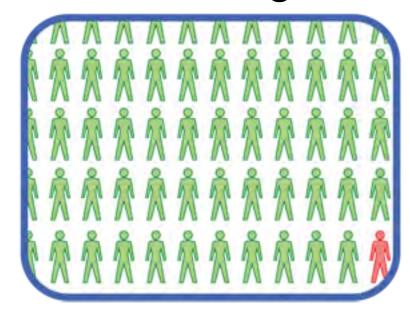
We're causing it



Impacts are serious



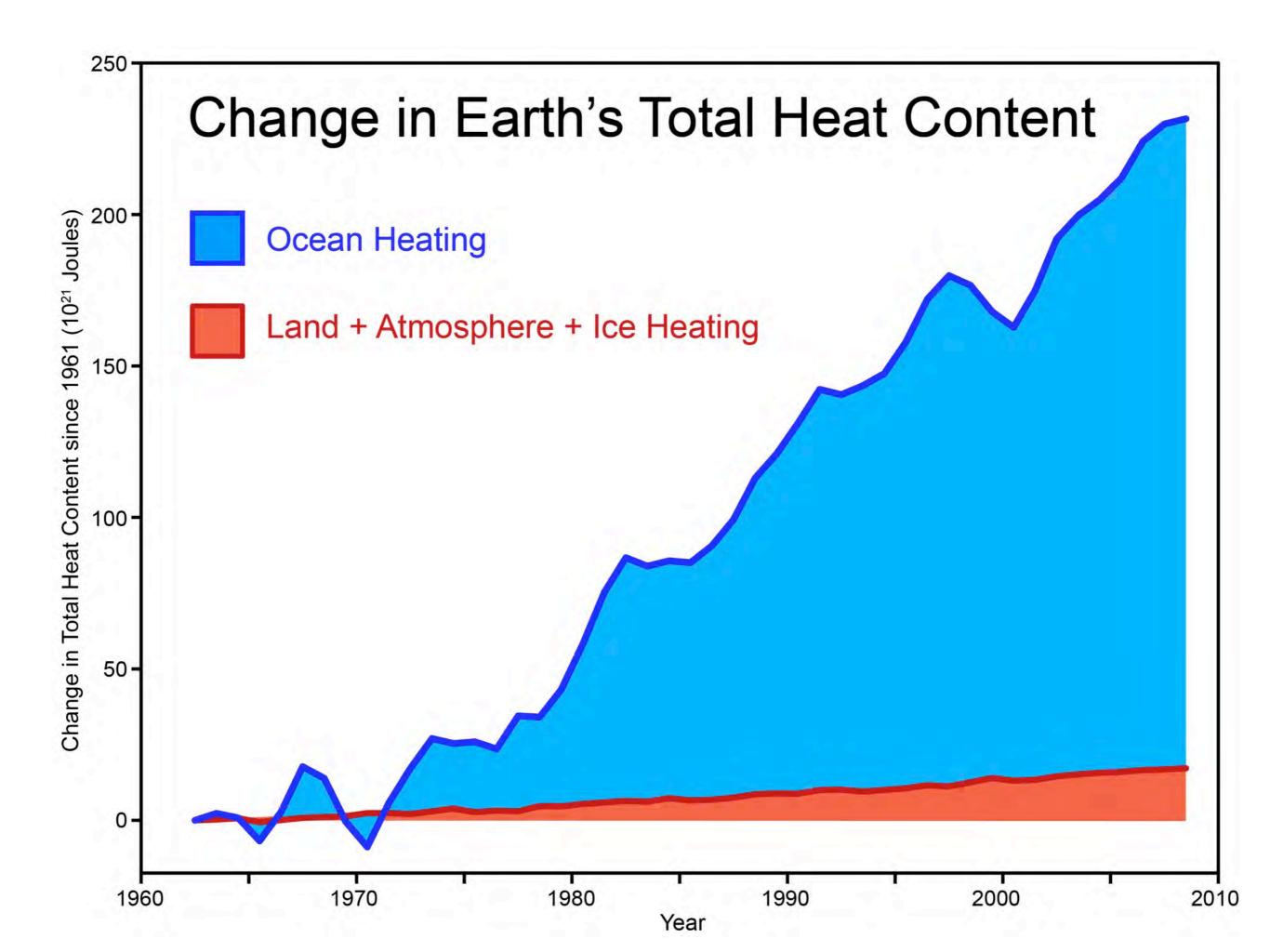
Scientists agree



We can fix it

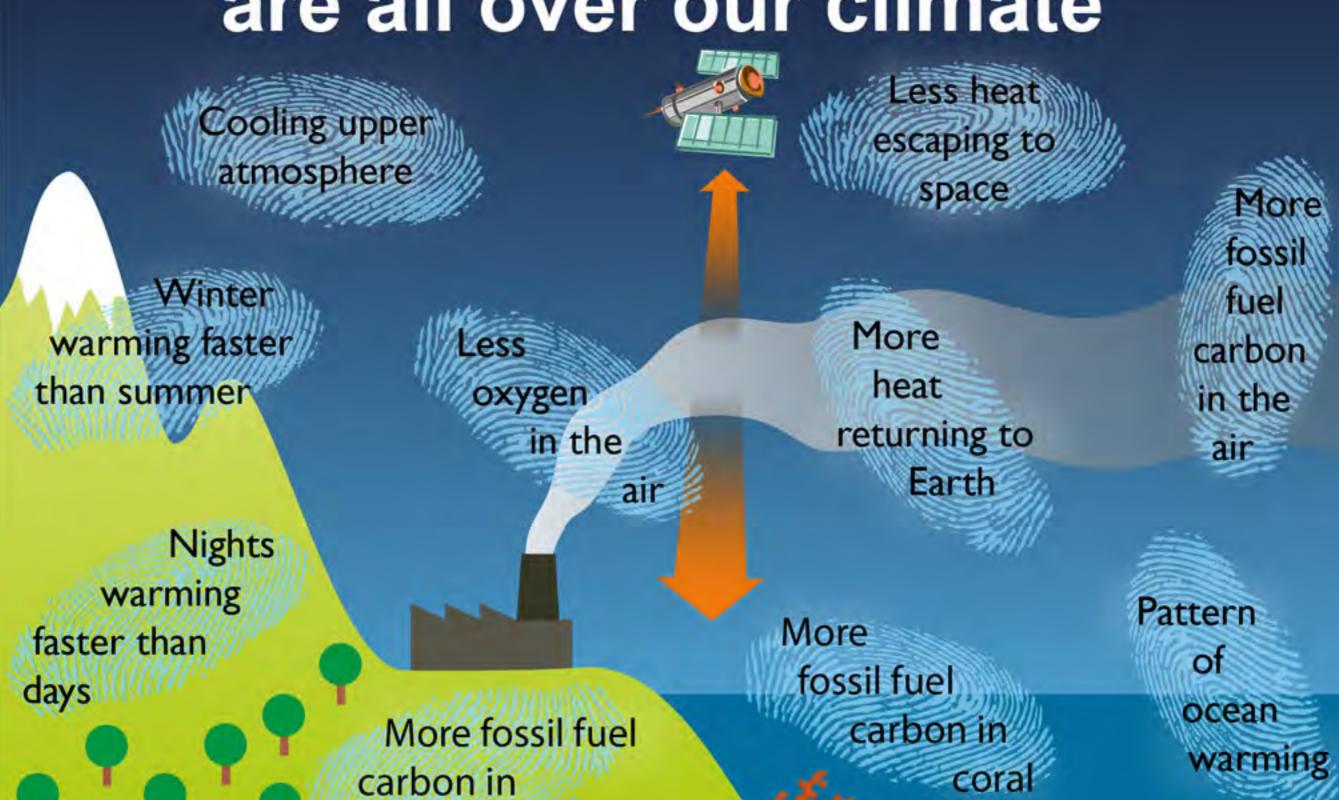


Thousands of natural thermometers find warming Glaciers Humidity Temperature Over Oceans Snow Cover Temperature Over Land Sea Level Tree-lines shifting poleward and upward Ice Sheets Spring coming earlier Sea Ice Species breeding earlier Ocean Warming Species migrating poleward and upward Permafrost retreating poleward

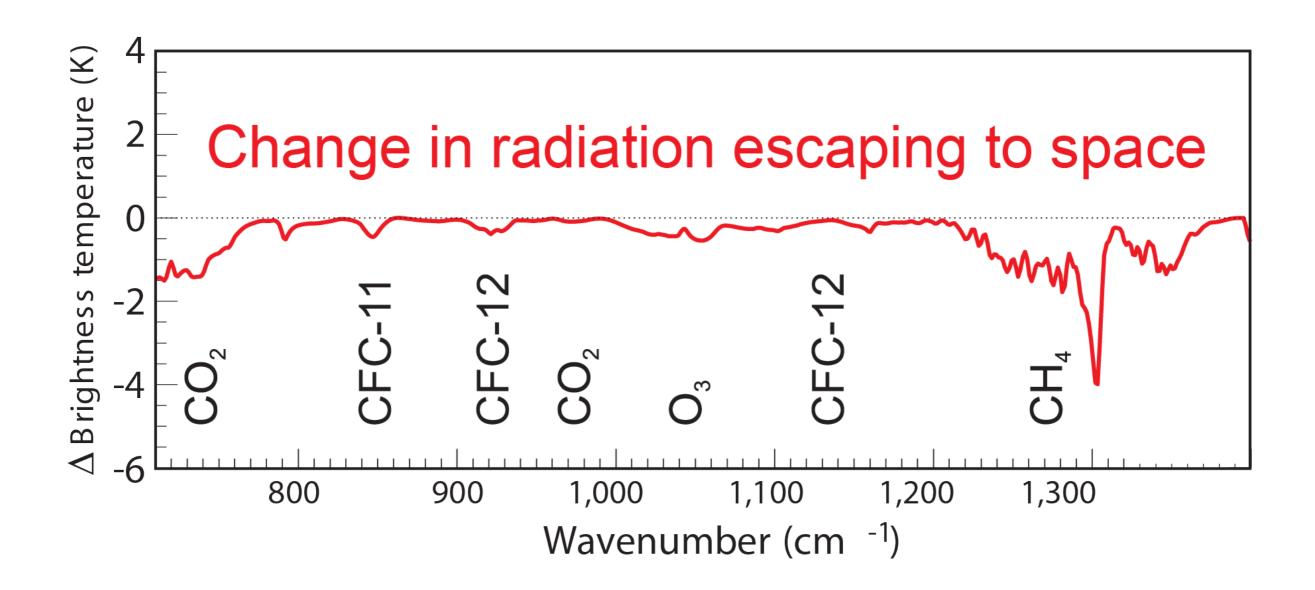


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Human fingerprints are all over our climate



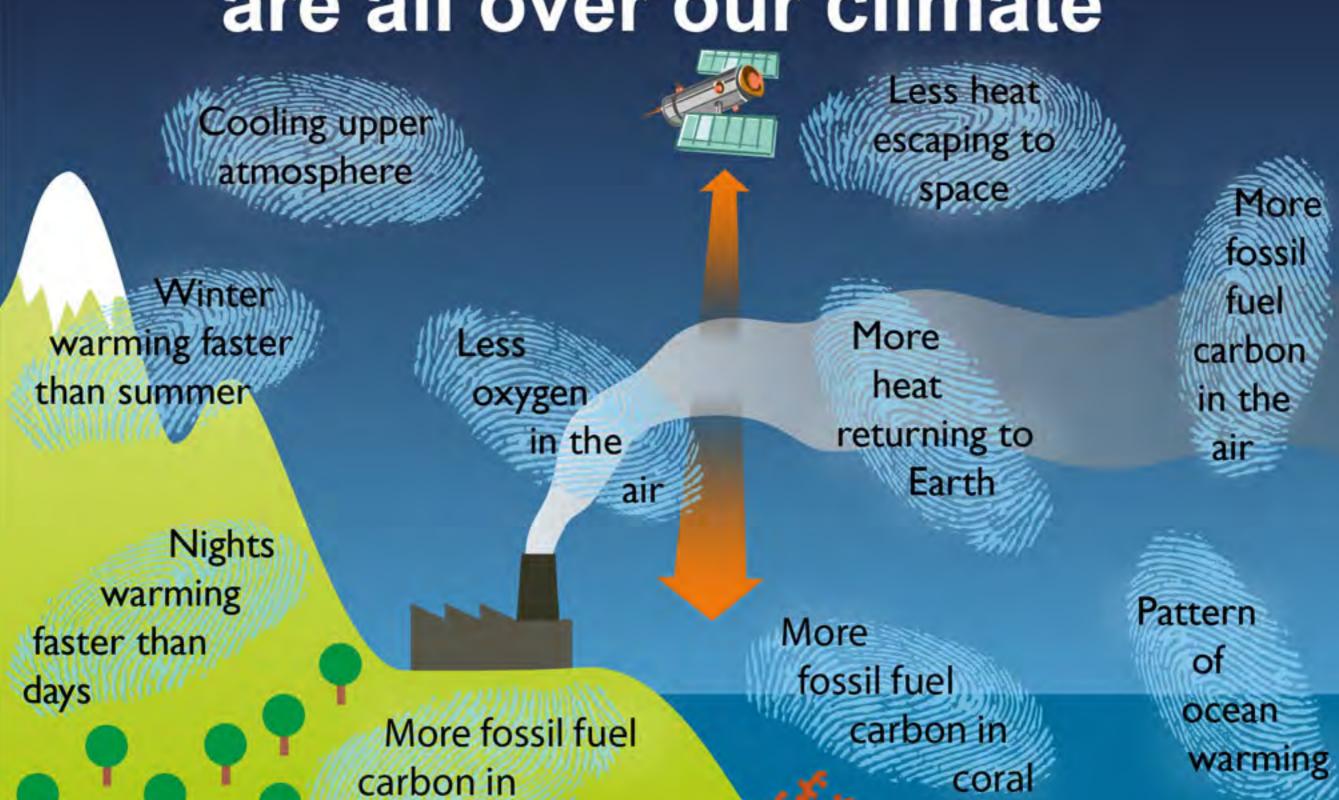
trees



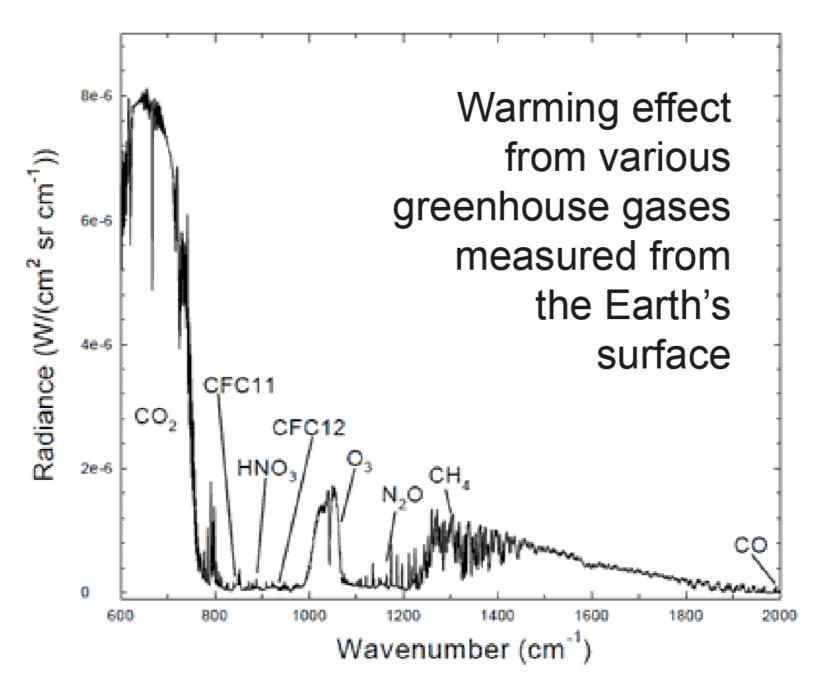
"...direct experimental evidence for a significant increase in the Earth's greenhouse effect."

HARRIES ET AL 2001

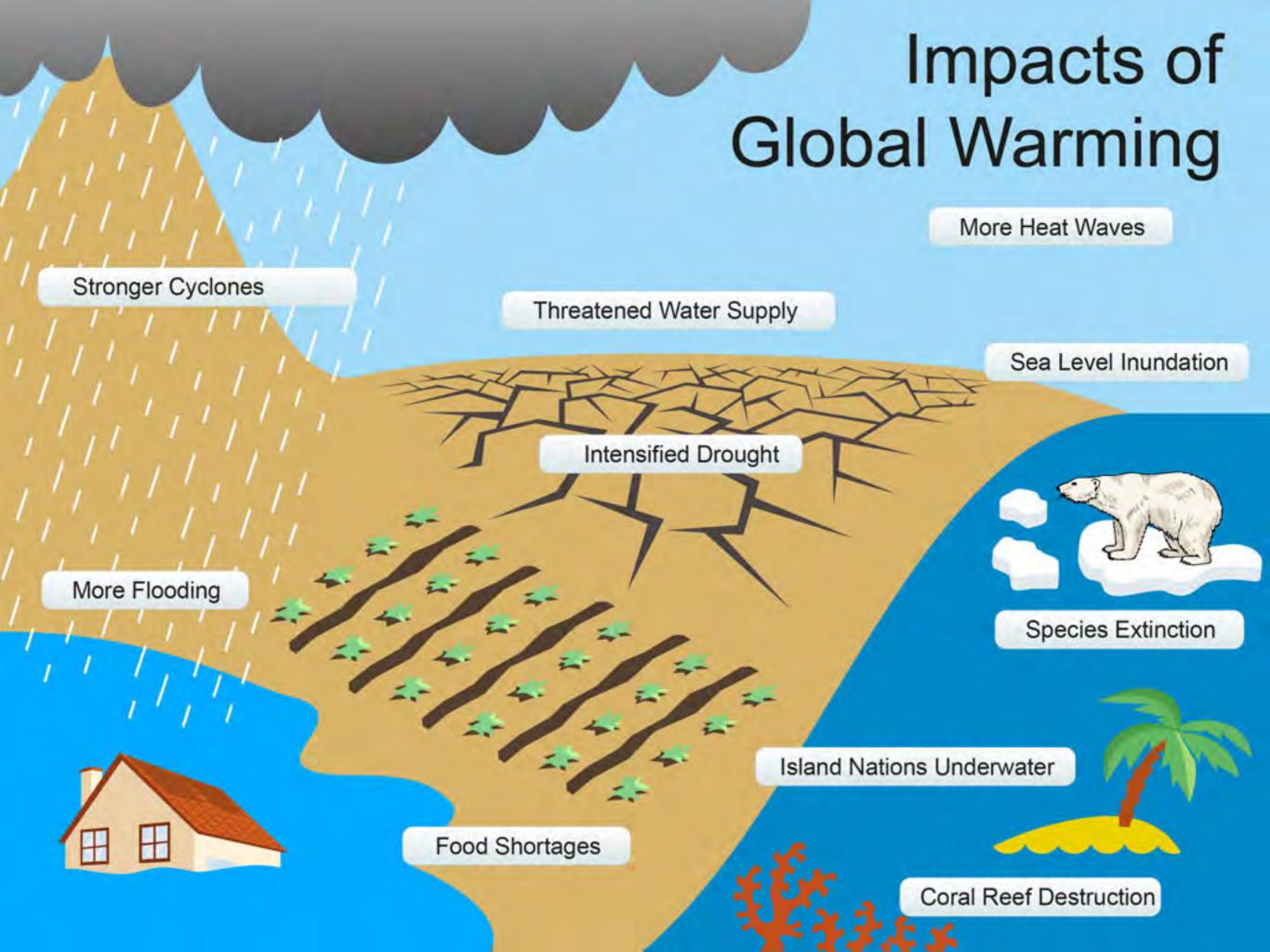
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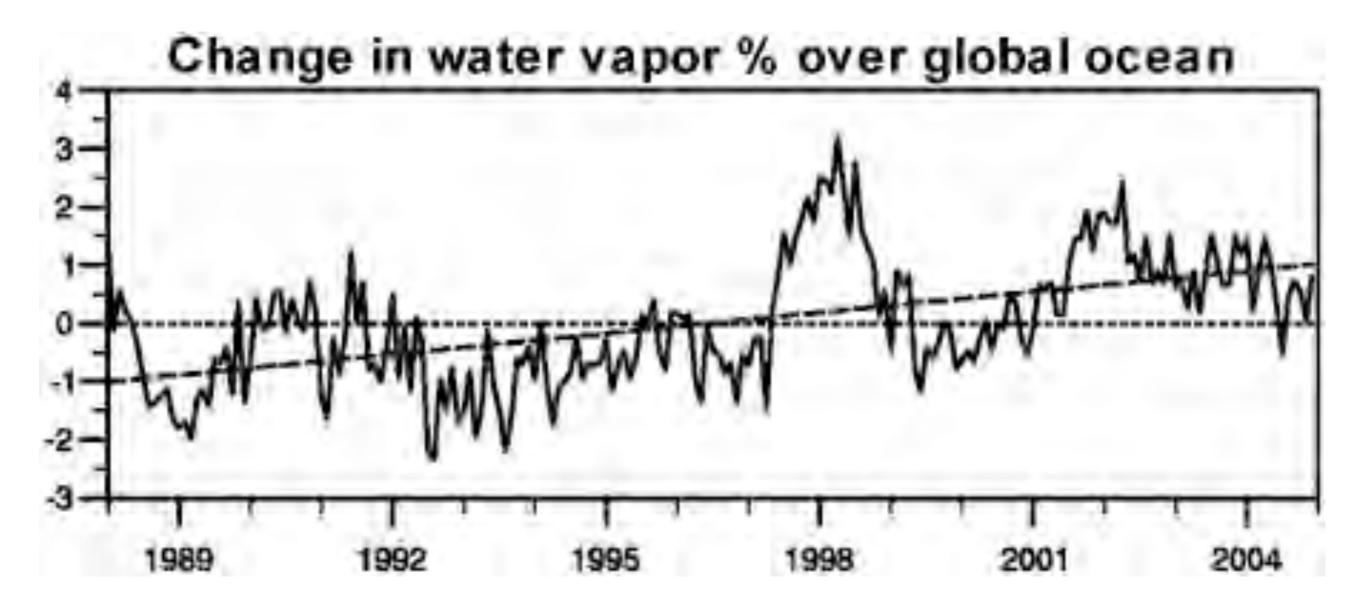


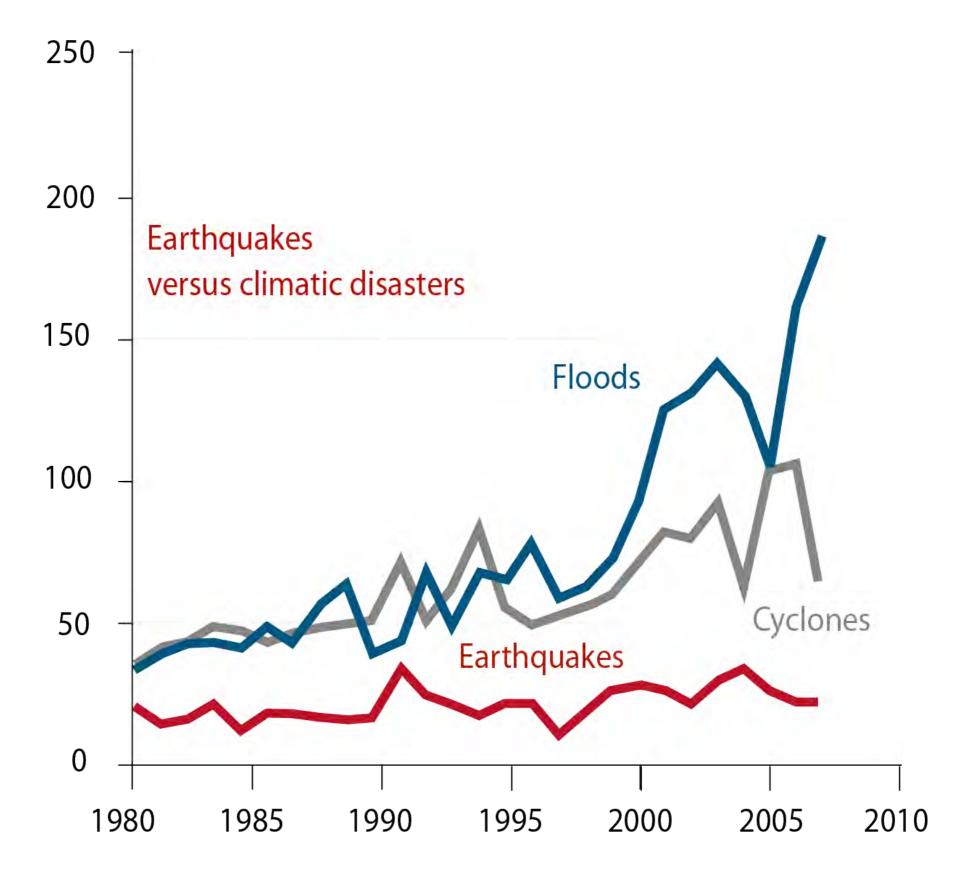
trees



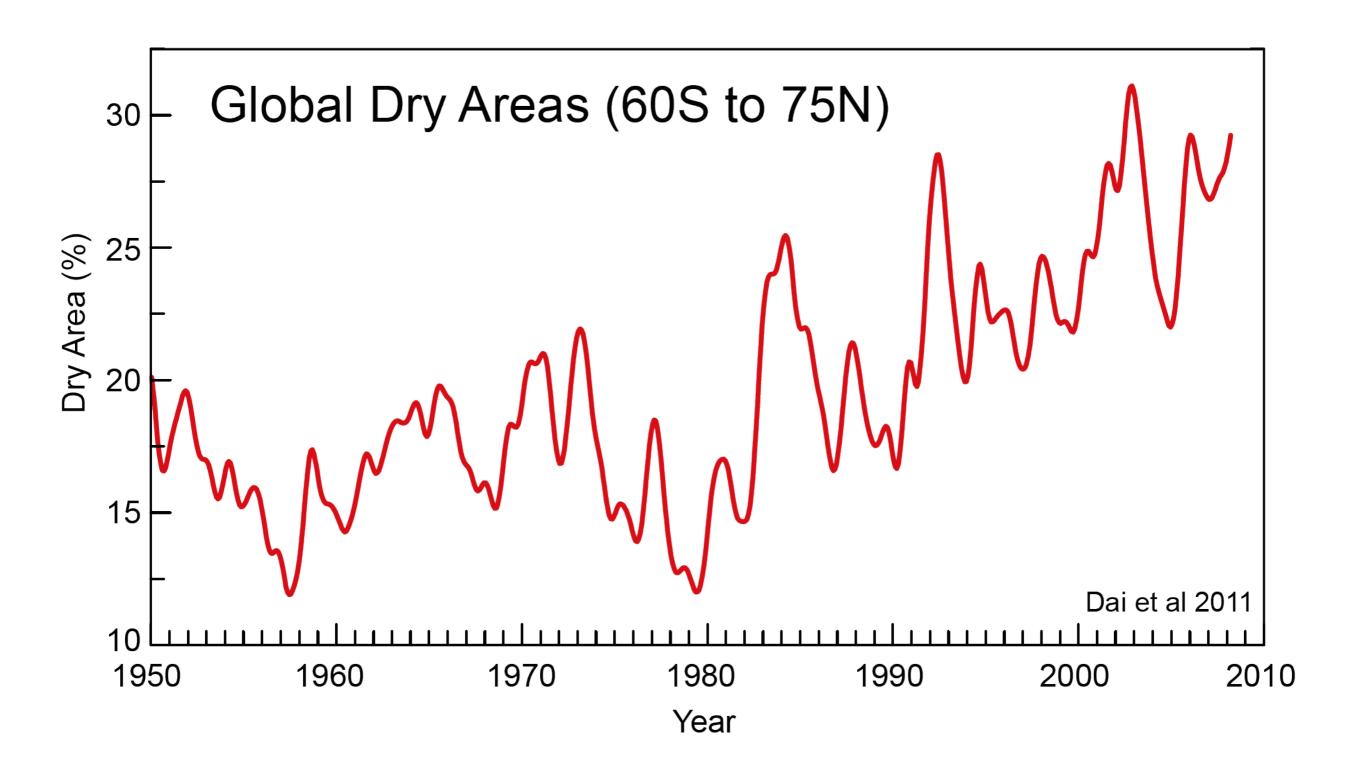
"This experimental data should effectively end the argument by skeptics that no experimental evidence exists for the connection between greenhouse gas increases in the atmosphere and global warming."

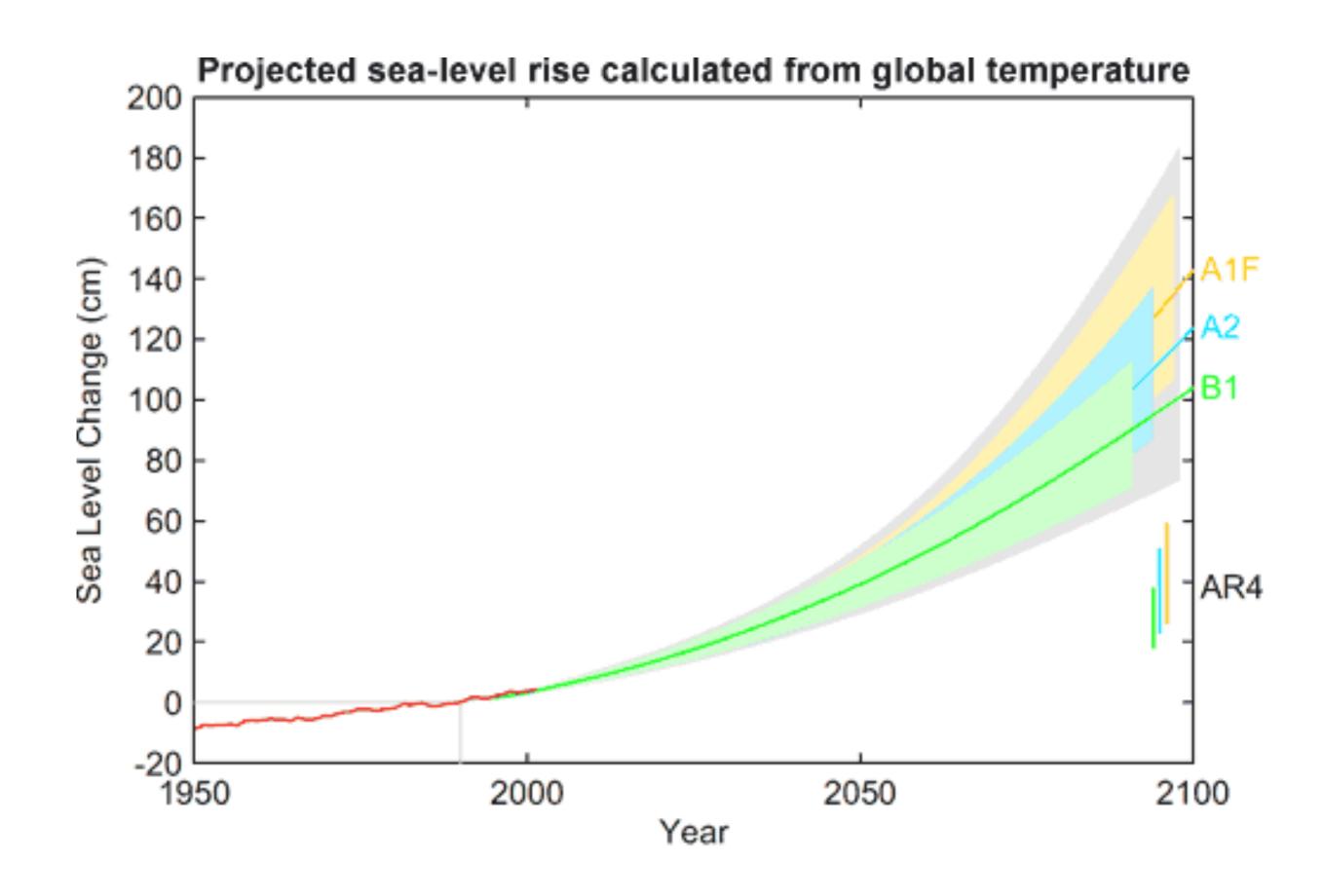




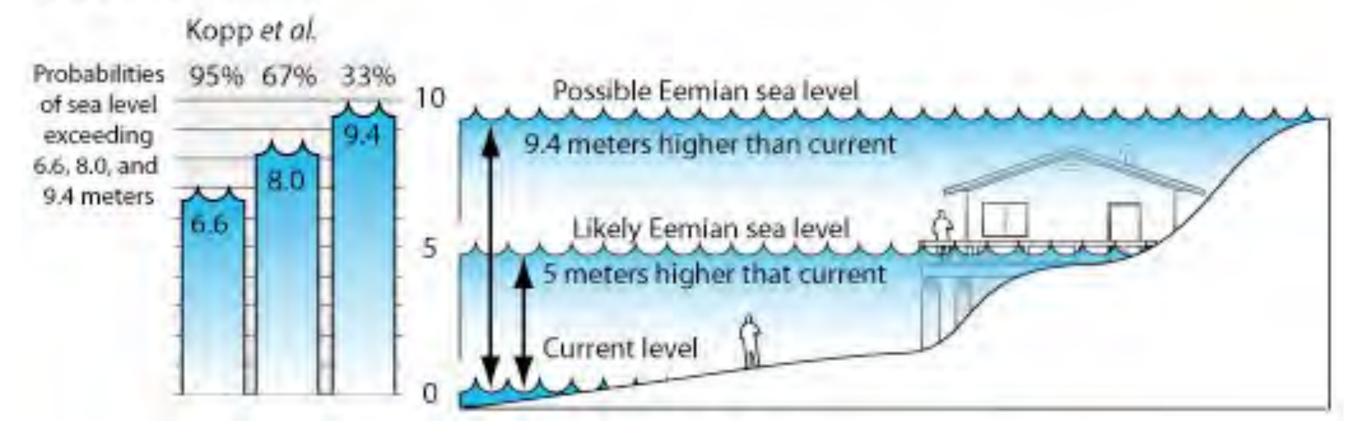


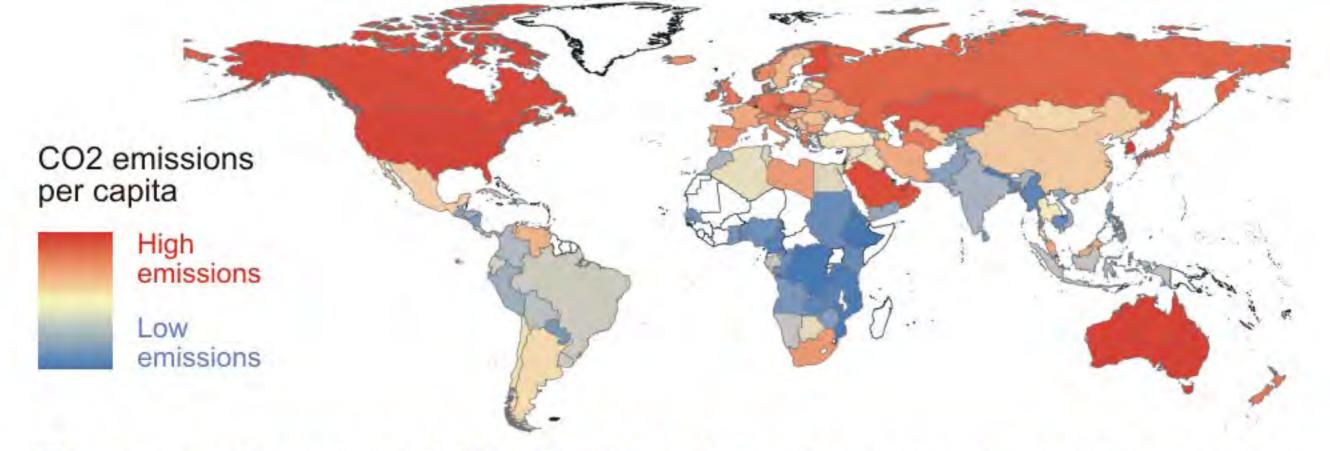
Source: CRED Annual Disaster Statistical Review 2006, 2007.



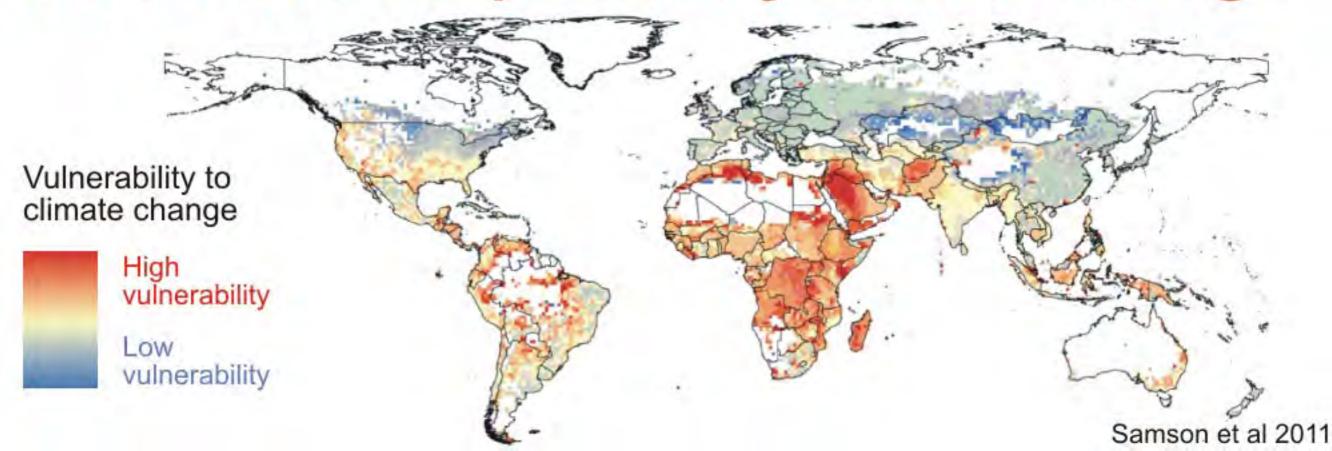


Sea level estimates:





Those who contribute the least greenhouse gases will be most impacted by climate change



5 Key Facts About Climate Change

It's warming



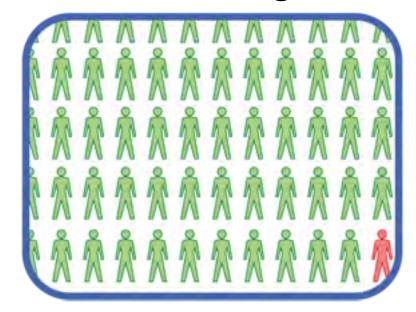
We're causing it



Impacts are serious



Scientists agree



97 out of 100 climate experts agree humans are causing global warming



Academies of Science endorsing the consensus

 Ireland Australia Sénégal South Africa Brazil Italy Belgium Sudan Japan Kenya Sweden Cameroon Madagascar Tanzania Canada Malayasia China Turkey Mexico France Uganda New Zealand United Kingdom Germany Ghana Nigeria USA

Poland

Russia

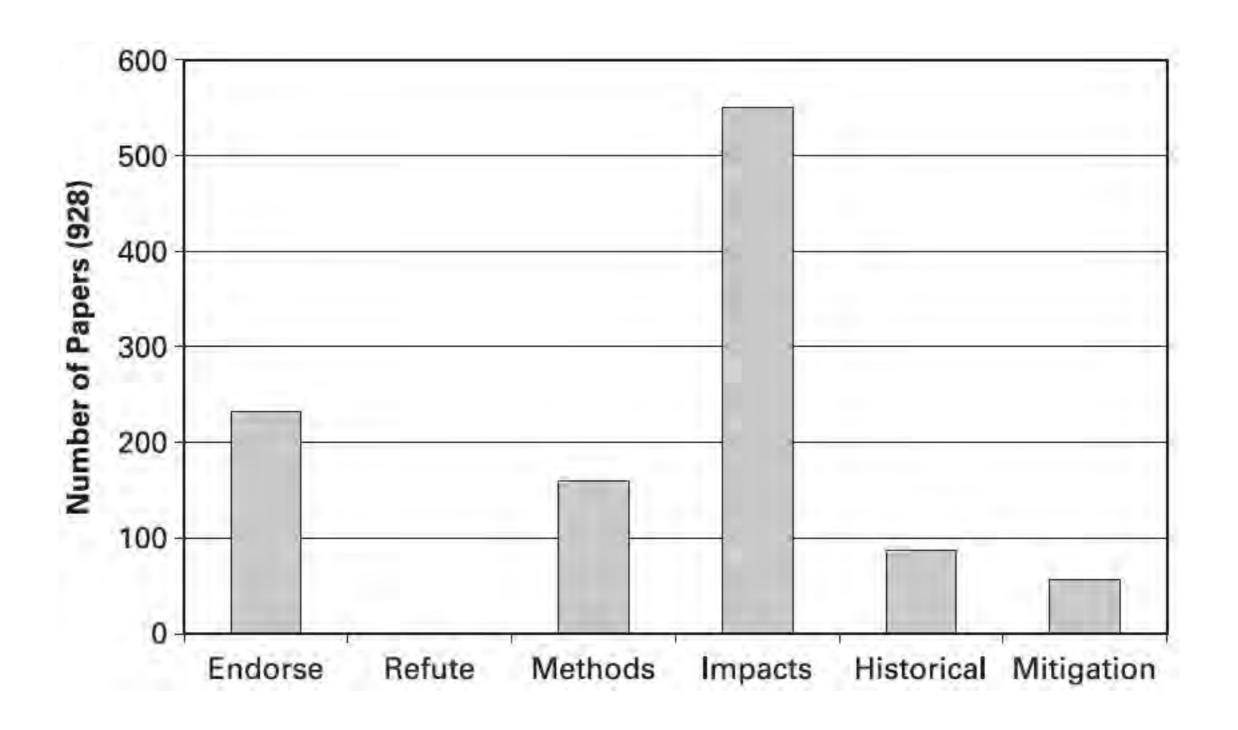
India

Indonesia

Zambia

Zimbabwe

Consensus in the peer-reviewed literature



5 Key Facts About Climate Change

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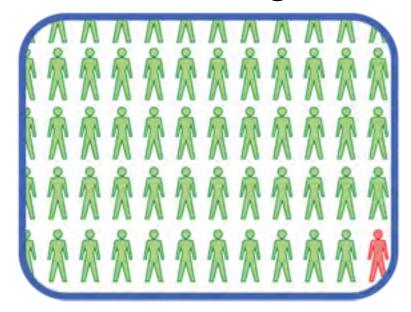
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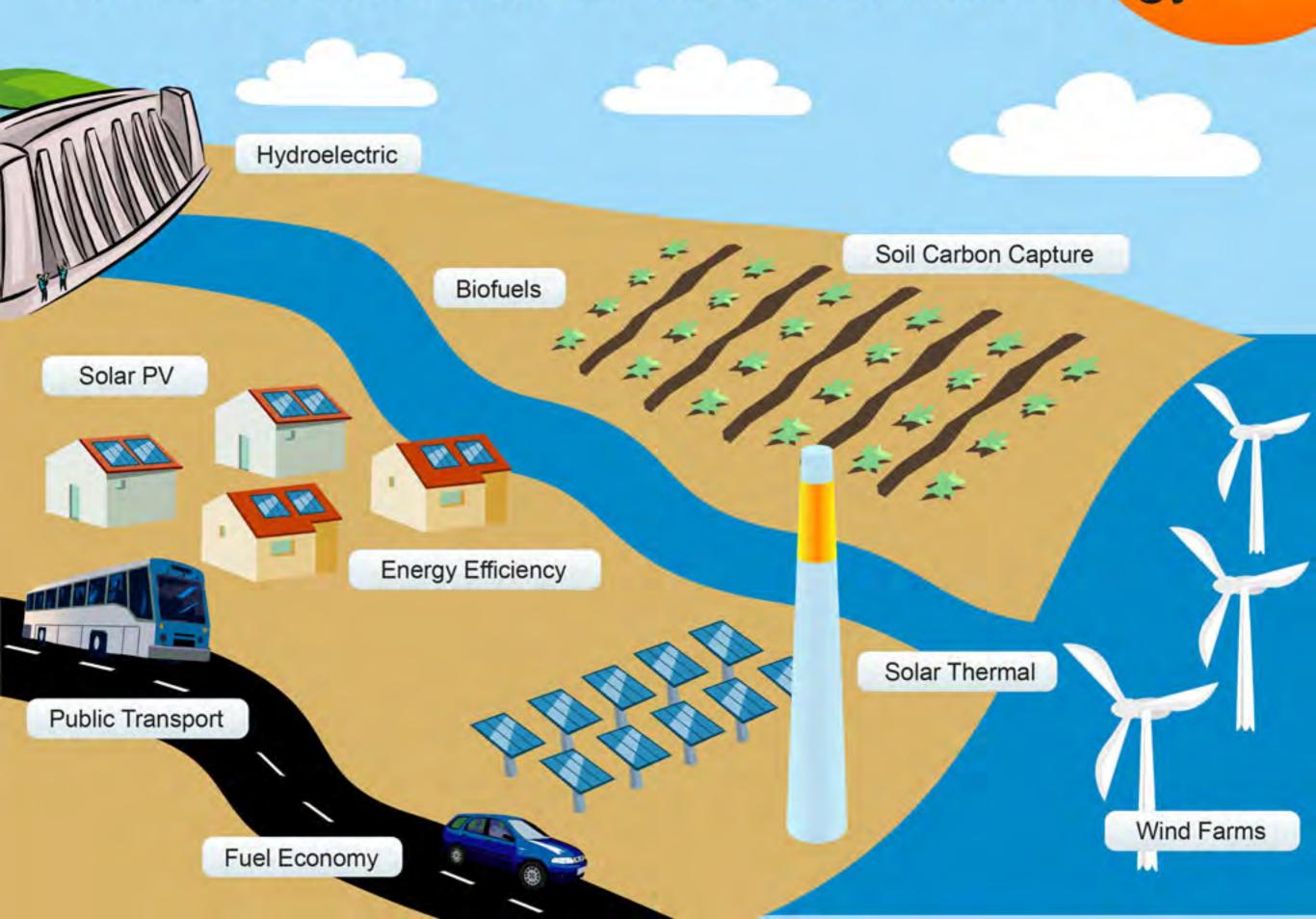
Scientists agree



We can fix it



Climate Solutions: we have the technology!



The parable of the sheep and goats



Matthew 25:31-46

The Weightier Matters

"Woe to you, scribes and Pharisees, hypocrites! For you pay tithe of mint and anise and cummin, and have neglected the weightier matters of the law: justice and mercy and faith. These you ought to have done, without leaving the others undone."

Matthew 23:23

Amos 5

"You trample the poor, stealing their grain through taxes and unfair rent... You oppress good people by taking bribes and deprive the poor of justice in the courts." Amos 5:11,12

"I hate all your show and pretense— the hypocrisy of your religious festivals and solemn assemblies... Away with your noisy hymns of praise! I will not listen to the music of your harps."

Amos 5:21-23

Poor nations and poor individuals have fewer resources available to cope with major challenges and threats. The consequences of global warming will therefore hit the poor the hardest, in part because those areas likely to be significantly affected first are in the poorest regions of the world.

Christians must care about climate change because we are called to love our neighbors, to do unto others as we would have them do unto us, and to protect and care for the least of these as though each was Jesus Christ himself.



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We believe such policies will harm the poor more than others because the poor spend a higher percentage of their income on energy and desperately need economic growth to rise out of poverty and overcome its miseries.

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Leading Evangelicals Object to EPA Restrictions on Power Plant CO2 **Emissions**

Cornwall Alliance Counters Effort to Portray CO2 Emissions Regulations as "Pro-Life"

(June 26, 2012, Washington, D.C.) - More than 100 leading evangelical scientists, economists,

theologians, and pastors endorsed a formal



Focus on the Family Citizen Magazine Reports Fruitful Use of Resisting the Green **Dragon in Churches**

"Many Christian leaders currently using the [Cornwall Alliance's



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...we conclude that

- human activity has negligible influence on global temperature,
- the influence is not dangerous

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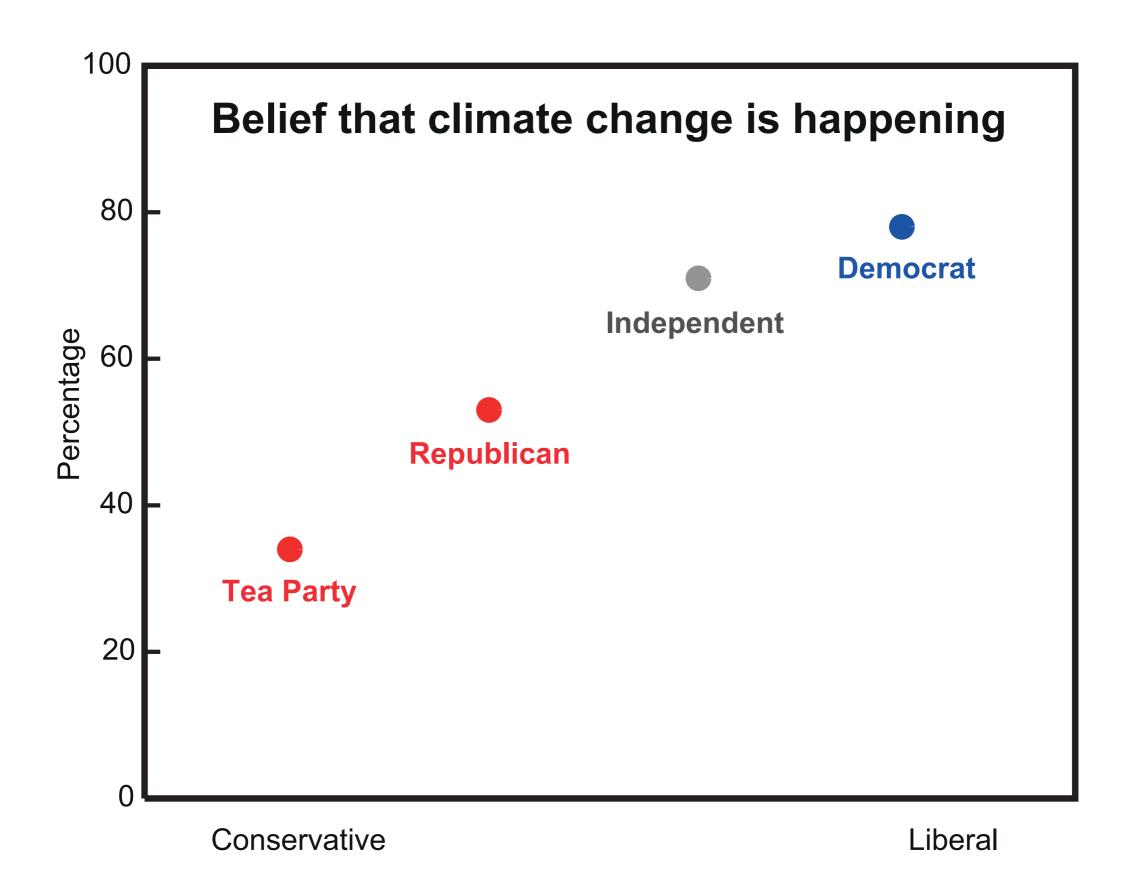
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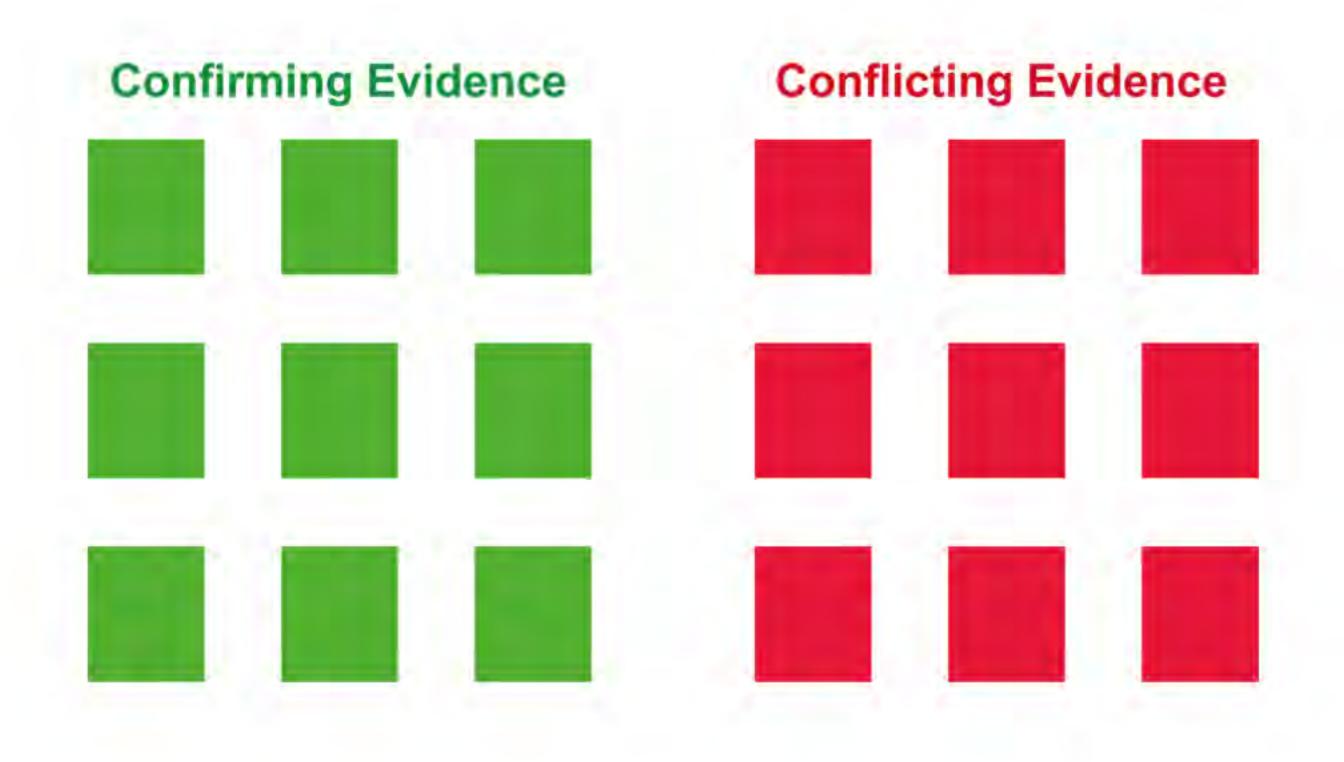
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Confirmation Bias



Confirmation Bias

Confirming Evidence

5 Techniques of Science Denial

- 1. Fake Experts
- 2. Cherry Picking
- 3. Logical fallacies
- 4. Impossible Expectations
- 5. Conspiracy Theories



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August 2, 2012

Key Documents

- Evangelical
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 Global Warming
- Renewed Call to Truth
- Cornwall Declaration
- Cornwall Stewardship Agenda



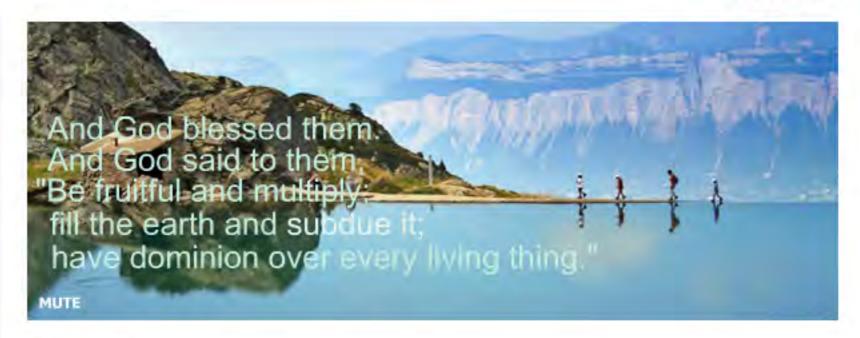
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The Cornwall Alliance is a coalition of clergy, theologians, religious leaders, scientists, academics, and policy experts committed to bringing a balanced Biblical view of stewardship to the critical issues of environment and development. The Cornwall Alliance fully supports the principles espoused in the **Cornwall Declaration on Environmental**Stewardship, and is seeking to promote those principles in the discussion of various public policy issues including population and poverty, food, energy, water, endangered species, habitat, and other related topics.

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Consensus



Consensus

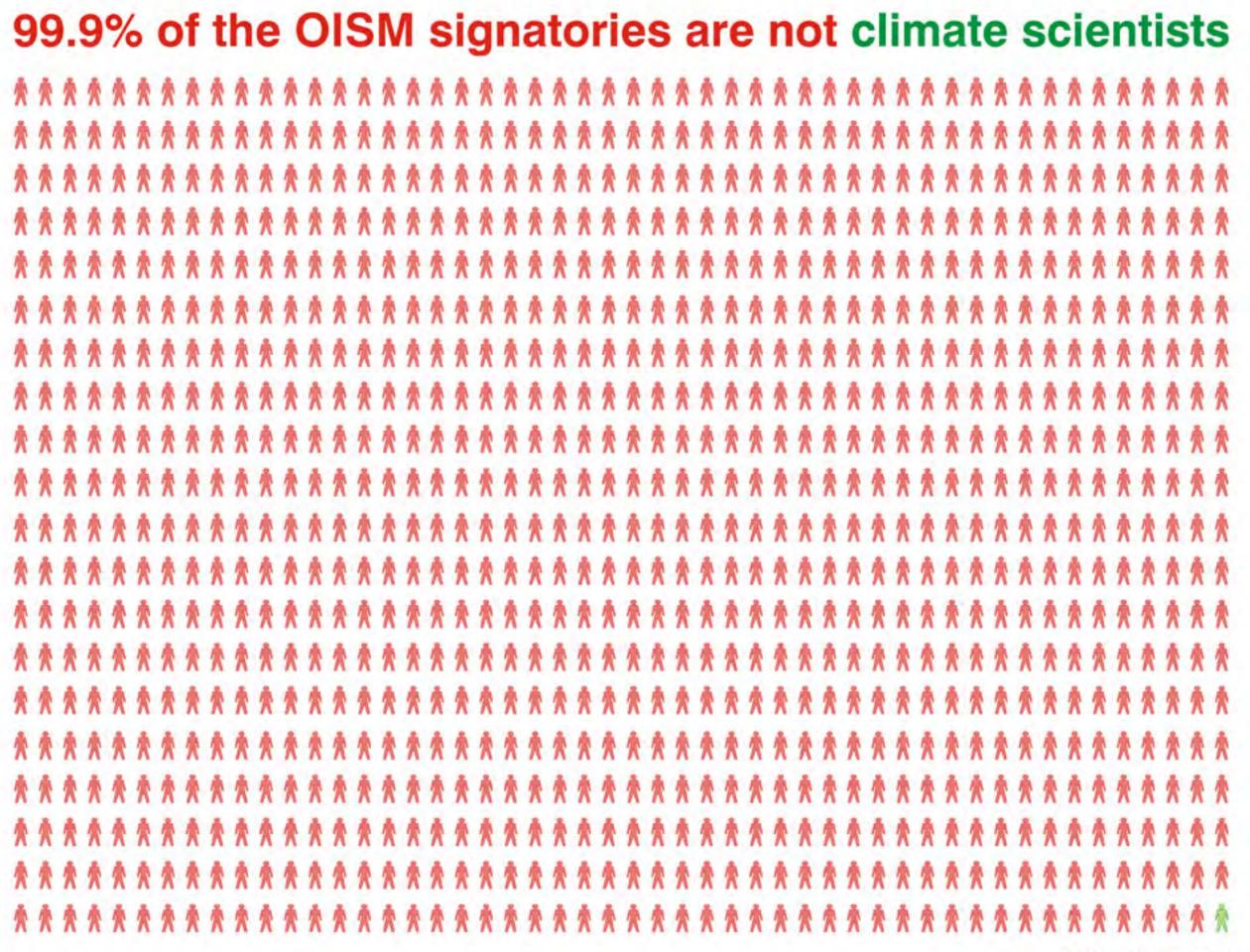
Fake Experts



Fake Experts

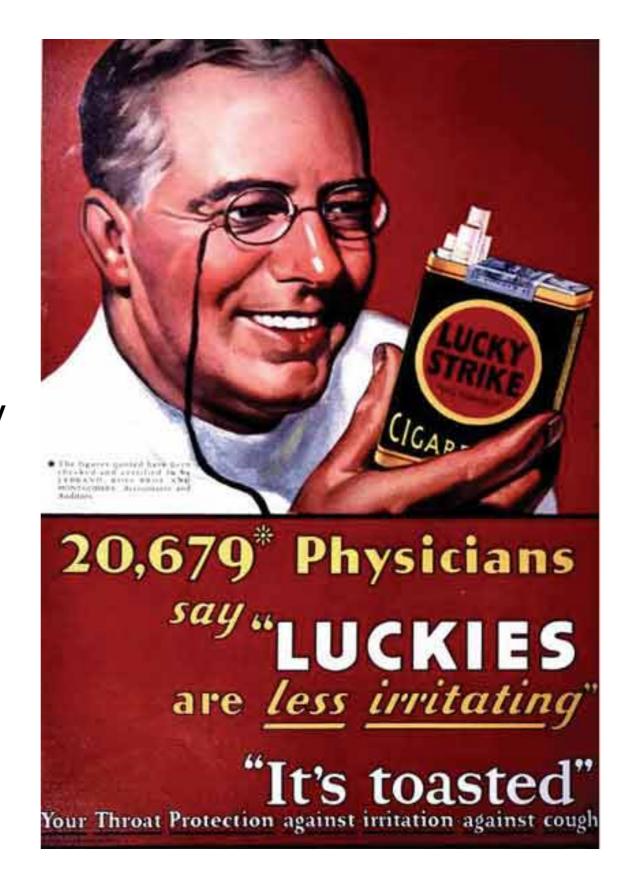
"[Global warming alarmism] falsely claims overwhelming scientific consensus in favor of the hypothesis of dangerous manmade warming (ignoring tens of thousands of scientists who disagree) and then falsely claims that such consensus proves the hypothesis and justifies policies to fight it."

Cornwall Alliance



Fake Experts

A technique perfected by the tobacco industry in the 1970s

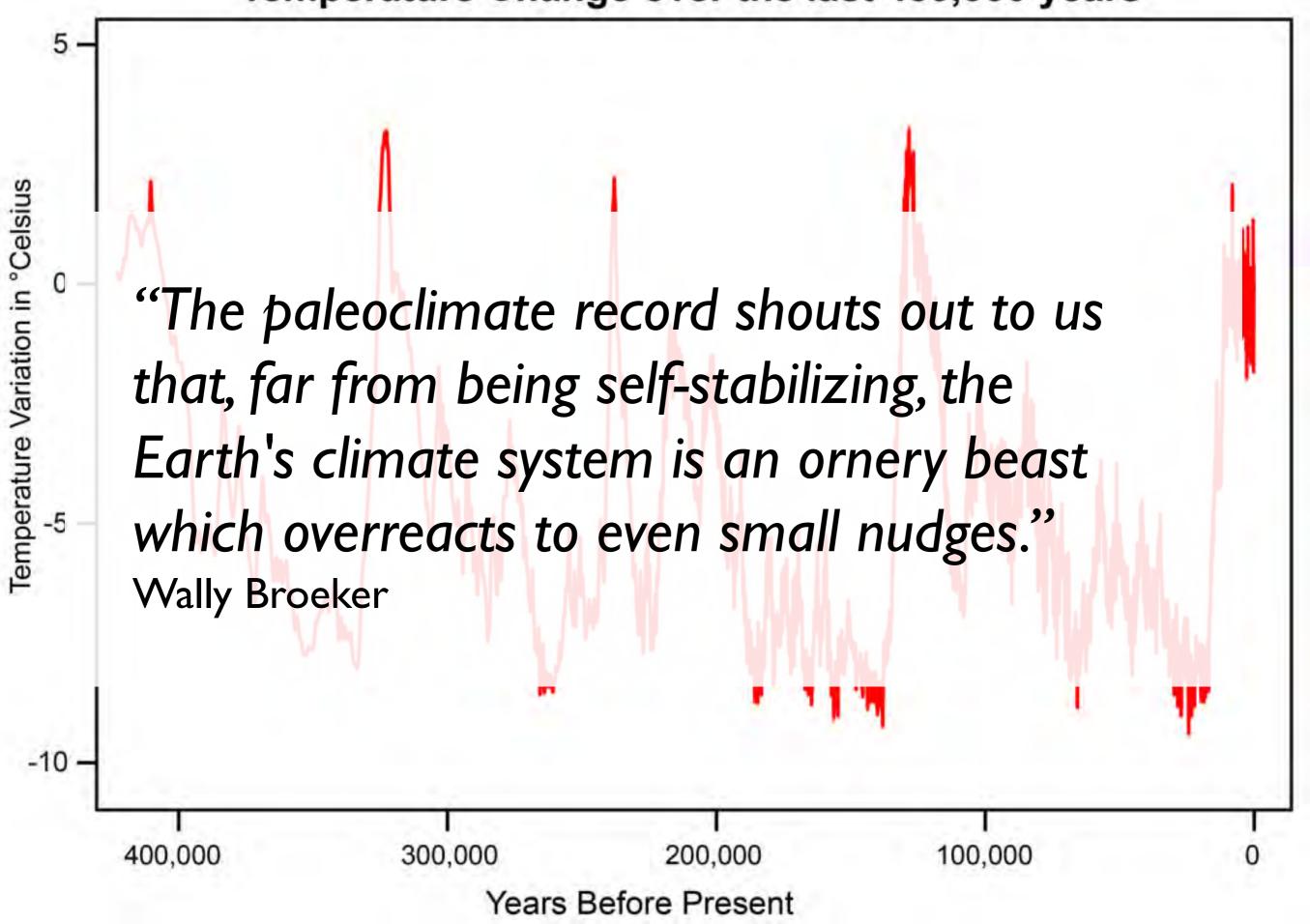


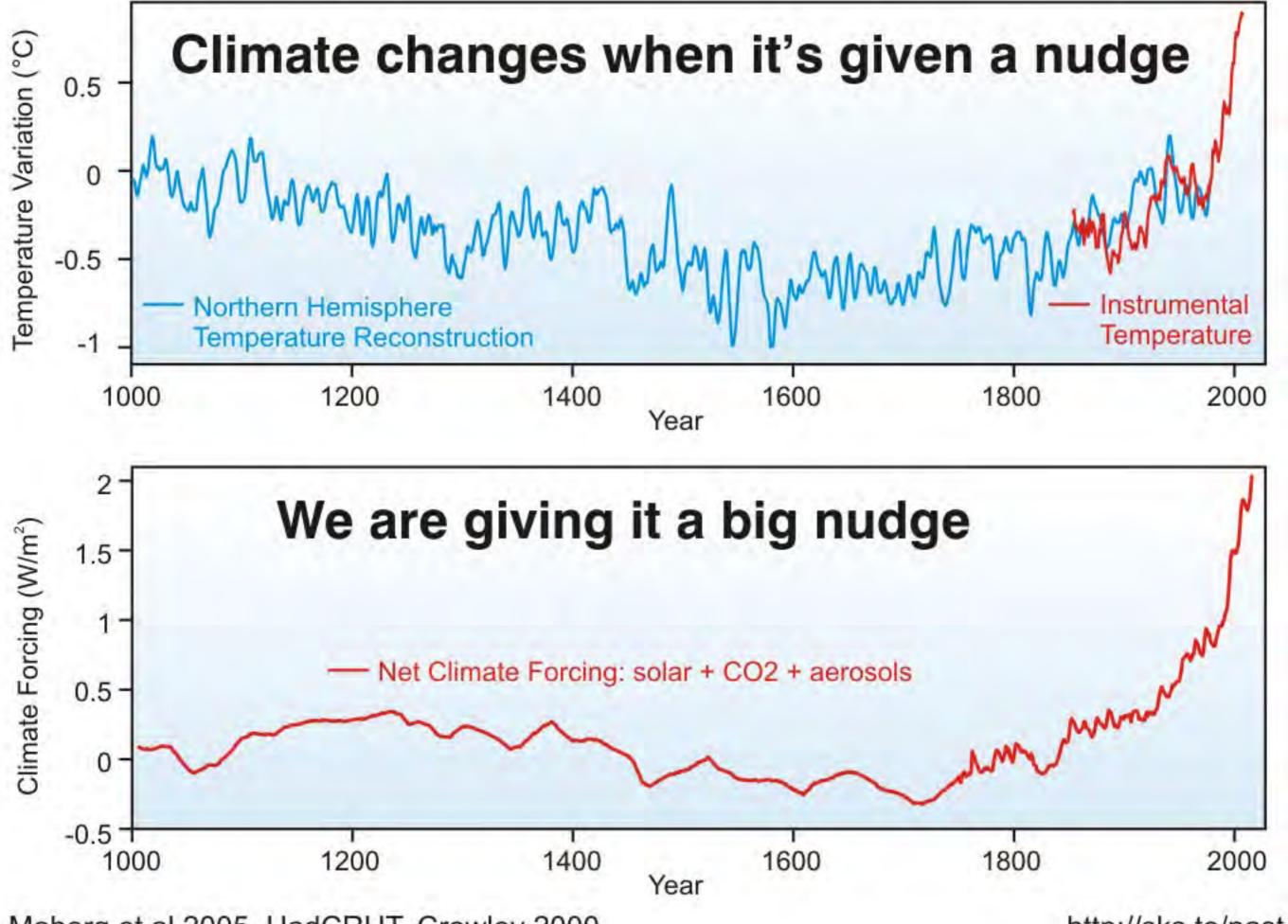
Misrepresentations & Logical Fallacies

Non Sequitor: "it does not follow"

"Recent global warming is one of many natural cycles of warming and cooling in geologic history."

Temperature Change over the last 450,000 years



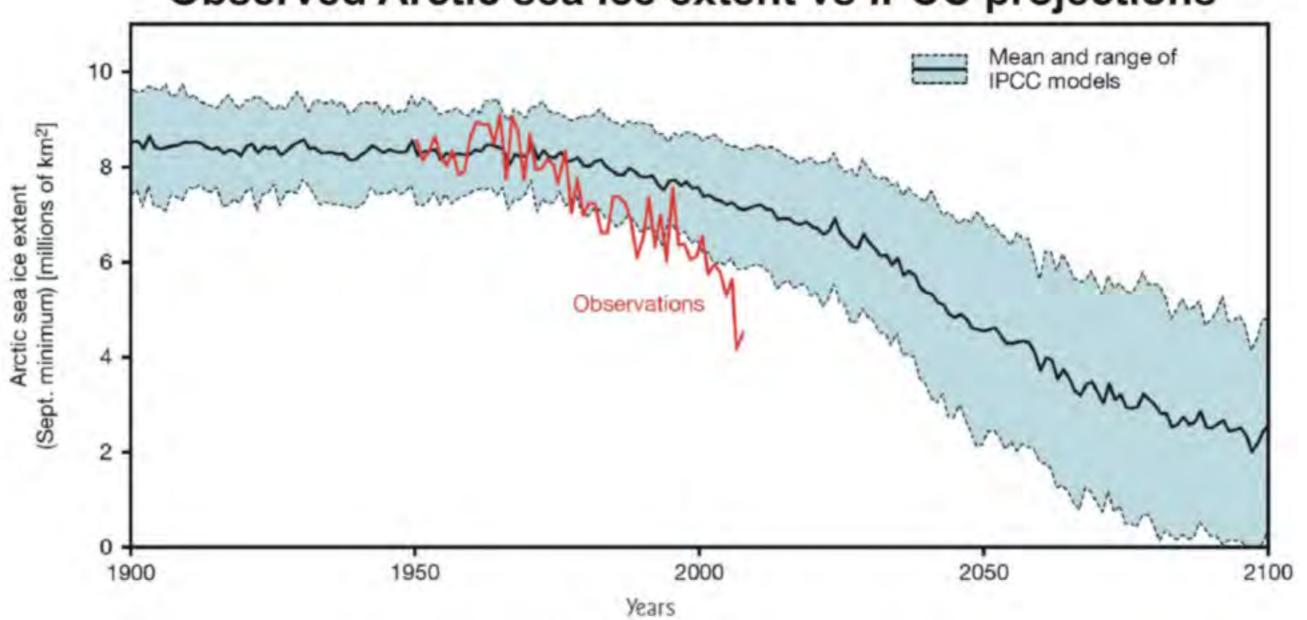


Moberg et al 2005, HadCRUT, Crowley 2000

http://sks.to/past

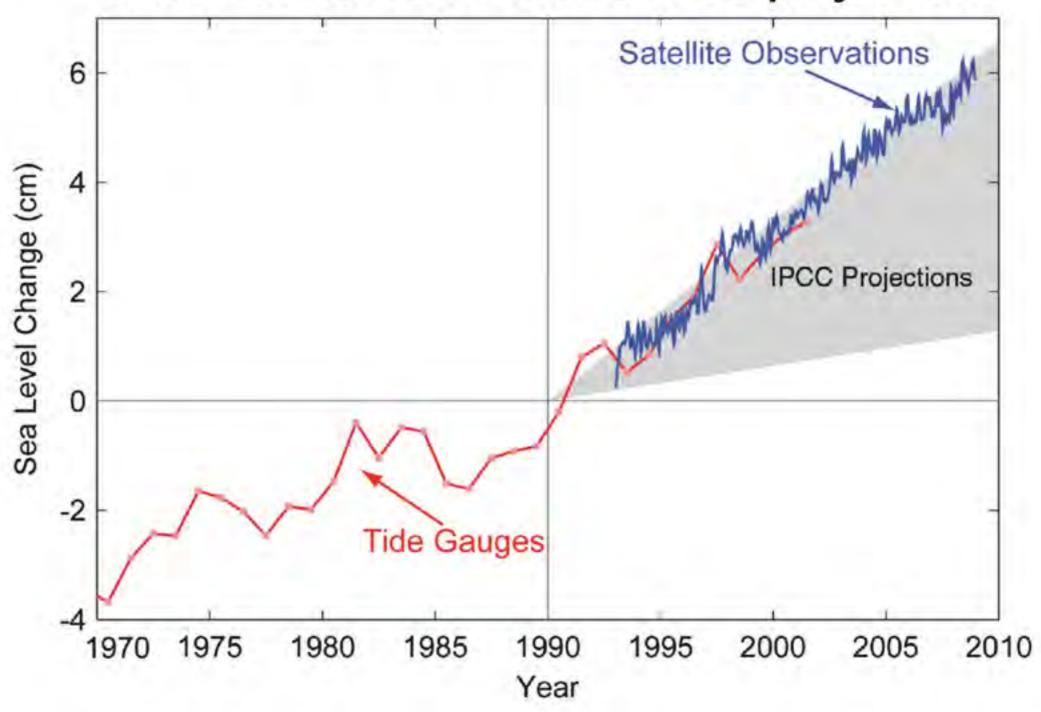
Impossible Expectations

Observed Arctic sea ice extent vs IPCC projections



In a climate system with net positive feedback, climate response is likely to be greater than expected

Observed sea level rise vs IPCC projections



Impossible Expectations

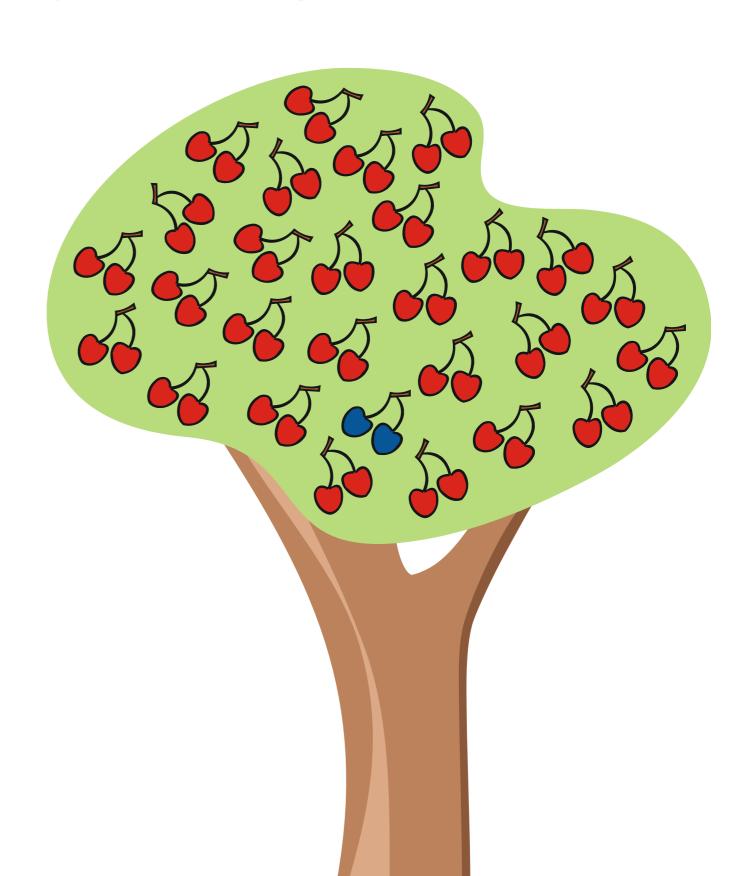
"Predicting the future of the climate system is so complex a task that it might never be achieved. While it may be possible to adjust or fit a model to mimic past climatic conditions, this does not guarantee that the processes causing climate change are accurately portrayed."

Cornwall Alliance

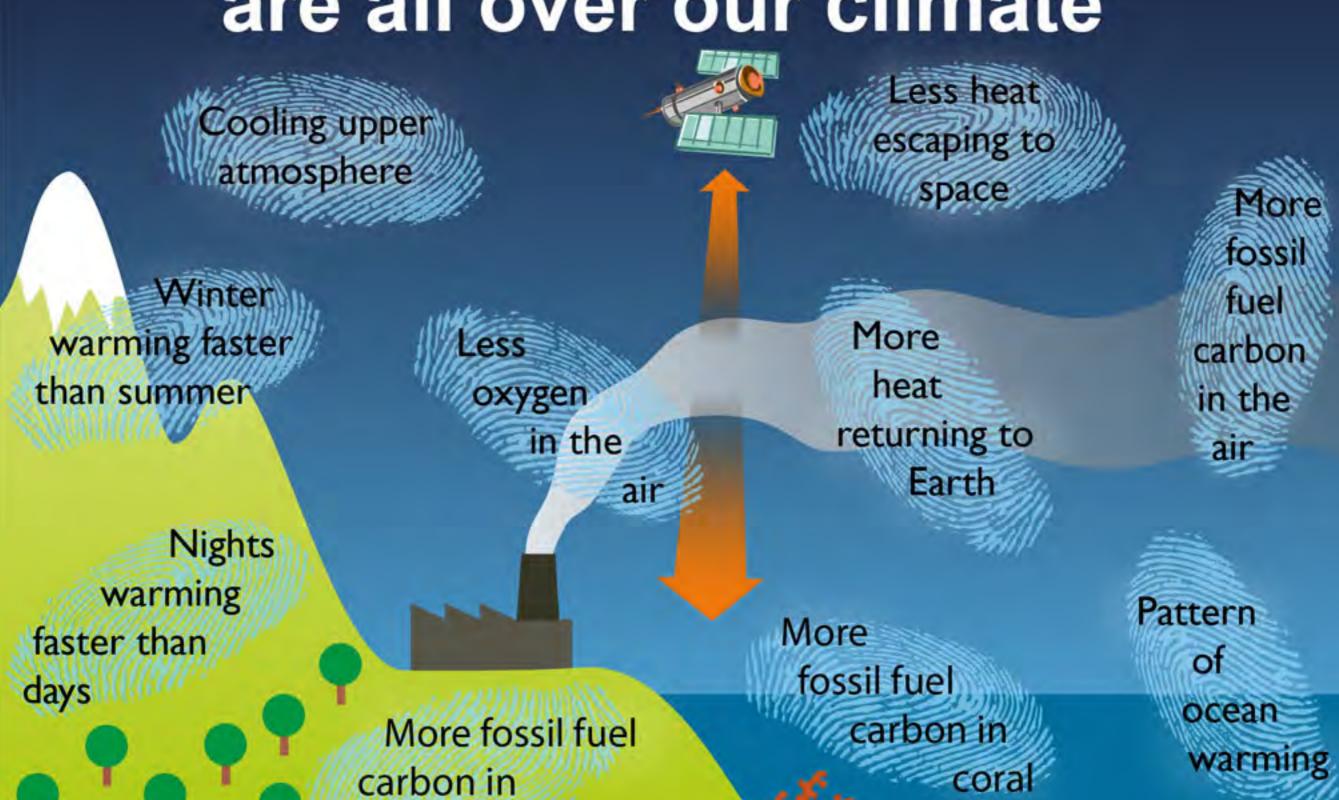
Cherry Picking

"There is no convincing scientific evidence that human contribution to greenhouse gases is causing dangerous global warming."

Cornwall Alliance



Human fingerprints are all over our climate

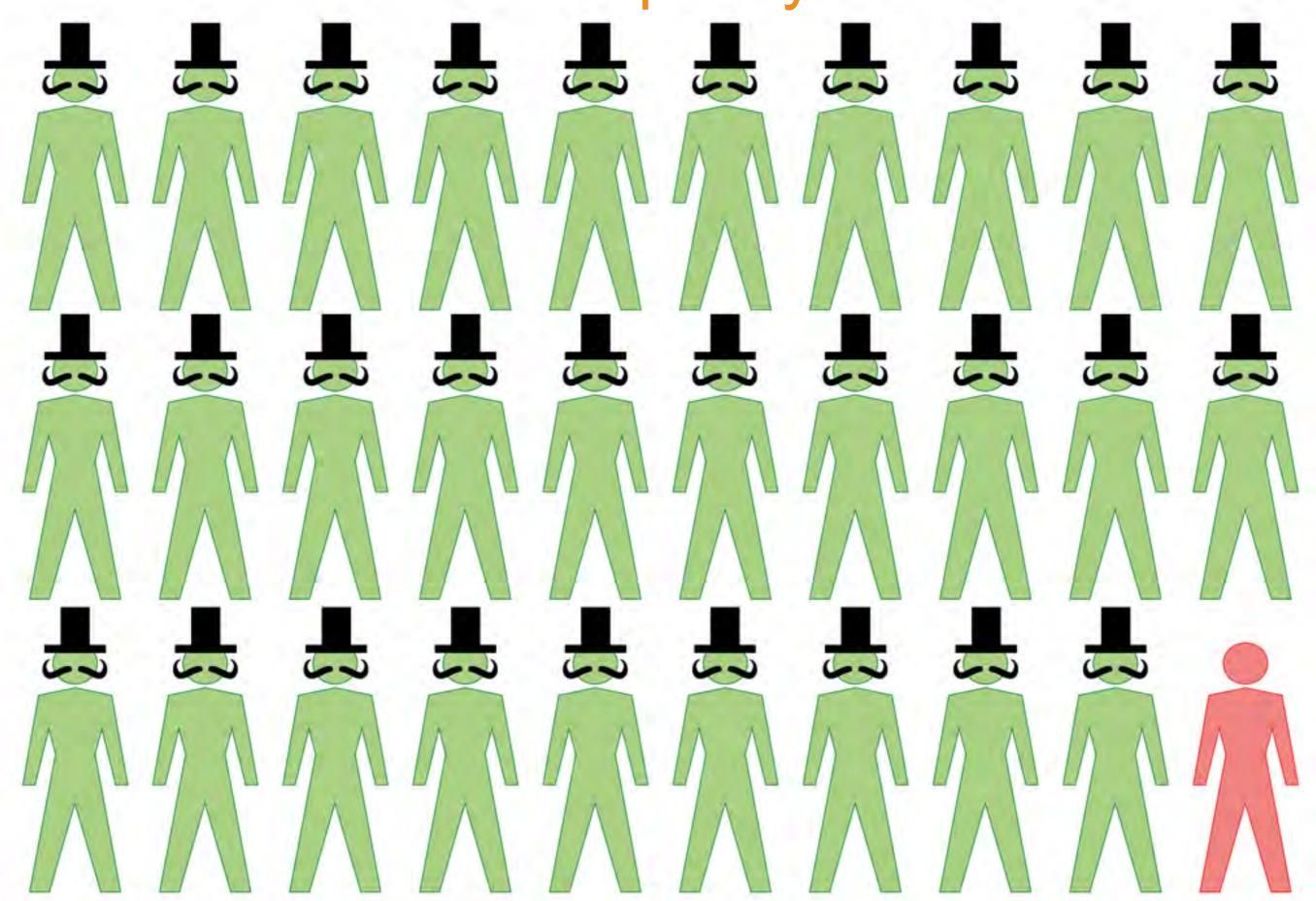


trees

Consensus



Conspiracy!



What are we going to do tonight, Brain?



... TRY AND TAKE OVER THE WORLD!

Conspiracy Theory

"If scientists are promised a career of financial support to find evidence of manmade climate change, they will do their best to find it."

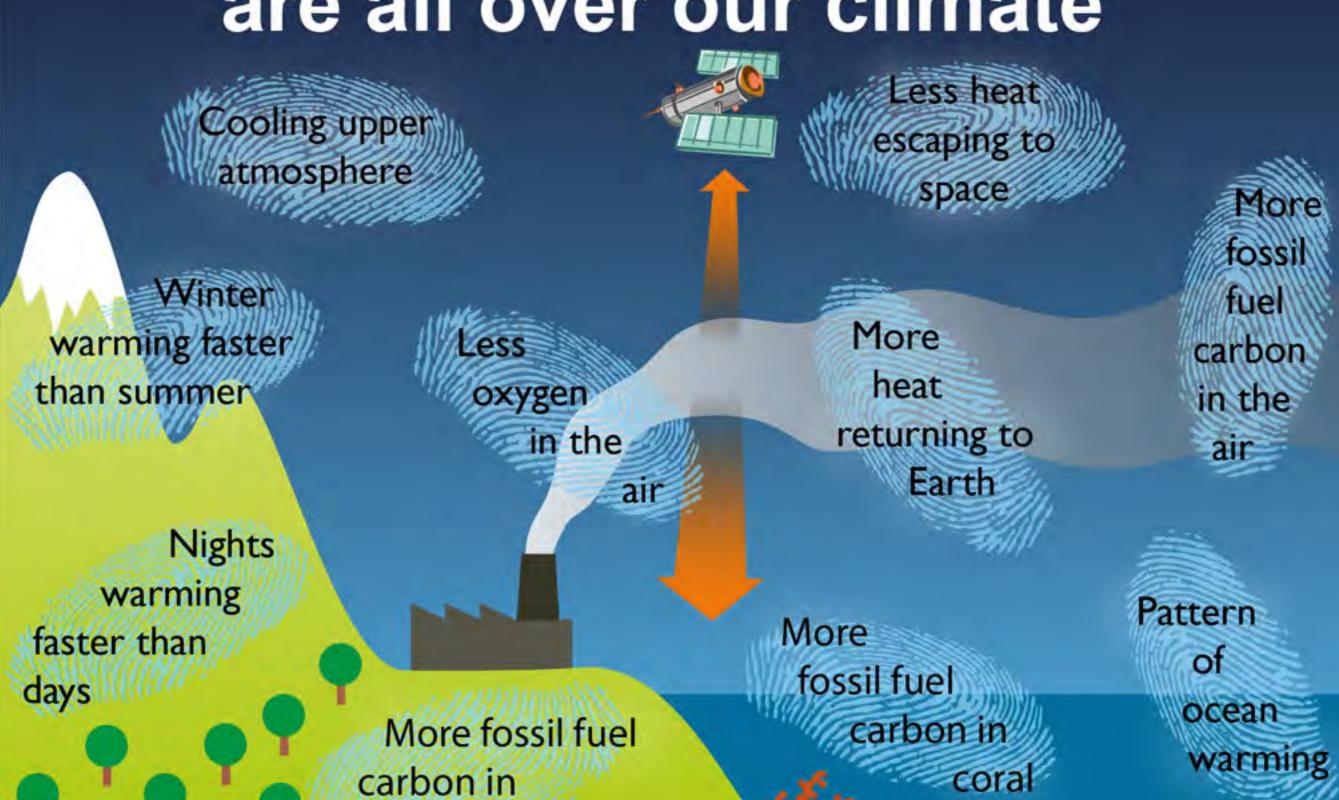
Cornwall Alliance

Conspiracy Theory

Two distinctive traits of conspiracy theories:

1. Ascribe omnipotent power to the conspiracy

Human fingerprints are all over our climate



trees

Climategate



9 independent enquiries have found no evidence of wrongdoing



"...no evidence of any deliberate scientific malpractice in any of the work of the Climatic Research Unit."

UNIVERSITY OF EAST ANGLIA IN CONSULTATION WITH THE ROYAL SOCIETY



"The scientists' rigour and honesty are not in doubt."

INDEPENDENT CLIMATE CHANGE EMAIL REVIEW



"There exists no credible evidence that Dr. Mann had or has ever engaged in, or participated in, directly or indirectly, any actions with an intent to suppress or to falsify data."

PENN STATE UNIVERSITY

Conspiracy Theory

Two distinctive traits of conspiracy theories:

- 1. Ascribe omnipotent power to the conspiracy
- 2. Evidence against the conspiracy is proof of the conspiracy



Roy Spencer

University of Alabama in Huntsville

"I view my job a little like a legislator, supported by the taxpayer, to protect the interests of the taxpayer and to minimize the role of government."



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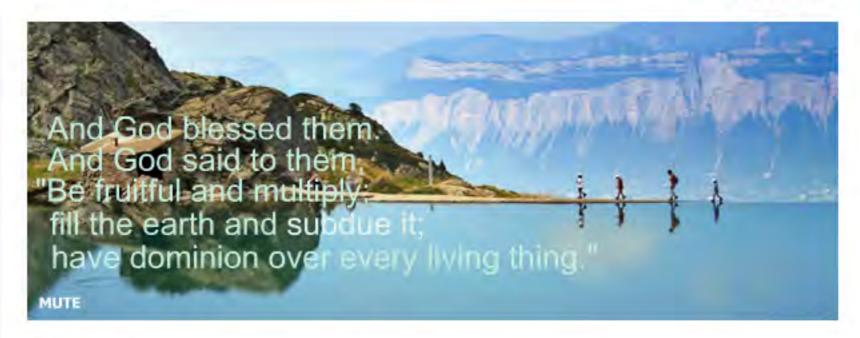
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Skeptical Science

Getting skeptical about global warming skepticism



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Why I care about climate change

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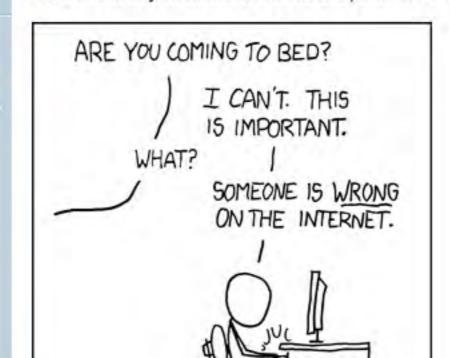
Posted on 3 August 2010 by John Cook

There was a recent comment posted on Skeptical Science that questioned my motives, accused me of being politically leftist and wondered where my funding came from. The comment broke several rules in our Comments Policy so was deleted. However, I emailed the commenter, and answered all his questions. Through subsequent discussion, I think we came to understand each other a little better. So while I always try to keep the discussion focussed on science, I'm going to make a brief exception here and share my own personal reasons why I spend so much time reading and writing about climate science. I will note in advance that my motives are personal ones - I'm sure many of you come at this from completely different directions. This is just for the sake of anyone wondering what drives Skeptical Science.

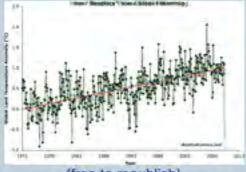
Translations

About

Let me first say what doesn't drive Skeptical Science. For starters, it's not for this reason:







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THE DEBUNKING HANDBOOK



MOST USED Climate Myths

CALCULATOR

and what the science really seys ...

Climate's changed before

It's the sun

It's not bad

There is no consensus

It's cooling

6 Models are unreliable

Temp record is unreliable

Animale and plante can adopt

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THE WORLD'S LEADING GREEN JOURNALISTS ON CLIMATE, ENERGY AND WILDLIFE





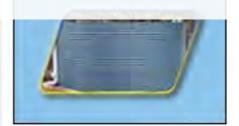
We humans have an alarming habit of blaming the idea for our poor execution of it. There's nothing wrong with the tenets of Christianity.

Cook demonstrates this: his faith seems to work the way faith is supposed to. His actions speak of considerable commitment, and the work continues unabated.



Jump to comments (151)





Conclusion

Climate change is an opportunity for the church to:

- Put our faith into action
- Be part of the solution, not part of the problem
- Guide our communities to the core Christian values of justice and mercy







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