







AUGUST 1953

35 CENTS

POPULAR MECHANICS MAGAZINE

SO YOU CAN UNDERSTAND IT

In This Issue

Rear Admiral Charles B. Momsen writes on
SUBMARINE WARFARE

**HOW TO AIR CONDITION
YOUR HOME**

**Hottest Truck on the Road
—the TURBO-JET**

What Owners Say
ABOUT THE PACKARD



AUGUST 1953

35 CENTS

POPULAR MECHANICS

Growing Blanket of Carbon Dioxide Raises Earth's Temperature

Earth's ground temperature is rising $1\frac{1}{2}$ degrees a century as a result of carbon dioxide discharged from the burning of about 2,000,000,000 tons of coal and oil yearly. According to Dr. Gilbert N. Plass of the Johns Hopkins University, this discharge augments a blanket of gas around the world which is raising the temperature in the same manner glass heats a greenhouse. By 2080, he predicts the air's carbon-dioxide content will double, resulting in an average-

temperature rise of at least four percent. If most of man's industrial growth were over a period of several thousand years, instead of being crowded within the last century, oceans would have absorbed most of the excess carbon dioxide. But because of the slow circulation of the seas, they have had little effect in reducing the amount of the gas as man's smoke-making abilities have multiplied over the past hundred years.

AUGUST 1953

119

HOW TO AIR CONDITION
YOUR HOME

Hottest Truck on the Road
—the TURBO-JET

What Owners Say
ABOUT THE PACKARD

POPULAR MECHANICS

Growing Blanket of Carbon Dioxide Raises Earth's Temperature

Earth's ground temperature is rising $1\frac{1}{2}$ degrees a century as a result of carbon dioxide discharged from the burning of about 2,000,000,000 tons of coal and oil yearly. According to Dr. Gilbert N. Plass of the Johns Hopkins University, this discharge augments a blanket of gas around the world which is raising the temperature in the same manner glass heats a greenhouse. By 2080, he predicts the air's carbon-dioxide content will double, resulting in an average-

temperature rise of at least four percent. If most of man's industrial growth were over a period of several thousand years, instead of being crowded within the last century, oceans would have absorbed most of the excess carbon dioxide. But because of the slow circulation of the seas, they have had little effect in reducing the amount of the gas as man's smoke-making abilities have multiplied over the past hundred years.

AUGUST 1953

119

HOW TO AIR CONDITION
YOUR HOME

Hottest Truck on the Road
—the TURBO-JET

What America Says

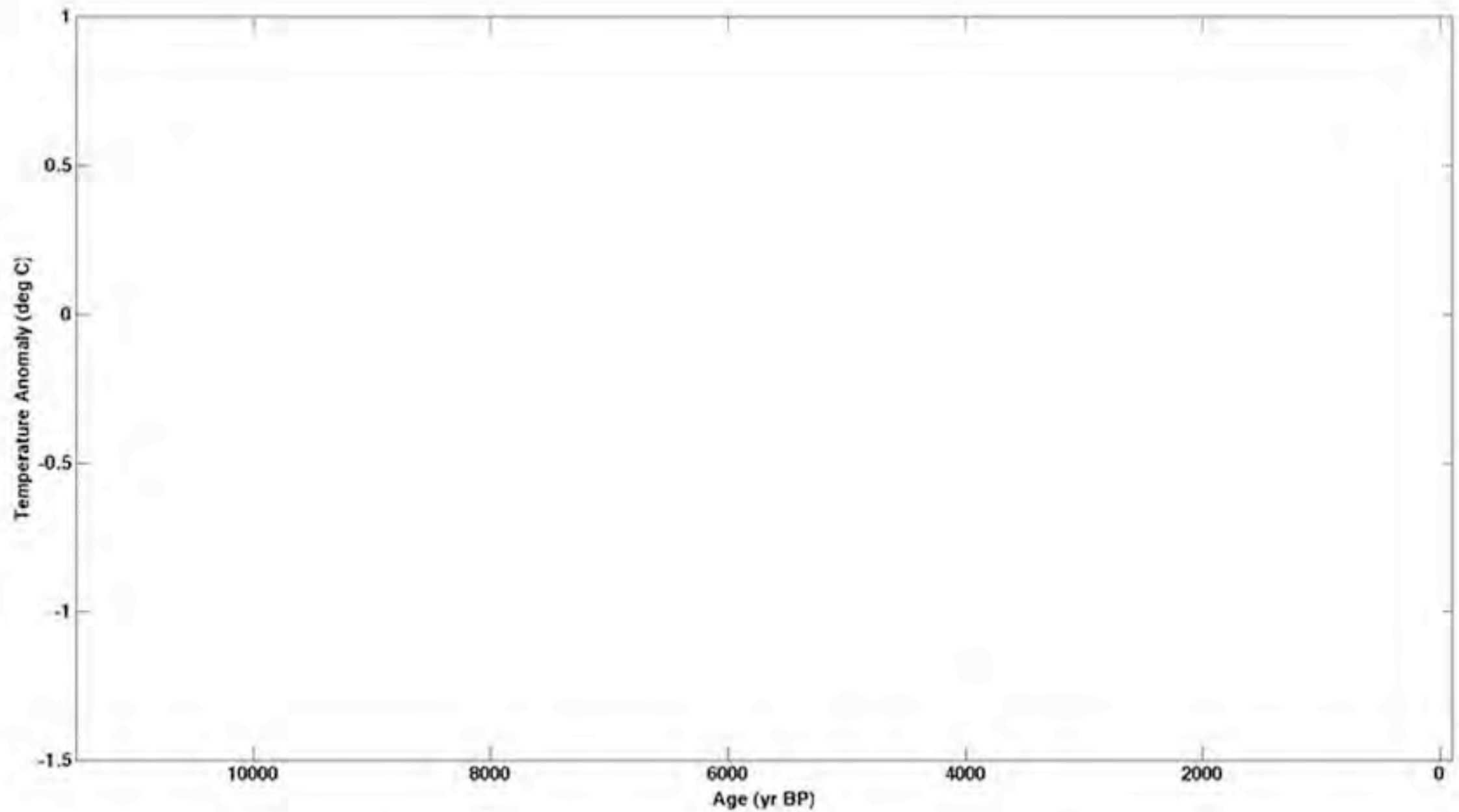
ing Blanket of Carbon Dioxide Raises Earth's Temperature

n's ground temperature is rising $1\frac{1}{2}$ s a century as a result of carbon discharged from the burning of about 00,000 tons of coal and oil yearly. ling to Dr. Gilbert N. Plass of the Hopkins University, this discharge nts a blanket of gas around the world is raising the temperature in the manner glass heats a greenhouse. By e predicts the air's carbon-dioxide t will double, resulting in an average-

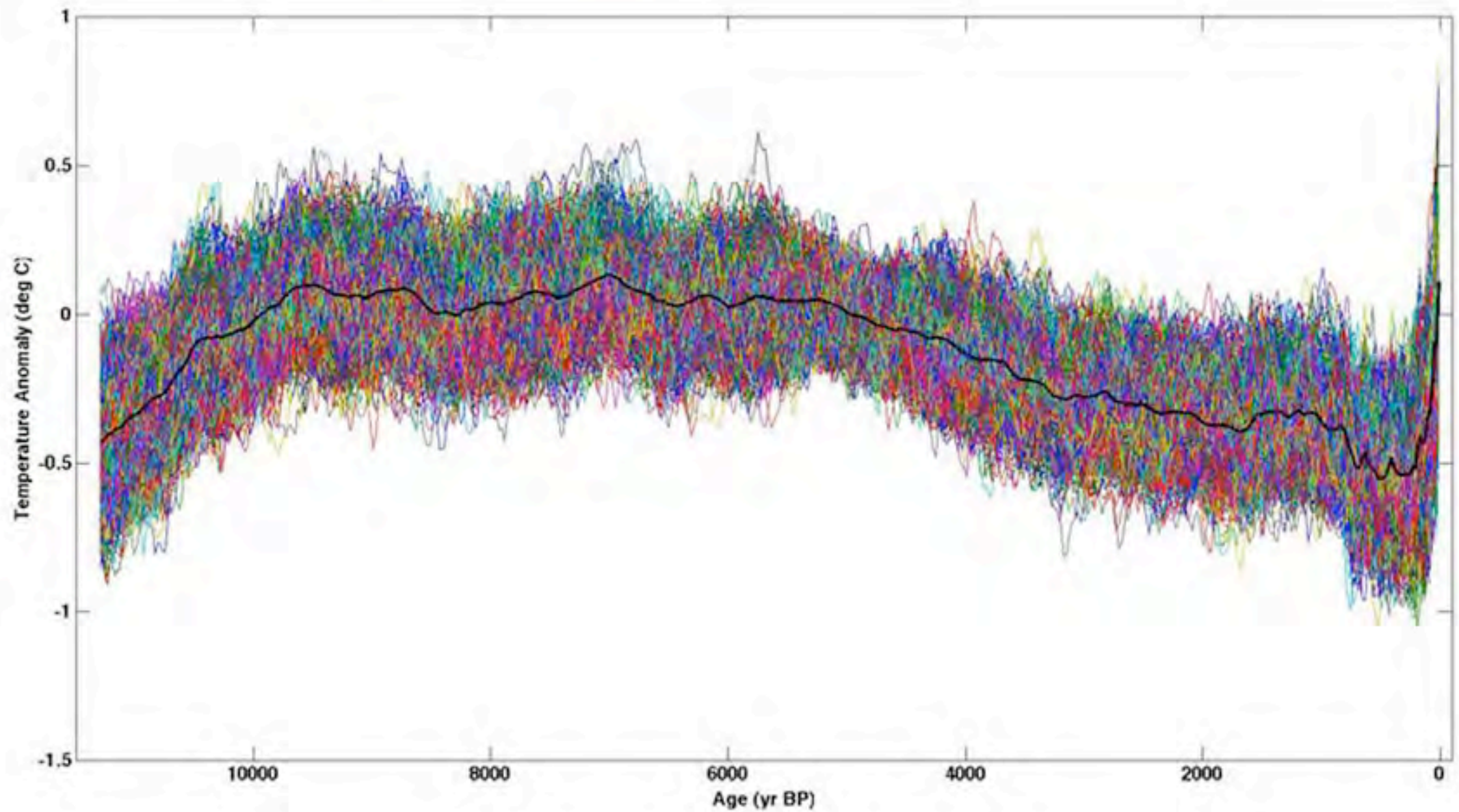
UGUST 1953

temperature rise of at least four r If most of man's industrial growth we a period of several thousand years, of b last c ocean d most exce t beca as, the he am king a past h year





11,000 Years of Global Temperatures



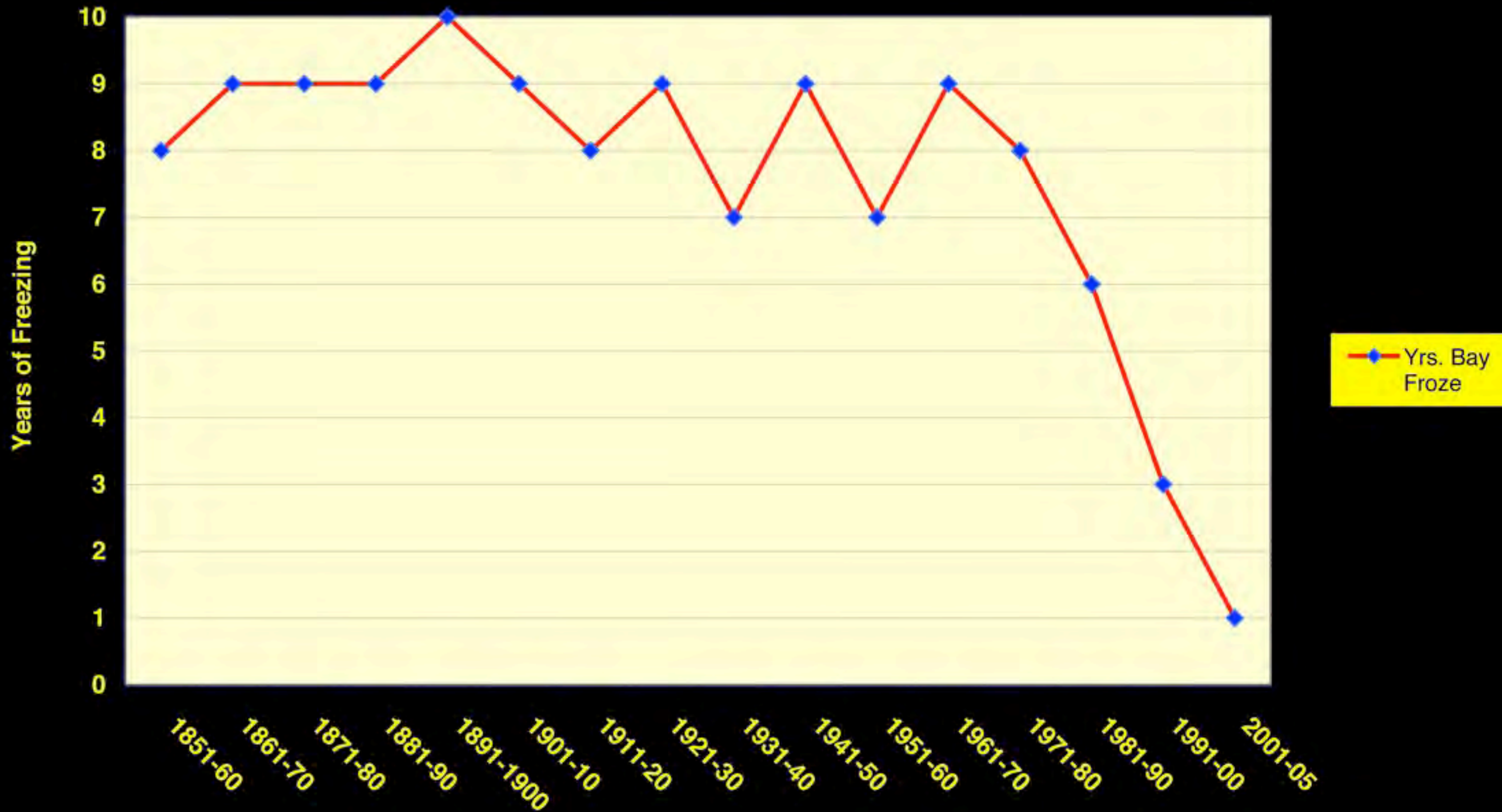
11,000 Years of Global Temperatures



A satellite image showing a large, dark, irregularly shaped area of open water, likely a melt pond or a large lake, surrounded by a complex pattern of white and grey ice. The ice appears fragmented and thin, with many small, dark patches visible. The overall scene suggests a significant reduction in ice cover, consistent with the text overlay.

**4 degrees F
Since 1980**

Grand Traverse Bay - Freezing by Decade 1851-2003









Sunday, December 15, 13





Increasing Algae blooms, even in winter




Increasing Algae blooms, even in winter

Increase in Toxic Algae blooms

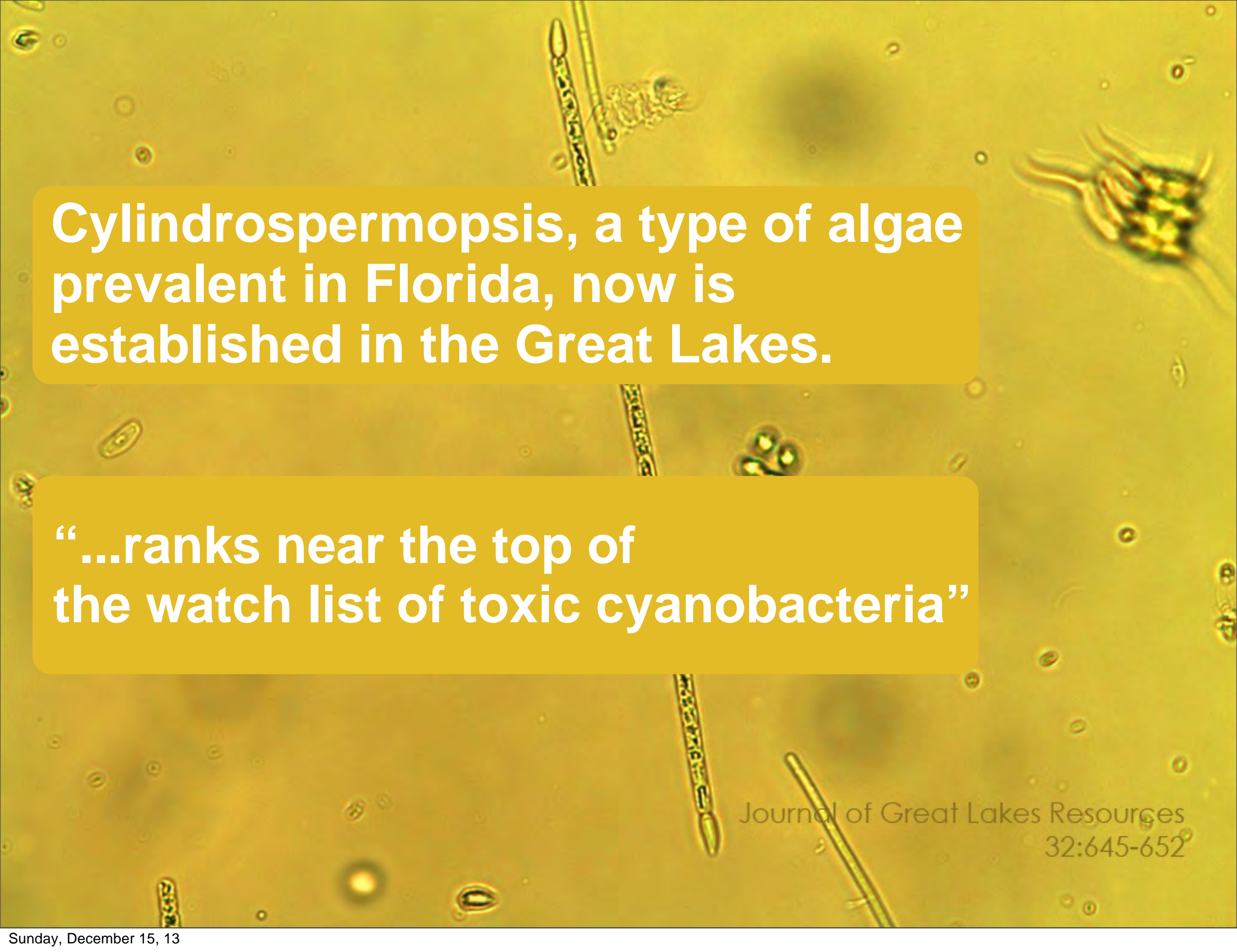


Journal of Great Lakes Resources
32:645-652

A microscopic image showing various forms of Cylindrospermopsis algae. The background is a yellowish-brown liquid. Several long, thin, cylindrical cells are visible, some with internal structures. There are also smaller, more rounded cells and some clusters of cells. The text is overlaid on a yellow rectangular background in the upper left quadrant.

Cylindrospermopsis, a type of algae prevalent in Florida, now is established in the Great Lakes.

Journal of Great Lakes Resources
32:645-652

A microscopic image showing various forms of Cylindrospermopsis algae. The background is a light yellowish-brown. There are several elongated, rod-shaped structures, some with internal striations or granules. Some structures appear to be in chains or clusters. There are also smaller, more rounded structures scattered throughout. The overall texture is slightly grainy, typical of a microscopic image.

Cylindrospermopsis, a type of algae prevalent in Florida, now is established in the Great Lakes.

“...ranks near the top of the watch list of toxic cyanobacteria”

Journal of Great Lakes Resources
32:645-652



Flood Inundation

2.1 Climatic Variations

Investigations into the overall trend of claims experience are indispensable, and here climatic variations become most significant. Such investigations involve a study of thermodynamic processes such as, for example, the rising temperature of the earth's atmosphere (as a result of which glaciers and the polar caps recede, surfaces of lakes are reduced and ocean temperatures rise); changes in the earth's atmosphere due to the large-scale increase in areas irrigated and cultivated and increases in humidity resulting therefrom; and lastly the pollution of the earth's atmosphere, e.g. rise of the CO₂ content of the air causing a change in the absorption of solar energy. We wish to enlarge on this complex of problems in greater detail, especially as—as far as we know—its conceivable impact on the long-range risk trend has hardly been examined to date.

most significant. Such investigations involve a study of thermodynamic processes such as, for example, the rising temperature of the earth's atmosphere (as a result of which glaciers and the polar caps recede, surfaces of lakes are reduced and ocean temperatures rise)

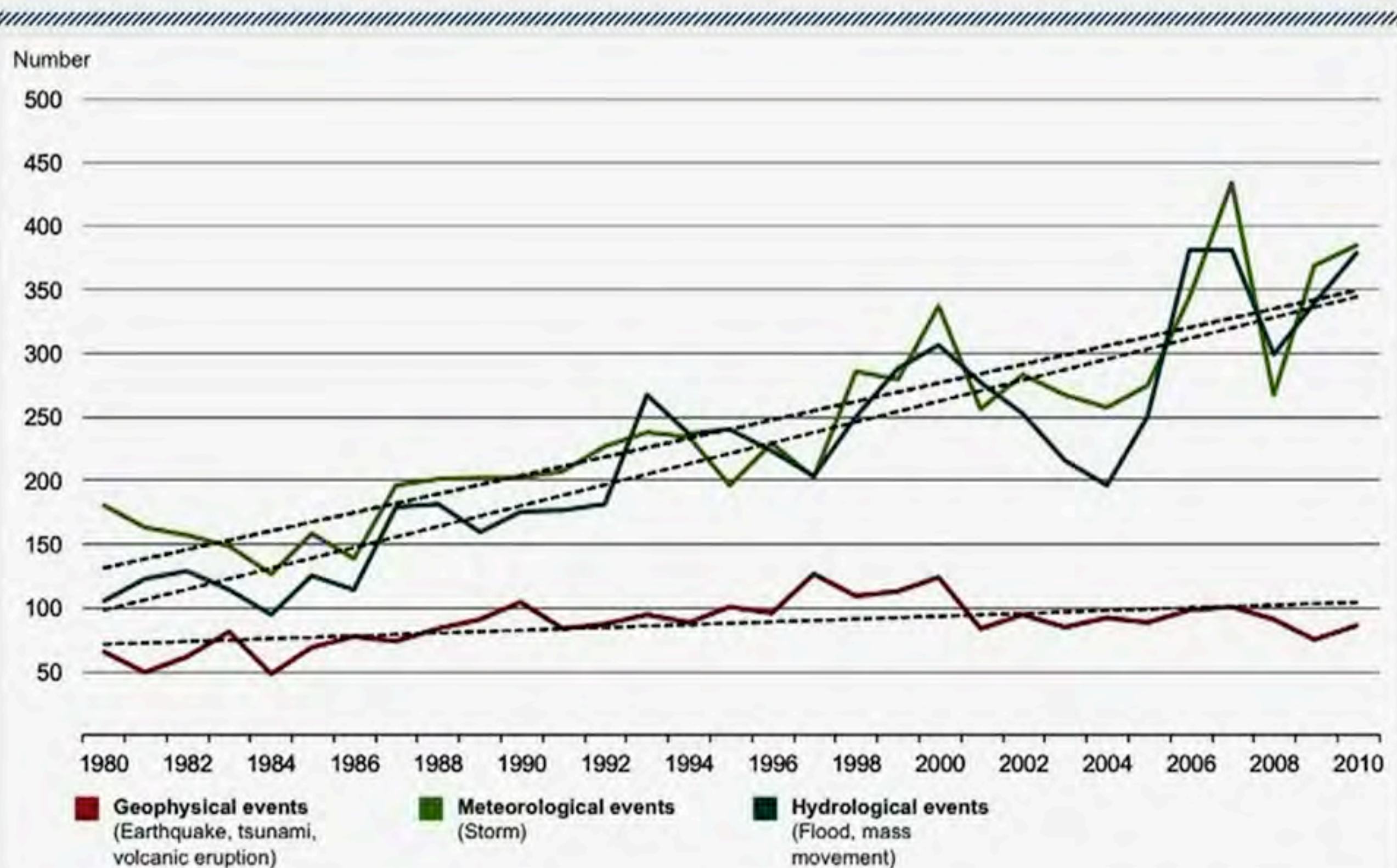
rise of the CO₂ content of the air causing a change in the absorption of solar energy.

especially as—as far as we know—its conceivable impact on the long-range risk trend has hardly been examined to date.

MR-Publication
Flood / Inundation (August 1973)

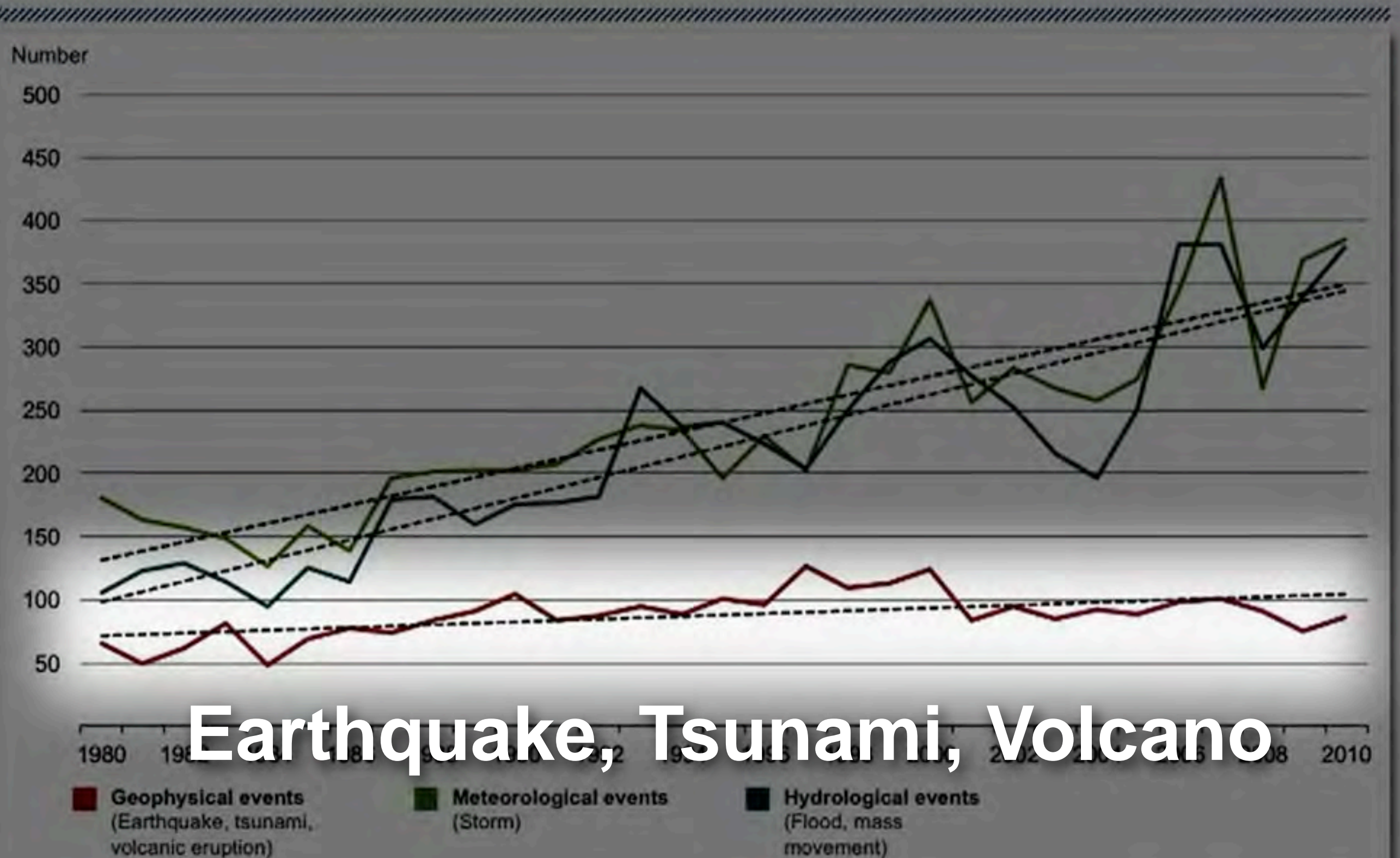
Natural catastrophes worldwide, 1980 – 2010

Number of events by peril with trend



Natural catastrophes worldwide, 1980 – 2010

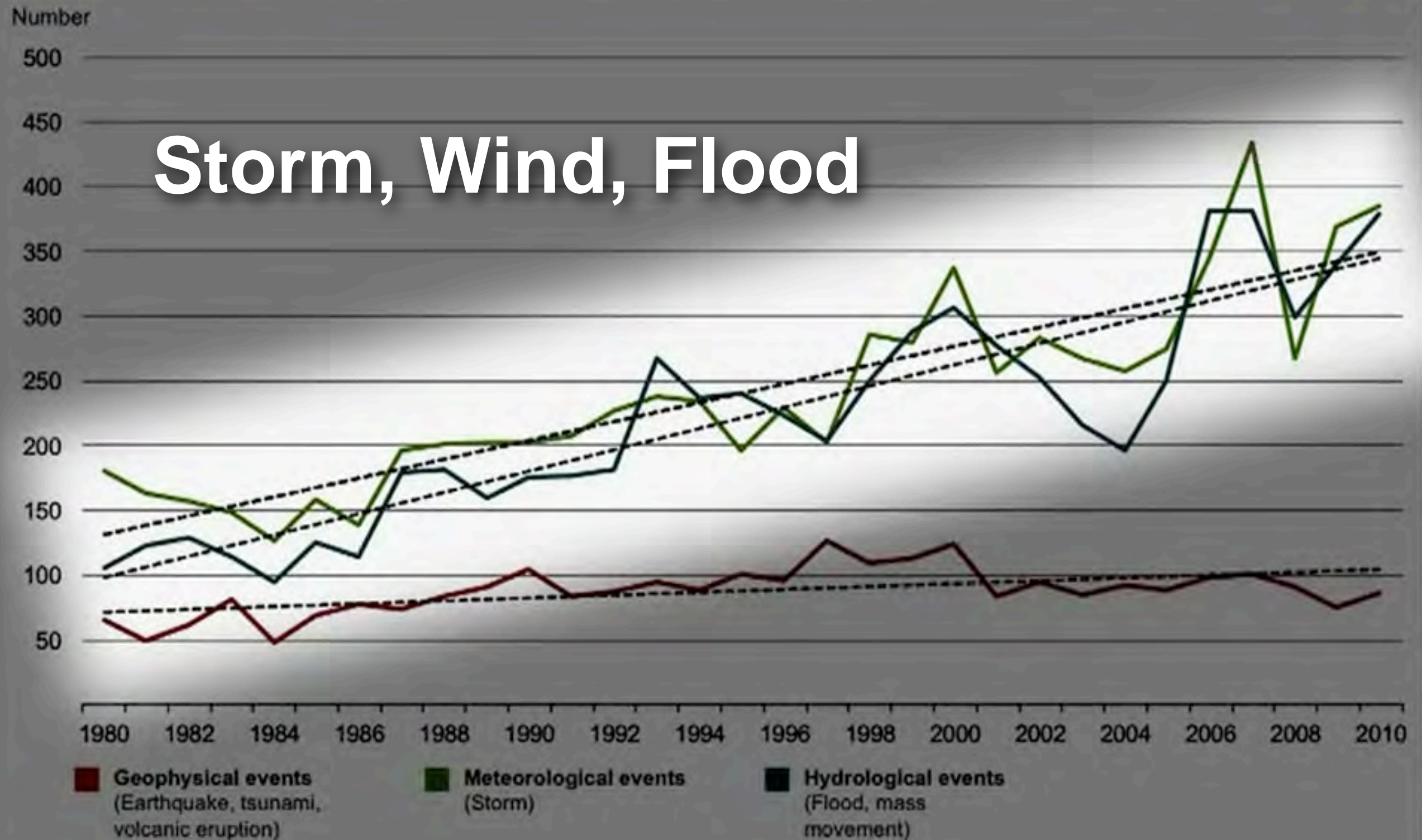
Number of events by peril with trend



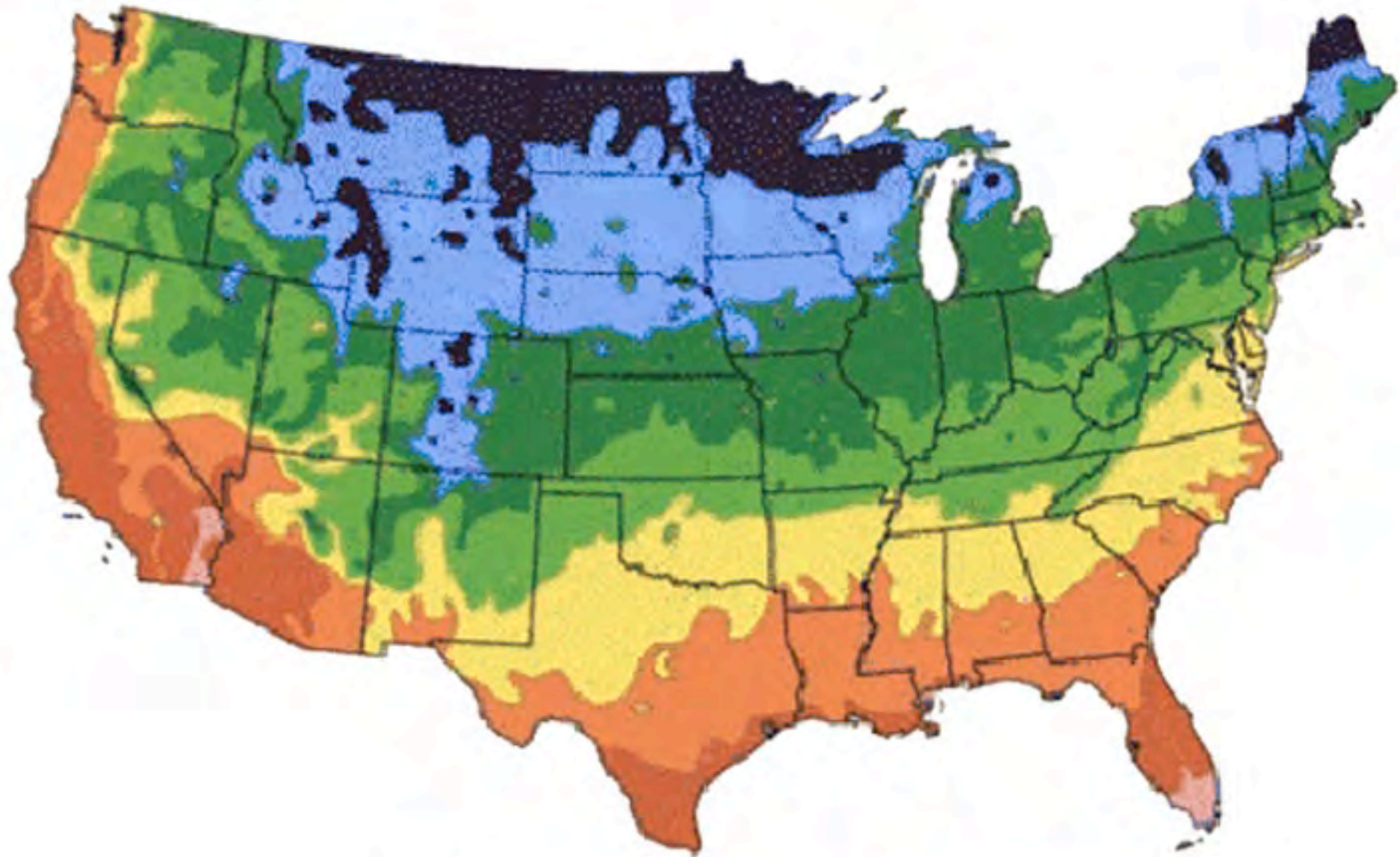
Earthquake, Tsunami, Volcano

Natural catastrophes worldwide, 1980 – 2010

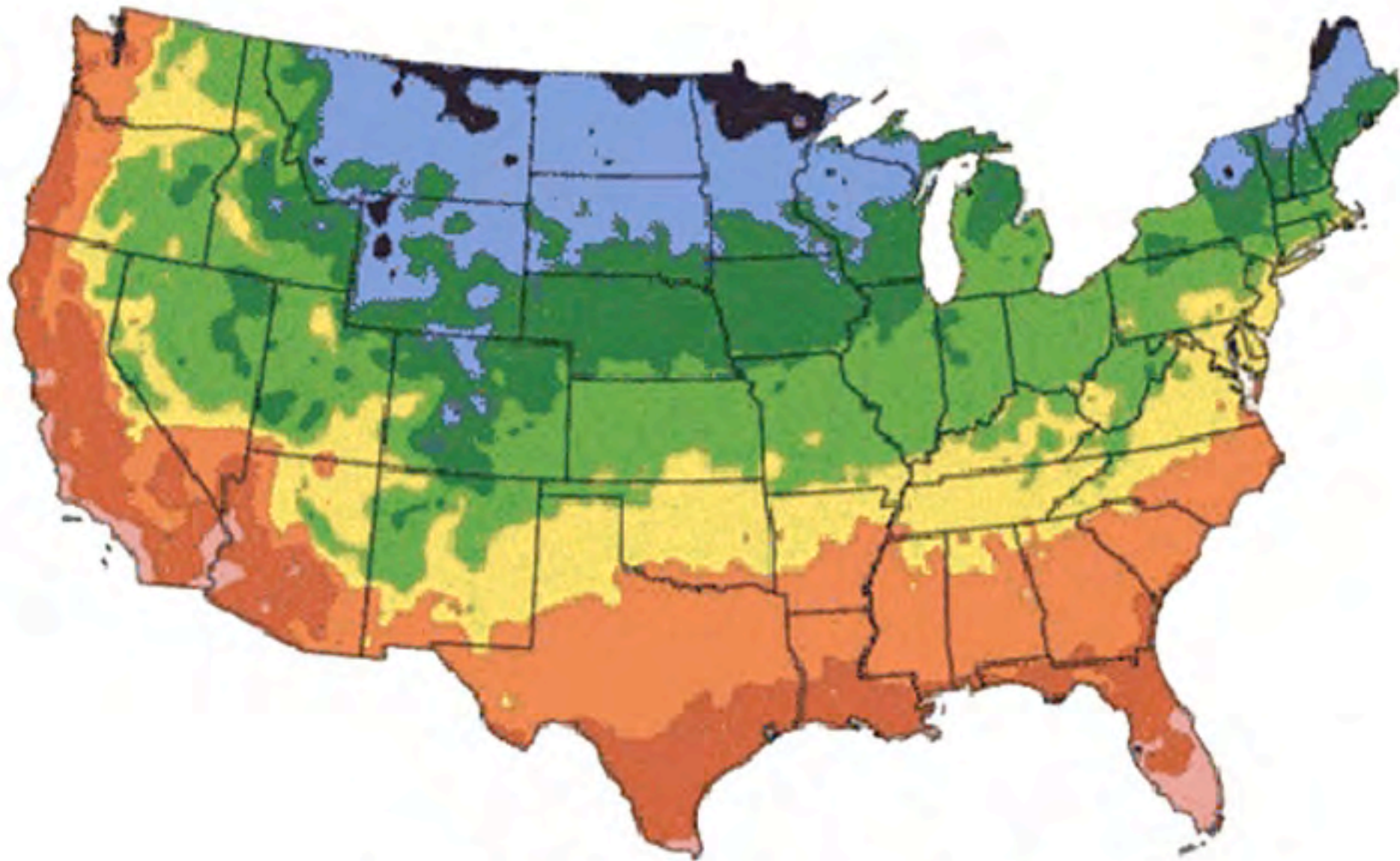
Number of events by peril with trend



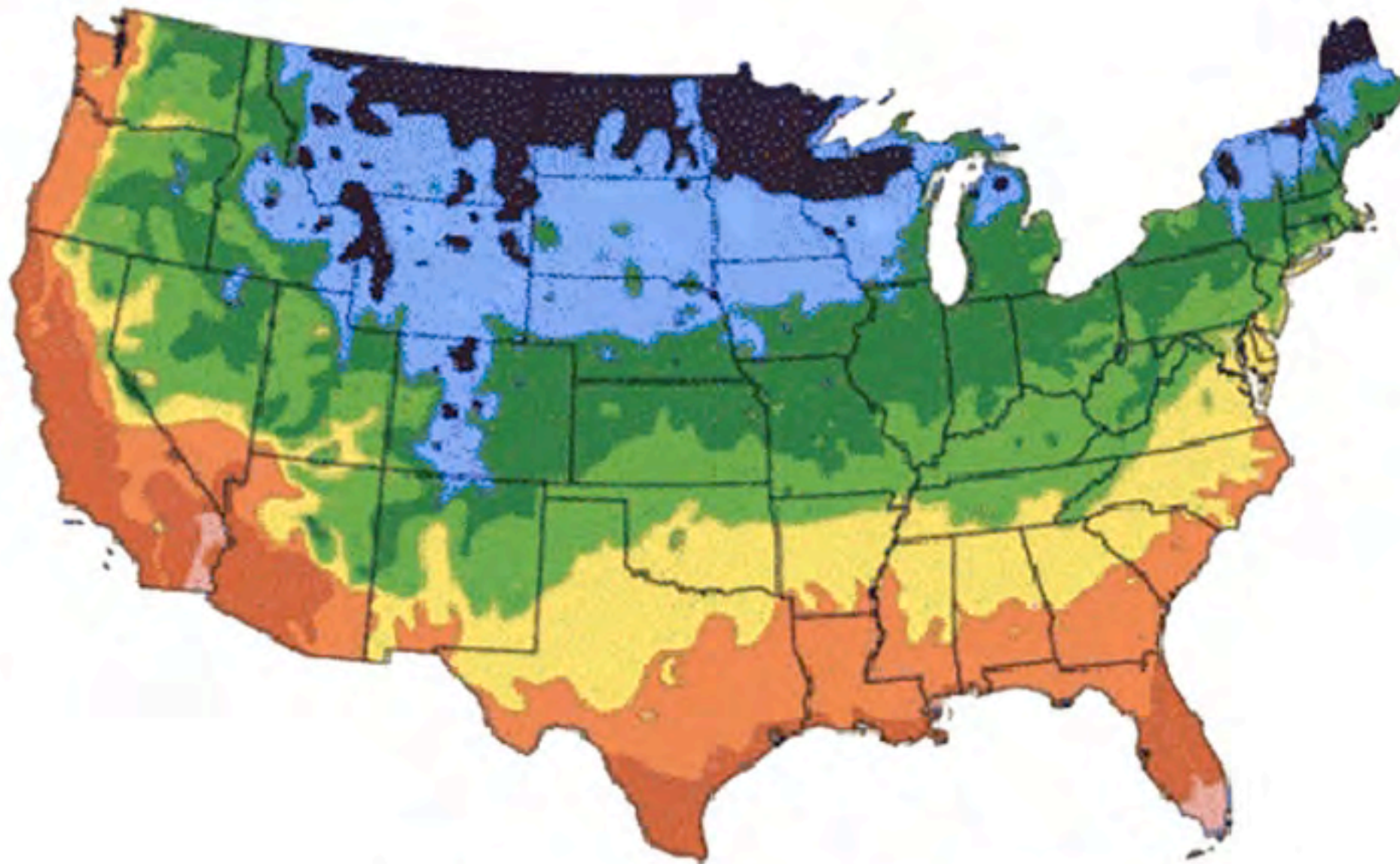




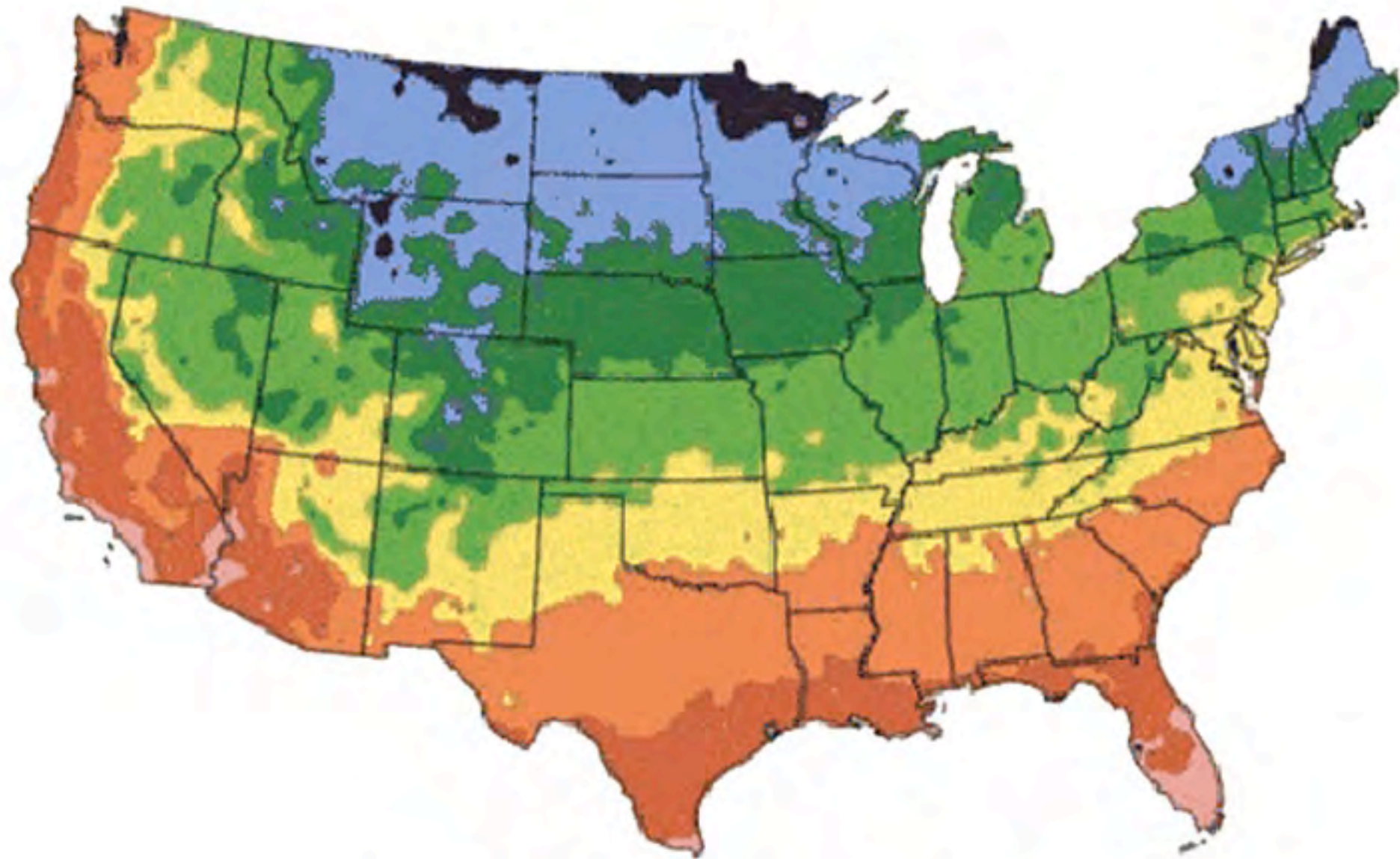
2006 by The National Arbor Day Foundation



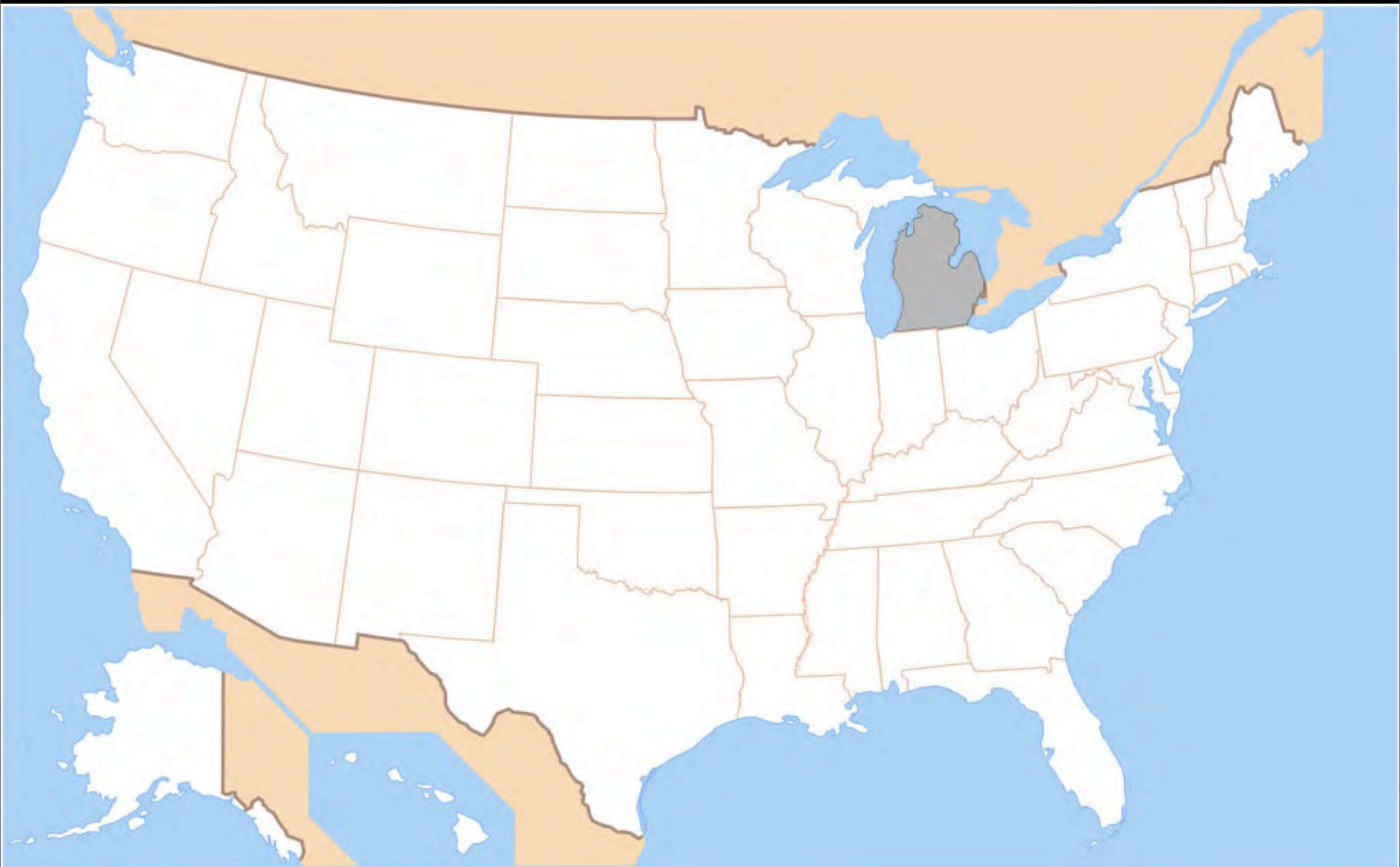
2006 by The National Arbor Day Foundation



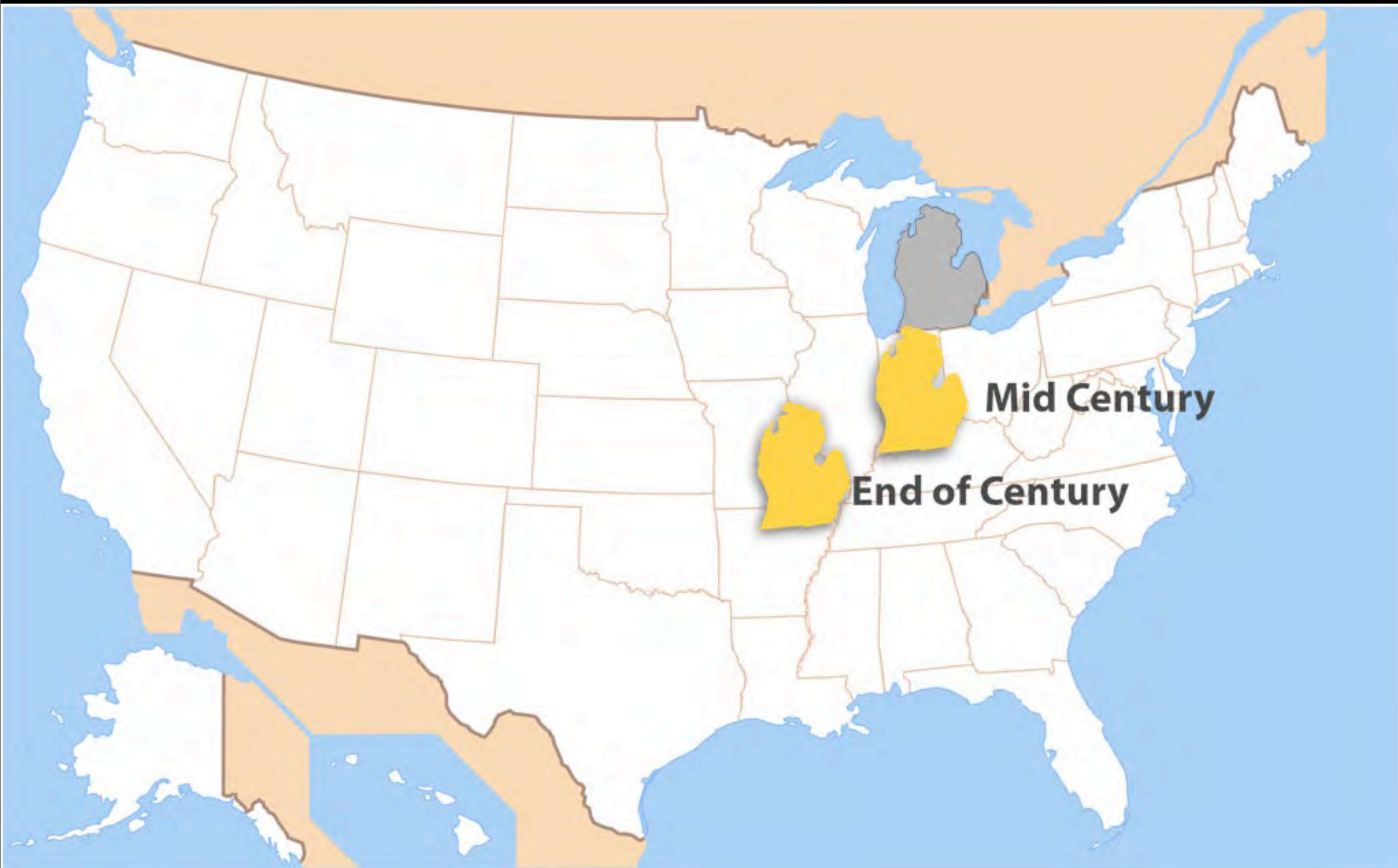
2006 by The National Arbor Day Foundation

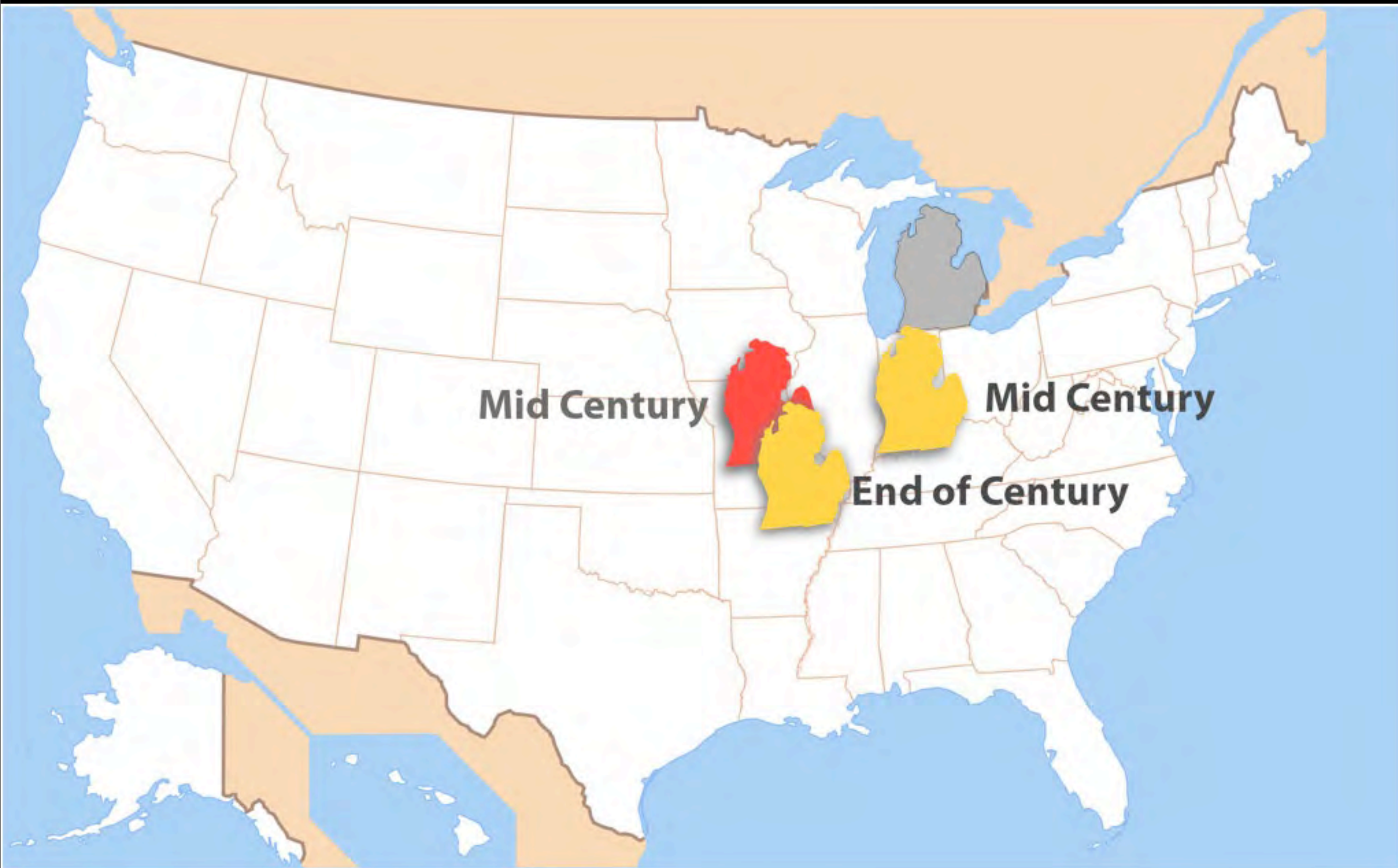


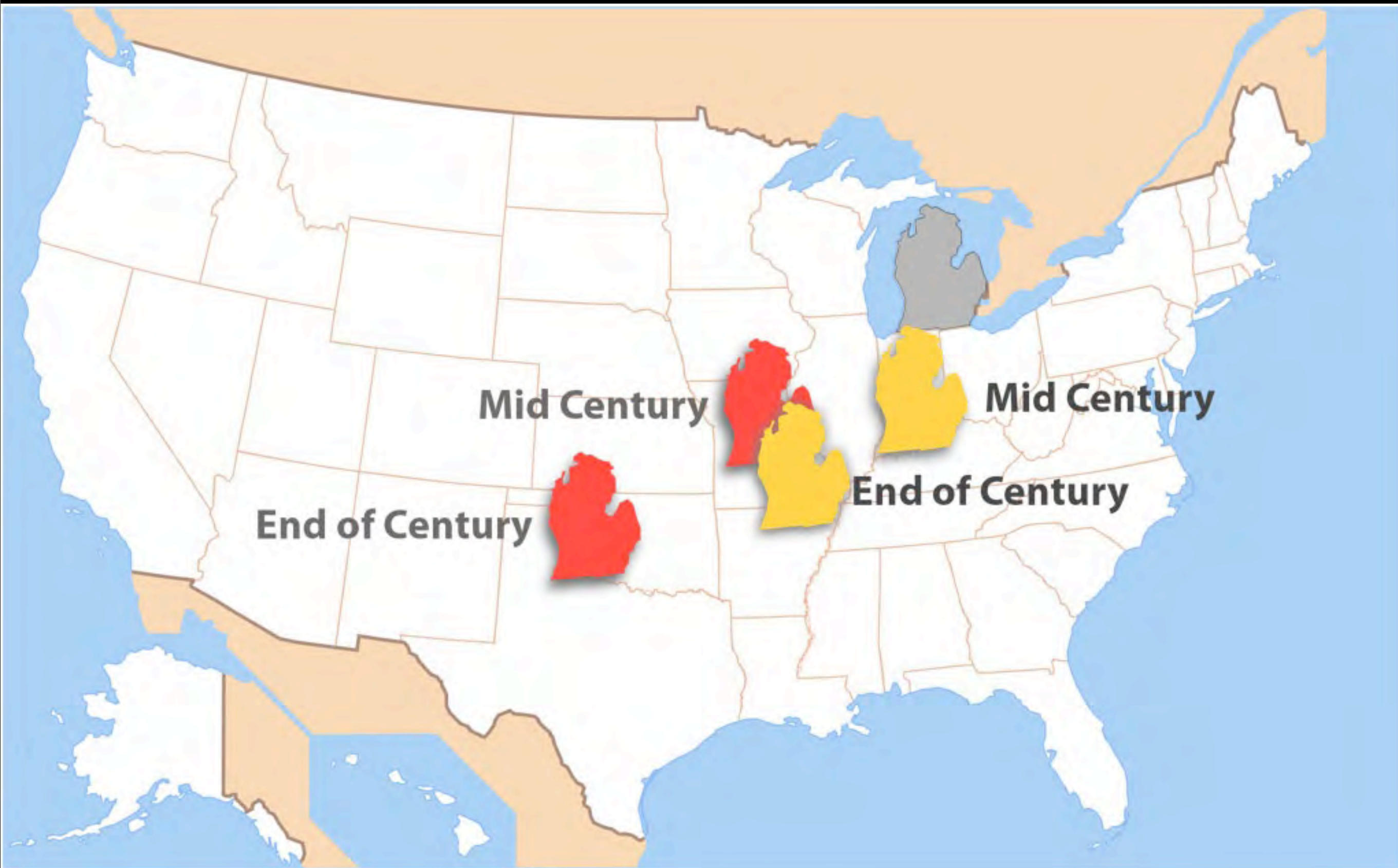
2006 by The National Arbor Day Foundation

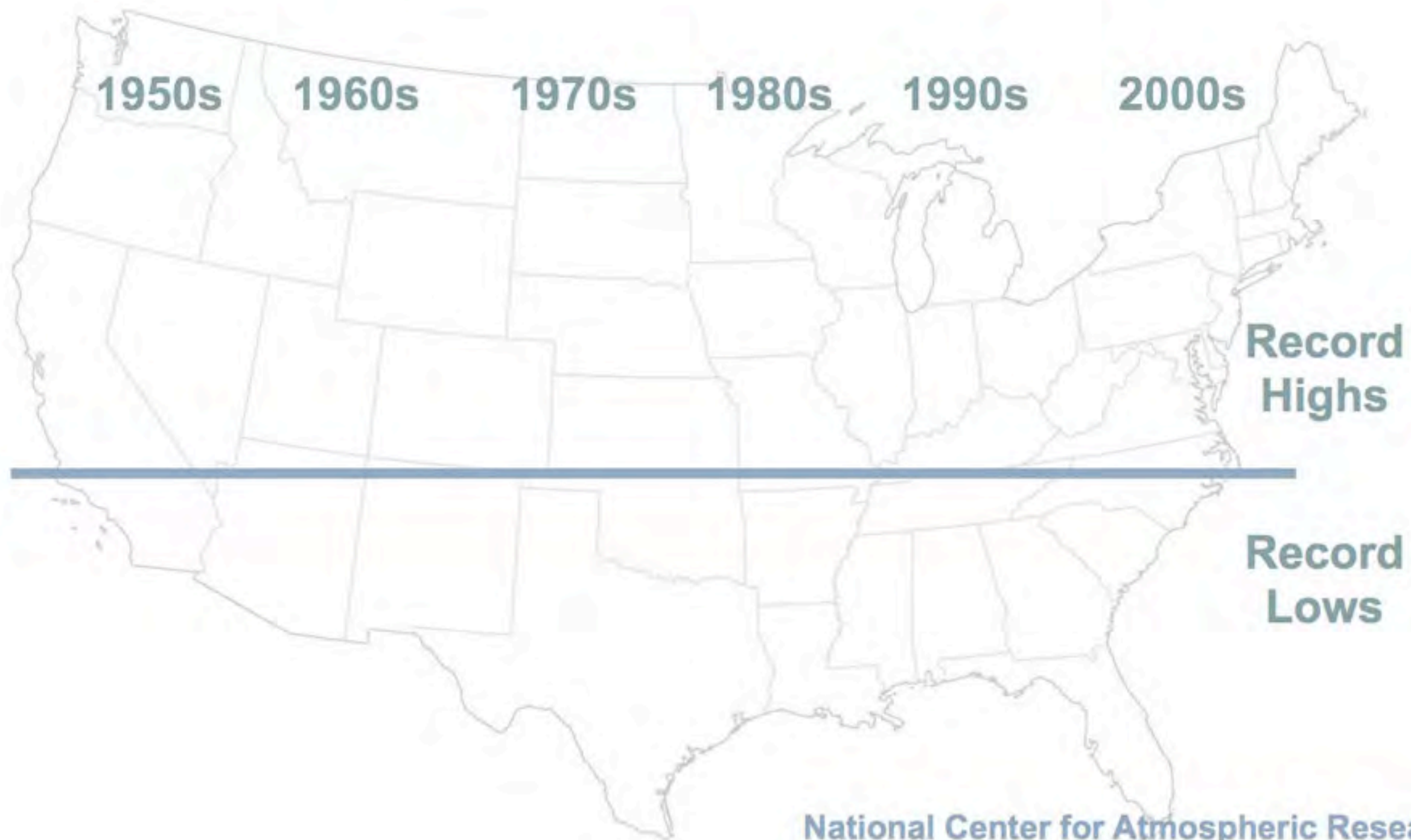




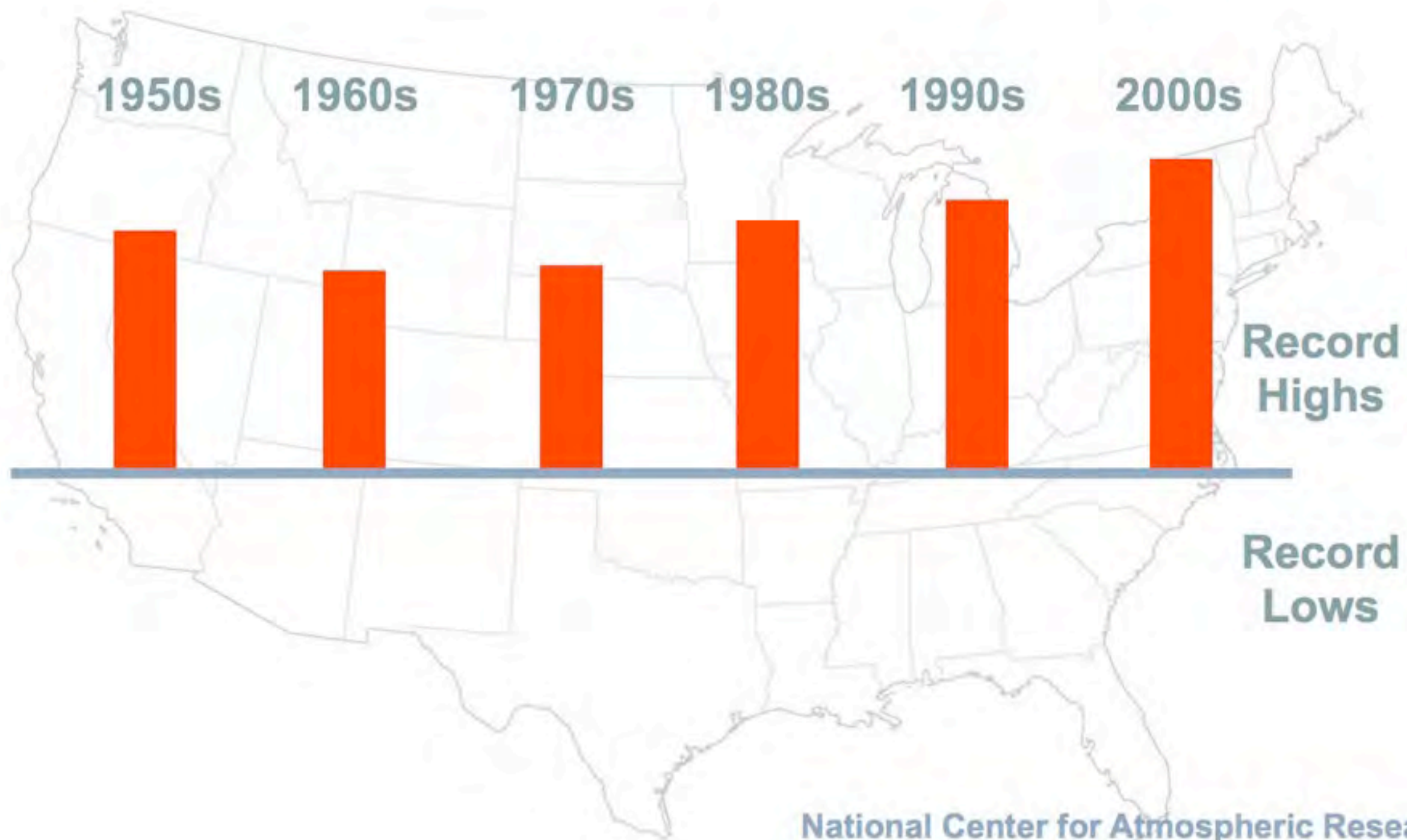




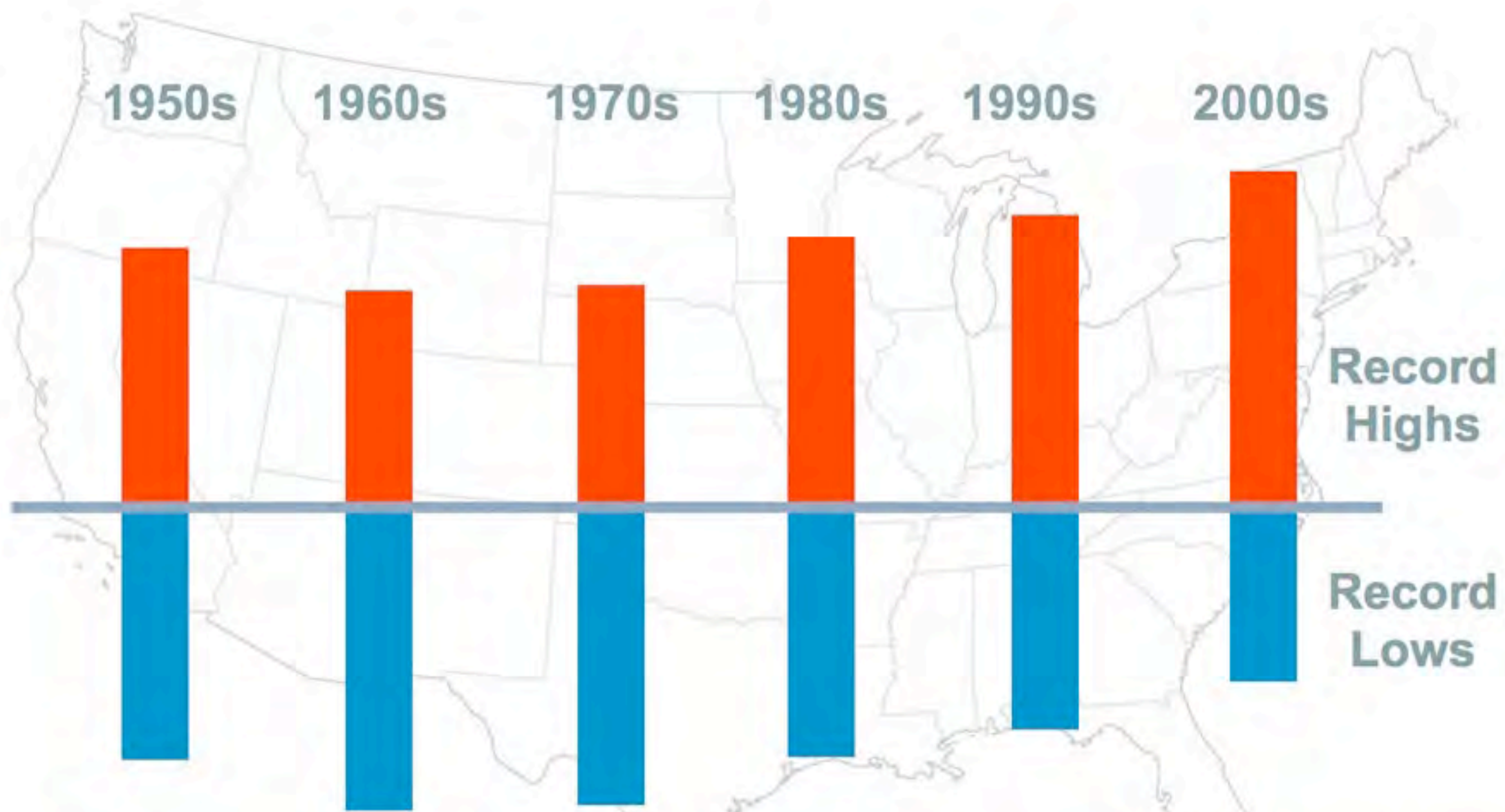




National Center for Atmospheric Research
2009

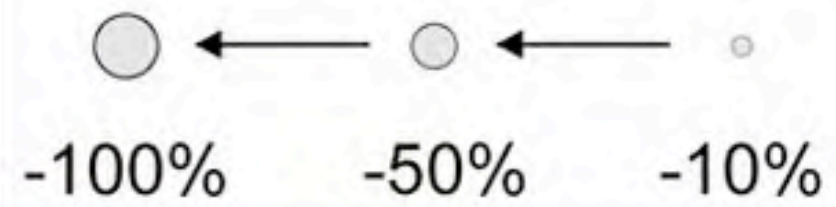


National Center for Atmospheric Research
2009

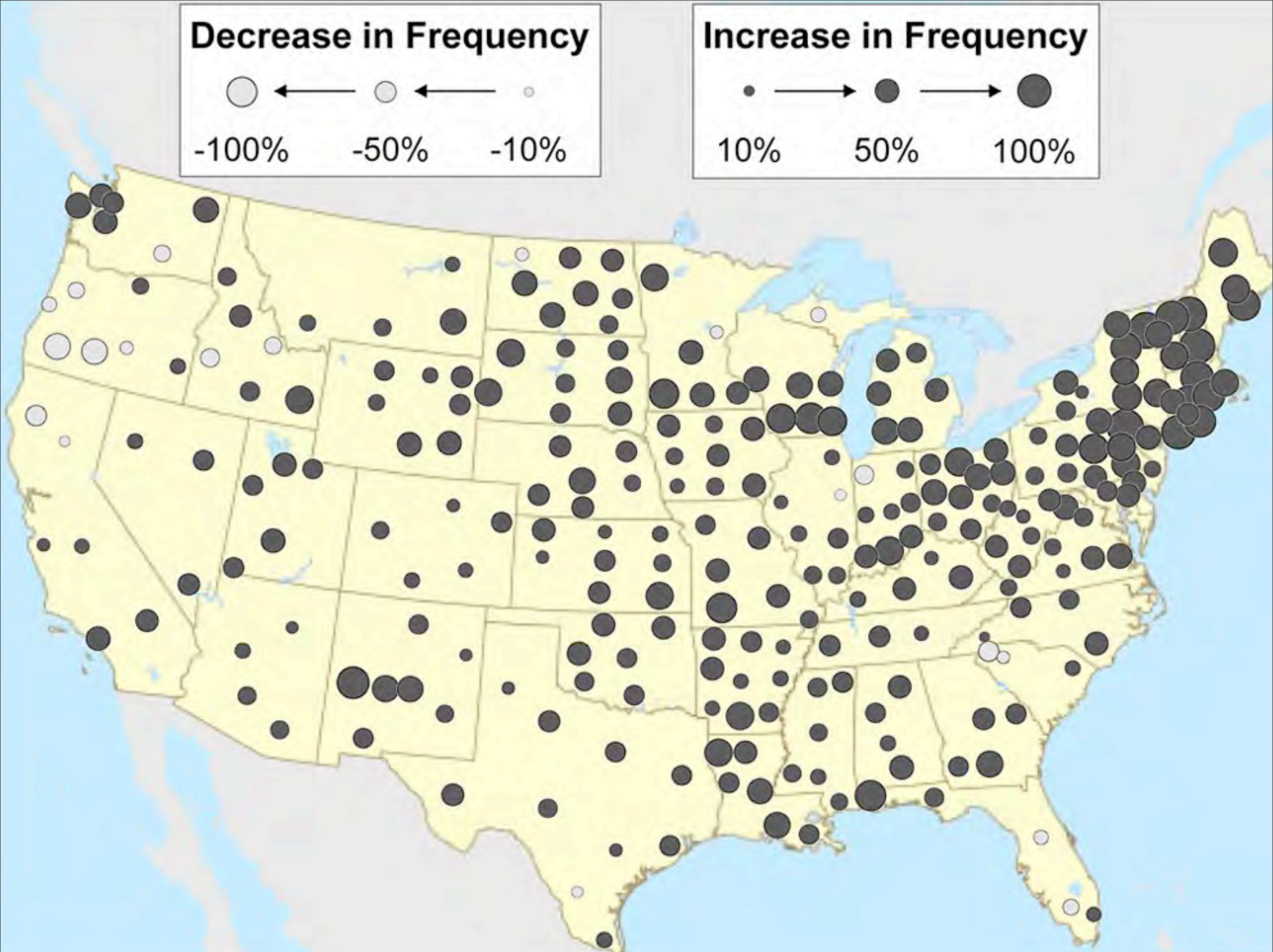
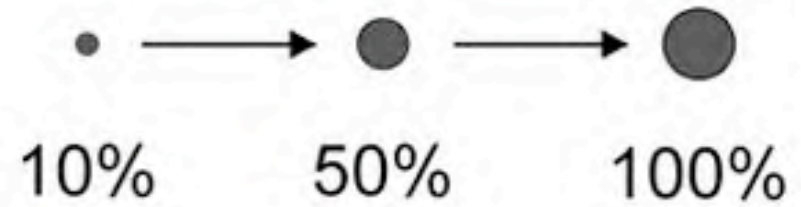


National Center for Atmospheric Research
2009

Decrease in Frequency

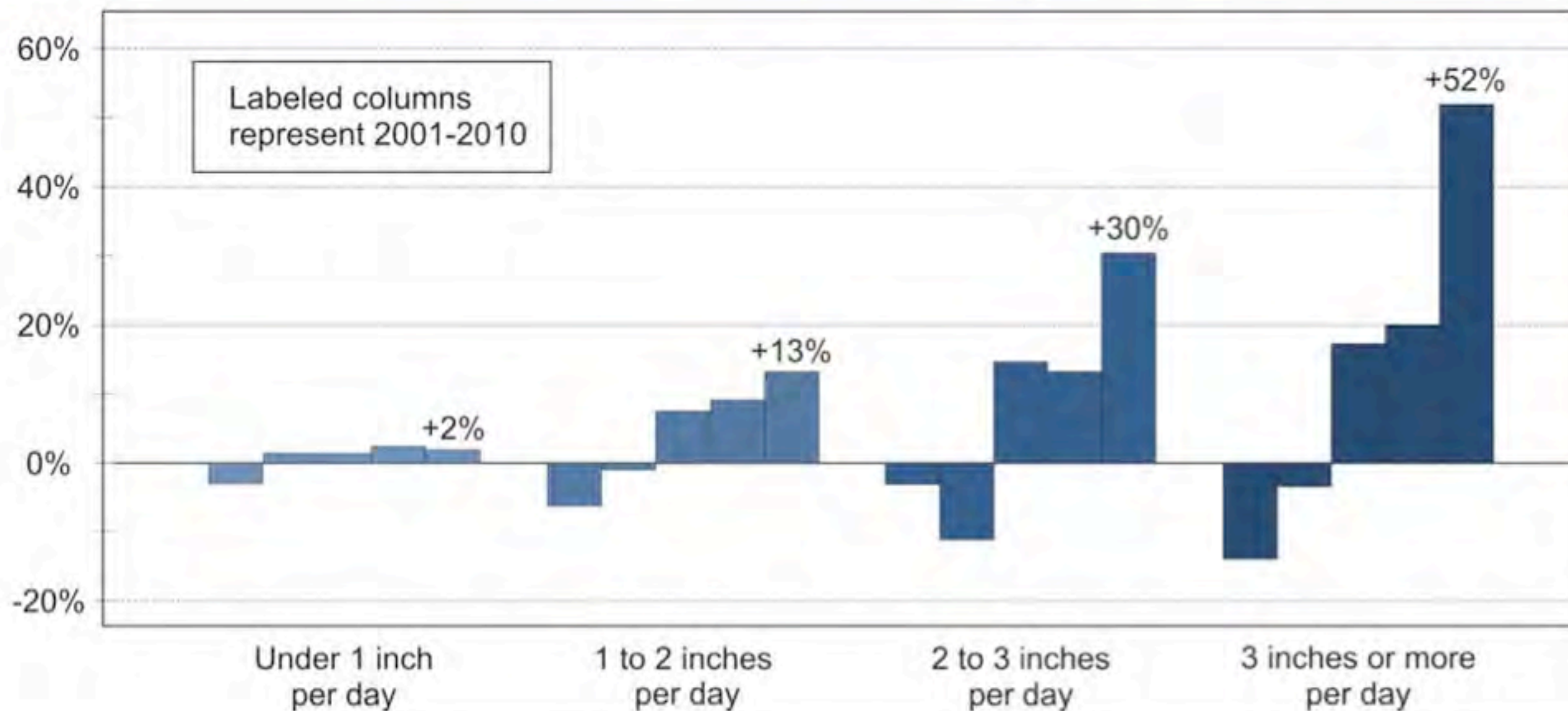


Increase in Frequency

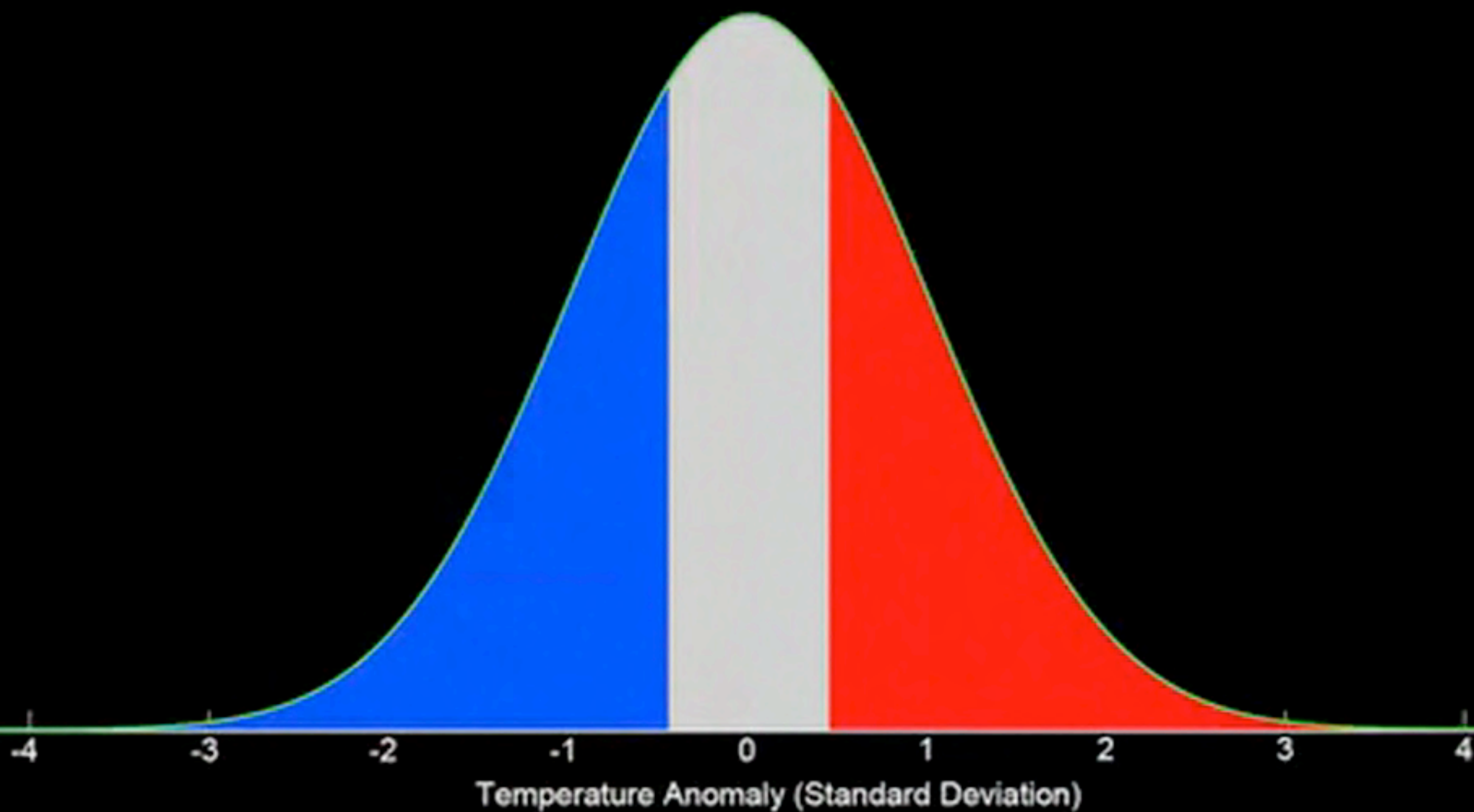


Frequency of Storms by Size in the Midwest

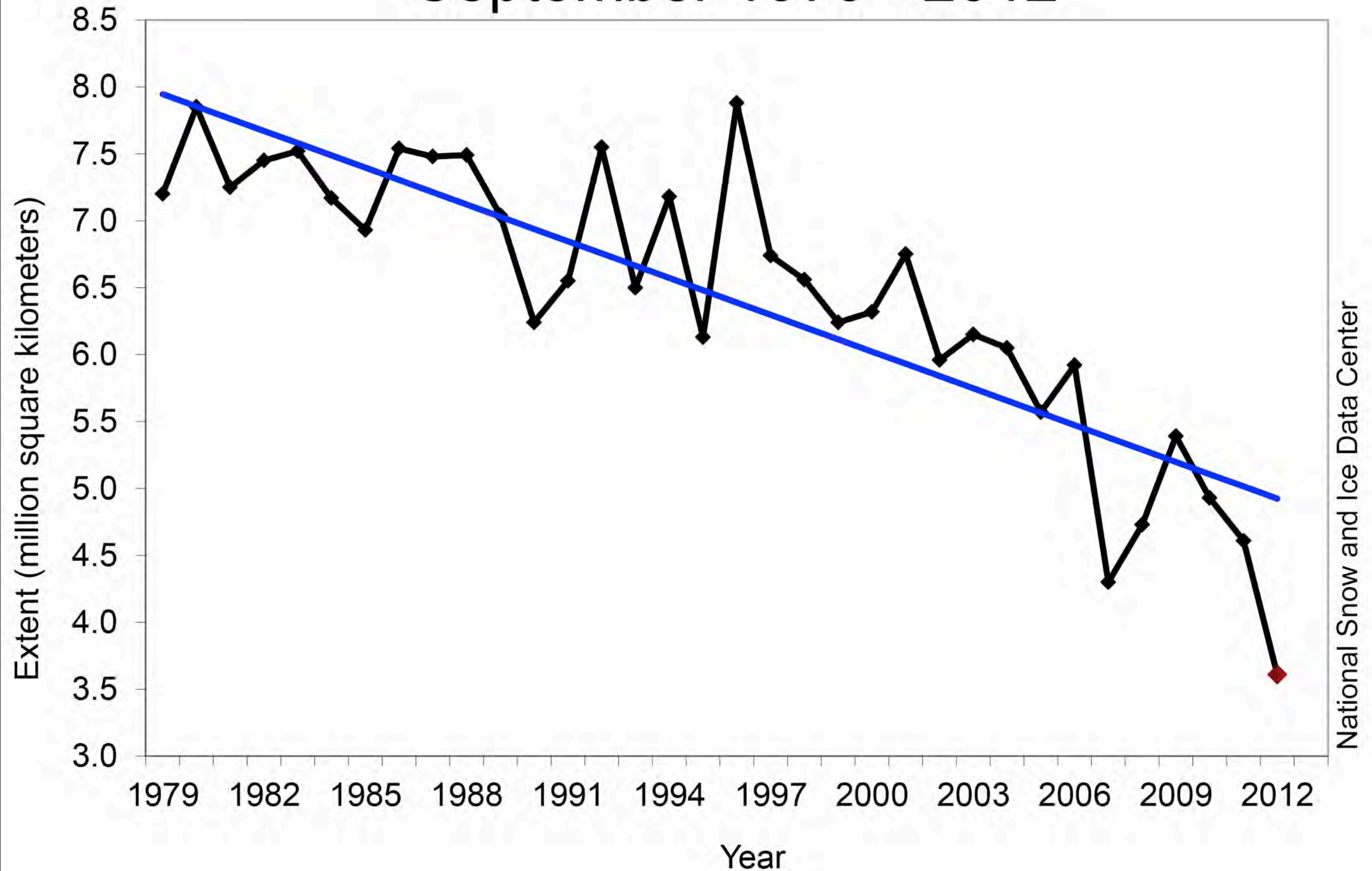
Changes by Decade, 1960s Through 2000s, Compared to 1961-1990



Shifting Distribution of Summer Temperature Anomalies

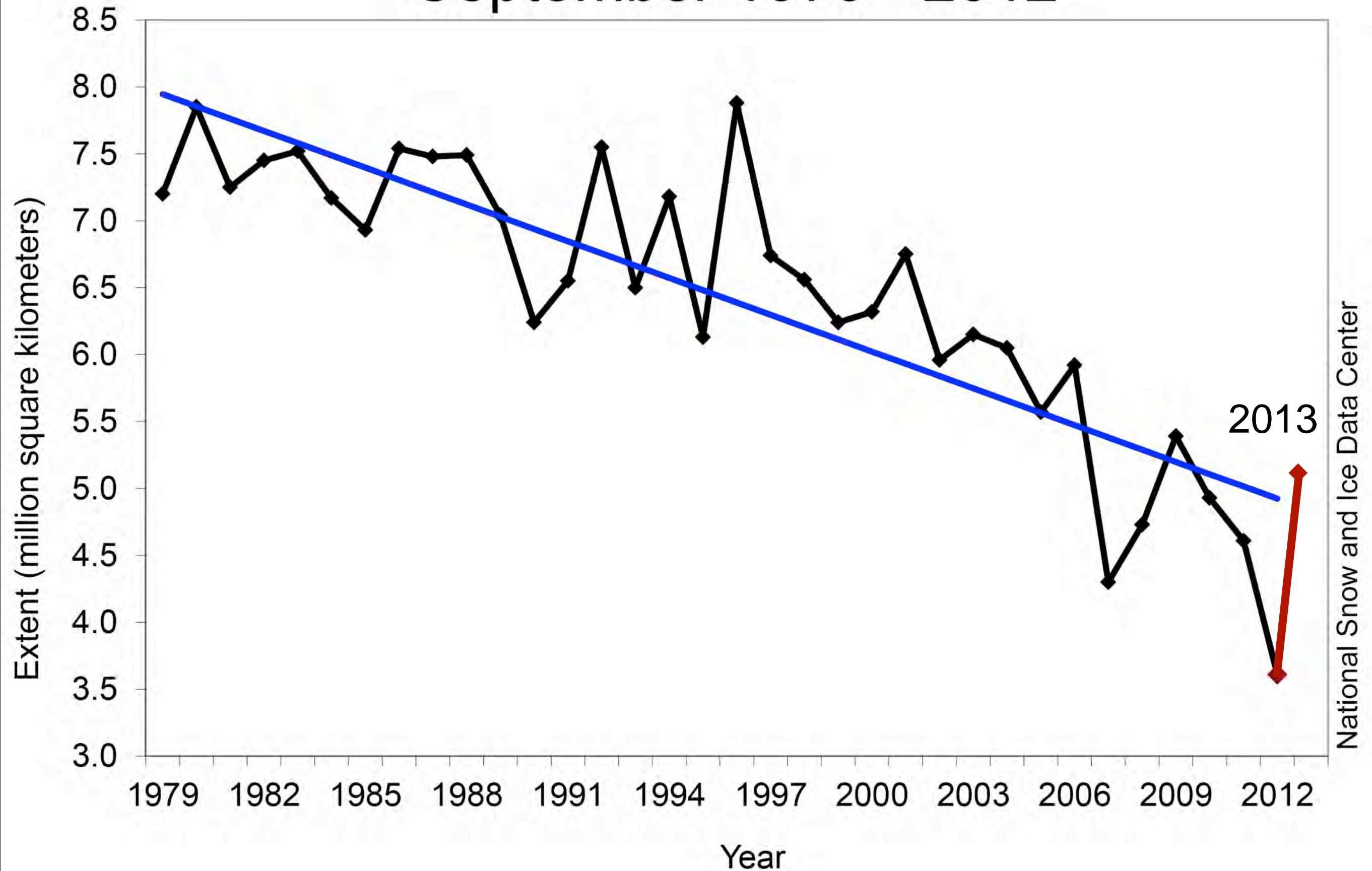


Average Monthly Arctic Sea Ice Extent September 1979 - 2012



National Snow and Ice Data Center

Average Monthly Arctic Sea Ice Extent September 1979 - 2012



MailOnline

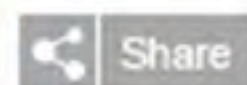
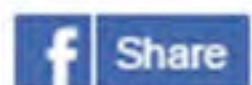
[Home](#) | [U.K. Home](#) | **[News](#)** | [Sport](#) | [U.S. Showbiz](#) | [Femail](#) | [Health](#) | [Science](#) | [Money](#) | [Right](#)[News Home](#) | [Arts](#) | [Headlines](#) | [Pictures](#) | [Most read](#) | [News Board](#)

And now it's global COOLING! Record return of Arctic ice cap as it grows by 60% in a year

- Almost a million more square miles of ocean covered with ice than in 2012
- BBC reported in 2007 global warming would leave Arctic ice-free in summer by 2013
- Publication of UN climate change report suggesting global warming caused by humans pushed back to later this month

By [DAVID ROSE](#)

PUBLISHED: 18:37 EST, 7 September 2013 | UPDATED: 07:01 EST, 8 September 2013

**163,319** shares **1,115** View comments

MailOnline

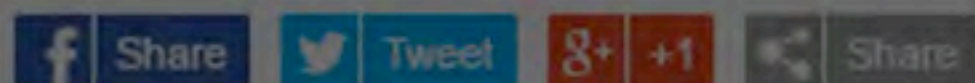
[Home](#) | [U.K. Home](#) | **[News](#)** | [Sport](#) | [U.S. Showbiz](#) | [Femail](#) | [Health](#) | [Science](#) | [Money](#) | [Right](#)[News Home](#) | [Arts](#) | [Headlines](#) | [Pictures](#) | [Most read](#) | [News Board](#)

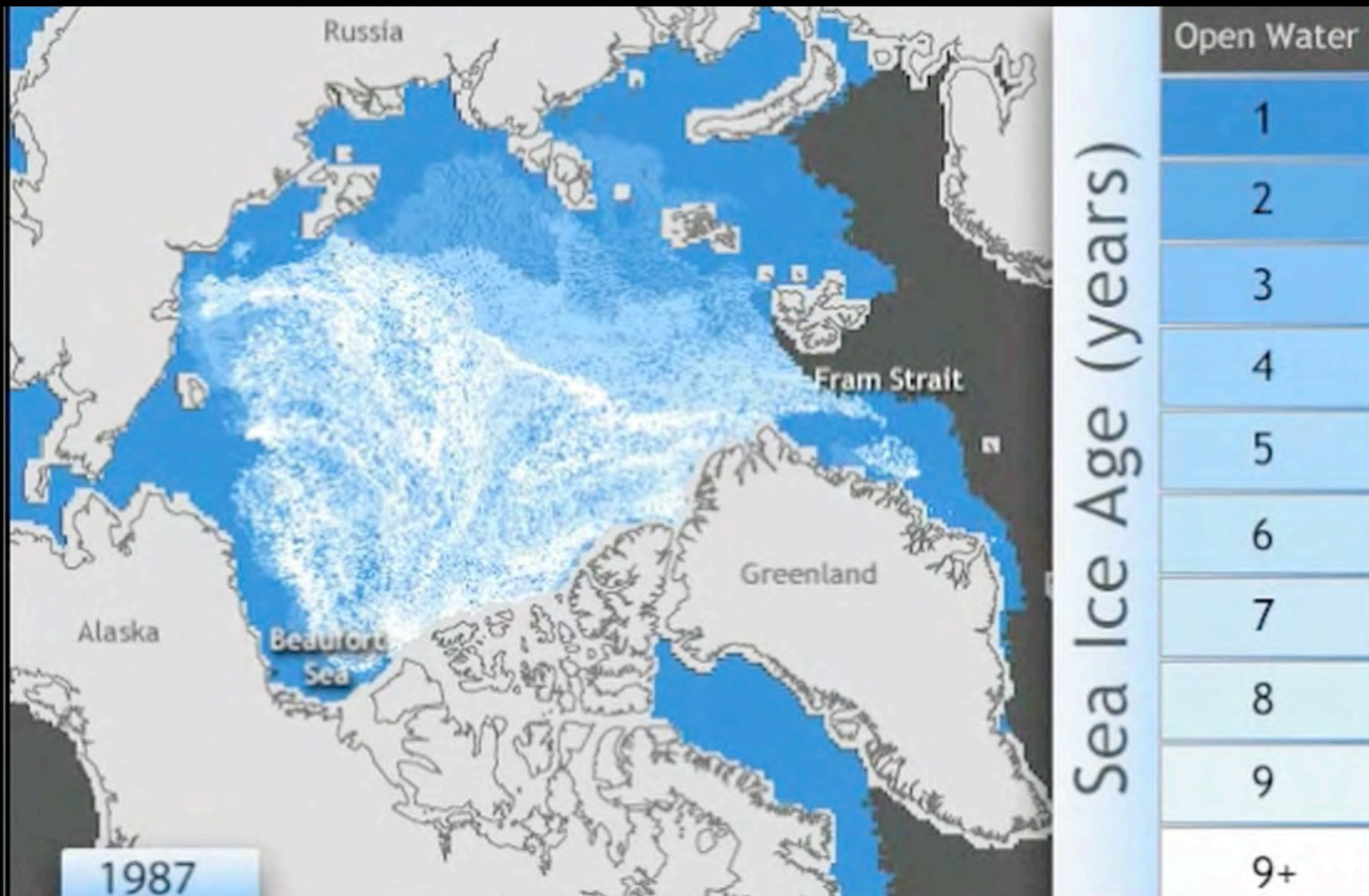
And now it's global COOLING! Record return of Arctic ice cap as it grows by 60% in a year

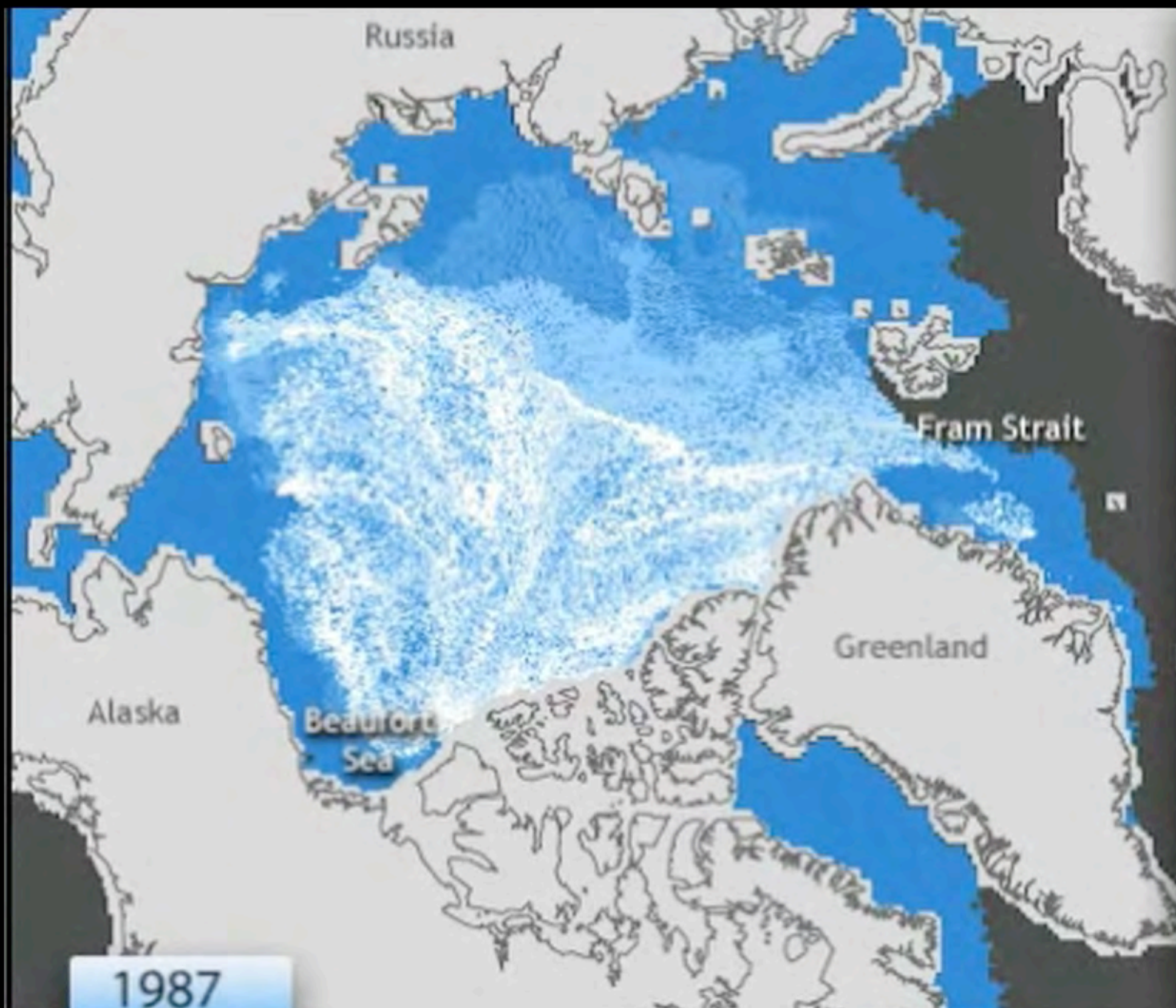
- Almost a million more square miles of ocean covered with ice than in 2012
- BBC reported in 2007 global warming would leave Arctic ice-free in summer by 2013
- Publication of UN climate change report suggesting global warming caused by humans pushed back to later this month

By [DAVID ROSE](#)

PUBLISHED: 18:37 EST, 7 September 2013 | UPDATED: 07:01 EST, 8 September 2013

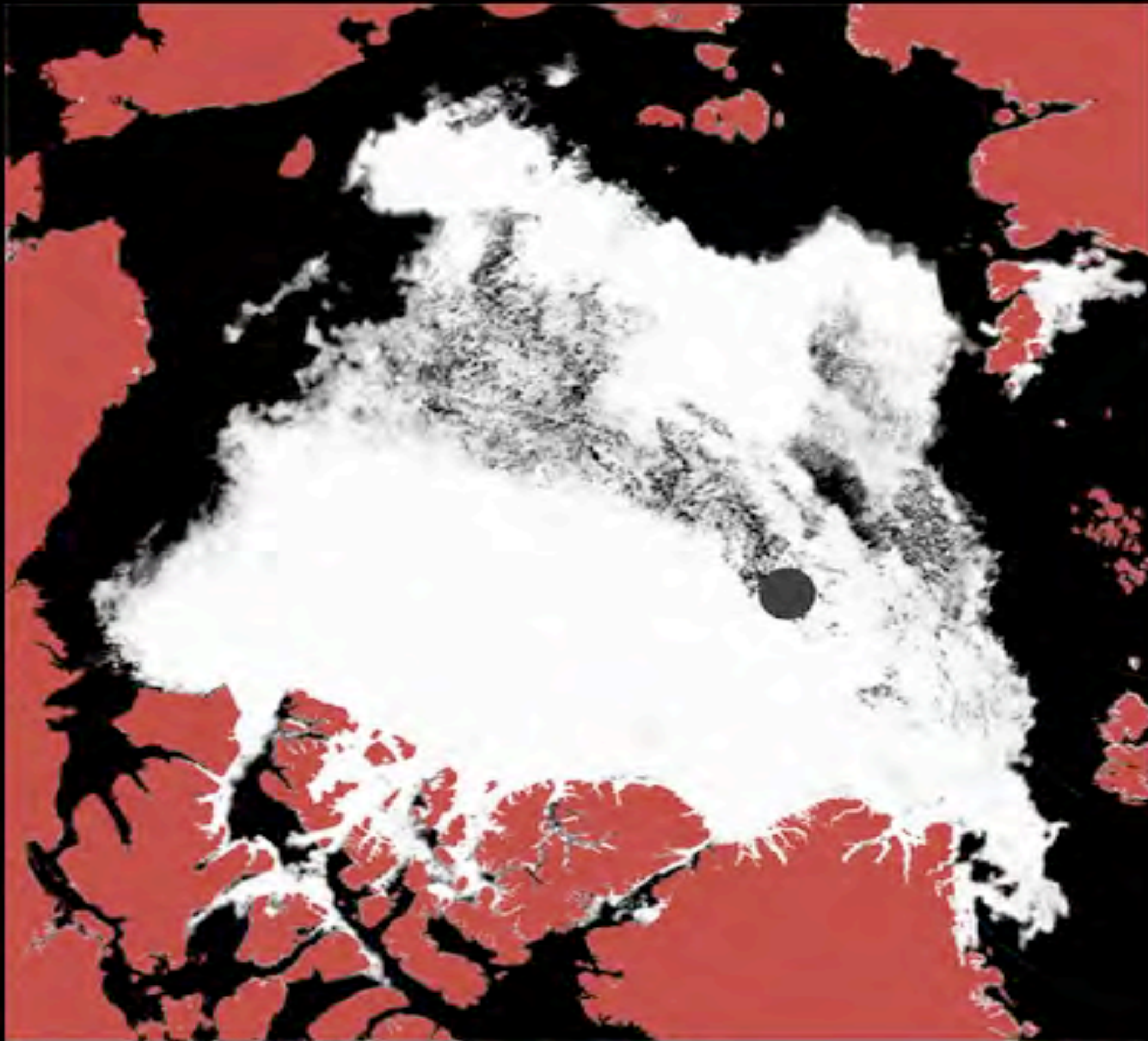
**163,319** shares **1,115** View comments



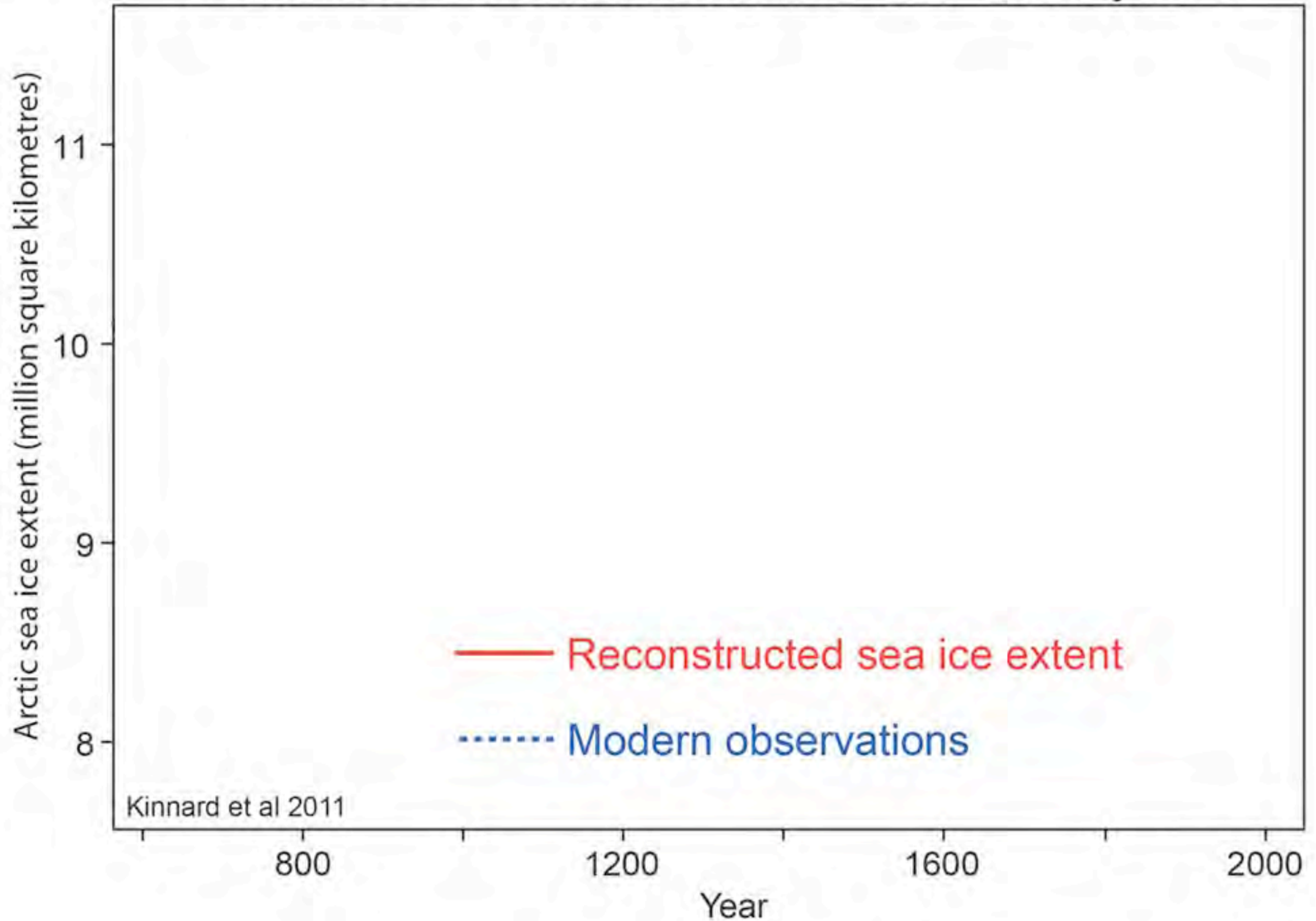


Sea Ice Age (years)

Open Water
1
2
3
4
5
6
7
8
9
9+



Arctic sea ice extent over the last 1,450 years



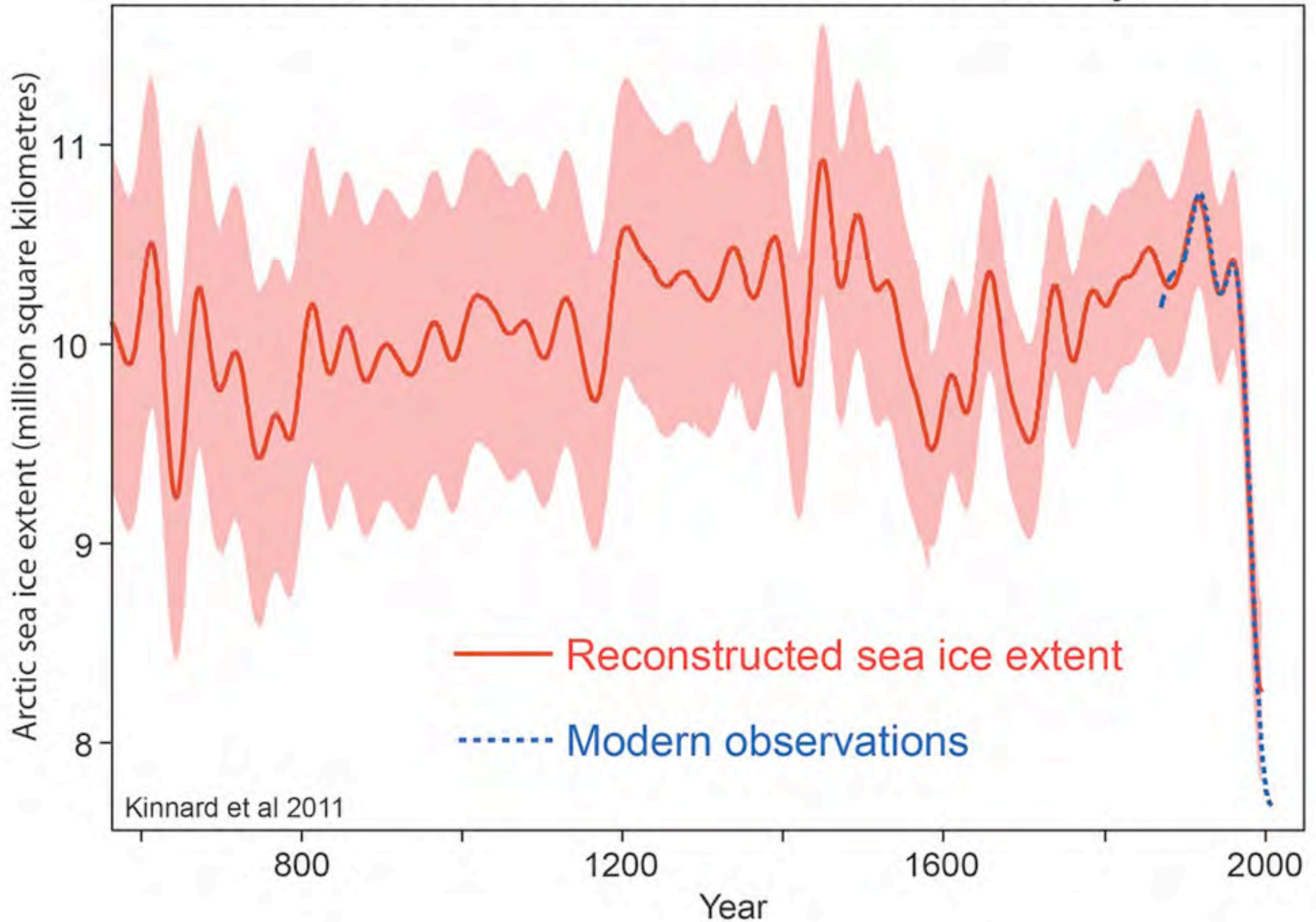
The graph displays two data series over a 4000-year period. The x-axis represents the year, with major ticks at 800, 1200, 1600, and 2000. The y-axis represents sea ice extent, with a horizontal line at the 0 level. The 'Reconstructed sea ice extent' is shown as a solid red line, which is surrounded by a light red shaded area representing the range of uncertainty. This line shows significant fluctuations, with a notable peak around 1400 BC and a general decline after 1000 BC. The 'Modern observations' are shown as a dashed blue line, which begins around 1850 AD and follows the reconstructed line closely, showing a sharp increase in sea ice extent in the late 20th century.

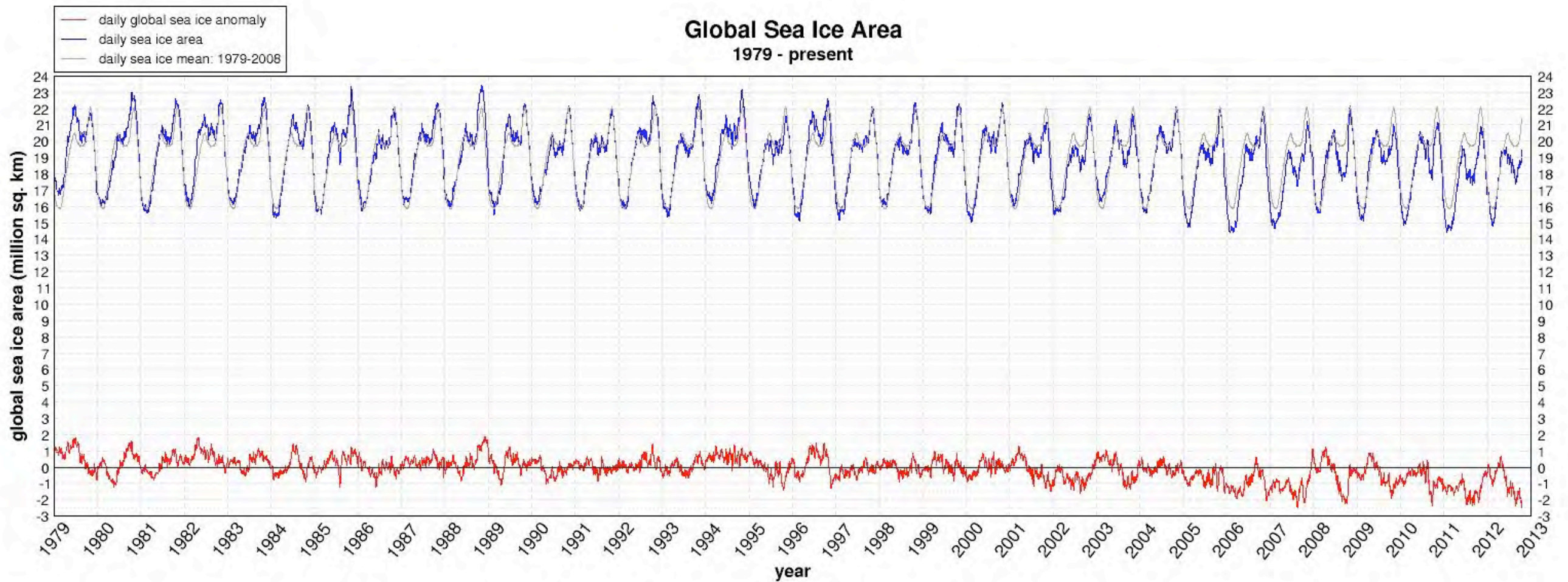
— Reconstructed sea ice extent
 Modern observations

Kinnard et al 2011

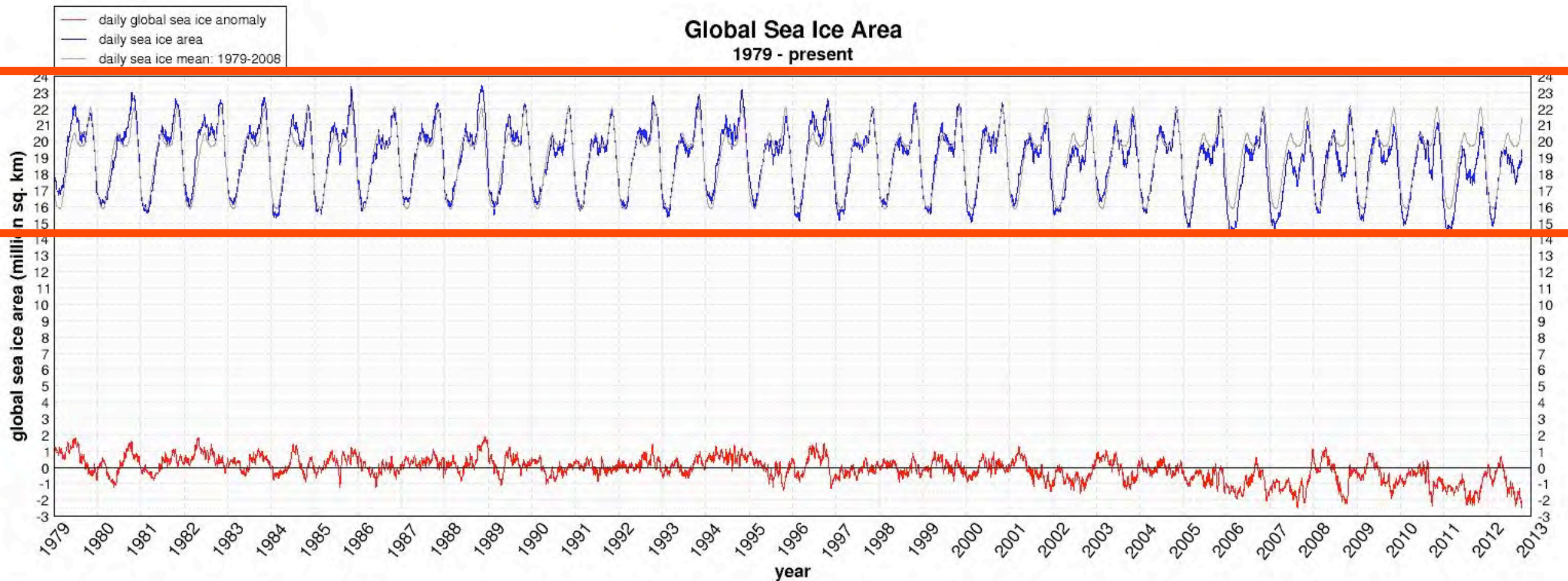
Year

Arctic sea ice extent over the last 1,450 years

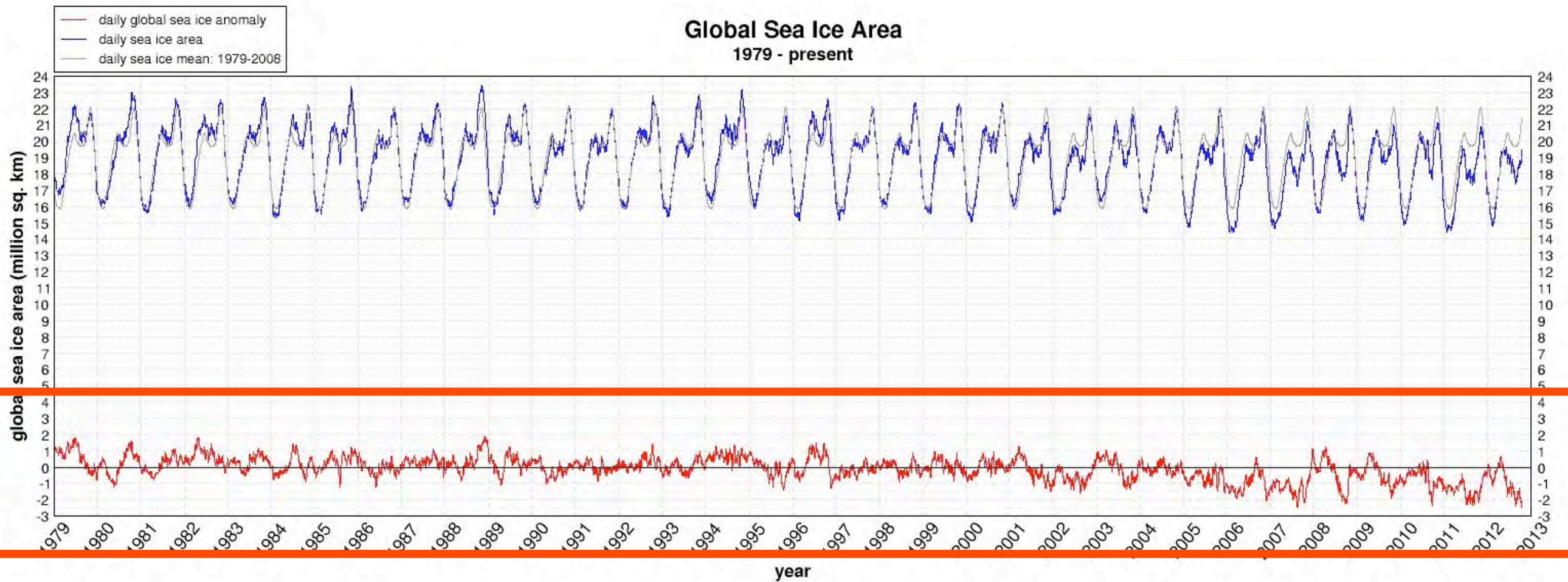




University of Illinois
Cryosphere Today



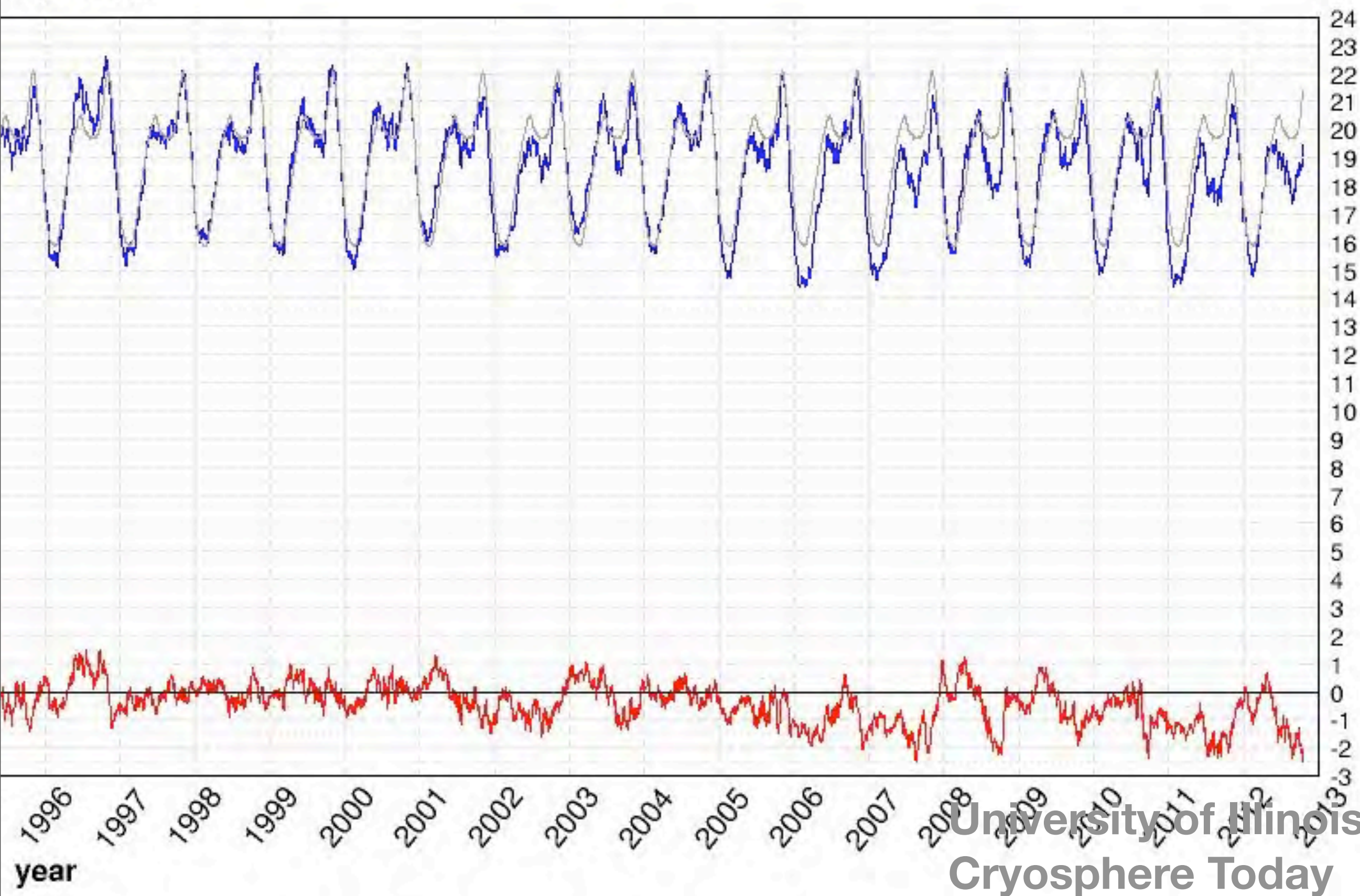
University of Illinois
Cryosphere Today



University of Illinois
Cryosphere Today

Sea Ice Area

9 - present



University of Illinois
Cryosphere Today

WORLD

U.S.

N.Y. / REGION

BUSINESS

TECHNOLOGY

SCIENCE

HEALTH

SPORTS

OPINION

ARTS

BY DEGREES

What to Make of a Warming Plateau



WORLD

U.S.

N.Y. / REGION

BUSINESS

TECHNOLOGY

SCIENCE

HEALTH

SPORTS

OPINION

ARTS

BY DEGREES

What to Make of a Warming Plateau



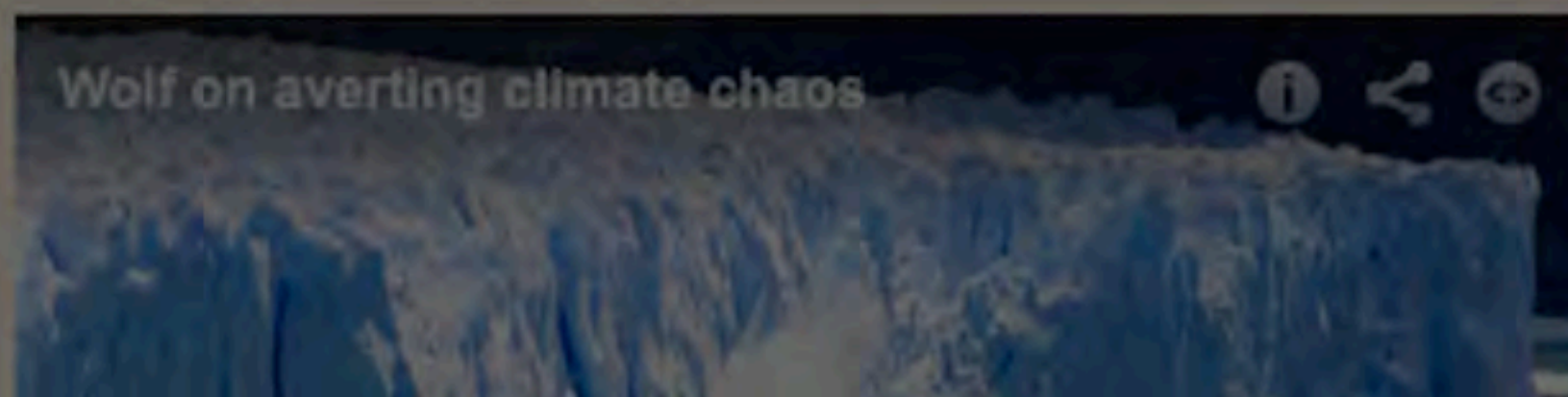
[Home](#)[World](#)[Companies](#)[Markets](#)[Global Economy](#)[Lex](#)[Com](#)[Economic Calendar](#)[Money Supply](#)[Americas](#)[China](#)[EU](#)[India](#)[Middle East](#)[UK](#)[US](#)

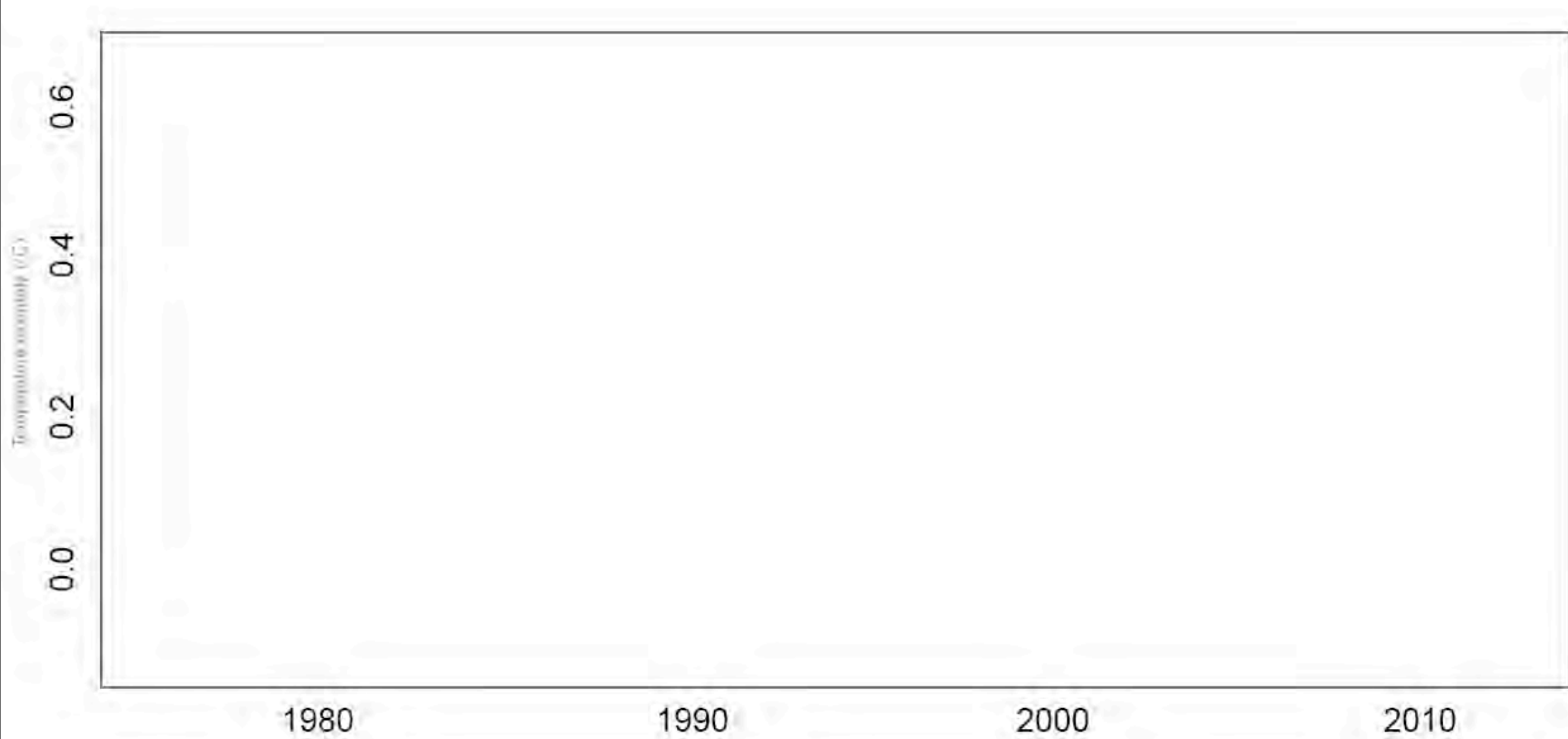
May 19, 2013 7:48 pm

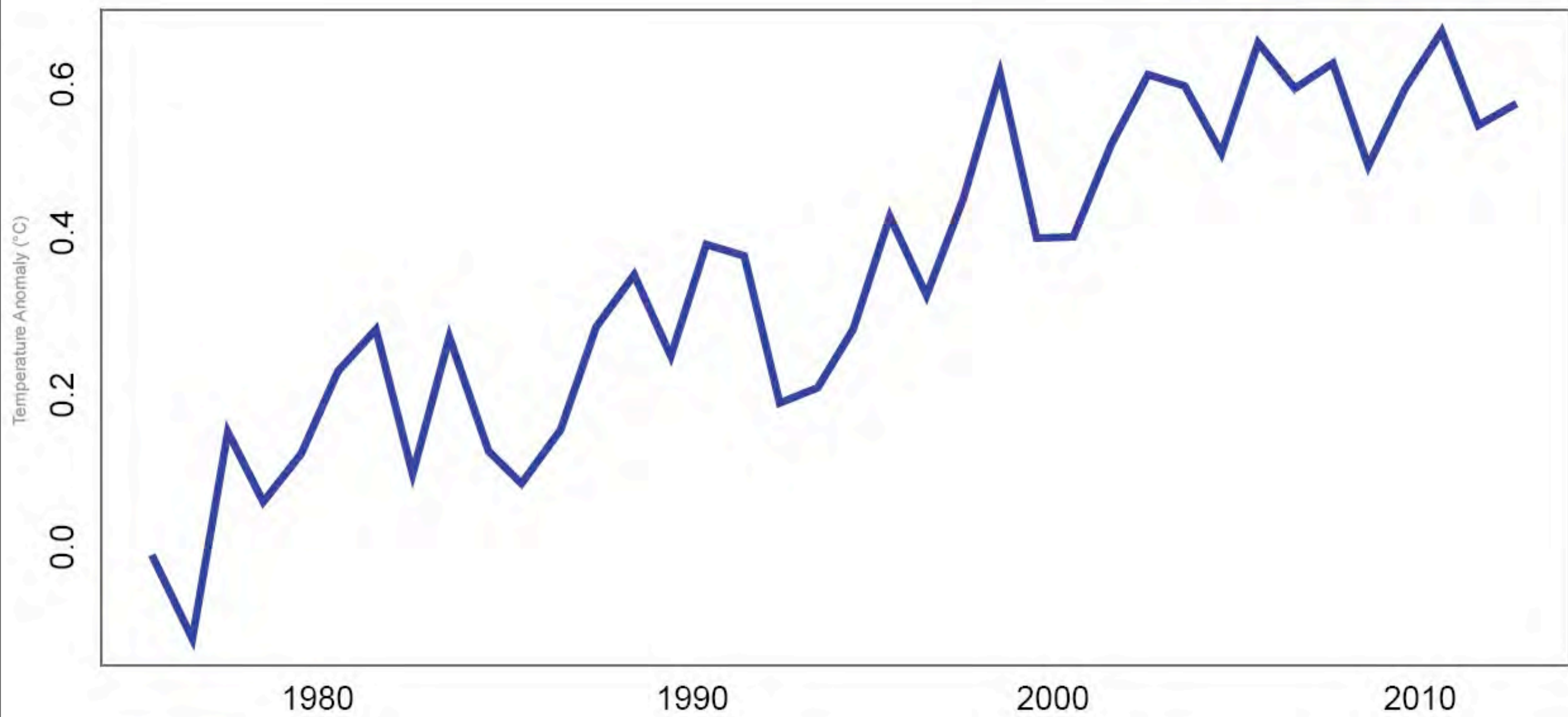
Global warming likely to be slower than predicted, scientists say

By Pilita Clark, Environment Correspondent

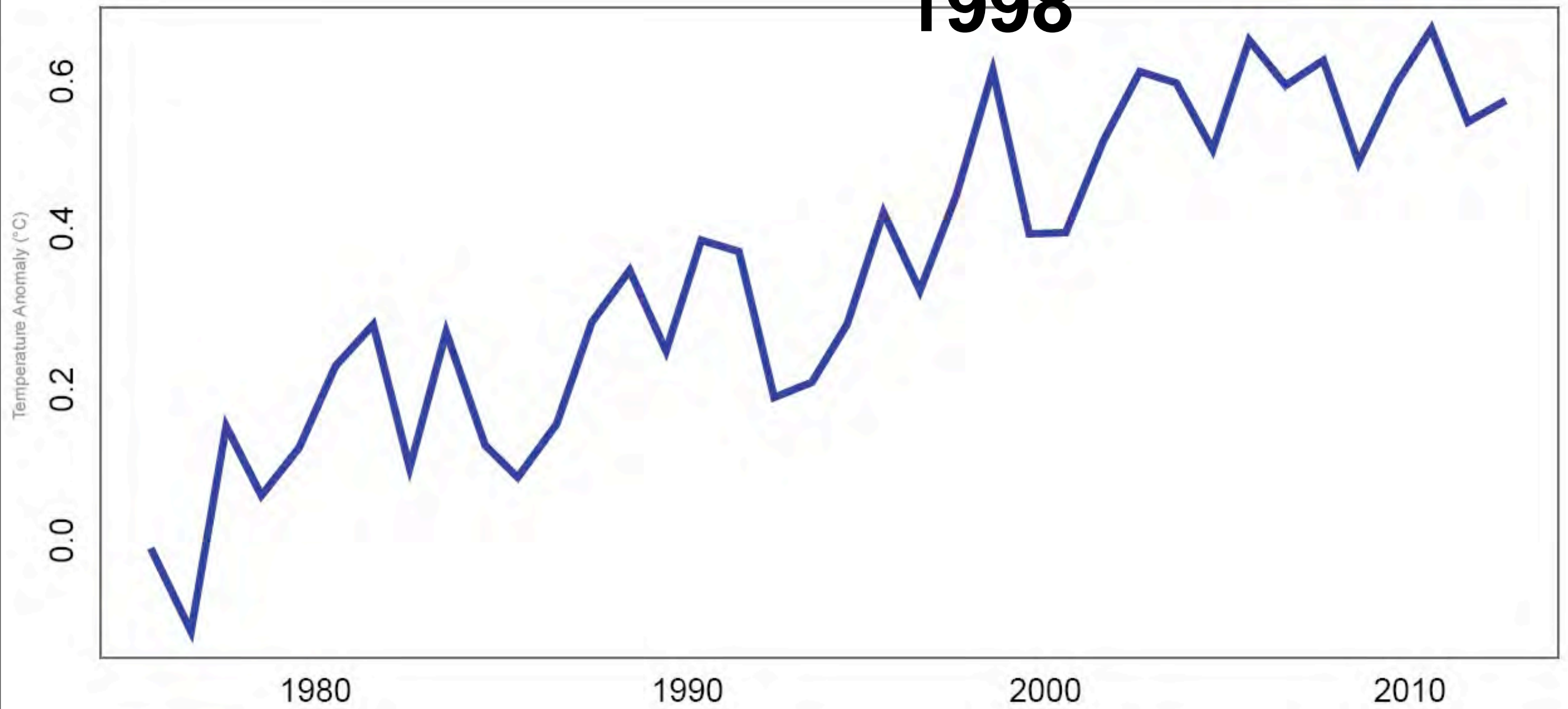
The earth may warm at a slightly slower rate in coming decades than scientists were predicting six years ago, according to a paper published on Sunday by researchers from Oxford university, Nasa and nearly a dozen other institutions.

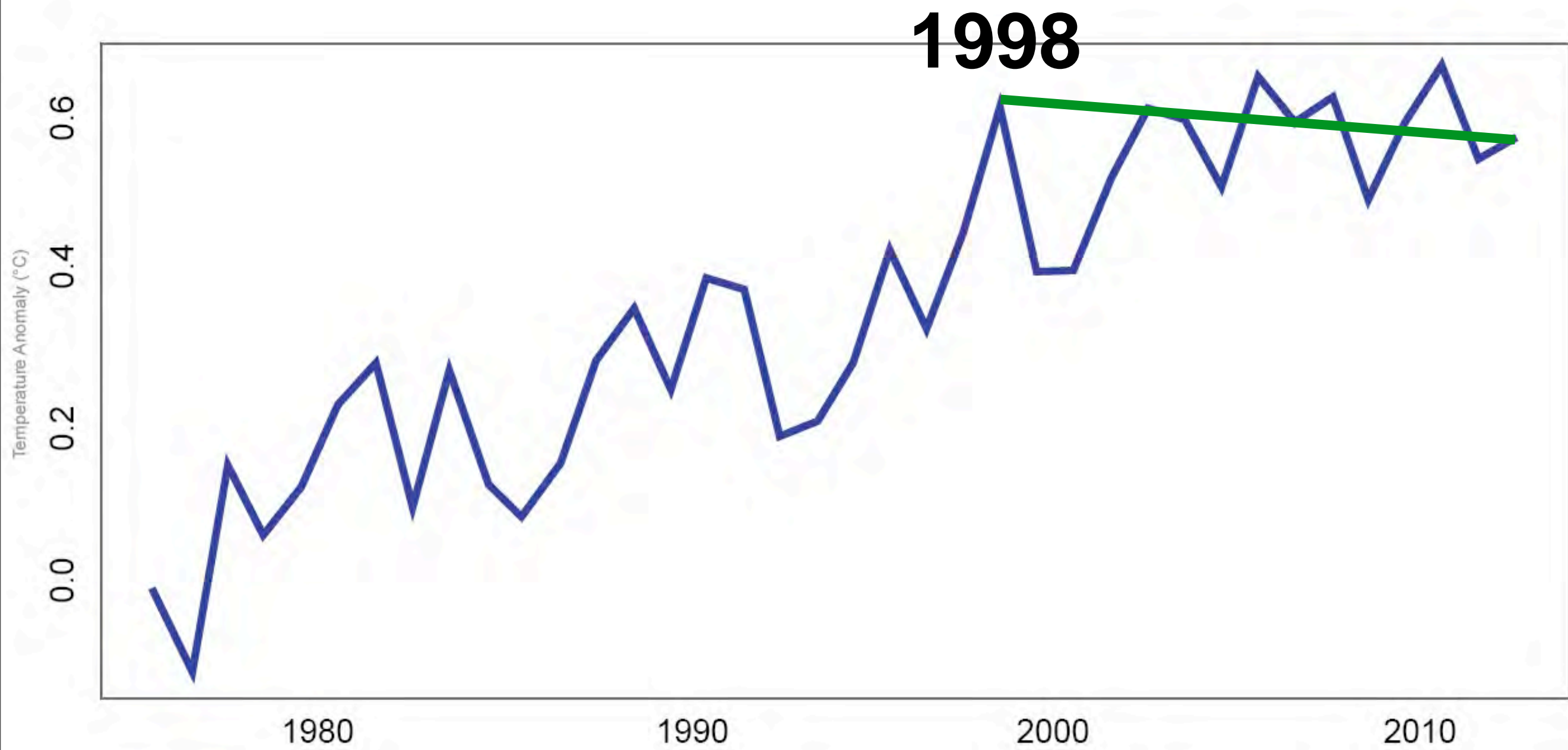




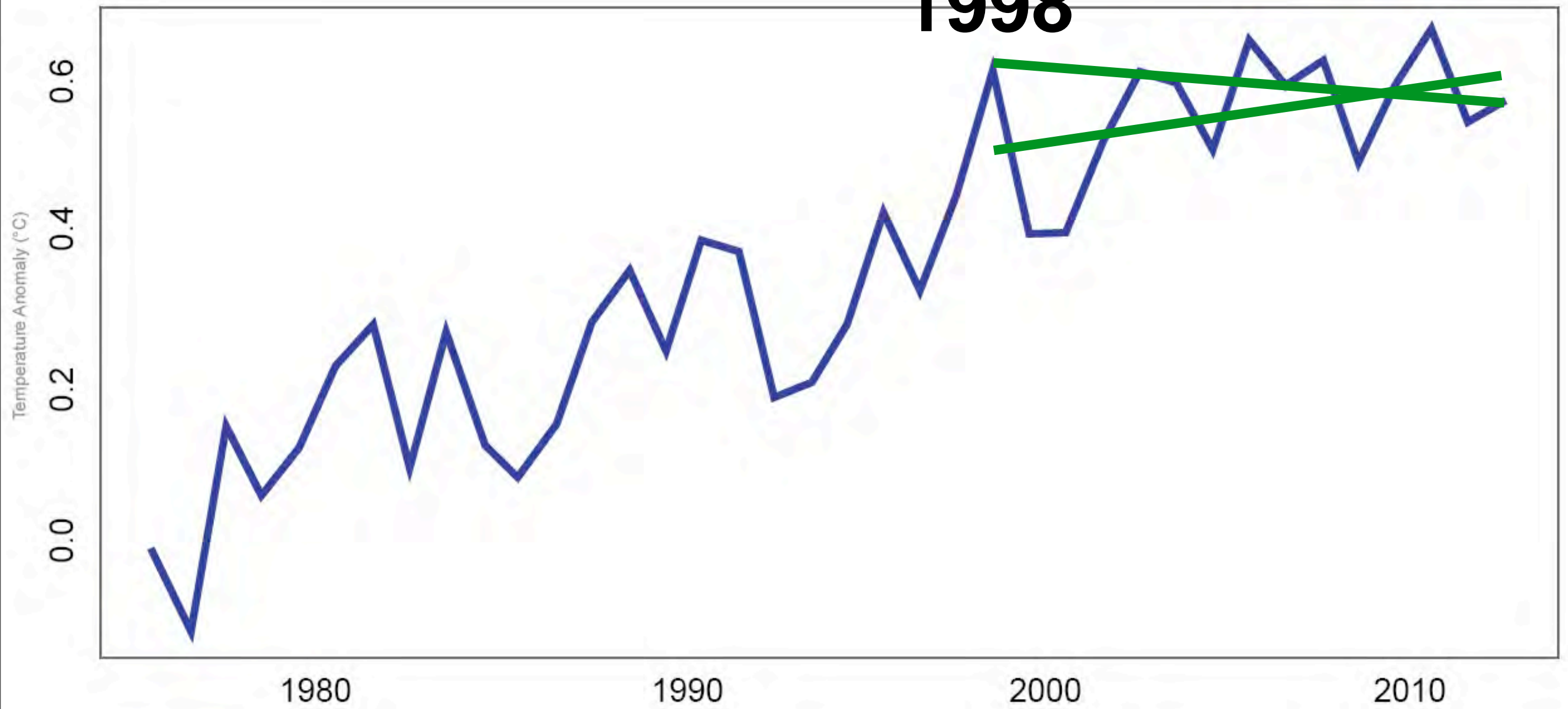


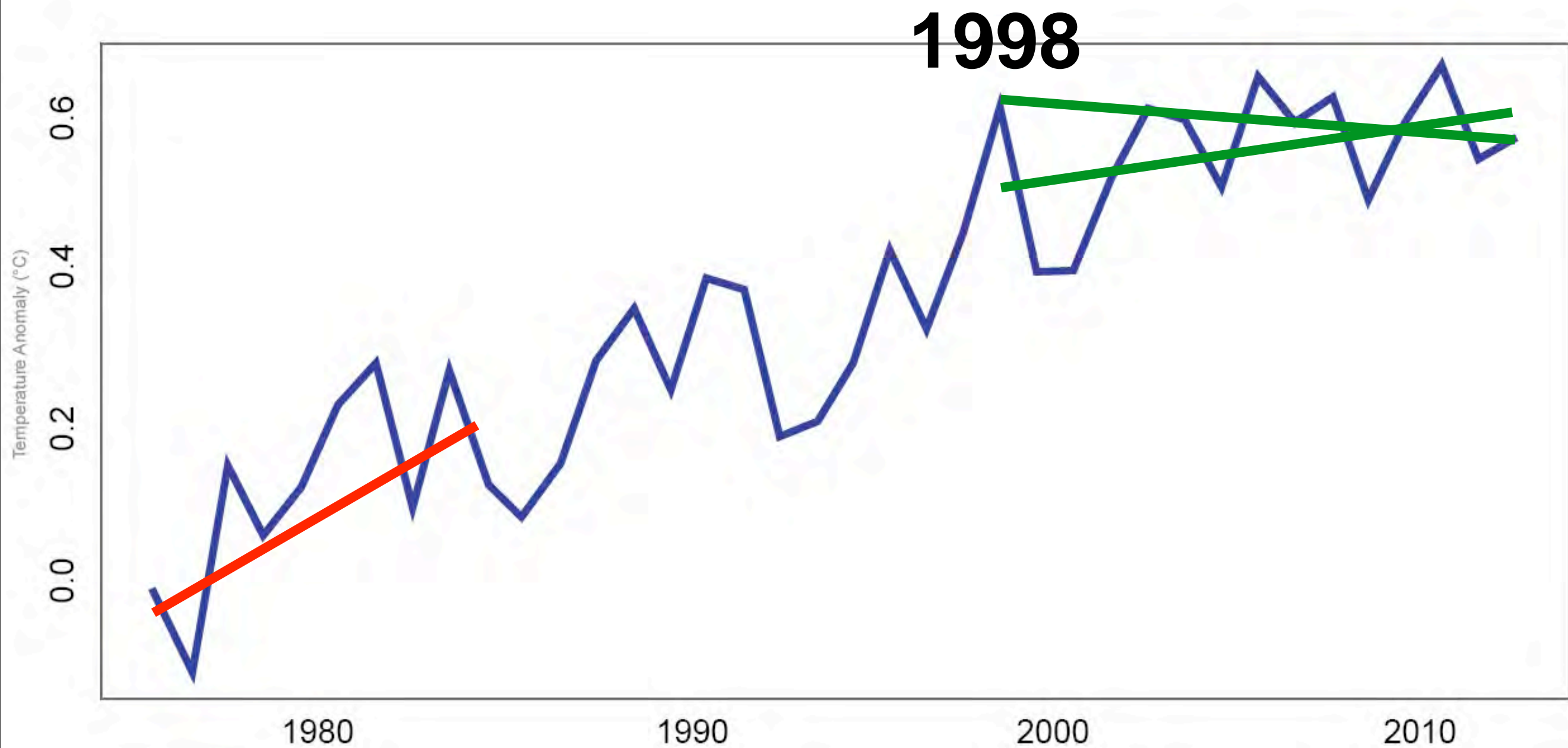
1998

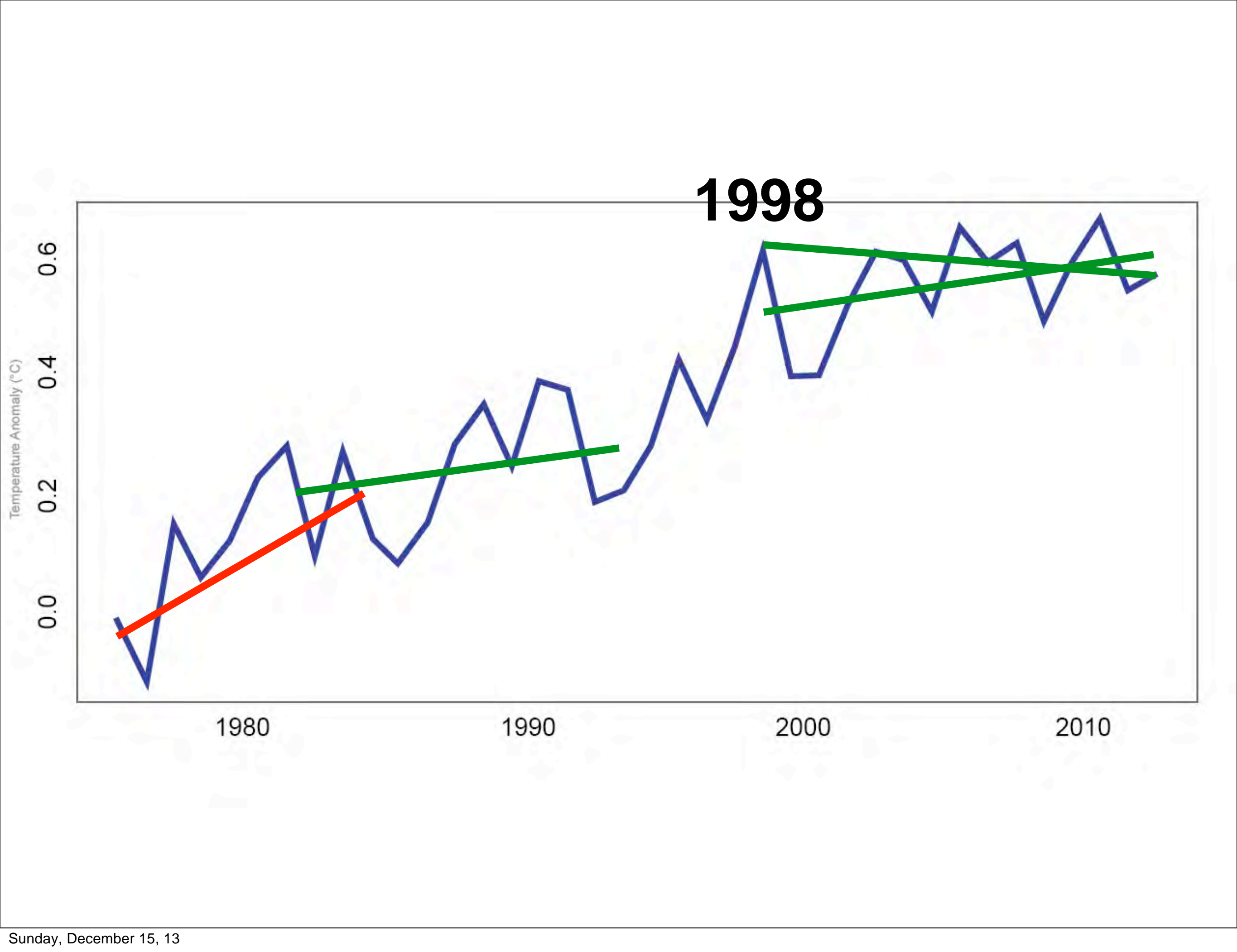




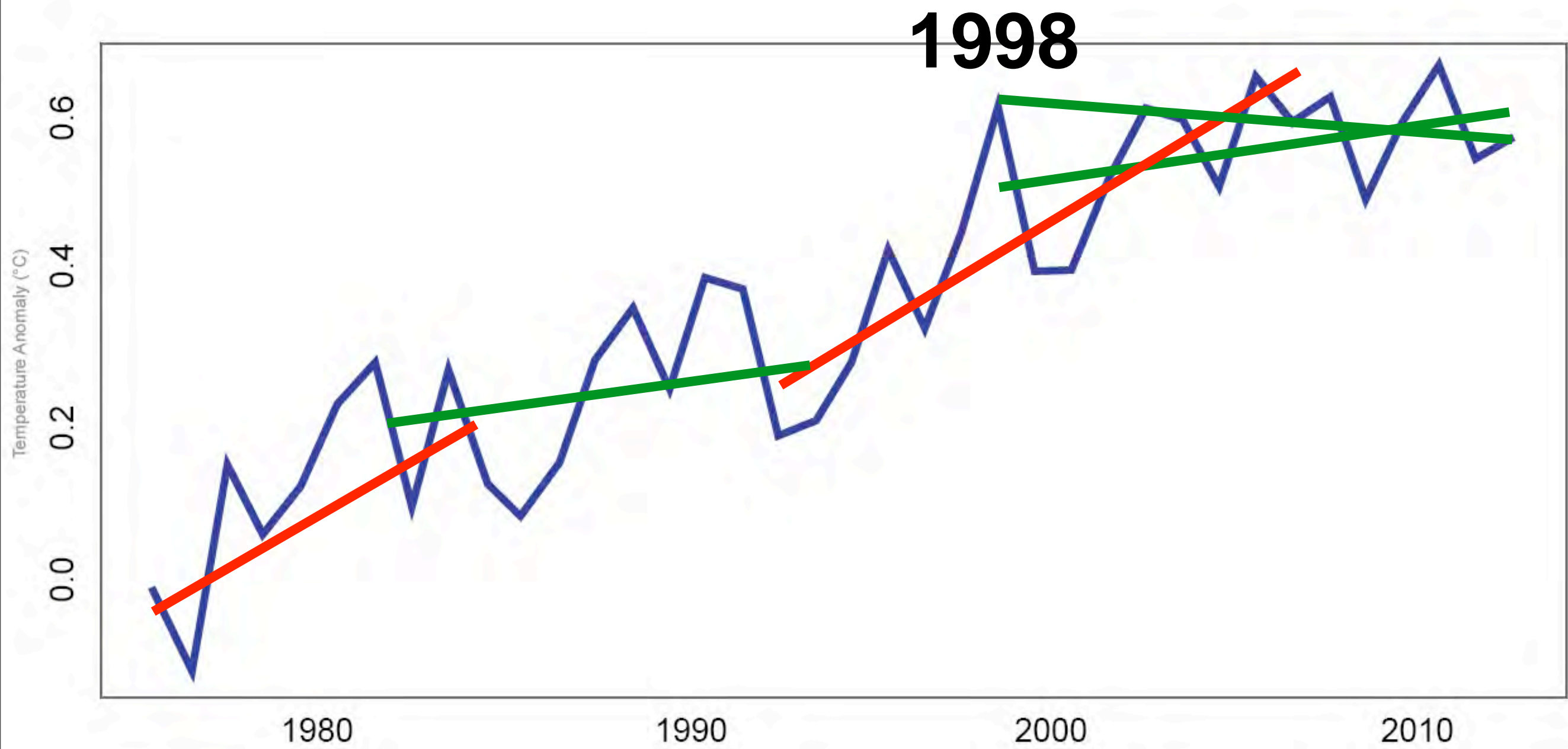
1998

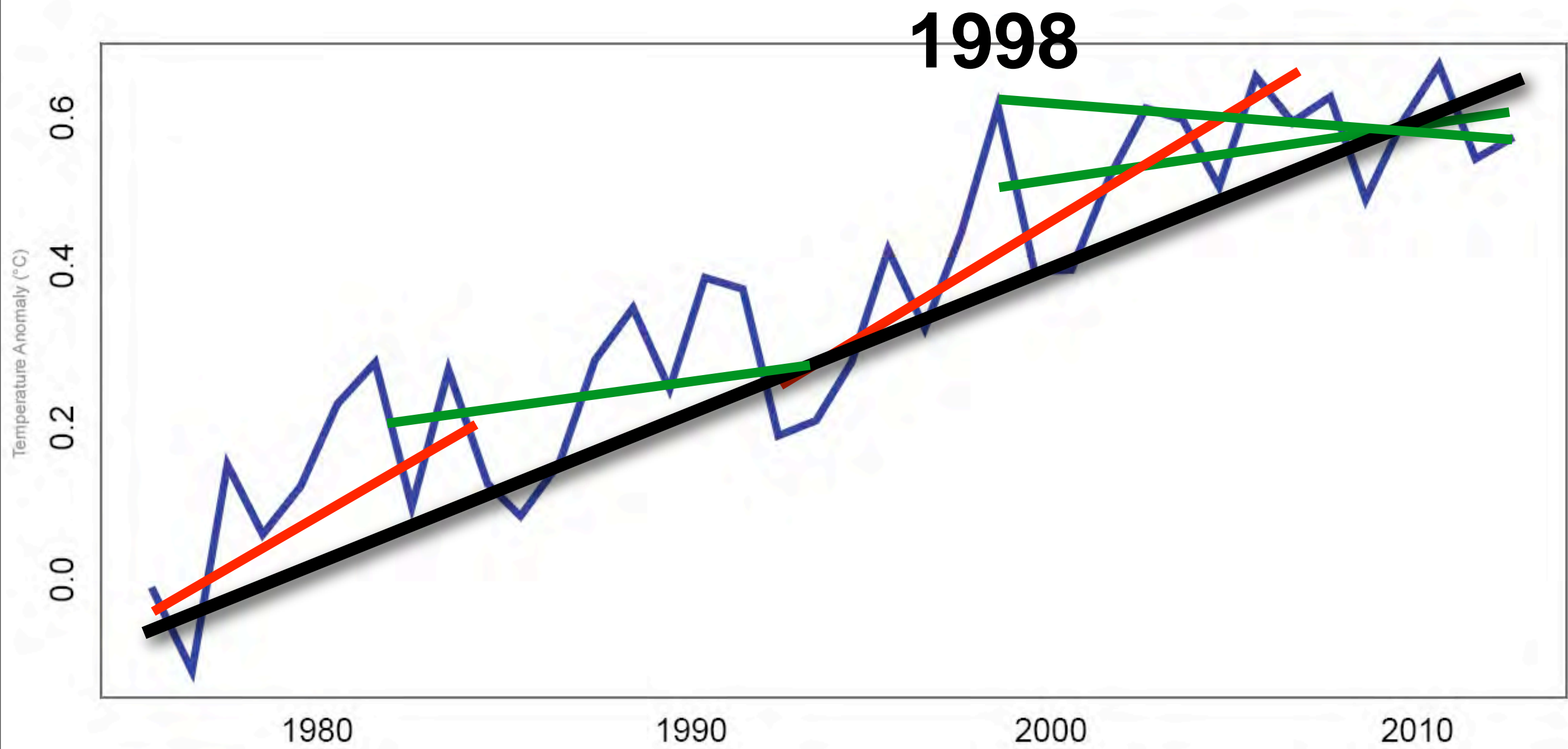


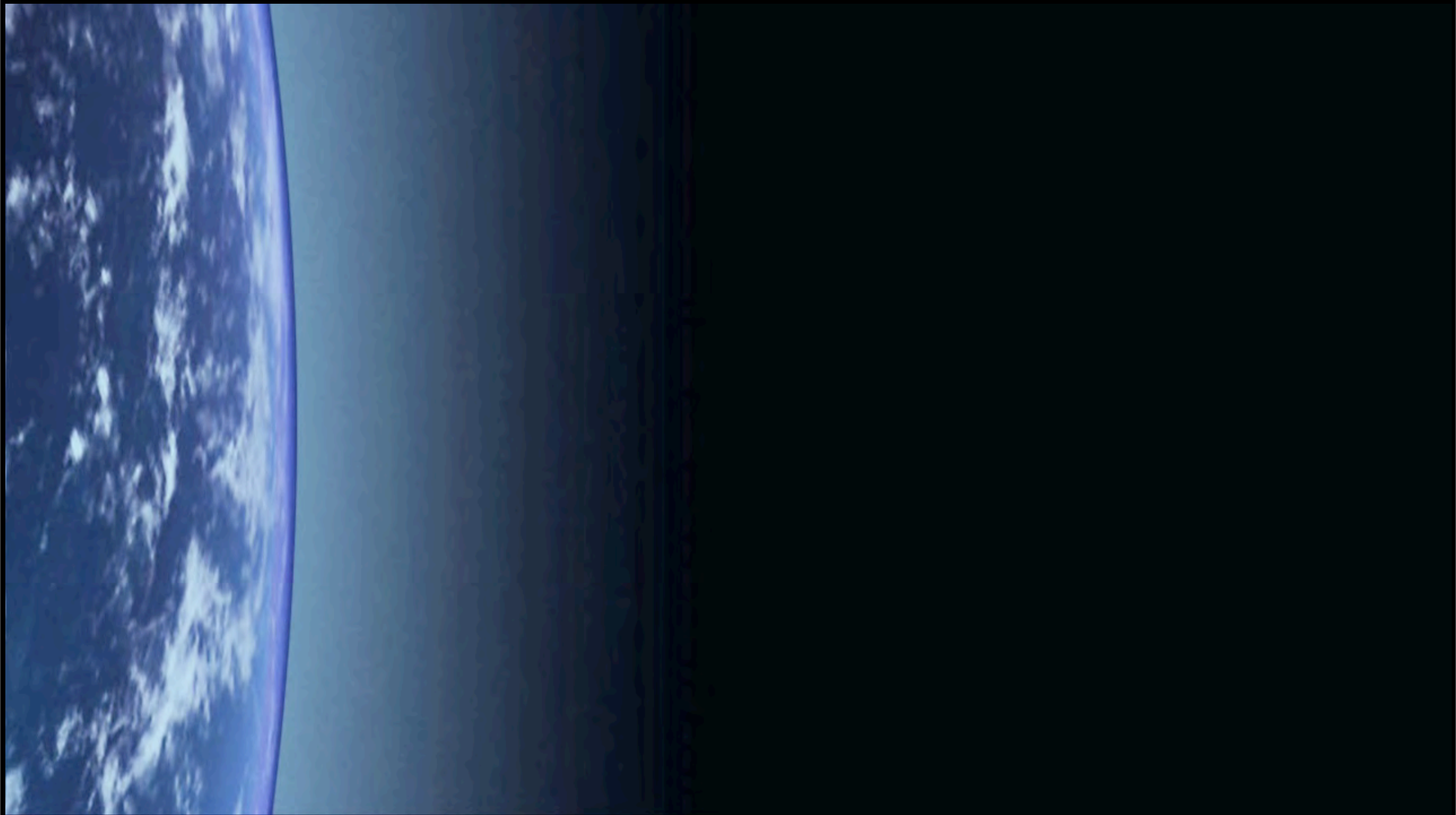


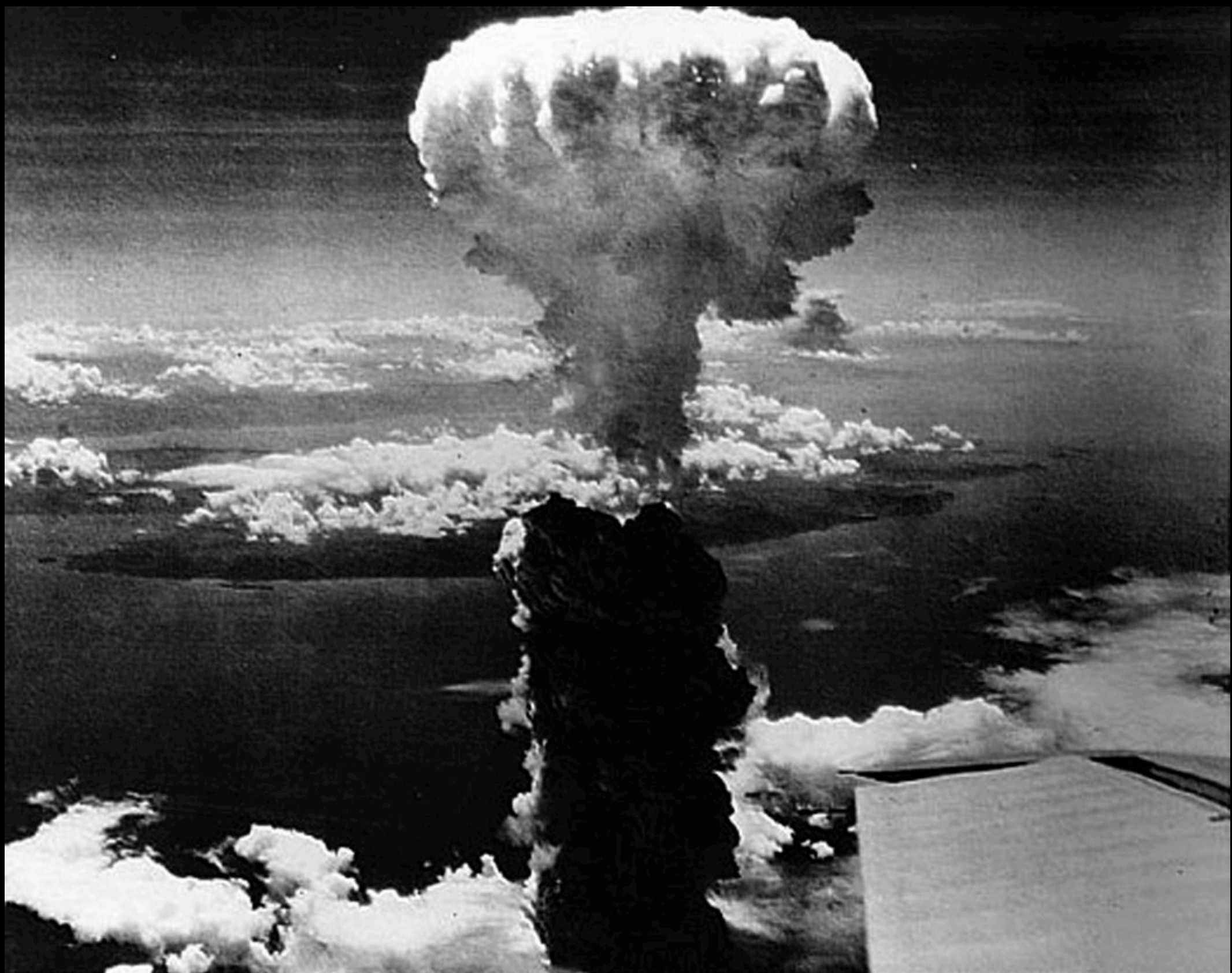


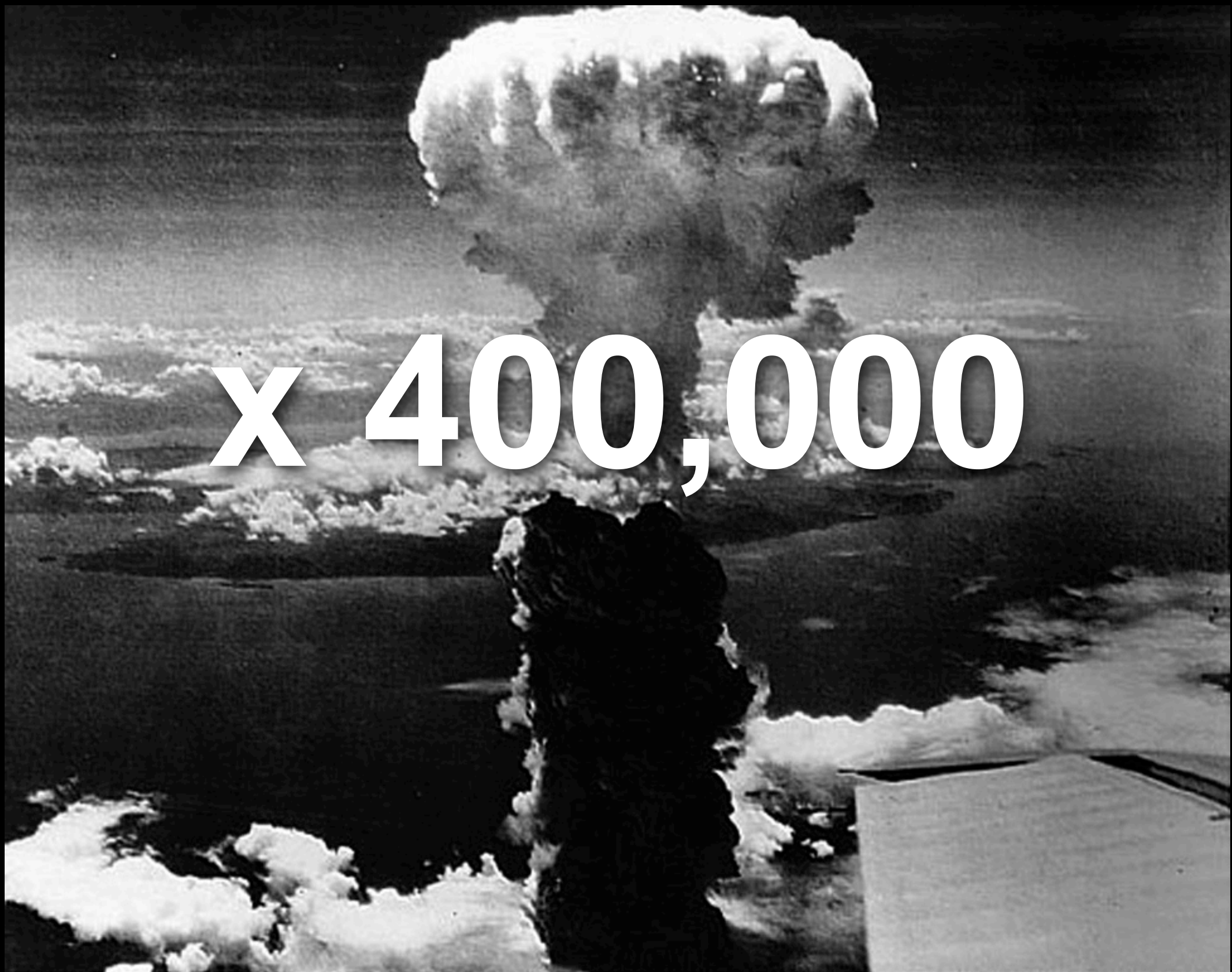
1998



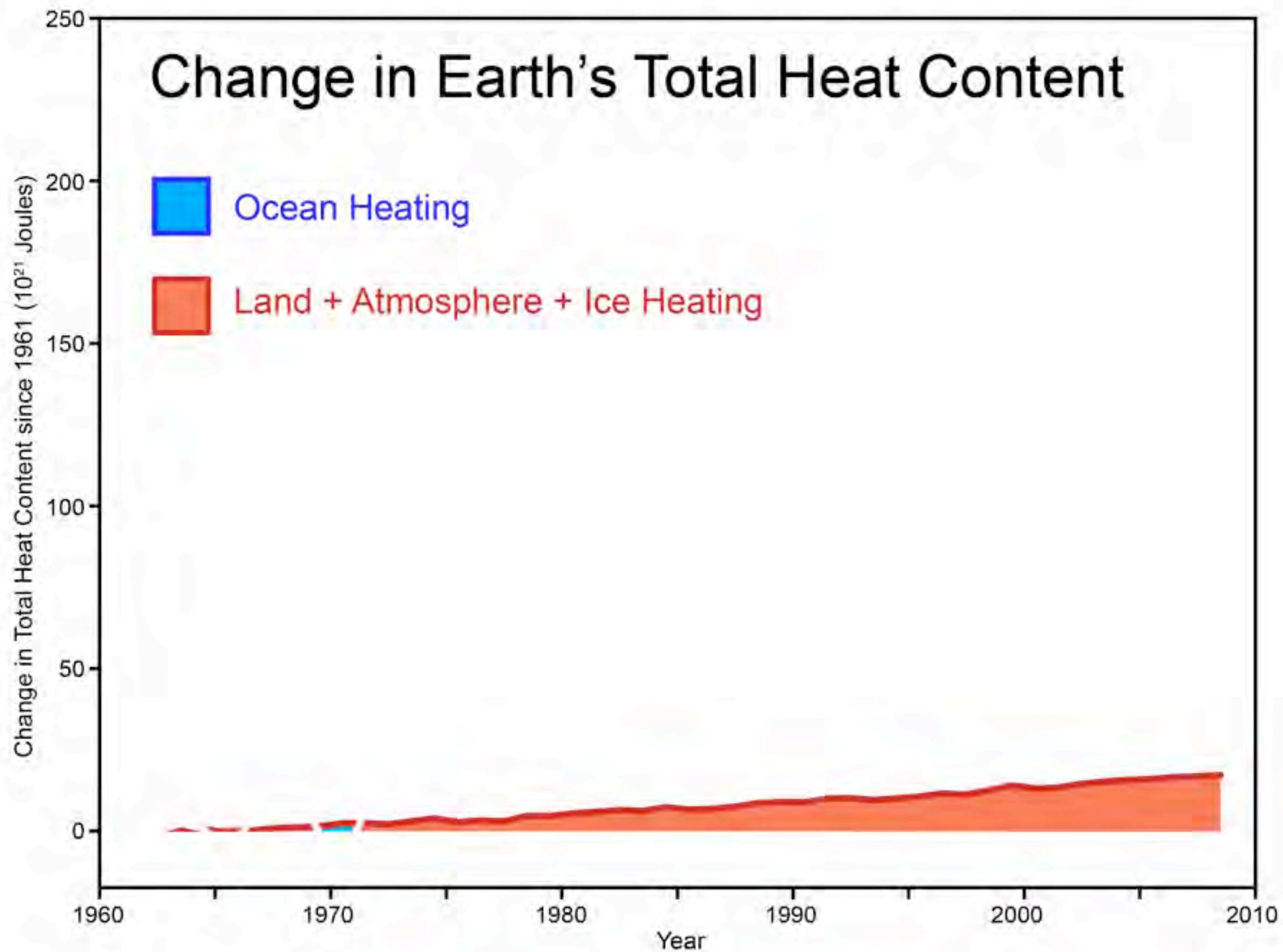


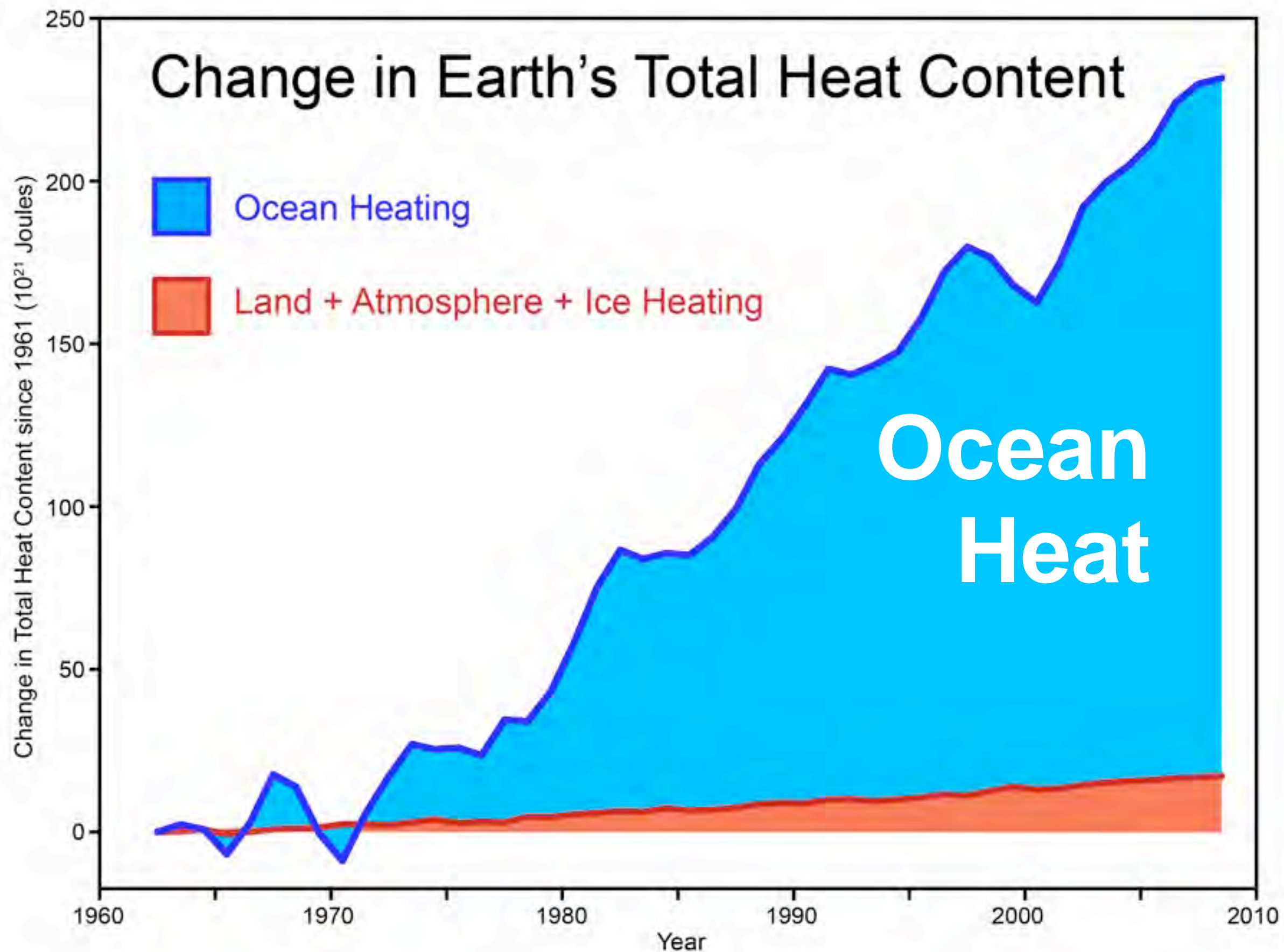




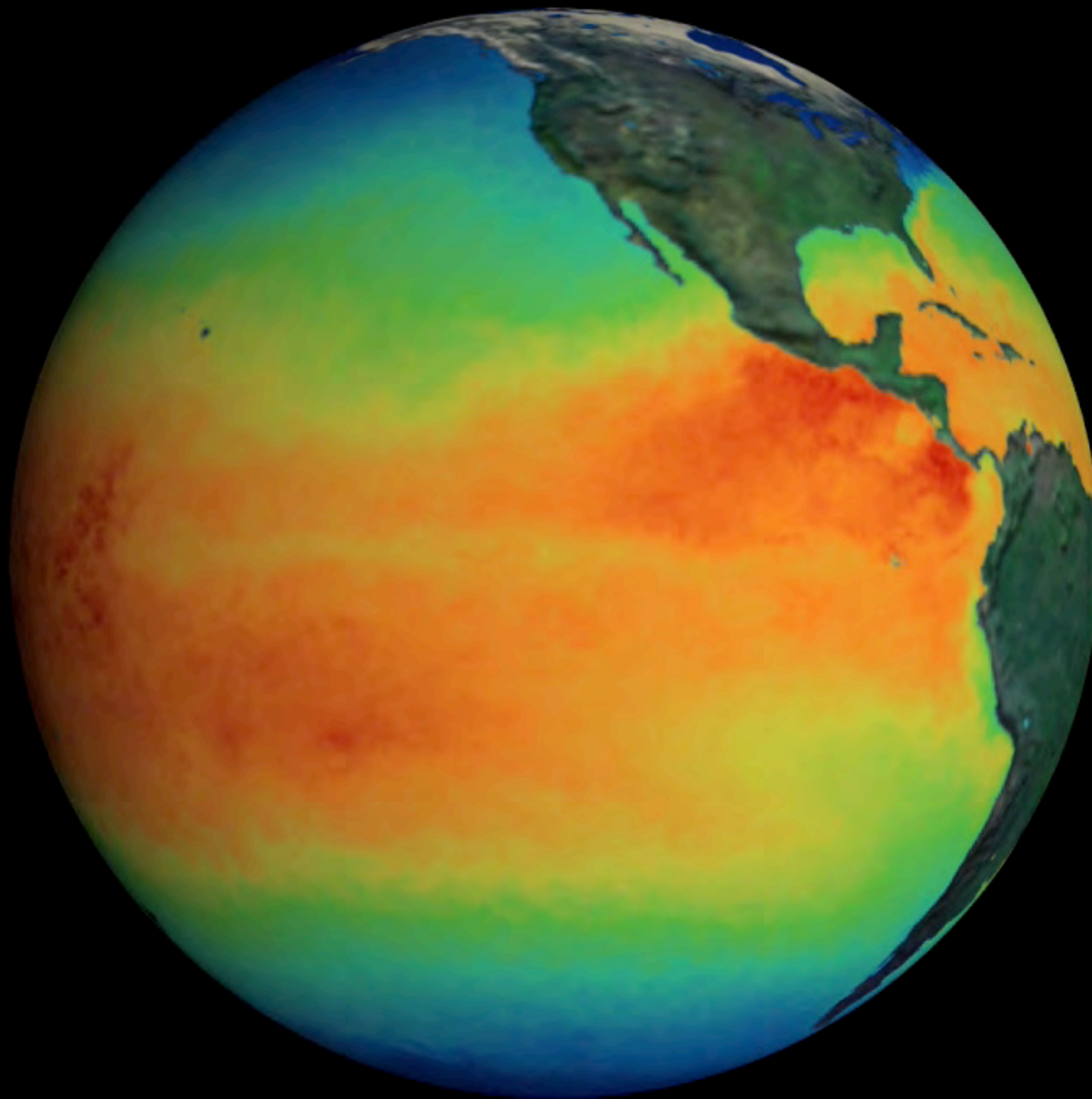


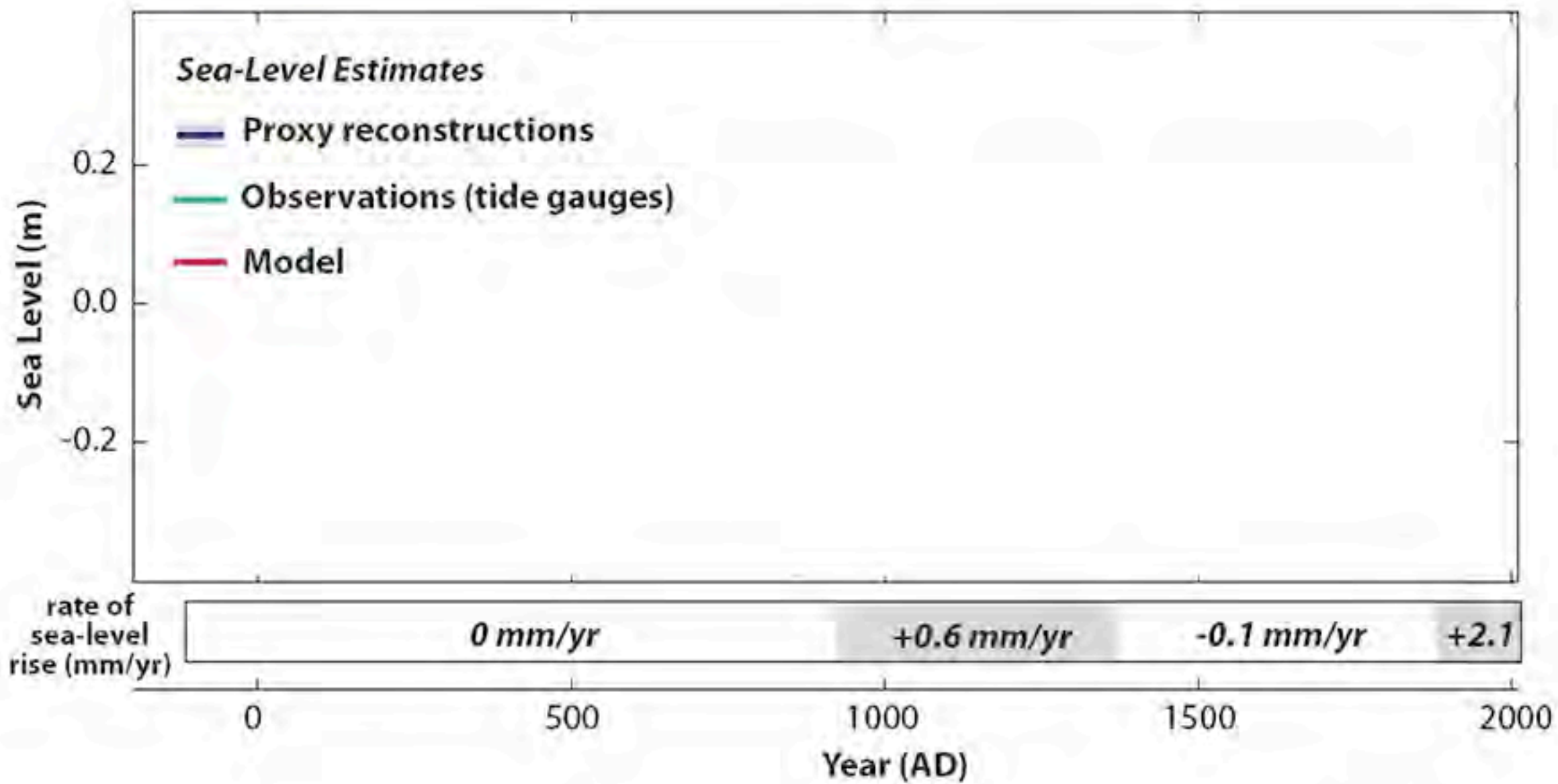
x 400,000



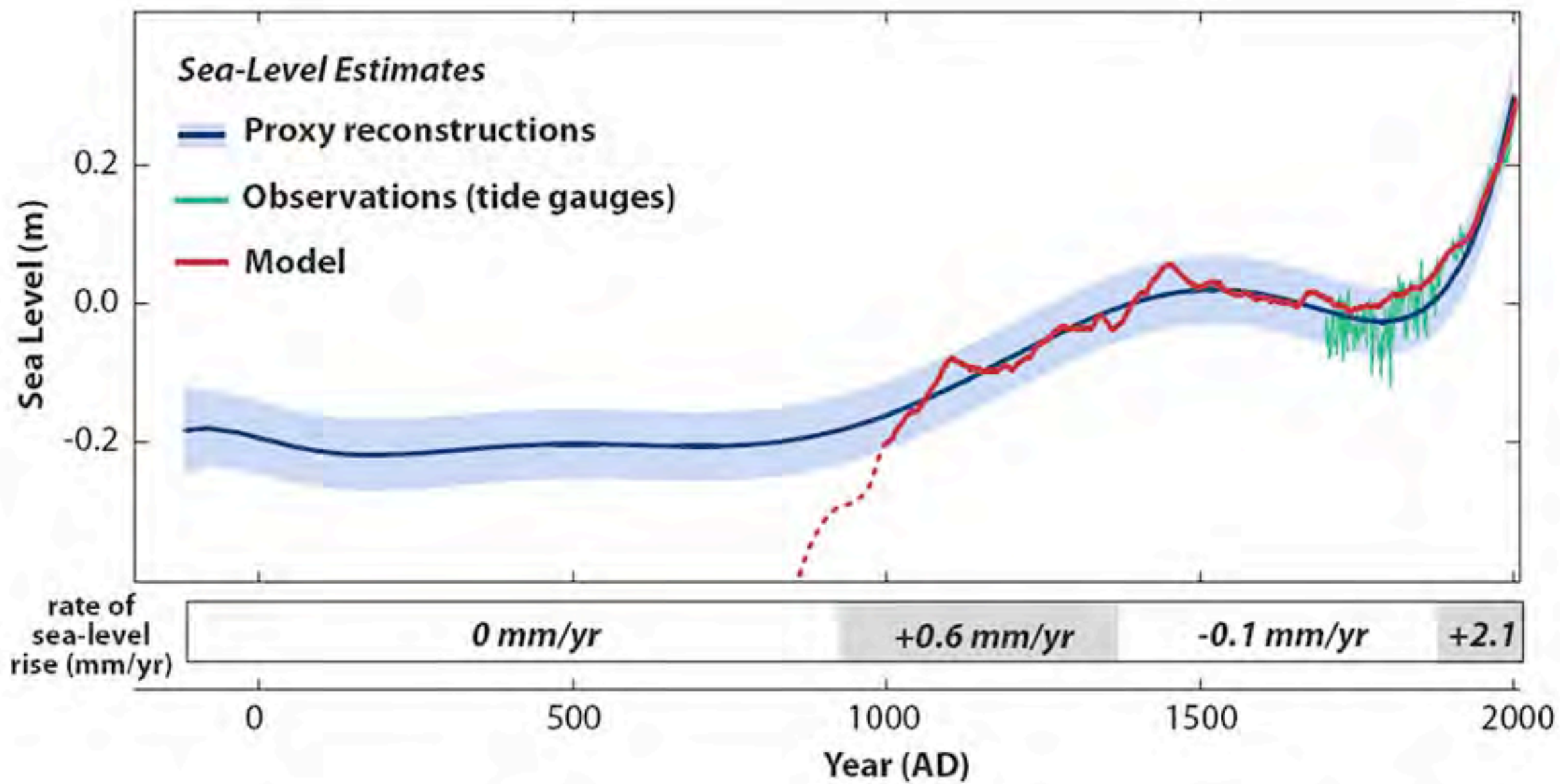


Ocean
Heat





Kemp 2011



Kemp 2011

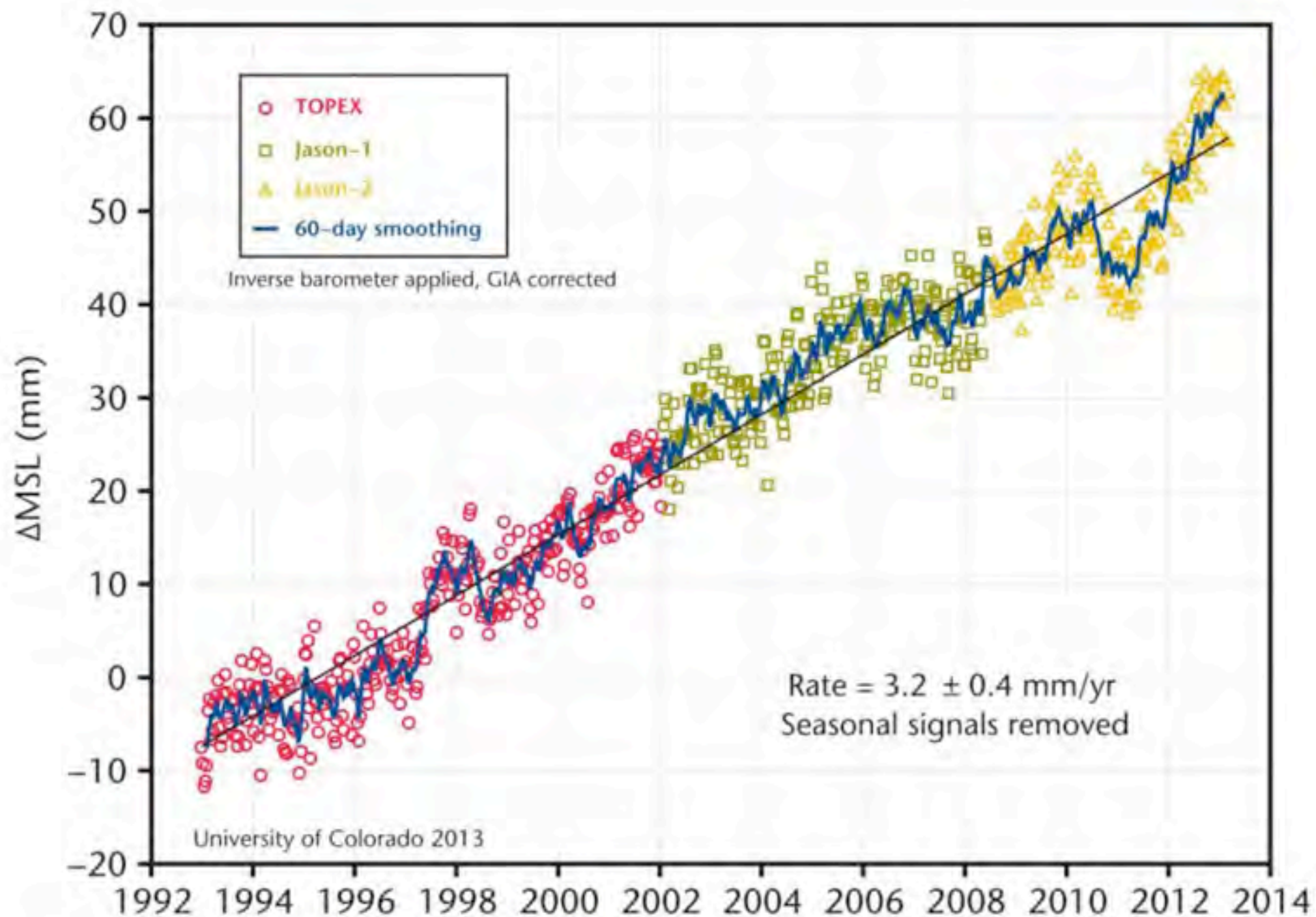
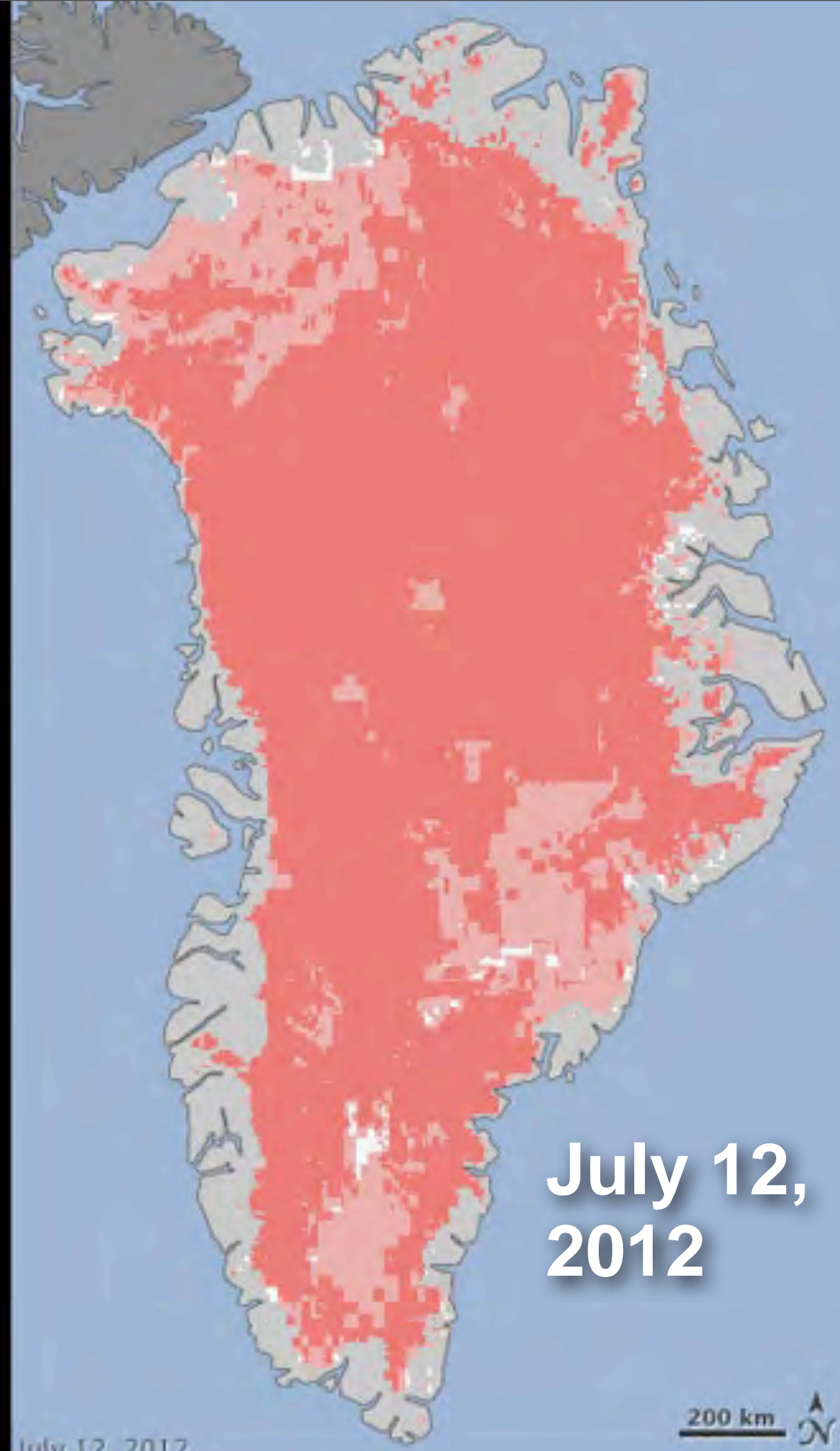


Figure 19: Time-series of global average sea level since 1993 based on satellite altimeter observations. (Source: <http://sealevel.colorado.edu>, Nerem et al, 2010).

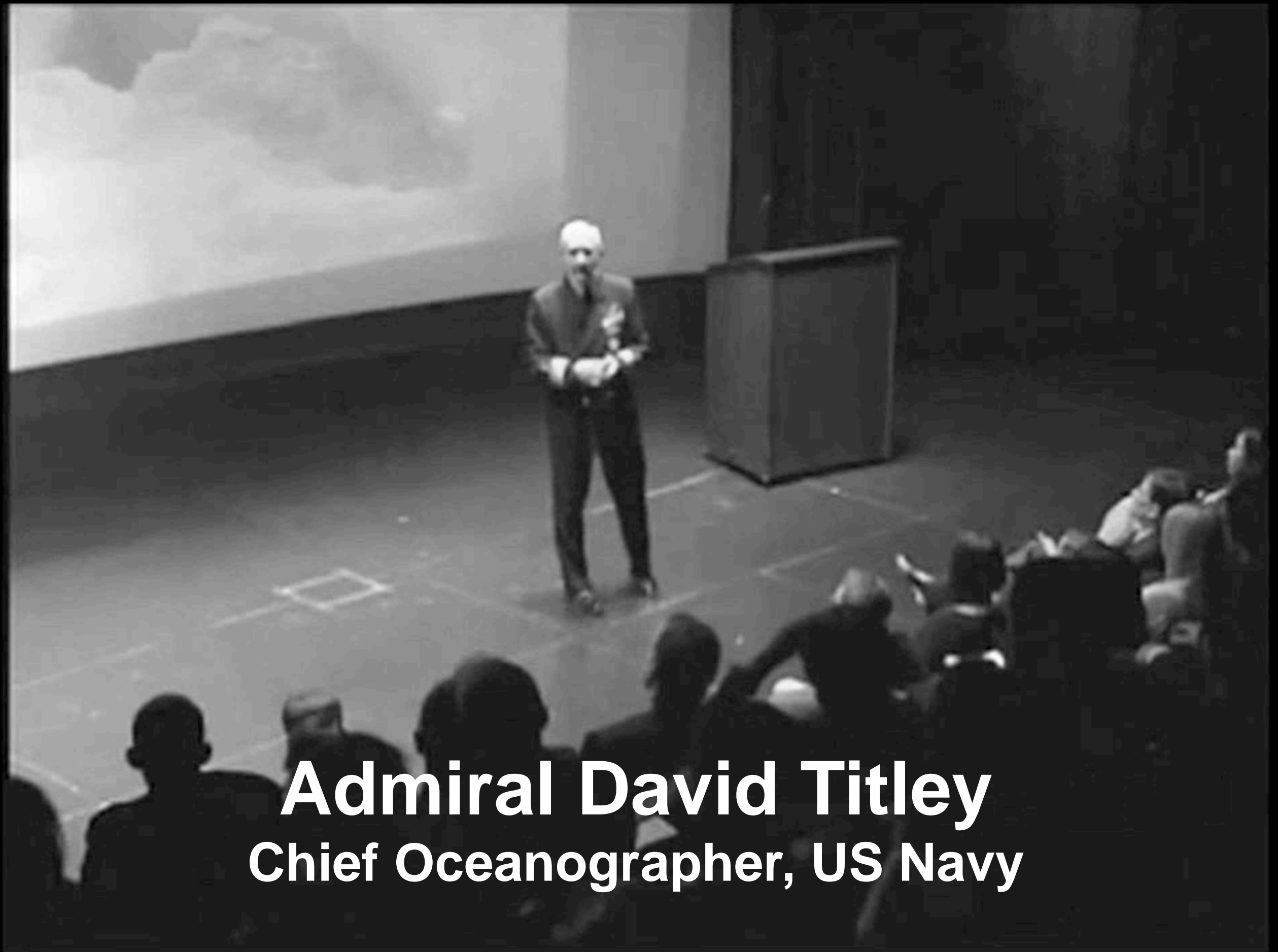











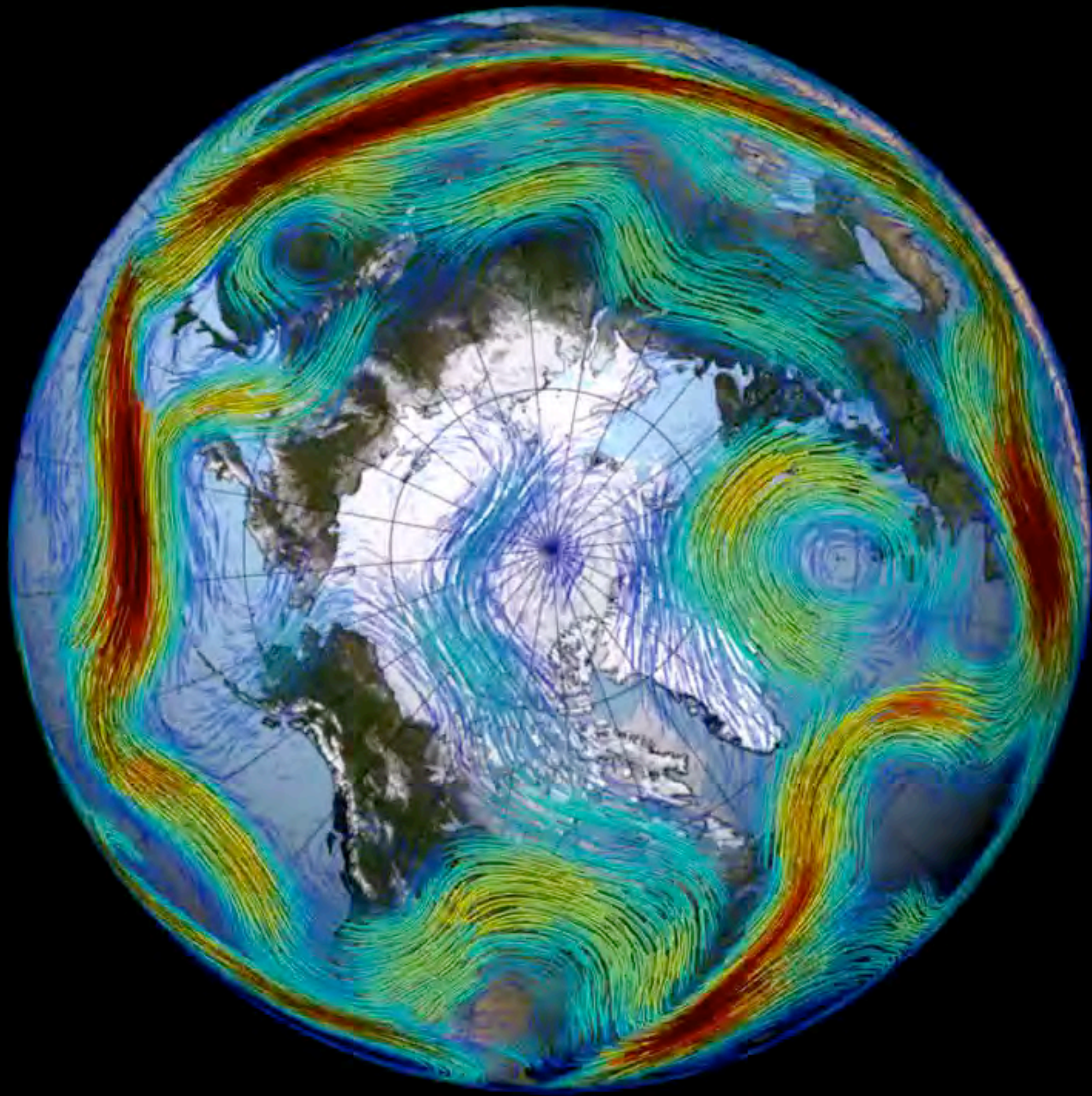


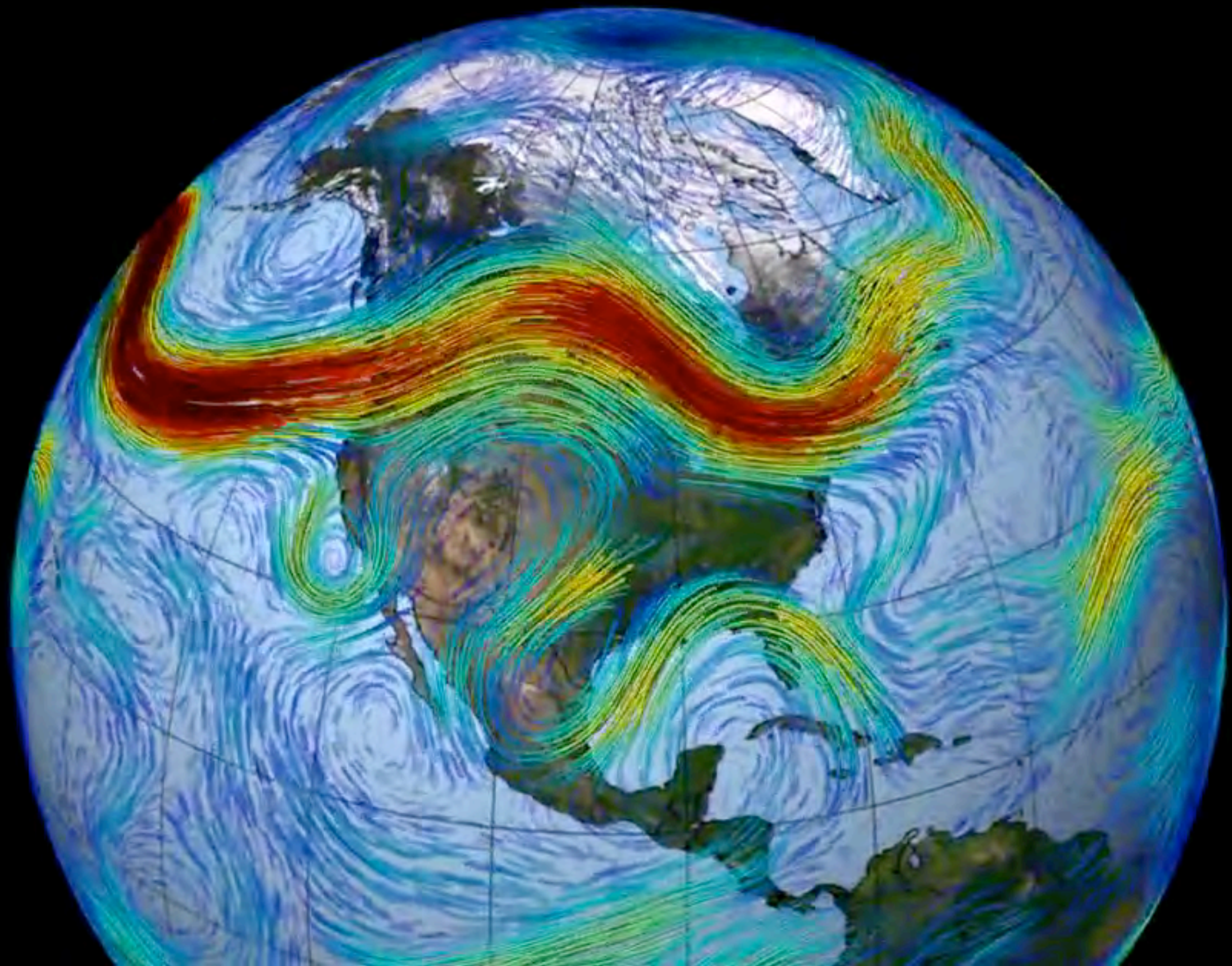
Admiral David Titley
Chief Oceanographer, US Navy

A photograph of Admiral David Titley, a man in a dark suit, standing at a wooden podium on a stage. He is addressing an audience whose silhouettes are visible in the foreground. A large screen behind him displays a blue sky with white clouds. The text "Admiral David Titley" and "Chief Oceanographer, US Navy" is overlaid in white at the bottom of the image.

Admiral David Titley

Chief Oceanographer, US Navy





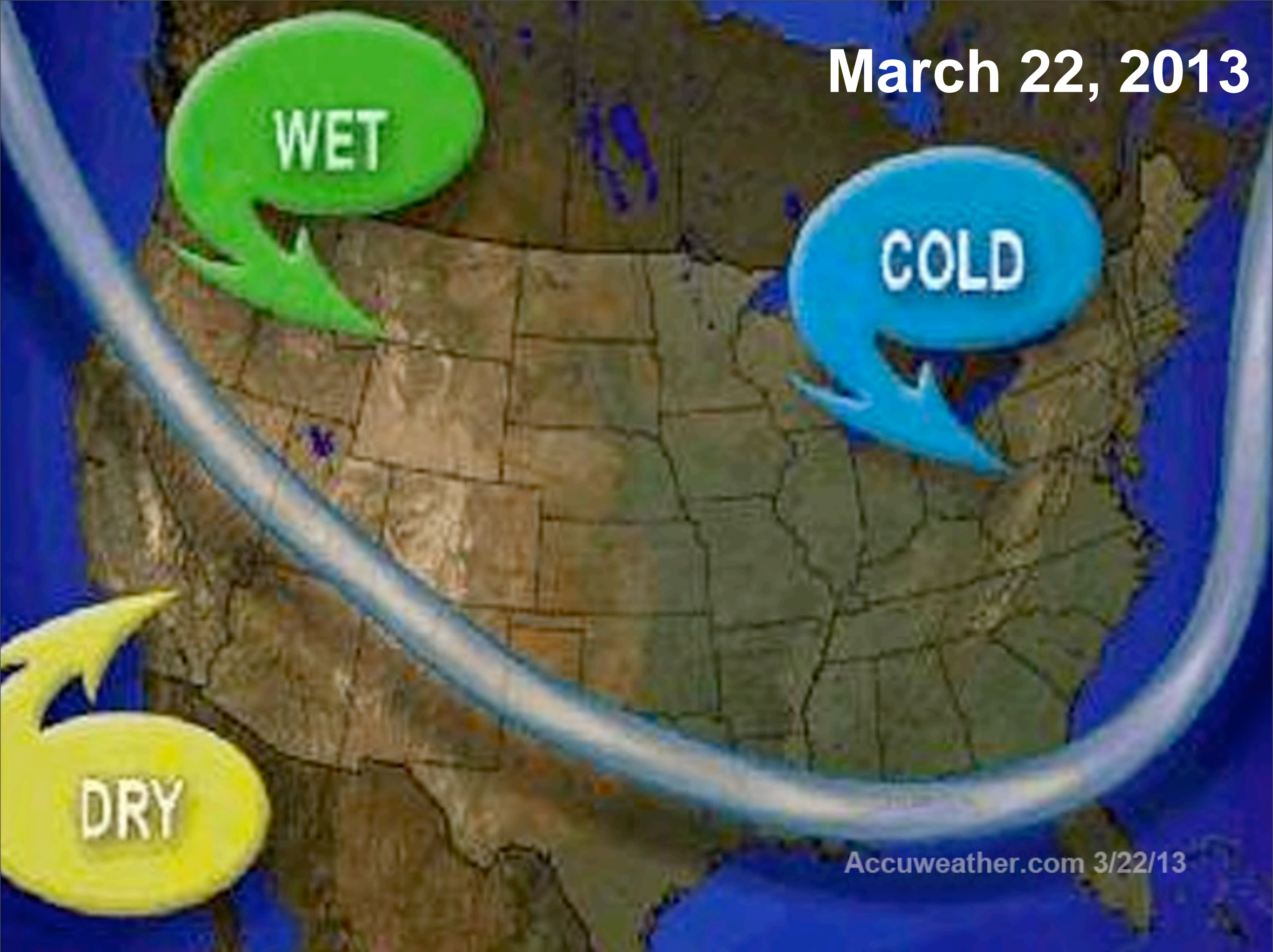
March 2012

WARM TEMPERATURE SETUP



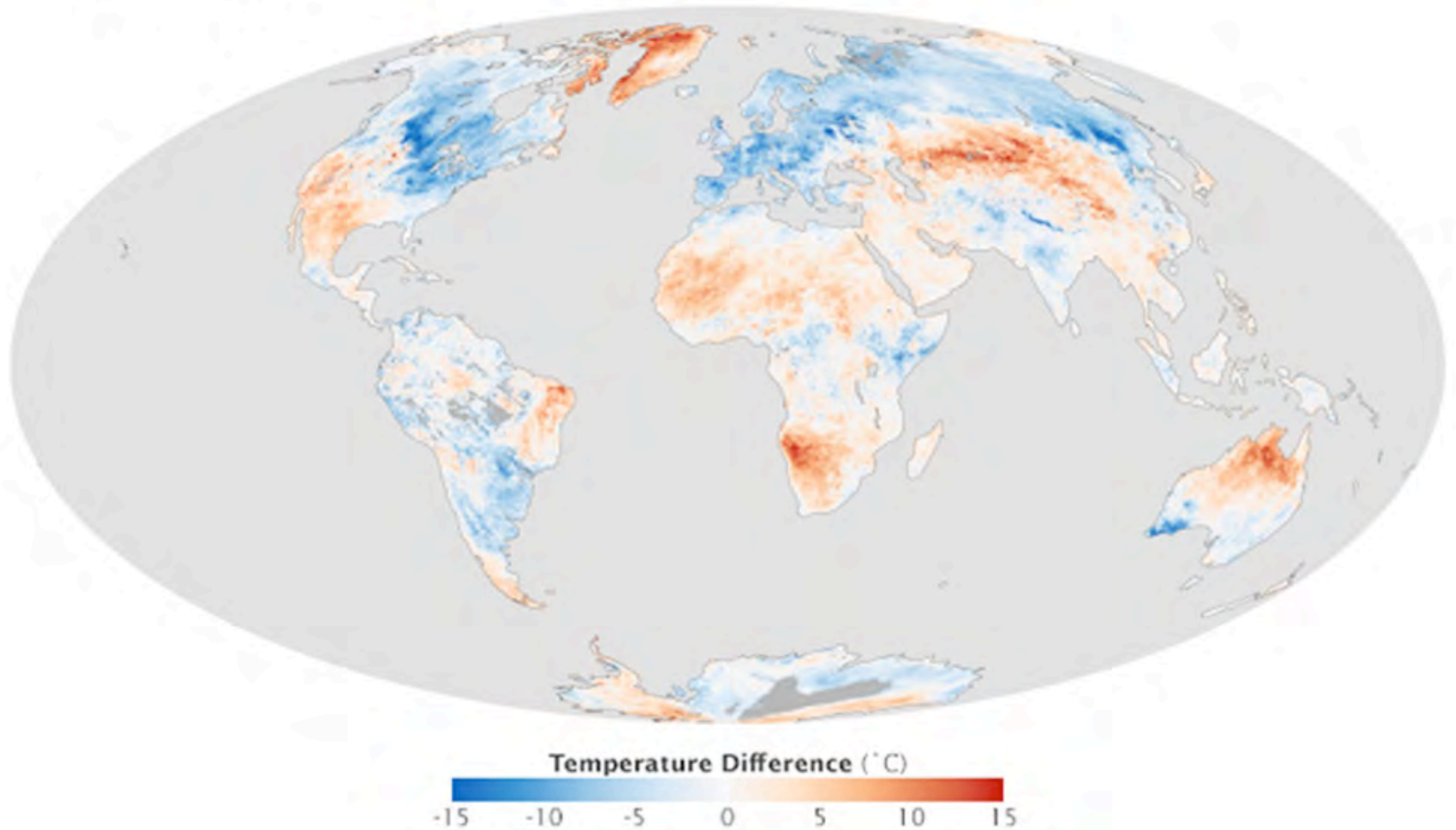
The
Weather
Channel
weather.com

March 22, 2013

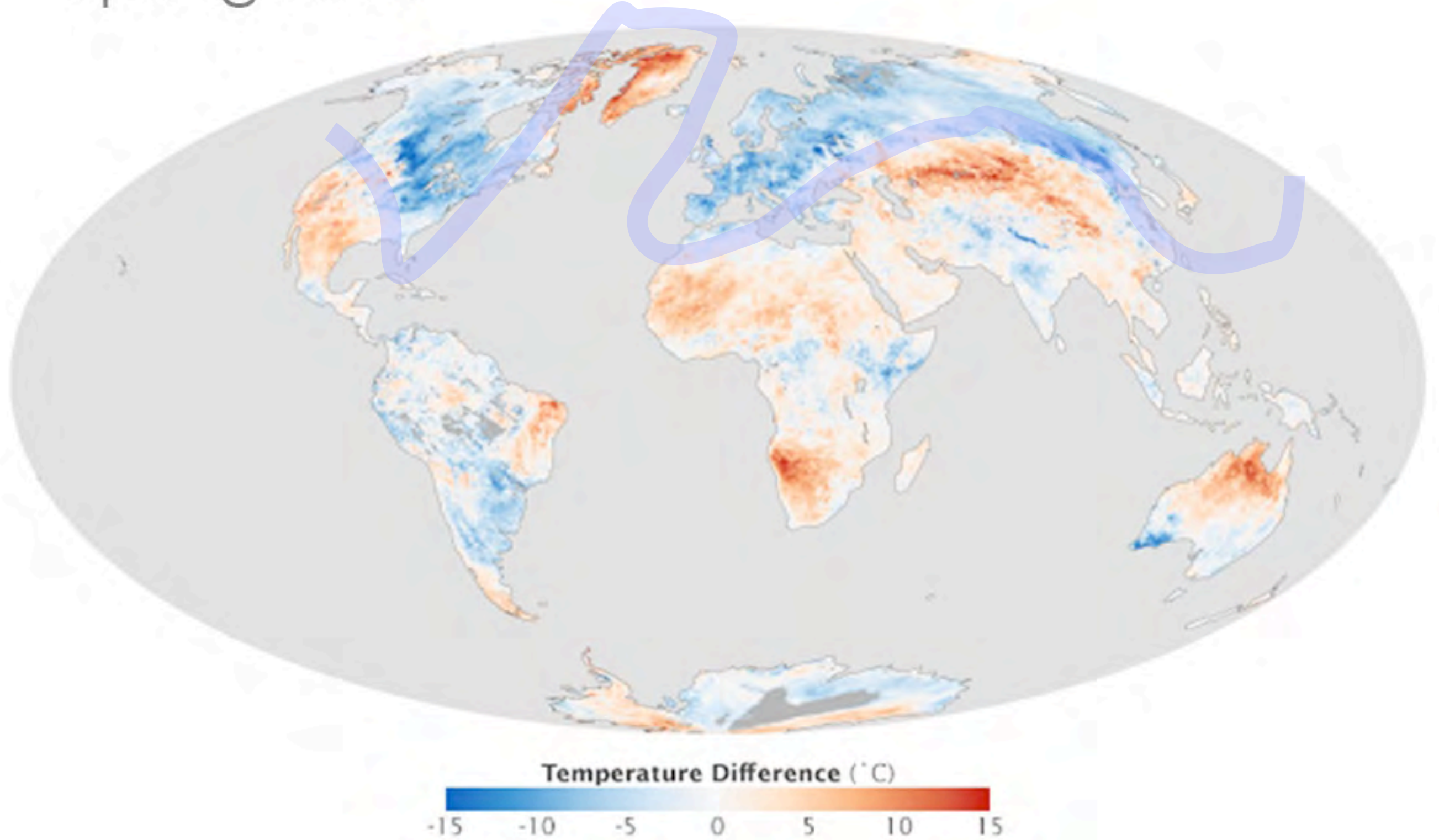


Accuweather.com 3/22/13

Spring 2013

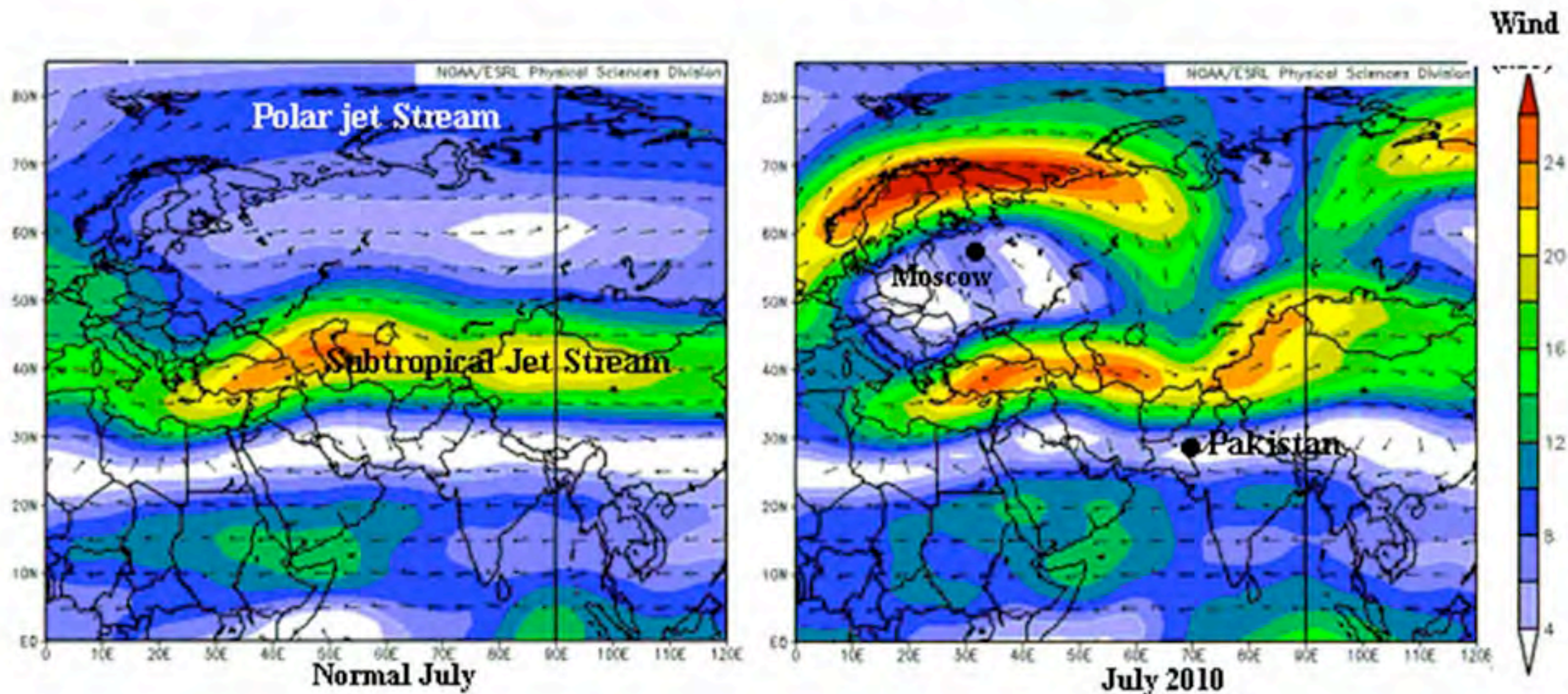


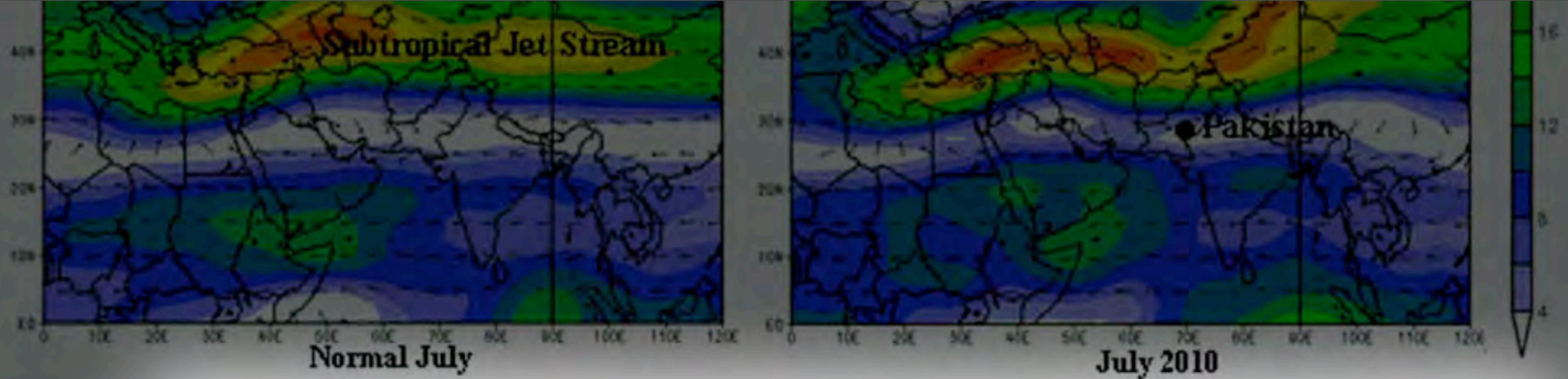
Spring 2013



Jet stream 'kink' causing Pakistan floods and Russian heatwave

SCIENCE / 16 AUGUST 10 / by DUNCAN GEERE ↗





Meteorologists studying the upper atmosphere above the northern hemisphere have drawn a link between the wildfires raging across western Russia and the dramatic flooding in northern Pakistan, pinning the blame on an unusual 'kink' in the polar jet stream that has remained frozen in place for more than a month.

A jet stream is a fast-moving current of air that wiggles around the world at an altitude of around 10 and 12 kilometres above ground. There's two branches usually in place in the

Related News: [Eastern Europe](#) · [Germany](#) · [Europe](#) · [Emerging Markets](#) · [France](#)

Muscovites Flee Worst Heat 'in 1,000 Years'; Death Rate Doubles

By Denis Maternovsky and Maria Levitov - Aug 9, 2010 10:47 AM ET

 Recommend

413

 Tweet

49



Share



More ▾

 Email

 Print



A Russian woman wears a face mask to protect herself from acrid smoke in central Moscow. Photographer: Natalia Kolesnikova/AFP/Getty Images

Muscovites fled the Russian capital in record numbers as extreme heat combined with acrid smoke from wildfires, slowing trading on the city's main stock exchange and emptying restaurants.

More than 104,400 people flew out of Moscow yesterday, topping the previous 2010 record of 101,000, according to the [Federal Air Transportation Agency](#). On Aug. 7, 95,000 left the city by plane, 20 percent more than the year-earlier date, agency spokesman Sergei Izvolsky said by telephone today.

Moscow set a daily heat record of 35.5 degrees Celsius (95.5


Russia 2010

[Western Europe](#) · [Germany](#) · [Europe](#) · [Emerging Markets](#) · [France](#)

Muscovites Flee Worst Heat 'in 1,000 Years'; Rate Doubles

ky and Maria Levitov - Aug 9, 2010 10:47 AM ET

413

 Tweet


49



Share



More ▾

 Email

Muscovites fled the Russian capital in record numbers as extreme heat combined with acrid smoke from wildfires, slowing trading on the city's main stock exchange and emptying restaurants.

Russia 2010

More than 104,400 people flew out of Moscow yesterday, topping the previous 2010 record of 101,000, according to the Russian Ministry of Transport.

Pakistan 2010



Pakistan 2010



“I will tell you that the defense review of the United States Pentagon next week is going to come out and **list climate change for the first time as an instability factor** that affects our troops and may in fact wind up costing us lives down the road,”

Senator John Kerry - 2010

“I will tell you that the defense review of the United States Pentagon next week is going to come out and list climate change for the first time as an instability factor that affects our troops and may in fact wind up costing us lives down the road,”

Senator John Kerry - 2010

Syria 2013





**The good news is -
we have solutions**

**“Climate change is real
and the most urgent
environmental issue
our society faces.”**

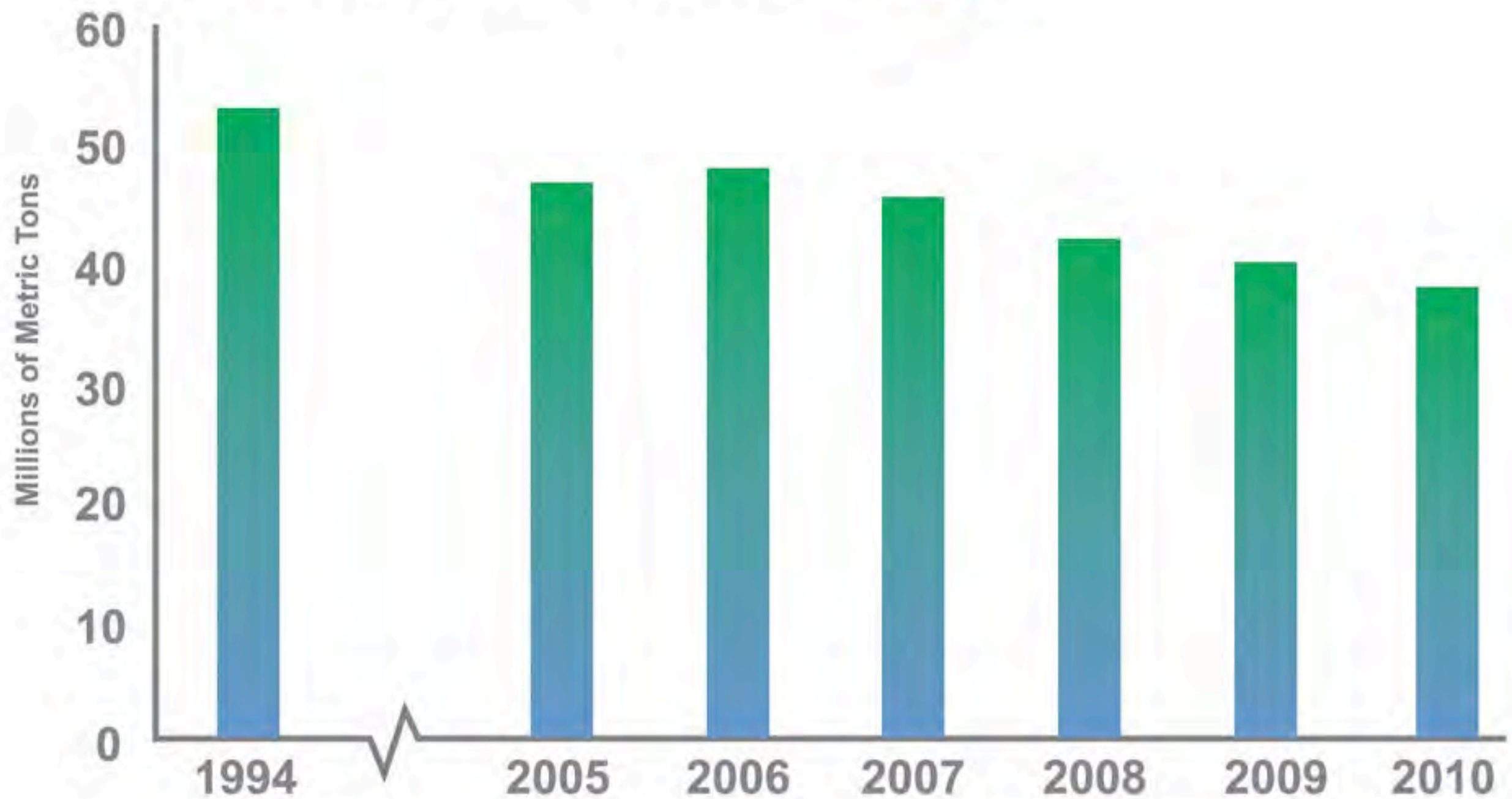
**Andrew Liveris
CEO Dow Chemical**

Greenhouse Gas Equivalent



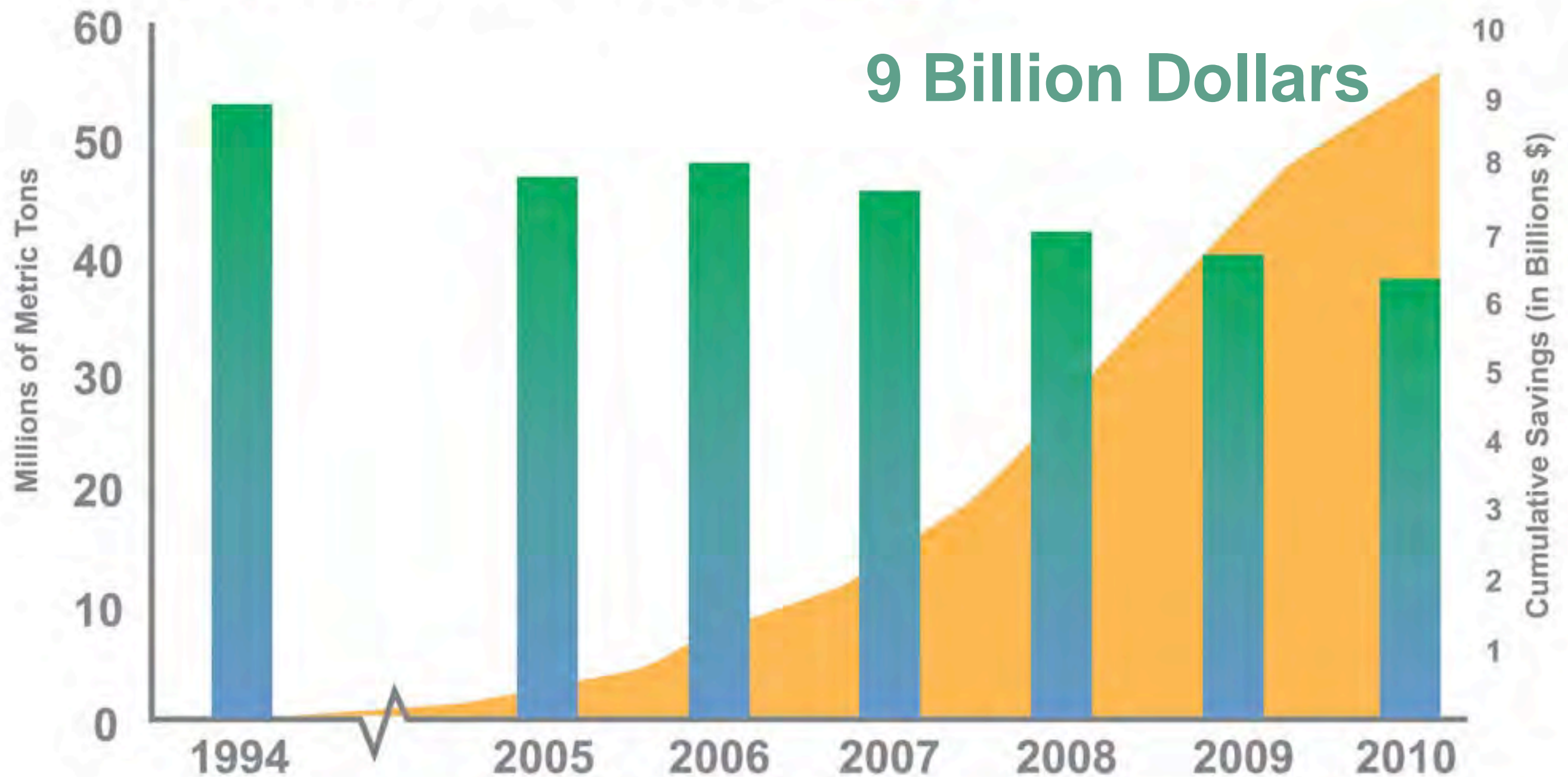
Dow 2010 Global Initiative Report

Greenhouse Gas Equivalent



Dow 2010 Global Initiative Report

Greenhouse Gas Equivalent



Dow 2010 Global Initiative Report

Disney, Microsoft and Shell opt for self-imposed carbon emissions taxes

Where governments have failed to act, some big firms have taken matters into their own hands

Marc Gunther

Guardian Professional, Tuesday 26 March 2013 13.18 EDT



Is carbon tax a Mickey Mouse gesture against the millions of miles that park visitors

Share 15

Tweet 4

+1 8

Pin it

Share 5

Email



Resource efficiency
what are the hot topics?
As we launch our
resource efficiency
content hub we'd like to
know what you woopics?
like us to cover • Please
your ideas in the
comment feed or tell us
on twitter

@GuardianSustBiz

7 comments



the guardian
Women
Leaders

Sign up today
and receive

- VIP connections
- Weekly newsletter
- Event discounts

Join the

Receive weekly
exclusive content
monthly roundups
VIP event invites

[News](#) [US](#) [World](#) [Sports](#) [Comment](#) [Culture](#) [Business](#) [Money](#) [Environment](#) [Science](#) [Travel](#) [Tech](#)[Professional](#) [Guardian Sustainable Business](#) [Hubs](#) [Events](#) [Awards](#) [In focus](#) [Jobs](#) [Become a member](#)

Disney, Microsoft and Shell opt for self-imposed carbon emissions taxes

Where governments have failed to act, some big firms have taken matters into their own hands

Marc Gunther

Guardian Professional, Tuesday 26 March 2013 13.18 EDT



Is carbon tax a Mickey Mouse gesture against the millions of miles that park visitors

Share 15

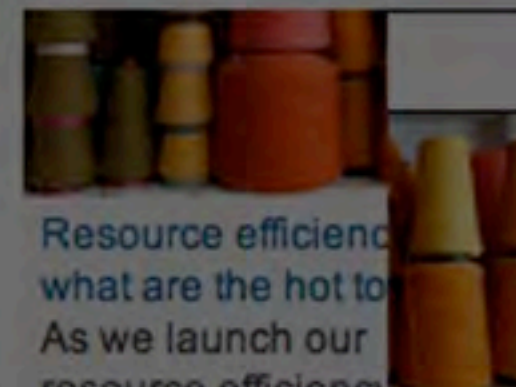
Tweet 4

+1 8

Pin it

Share 5

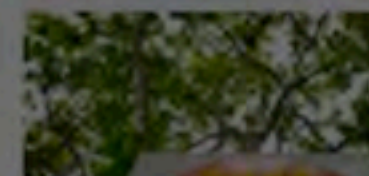
Email



Resource efficiency
what are the hot topics?
As we launch our
resource efficiency
content hub we'd like to
know what you would like to
cover • Please
your ideas in the
comment feed or tell us
on twitter

@GuardianSustBusi

7 comments



the guardian
Women
Leaders

Sign up today
and receive

- VIP connections
- Weekly newsletter
- Event discounts

Join the

Receive weekly
exclusive content
monthly roundups
VIP event invites

[News](#) | [US](#) | [World](#) | [Sports](#) | [Comment](#) | [Culture](#) | [Business](#) | [Money](#) | [Environment](#) | [Science](#) | [Travel](#) | [Tech](#)[Profess](#)[Disney impos](#)[Where gr matters](#)[Marc Gun](#)
[Guardian](#)[Jobs](#) | [Become a me](#)[theguard](#)
[Wome](#)
[Leader](#)[Sign up tod](#)
[and receive](#)

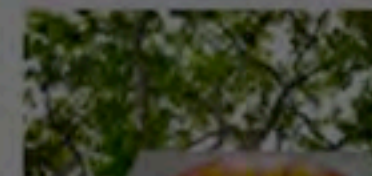
- VIP connec
- Weekly new
- Event disco

[Join the](#)[Receive weekly](#)
[exclusive conte](#)
[monthly roundu](#)
[VIP event invit](#)

“WASHINGTON — More than two dozen of the nation’s biggest corporations, including the five major oil companies, are planning their future growth on the expectation that the government will force them to pay a price for carbon pollution as a way to control global warming.”



Is carbon tax a Mickey Mouse gesture against the millions of miles that park visitors

[@GuardianSustBl](#)
7 comments

Disney impos

Where gr matters

Marc Gun Guardian

"The development is a striking departure from conservative orthodoxy and a reflection of growing divisions between the Republican Party and its business supporters."

theguard Women Leader

Sign up tod and receive

- VIP connec
- Weekly new
- Event disco

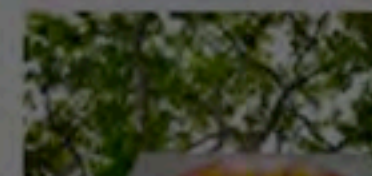
Join the

Receive weekly exclusive conte monthly roundu VIP event invit



Is carbon tax a Mickey Mouse gesture against the millions of miles that park visitors

@GuardianSustBl
7 comments



[News](#) | [US](#) | [World](#) | [Sports](#) | [Comment](#) | [Culture](#) | [Business](#) | [Money](#) | [Environment](#) | [Science](#) | [Travel](#) | [Tech](#)[Profess](#)

Disney impos

Where g
matters

Marc Gun
Guardian

“It’s climate change as a line item,” Mr. Carnac said. “They’re looking at it from a rational perspective, **making a profit**. It drives internal decision-making.”

[Jobs](#) | [Become a me](#)

the guard Wome Leader

Sign up tod
and receive

- VIP connec
- Weekly new
- Event disco

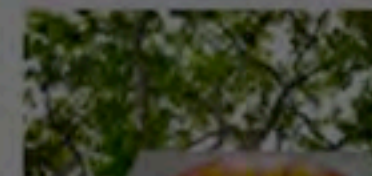
Join the

Receive weekly
exclusive conte
monthly roundu
VIP event invit



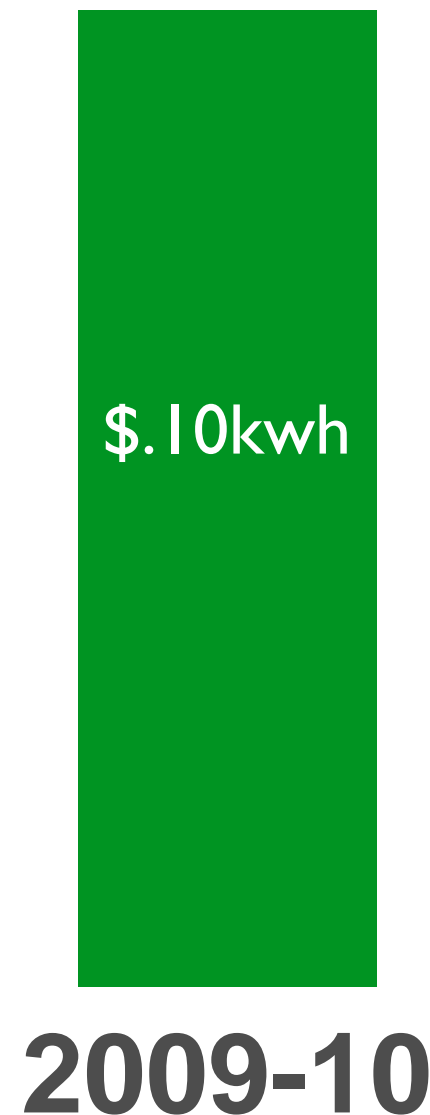
Is carbon tax a Mickey Mouse gesture against the millions of miles that park visitors

@GuardianSustBl
7 comments





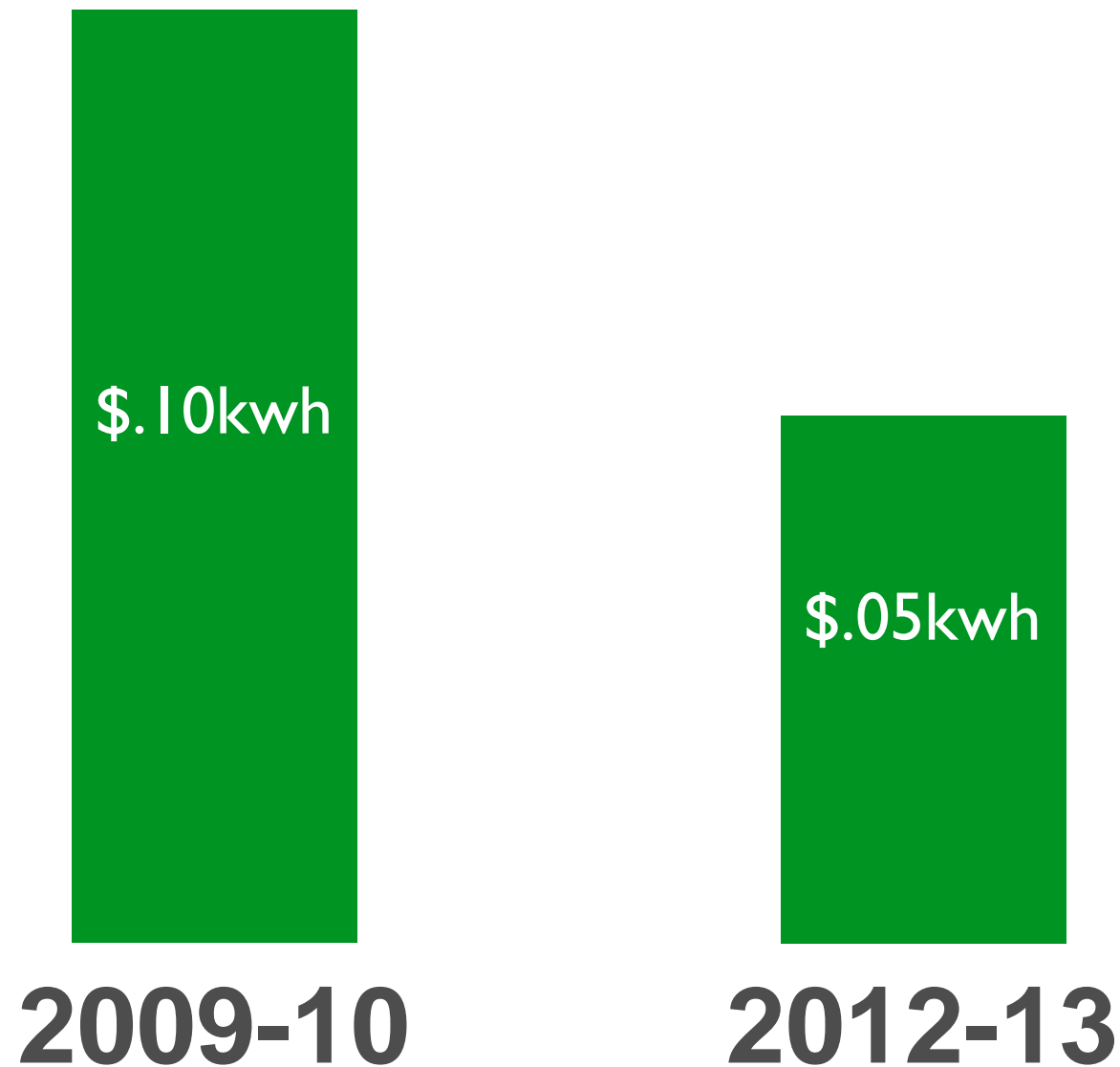
Wind Energy in Michigan - Costs Plummeting



“The most recent contracts approved by the Commission for new wind capacity have levelized costs in the \$52 per MWh range which is about 10 percent less than the cheapest levelized contract prices from a year ago and half of the levelized cost of the first renewable energy contracts approved in 2009 and 2010.”

Michigan Public Service Commission Feb. 15, 2013

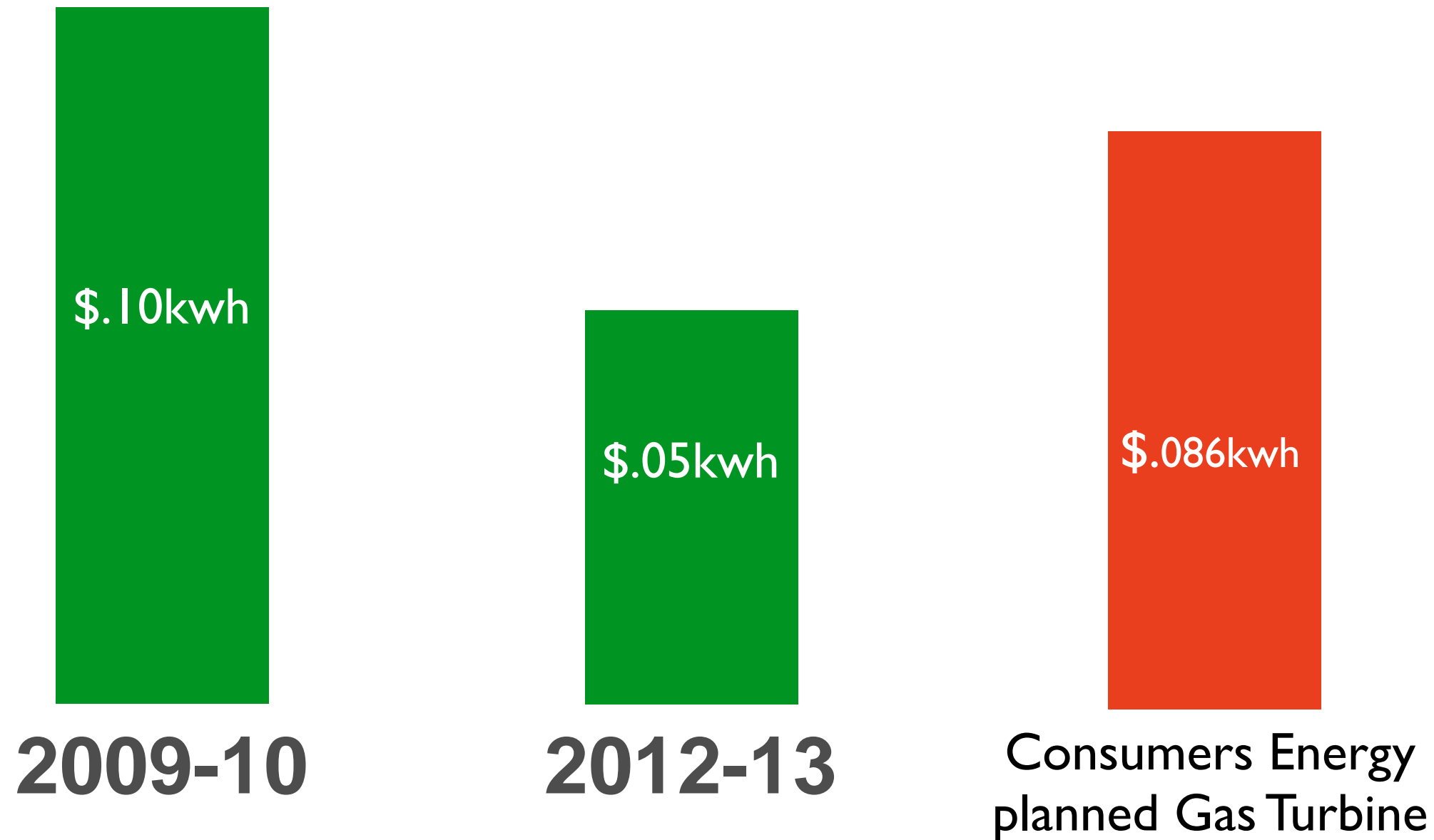
Wind Energy in Michigan - Costs Plummeting



“The most recent contracts approved by the Commission for new wind capacity have levelized costs in the \$52 per MWh range which is about 10 percent less than the cheapest levelized contract prices from a year ago and half of the levelized cost of the first renewable energy contracts approved in 2009 and 2010.”

Michigan Public Service Commission Feb. 15, 2013

Wind Energy in Michigan - Costs Plummeting



“The most recent contracts approved by the Commission for new wind capacity have levelized costs in the \$52 per MWh range which is about 10 percent less than the cheapest levelized contract prices from a year ago and half of the levelized cost of the first renewable energy contracts approved in 2009 and 2010.”

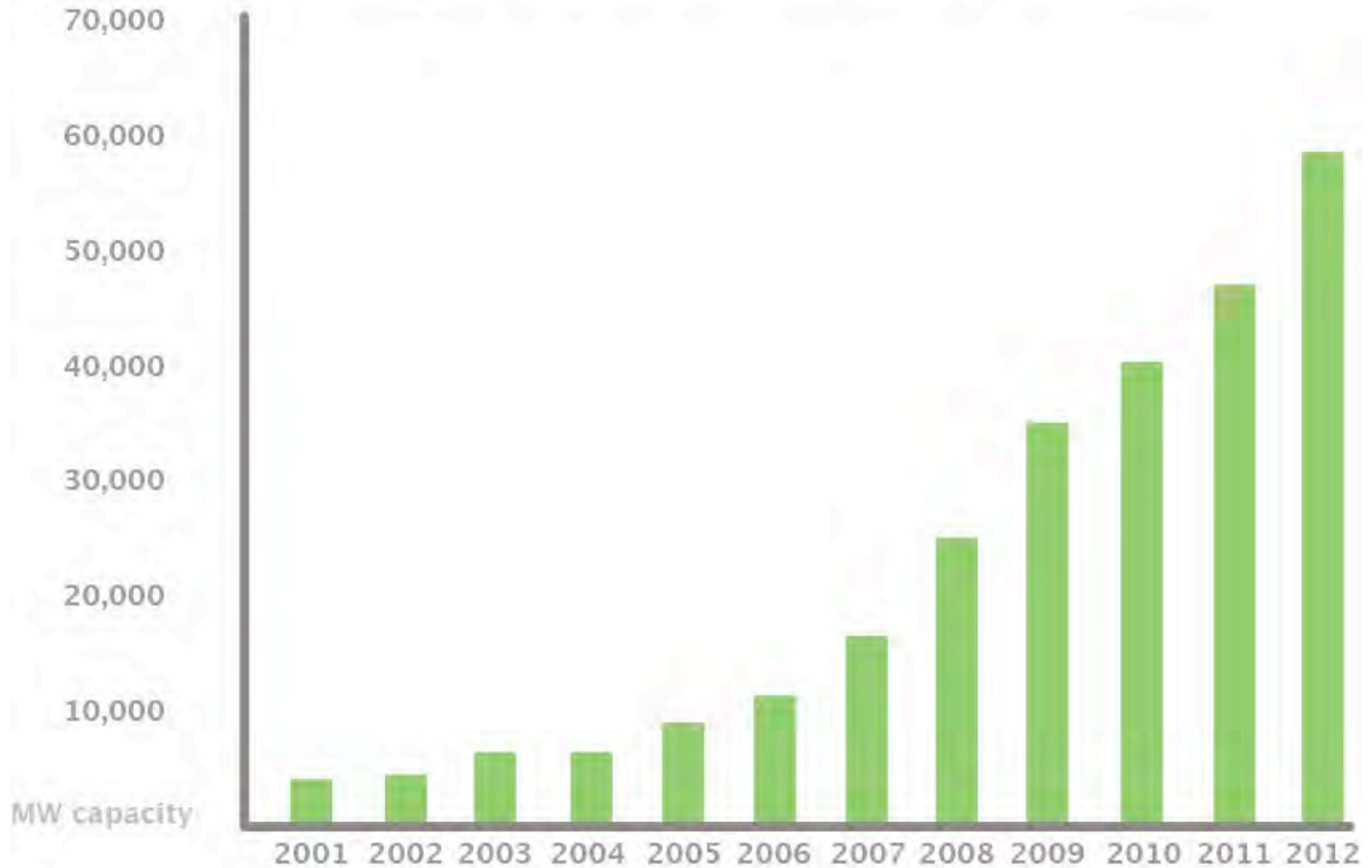
Michigan Public Service Commission Feb. 15, 2013

US Wind Power Capacity Growth



AWEA

US Wind Power Capacity Growth



AWEA





TOP STORIES IN MARKETS

1 of 12



Buy Hess?
Perhaps a
Norwegian Would



2 of 12

For Dell, It's
Nice to Be Wanted

3

Cyprus's Capital-Control
Conundrum

MARKETS | March 25, 2013, 4:34 a.m. ET

Utilities Facing a 'Mortal Threat' From Solar

Article

Stock Quotes

Comments (23)



Email



Print



Save



A

A

By YULIYA CHERNOVA

Traditional transmission and distribution utilities will have to deal with distributed solar power, and it won't be a pretty fight, according to David Crane, president and chief

BOS

TOP STORIES IN MARKETS

1 of 12



Buy Hess?
Perhaps a
Norwegian Would



2 of 12

For Dell, It's
Nice to Be Wanted

3 of 12

Cyprus's Capital-Control
Conundrum

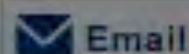
MARKETS | March 25, 2013, 4:34 a.m. ET

Utilities Facing a 'Mortal Threat' From Solar

Article

Stock Quotes

Comments (23)



Email



Print



Save



A

A

By YULIYA CHERNOVA

Traditional transmission and distribution utilities will have to deal with distributed solar power, and it won't be a pretty fight, according to David Crane, president and chief

BOS

Global Economics

Companies & Industries

Politics & Policy

Technology

Markets & Finance

Innovation & Design

Lifestyle

Features

Why the U.S. Power Grid's Days Are Numbered

By Chris Martin, Mark Chediak, and Ken Wells | August 22, 2013



SEND TO **kindle**



Global Economics

Companies & Industries

Politics & Policy

Technology

Markets & Finance

Innovation & Design

Lifestyle

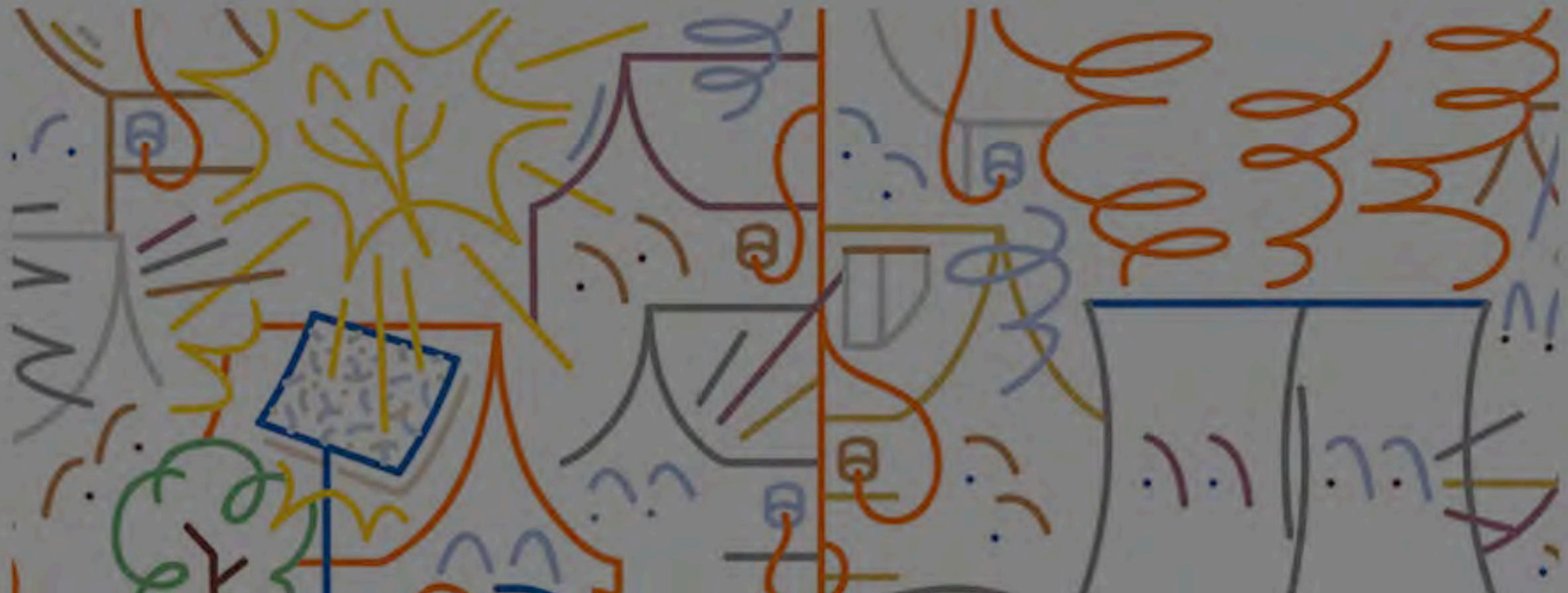
Features

Why the U.S. Power Grid's Days Are Numbered

By Chris Martin, Mark Chediak, and Ken Wells | August 22, 2013



SEND TO **kindle**





[Home](#)

[Business](#)

[Markets](#)

[World](#)

[Politics](#)

[Tech](#)

[Opinion](#)

[Breakingviews](#)

[More](#)

Analysis: Renewables turn utilities into dinosaurs of the energy world

Recommend

4,504 people recommend this. Be the first of your friends.



Tweet 1,023

Share 130

Share this

+1 32

Email

Print

Related News

[Solar batteries could](#)



REUTERS

EDITION: U.S.

Register

Sign In

Home

Business ▾

Markets ▾

World ▾

Politics ▾


Tech ▾

Opinion ▾


Breakingviews ▾


Analysis: Renewables turn utilities into dinosaurs of the energy world


 Recommend


 4,504 people recommend this. Be the first of your friends.





 Tweet 1,023

 Share 130

 Share this

 +1 32

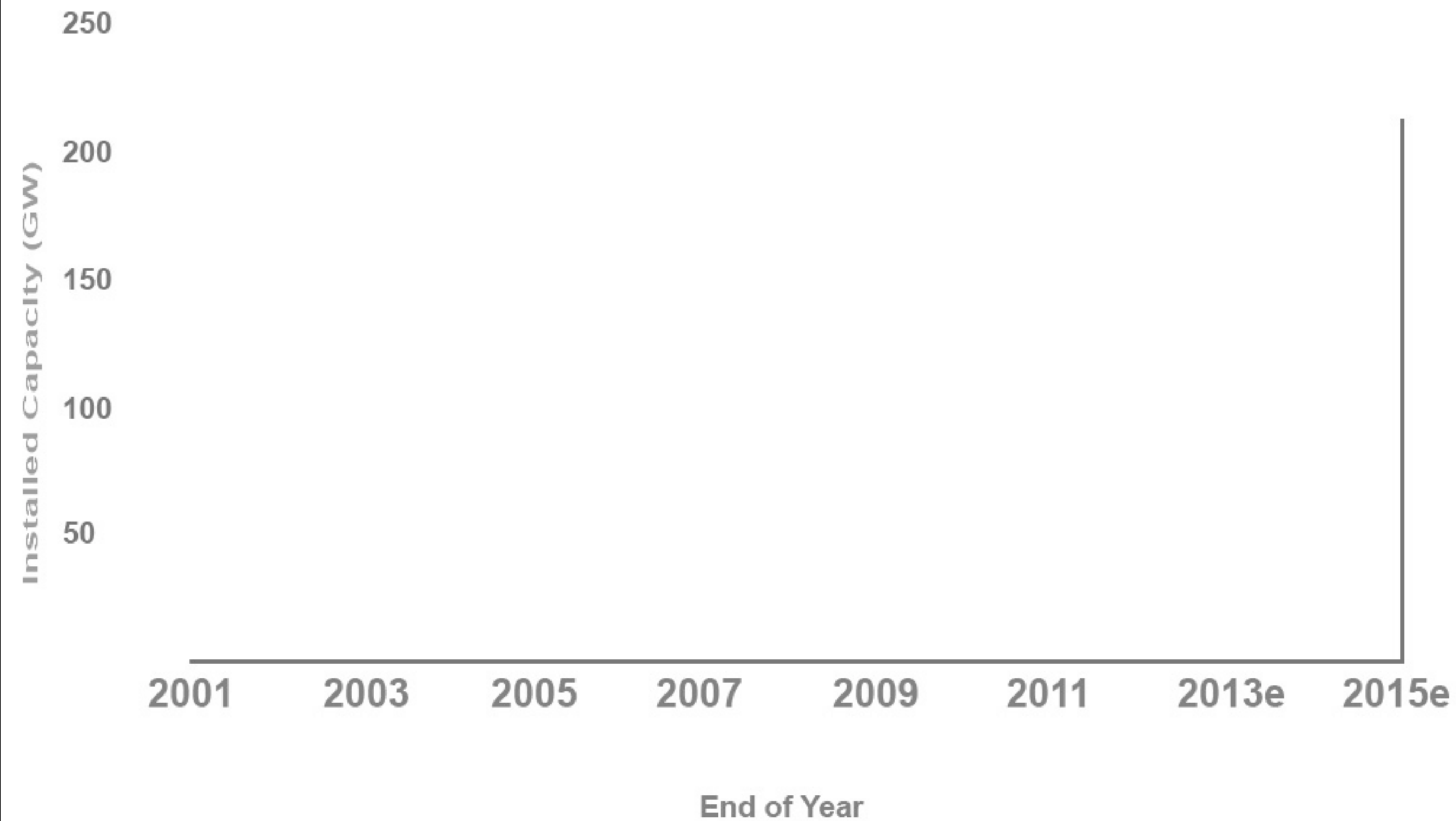
 Email

 Print

Related News

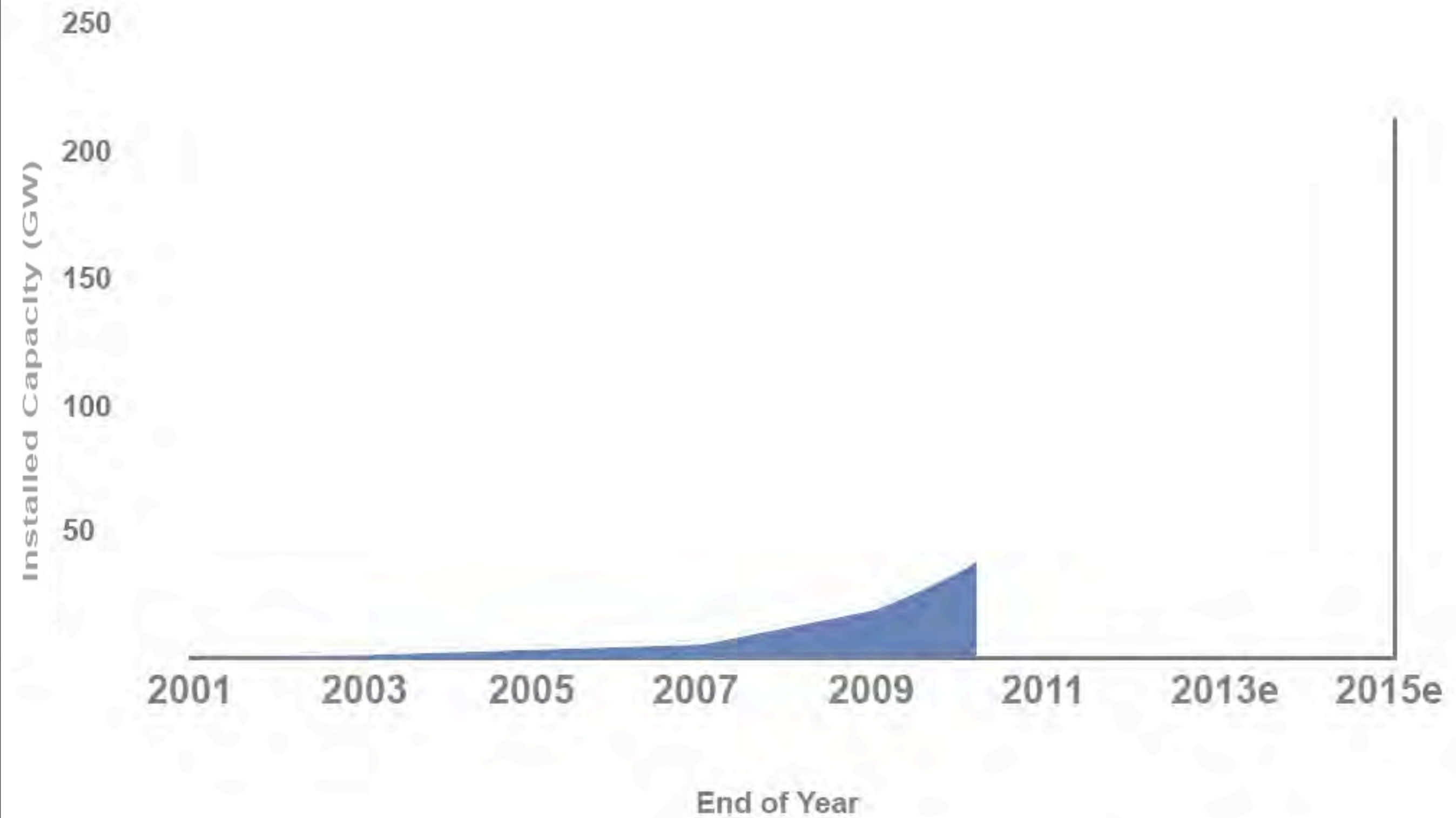
Solar batteries could

Cumulative Global PV Installations at Year End, 2001-2015 (estimate)

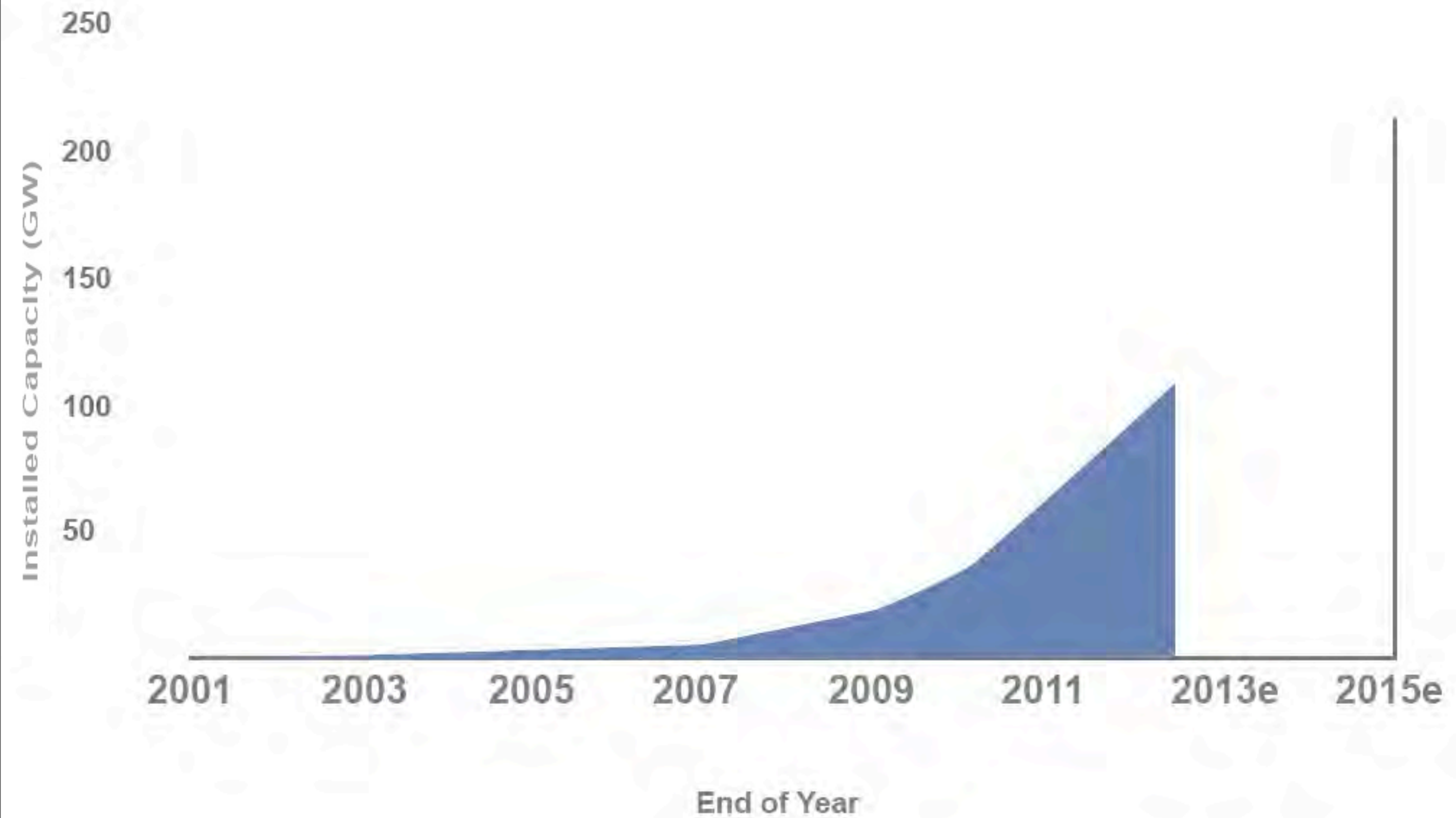


Greentechmedia

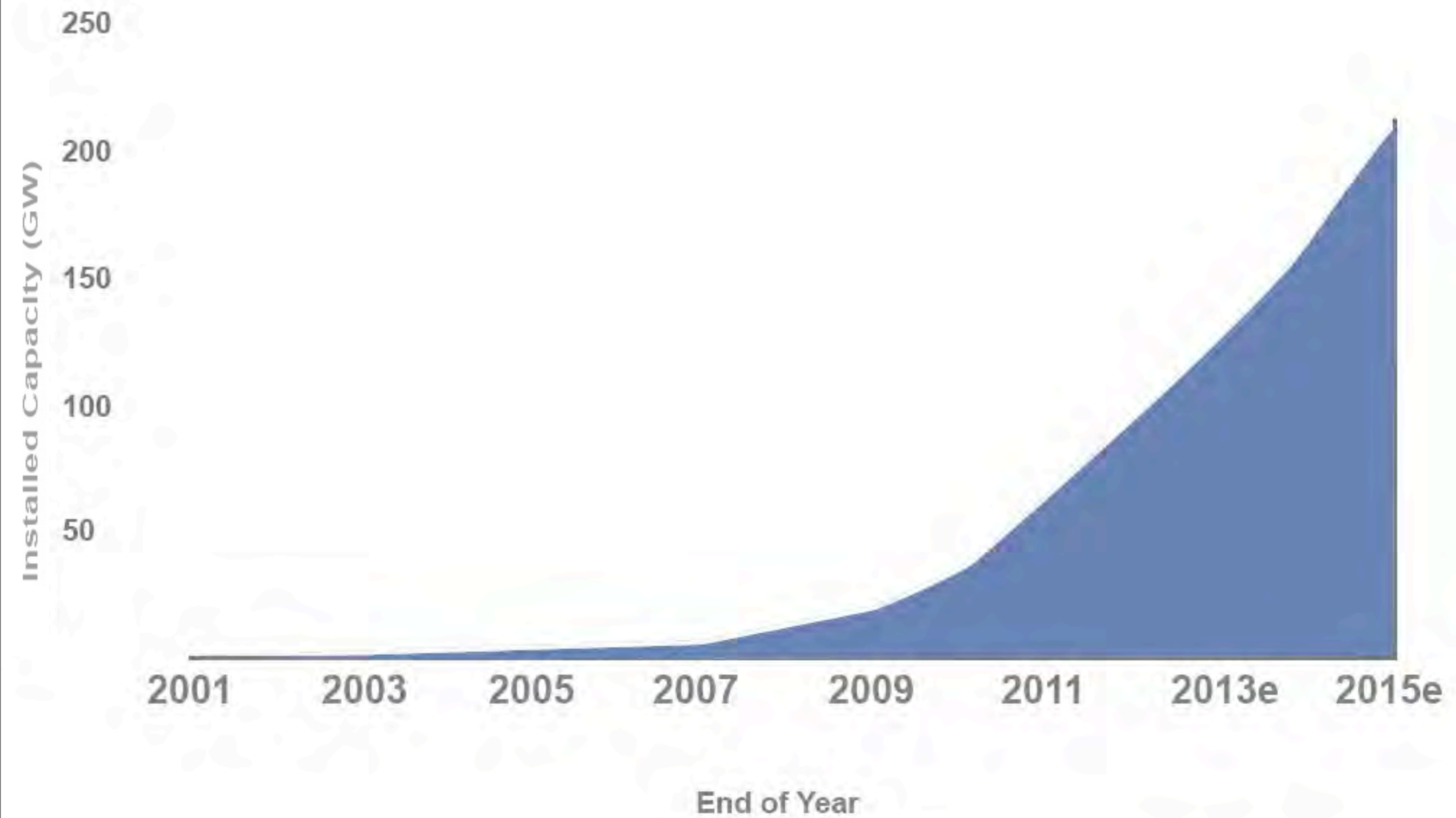
Cumulative Global PV Installations at Year End, 2001-2015 (estimate)



Cumulative Global PV Installations at Year End, 2001-2015 (estimate)



Cumulative Global PV Installations at Year End, 2001-2015 (estimate)



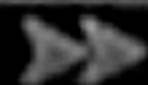


FOX
NEWS

GREEN GOING BUST?

LOSS OF TAX CREDITS MIGHT DIM SOLAR INDUSTRY

FOX
friends



IRAN'S SUPREME LDR REJECTS VP JOE BIDEN



FOX
NEWS

GREEN GOING BUST?

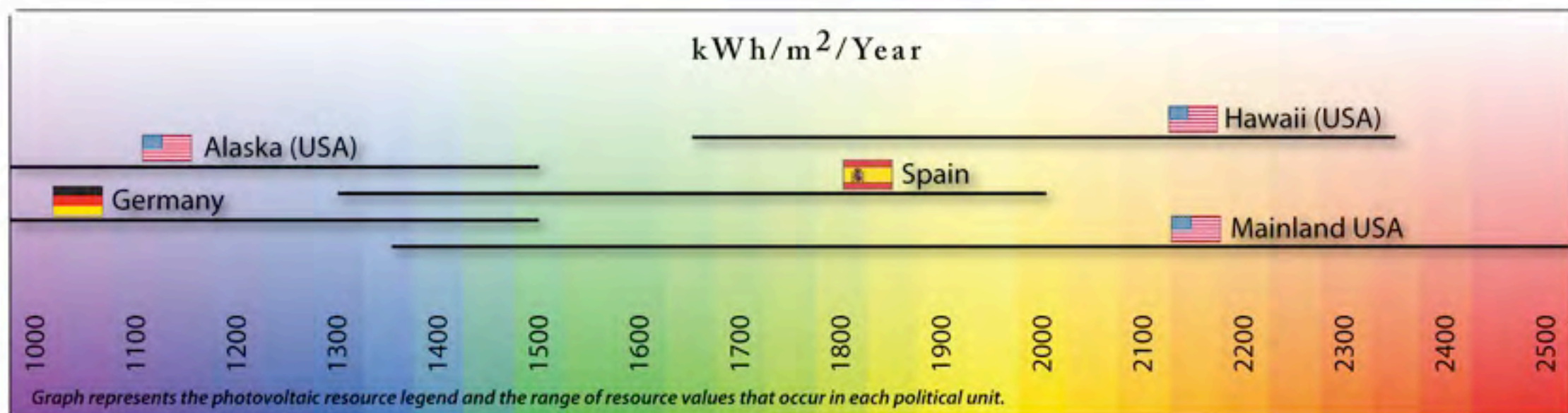
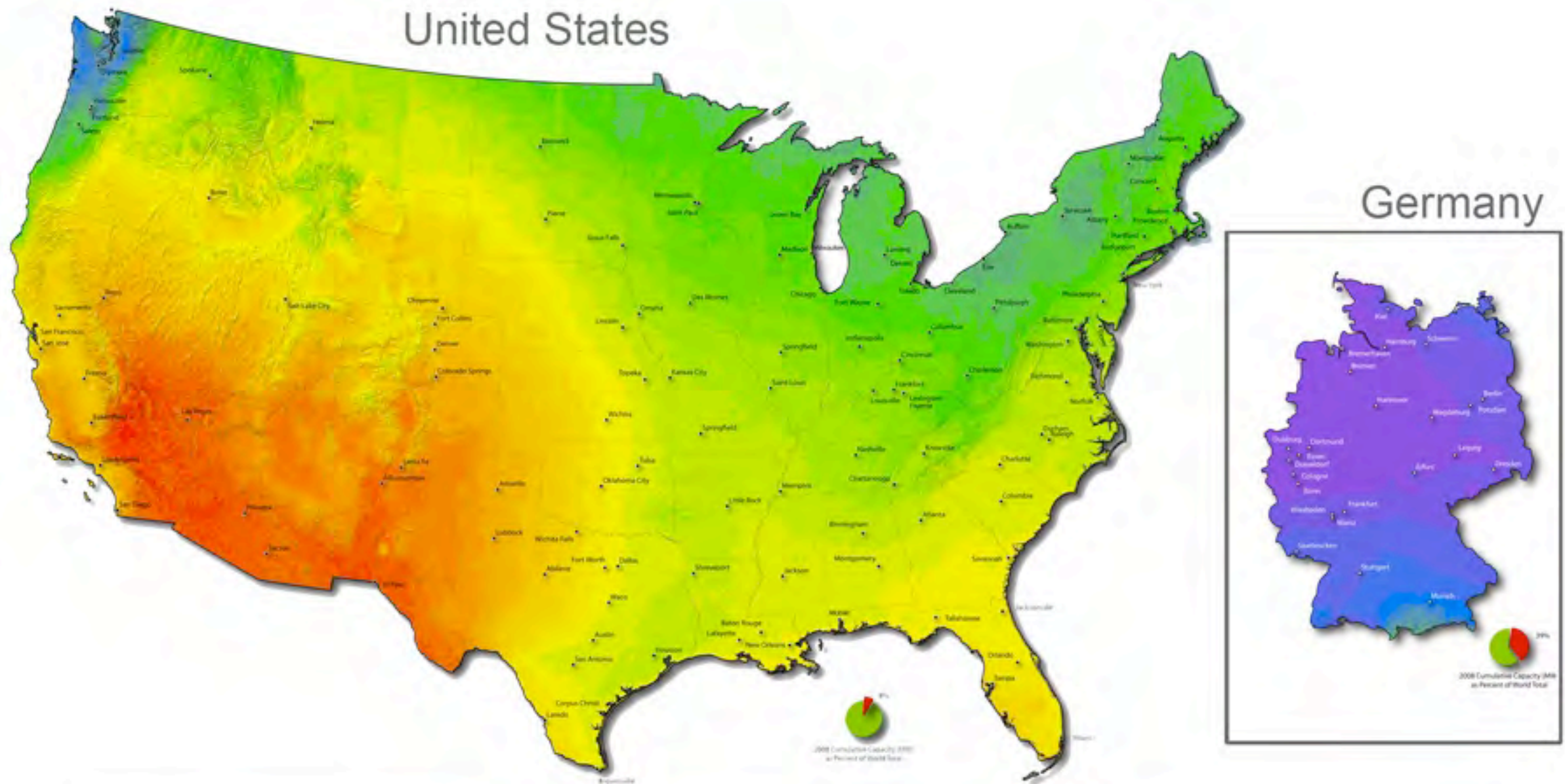
LOSS OF TAX CREDITS MIGHT DIM SOLAR INDUSTRY

FOX
friends

➤➤ **IRAN'S SUPREME LDR REJECTS VP JOE BIDEN**







Germany and US solar photovoltaic resource compared - NREL



SAVE

SUBSC

Global
Economics

Companies &
Industries

Politics & Policy

Technology

Markets &
Finance

Innovation &
Design

Lifestyle

AP News

While US argues, Germany faces budget surplus

By David Mc Hugh | October 17, 2013



SEND TO **kindle**

FRANKFURT, Germany (AP) — While politicians in the United States argue about spending cuts, deficits and the debt ceiling, Germany faces a different discussion: What to do with a looming budget surplus.

The country's strong economy means it will take in more in tax revenue than it will spend next year for a third straight year, a group of top economic institutes said in a twice-annual report Thursday.



SAVE
SUBS

Global
Economics

Companies &
Industries

Politics & Policy

Technology

Markets &
Finance

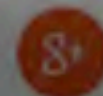
Innovation &
Design


Lifestyle

AP News

While US argues, Germany faces budget surplus

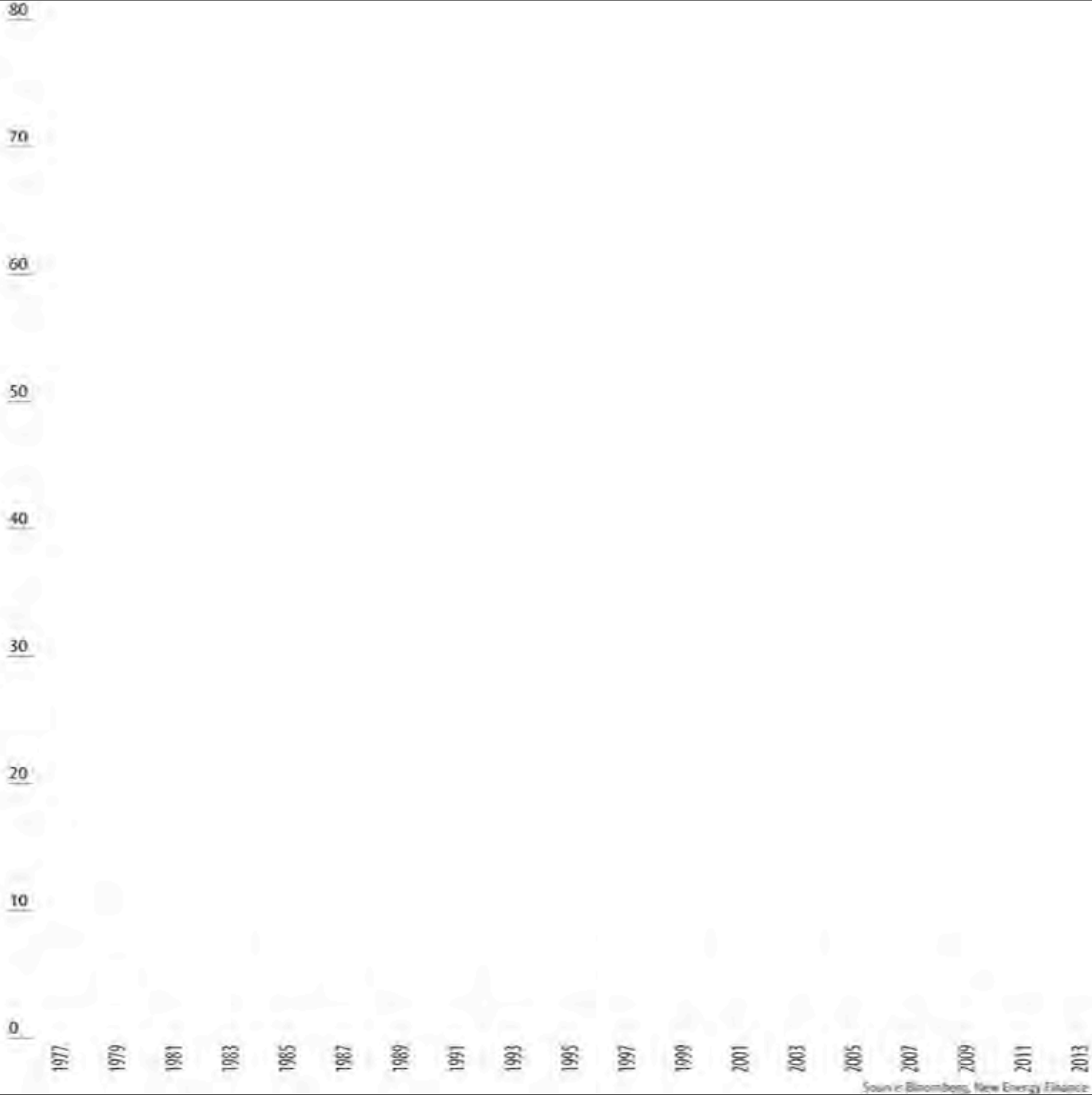
By David Mc Hugh | October 17, 2013

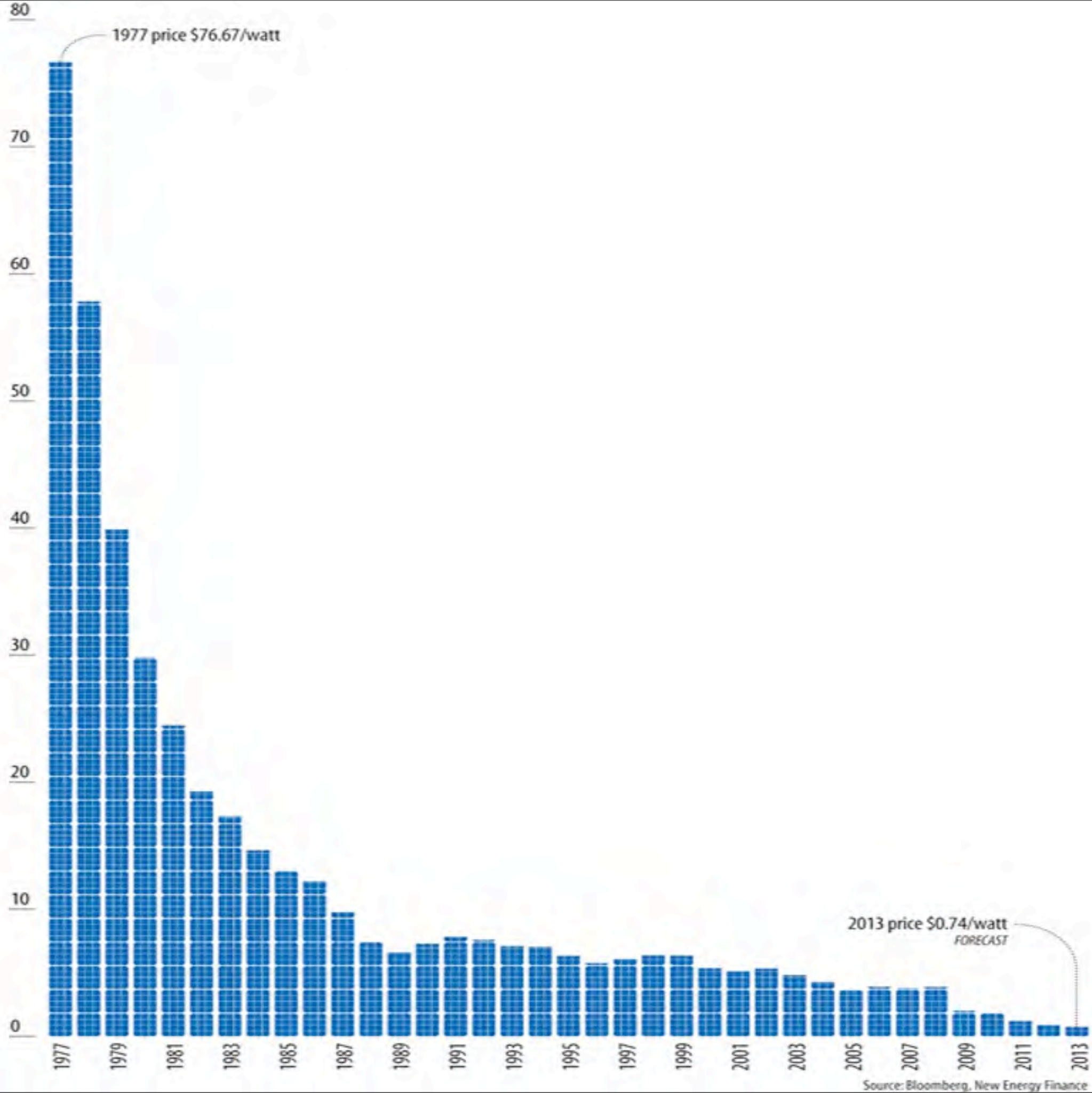


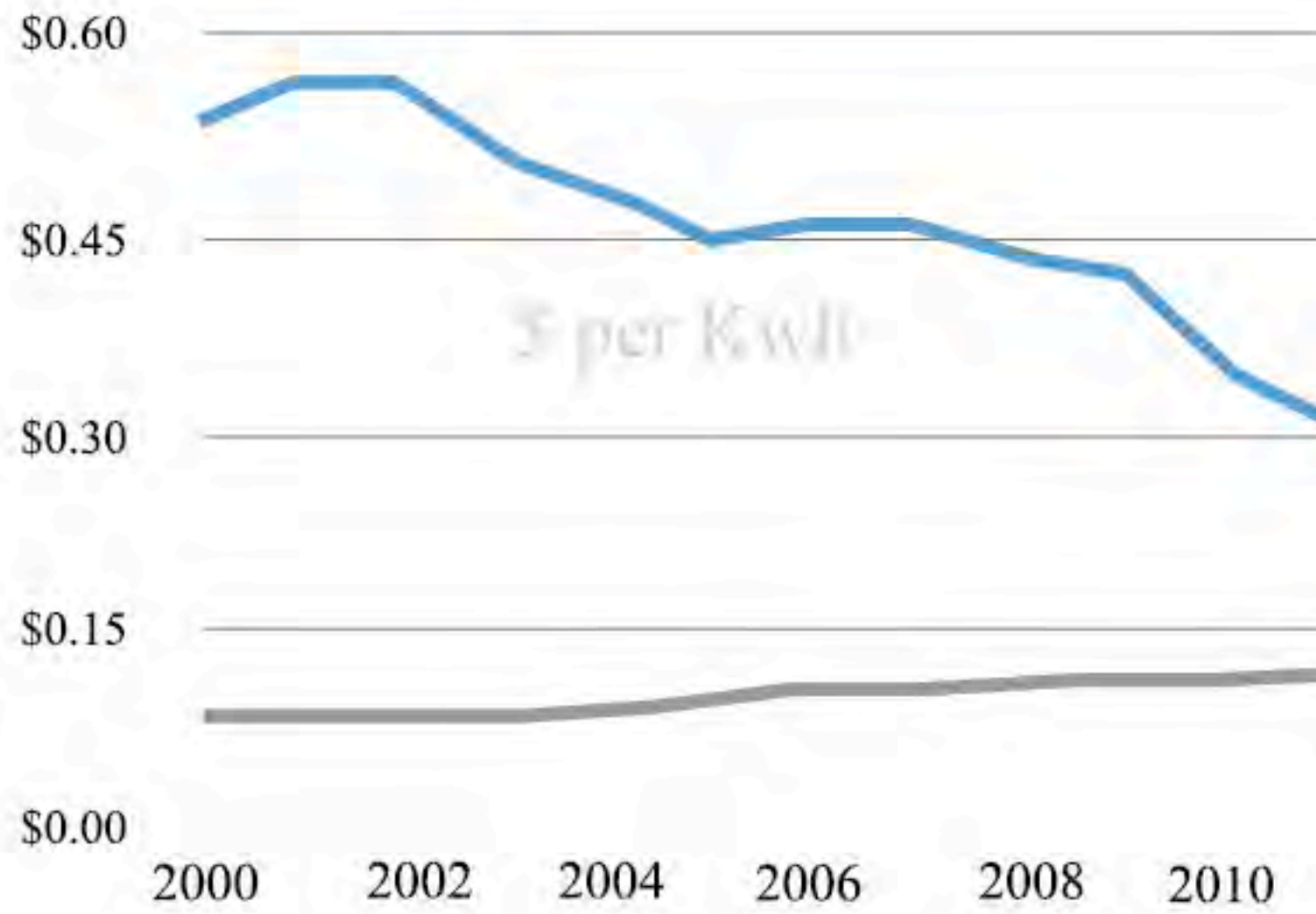
SEND TO 

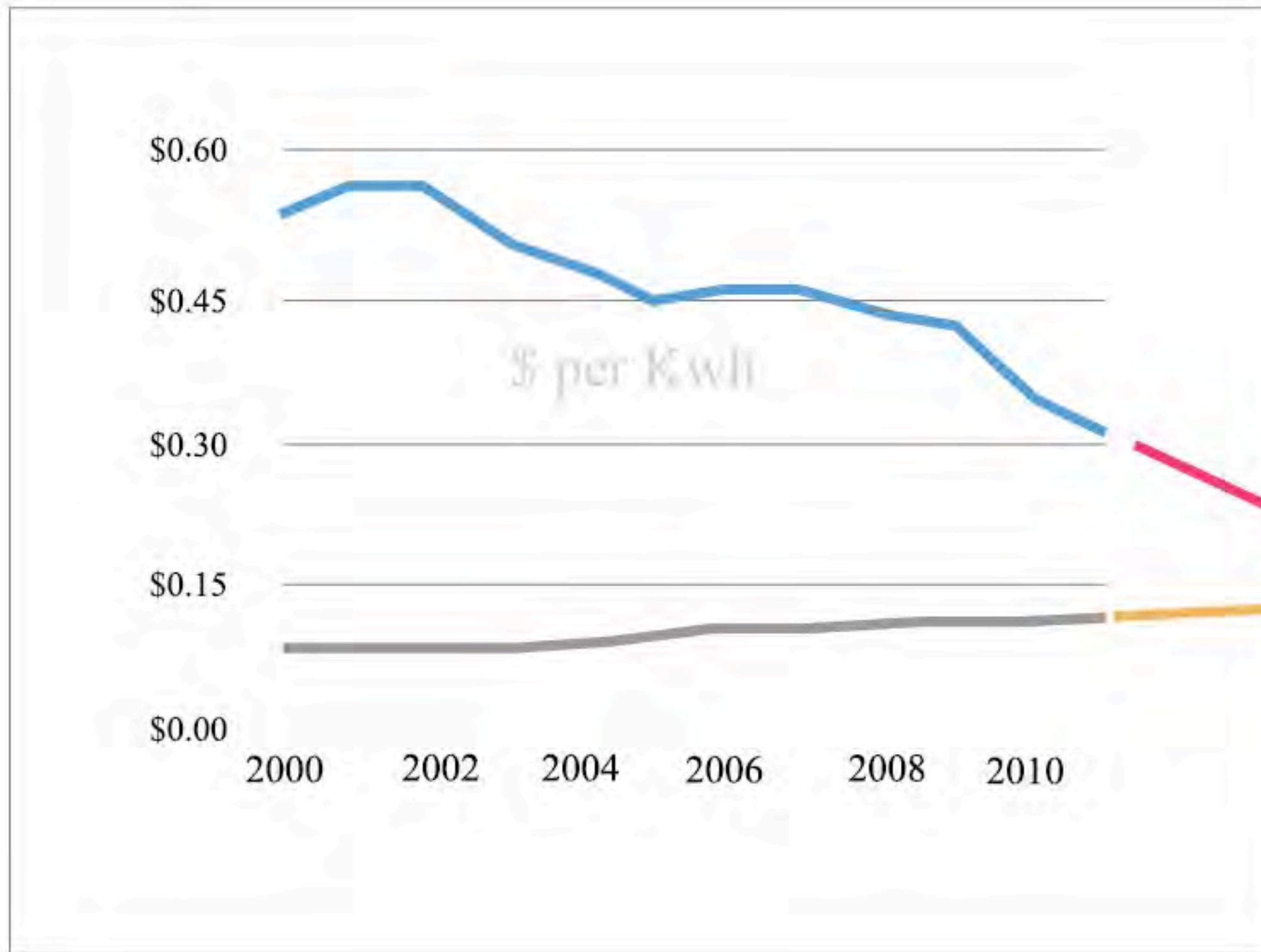
FRANKFURT, Germany (AP) — While politicians in the United States argue about spending cuts, deficits and the debt ceiling, Germany faces a different discussion: What to do with a looming budget surplus.

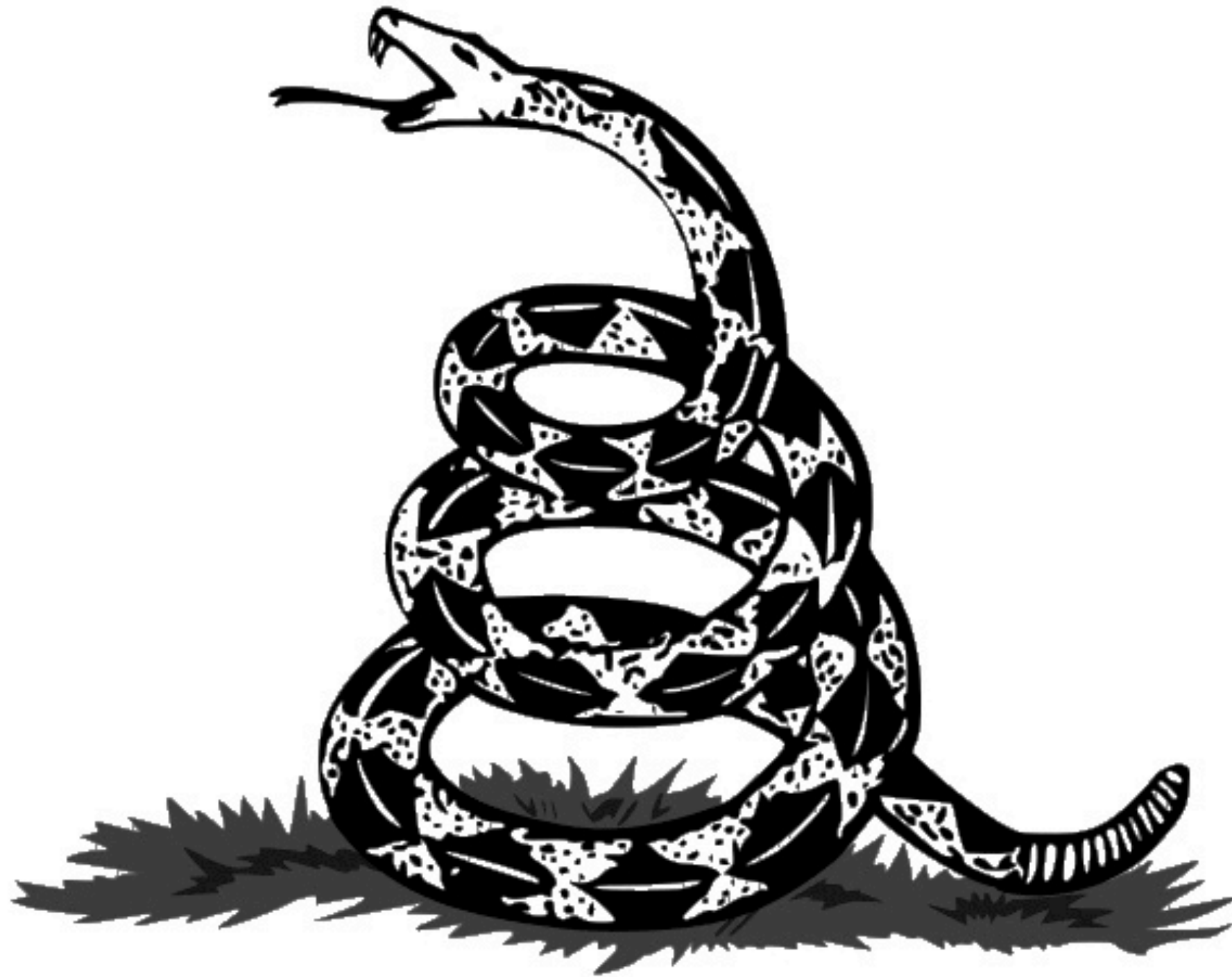
The country's strong economy means it will take in more in tax revenue than it will spend next year for a third straight year, a group of top economic institutes said in a twice-annual report Thursday.











DON'T TREAD ON ME



DON'T TREAD ON ME

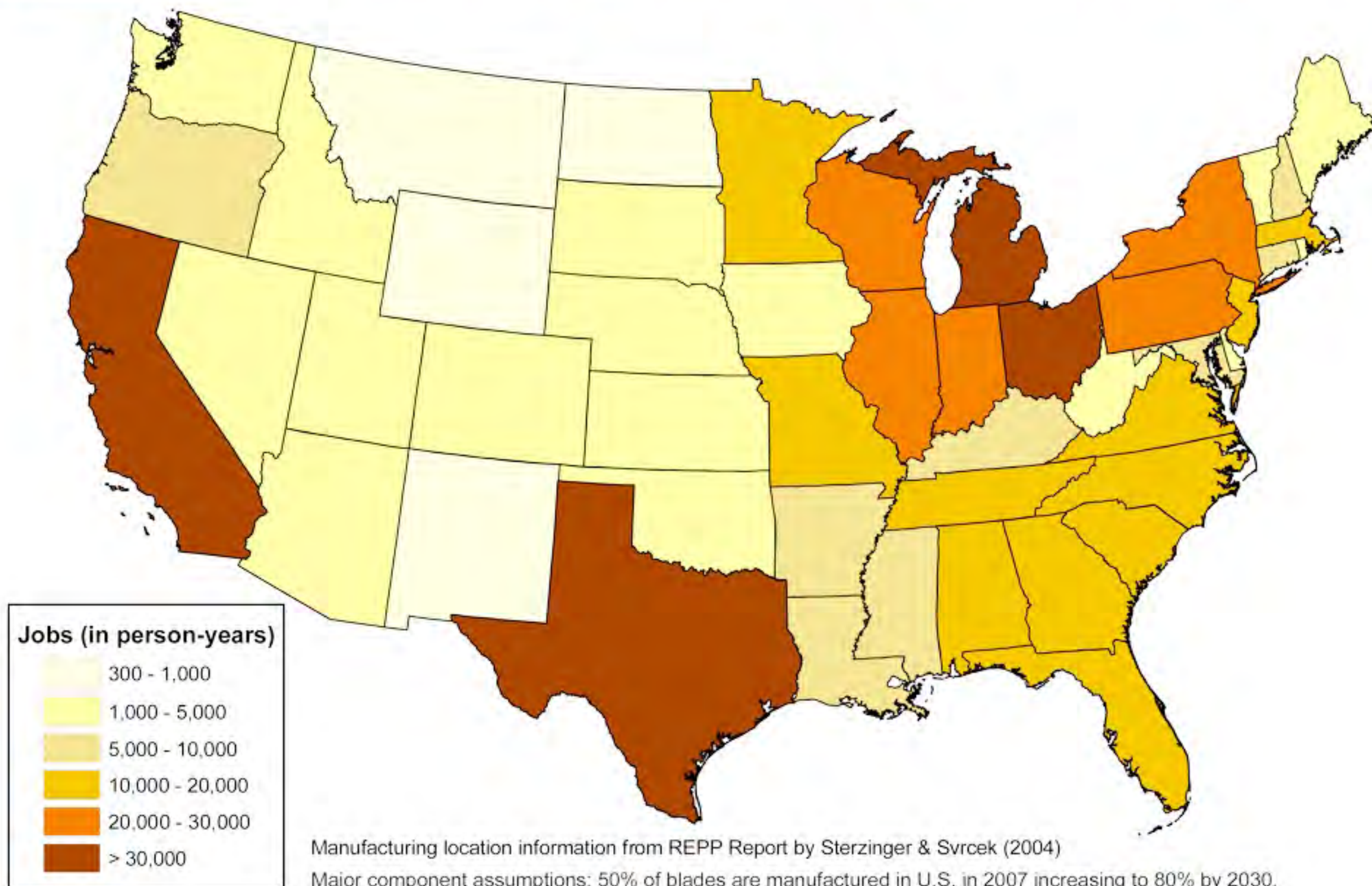


OPB





Manufacturing Jobs supported by State



Manufacturing location information from REPP Report by Sterzinger & Svrcek (2004)

Major component assumptions: 50% of blades are manufactured in U.S. in 2007 increasing to 80% by 2030, 26% of towers are from the U.S. in 2007 increasing to 50% by 2030 and 20% of turbines are made in the U.S. increasing to 42% by 2030.