

# “A Cool Look at Global Warming”

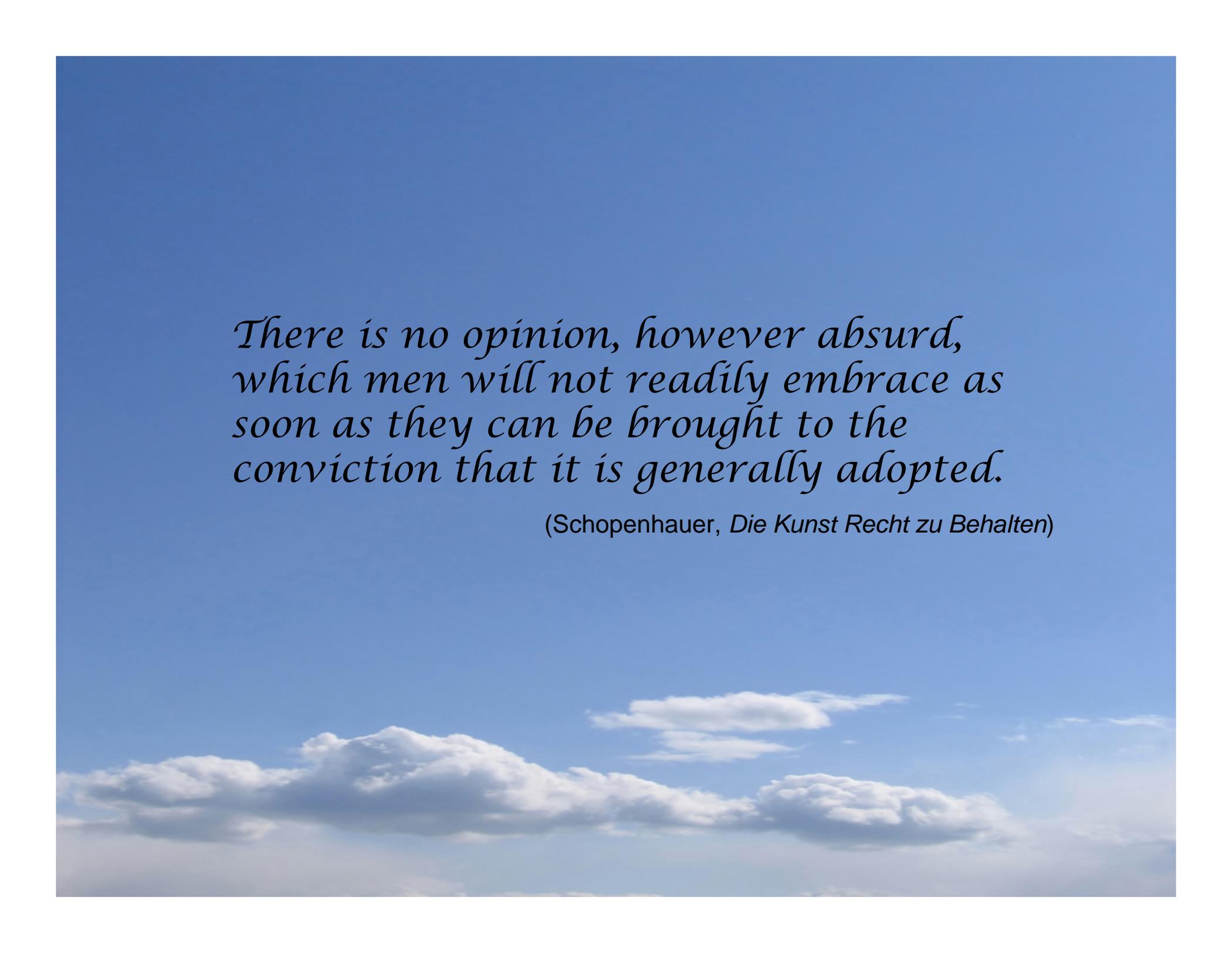


Presentation to the  
Chatswood Rotary Club

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11 February 2009

Roseville RSL Memorial Club



*There is no opinion, however absurd,  
which men will not readily embrace as  
soon as they can be brought to the  
conviction that it is generally adopted.*

*(Schopenhauer, Die Kunst Recht zu Behalten)*

Facts that we can all agree upon:

*(global warming advocates and sceptics alike)*

# Carbon Dioxide (CO<sub>2</sub>) is:

1. Naturally occurring
2. Invisible
3. Odourless
4. Non-toxic
5. Necessary for all plant life (photosynthesis)
6. Emitted by all animal life (breathing etc.)

So why is CO<sub>2</sub> called a “pollutant”?

Answer:

Because it is a “greenhouse gas” - even though greenhouse gases make Planet Earth liveable(+14°C average global temperature, rather than -19°C otherwise)

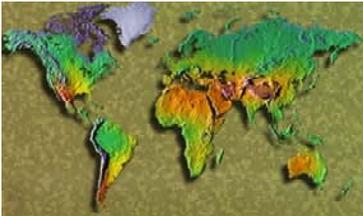


# Greenhouse gases, in order of importance, comprise:

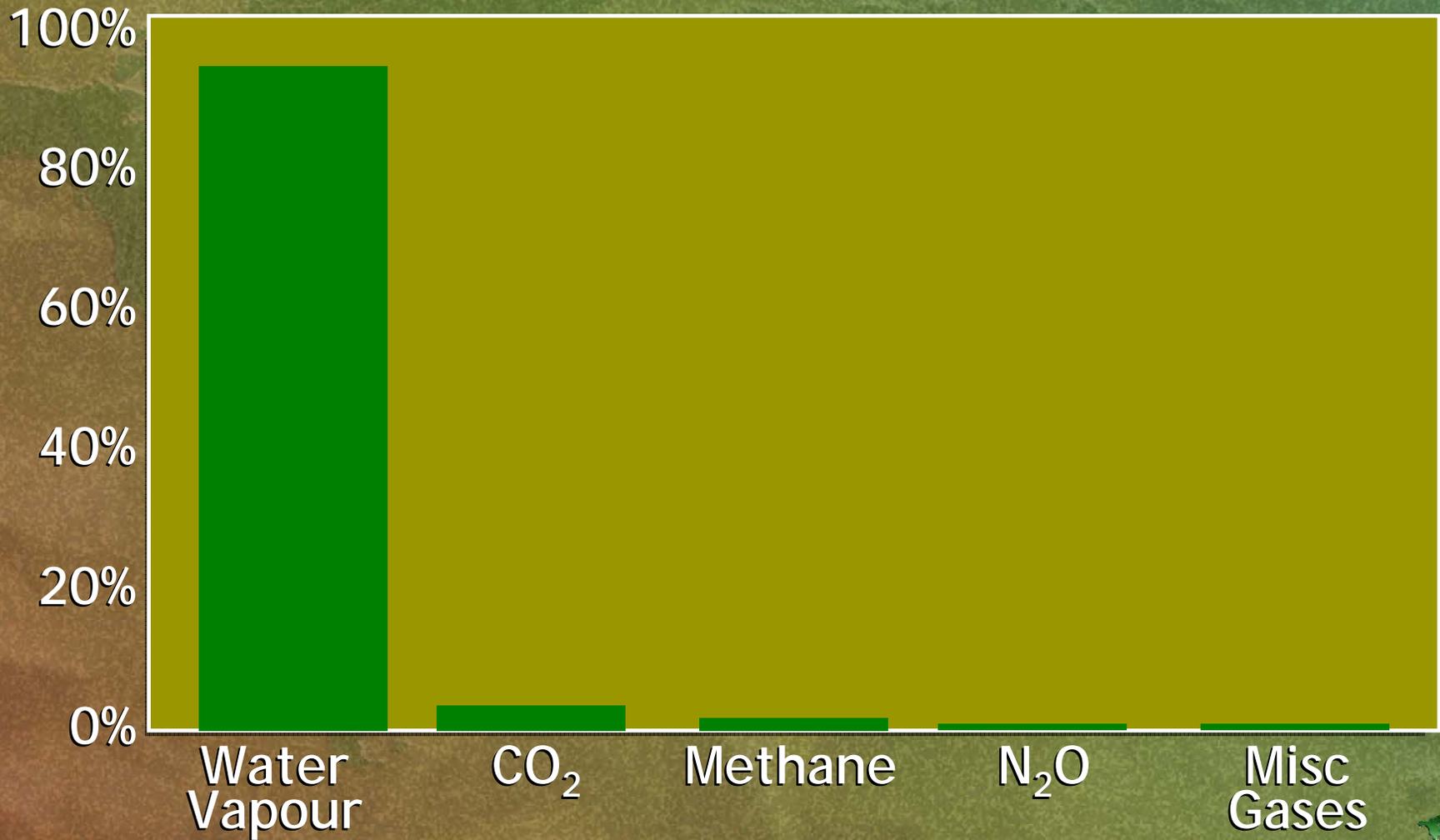
Water vapour	97%
Carbon Dioxide	2%
Methane, N <sub>2</sub> O, etc.	1%

So along with your exhaled breath, fluffy clouds and cow belches are also villainous “pollutants”!





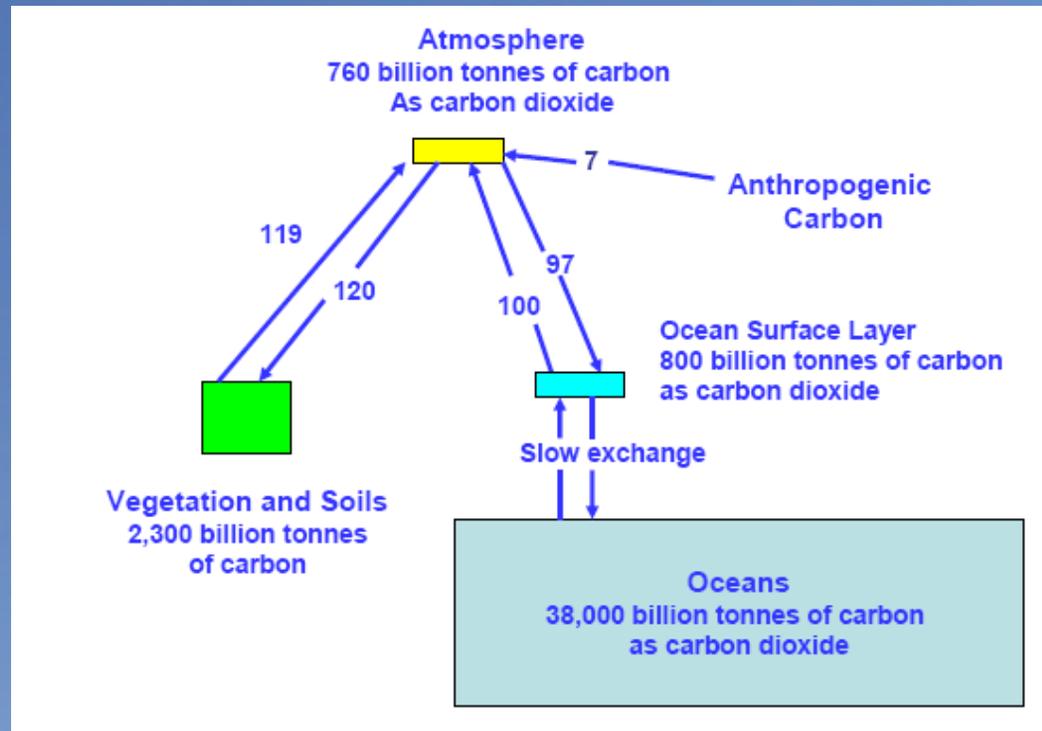
# Water: Main greenhouse gas & driver of CO<sub>2</sub>



Humankind currently contributes 3% of the Earth's annual emissions of CO<sub>2</sub> into the atmosphere.

The 97% balance of emissions is split between vegetation and soils (53%) and the oceans (44%).

# Carbon Dioxide in a Cooling World



*Annual Carbon Flux between the Oceans, Vegetation and Soils, Humankind and the Atmosphere*

Australia contributes 1.5% of global anthropogenic emissions.  
The Rudd Government's Emissions Trading Scheme plans to reduce Australia's emissions by 5% by 2020.



The Australian Government's  
"Carbon Pollution Reduction  
Scheme" will therefore have the  
following impact on the world's  
greenhouse effect:

$$100\% \times 2\% \times 3\% \times 1.5\% \times 5\% = 0.000045 \%$$



or about a 2.2 millionth!

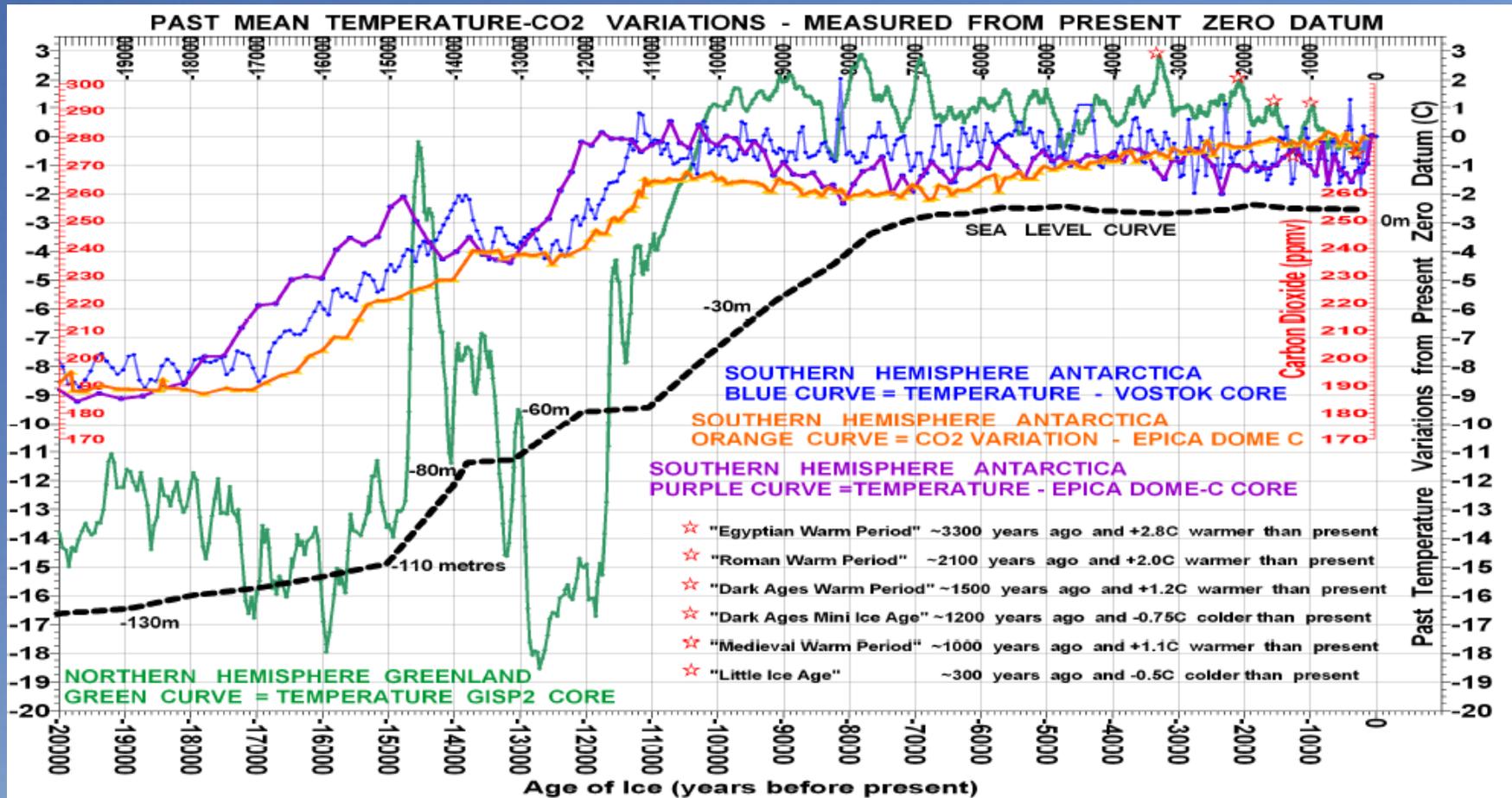
(Equal to one footstep in a walk around the equator!)



So, to justify this huge national effort for effectively nil outcome, carbon dioxide must be the real villain of 'catastrophic' Global Warming:

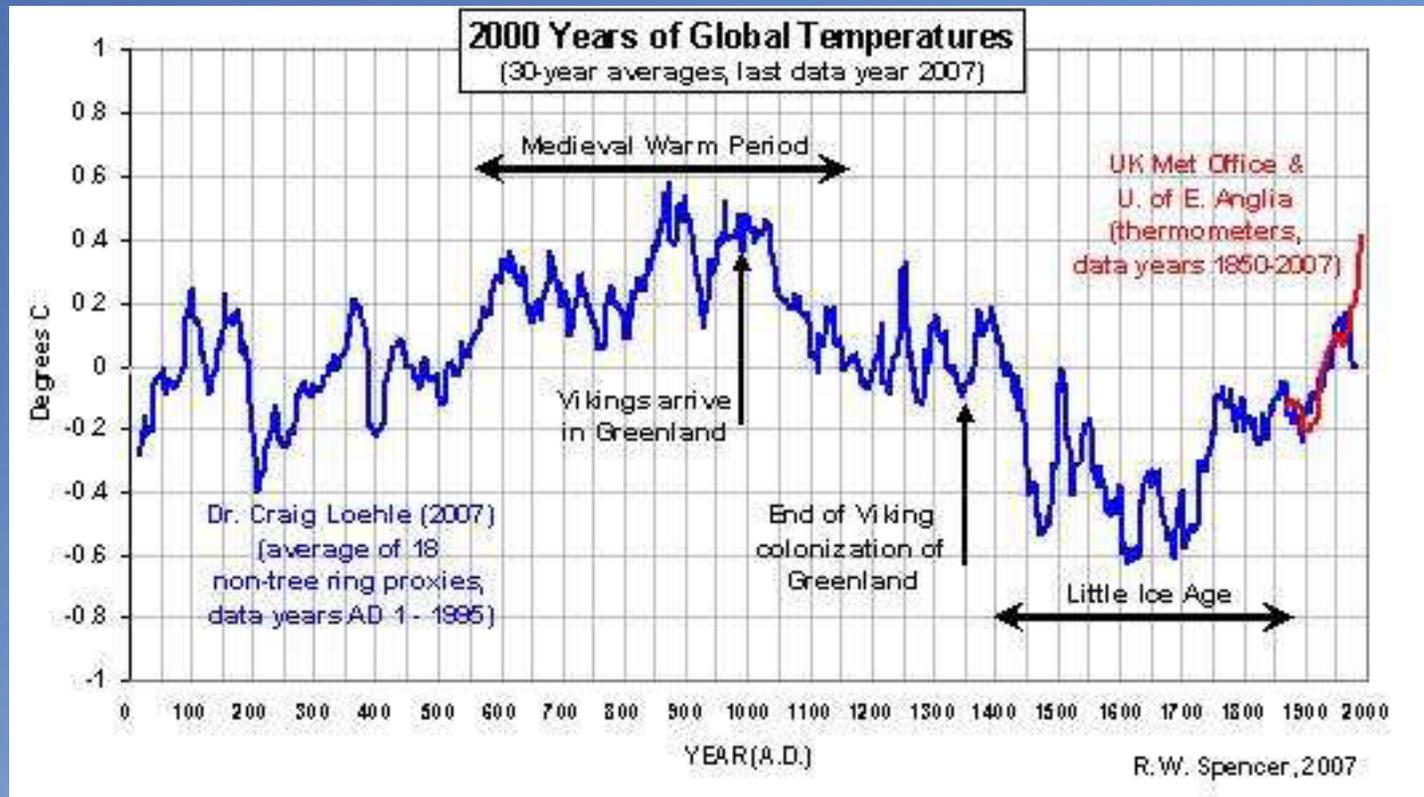
Right?

# Wrong!



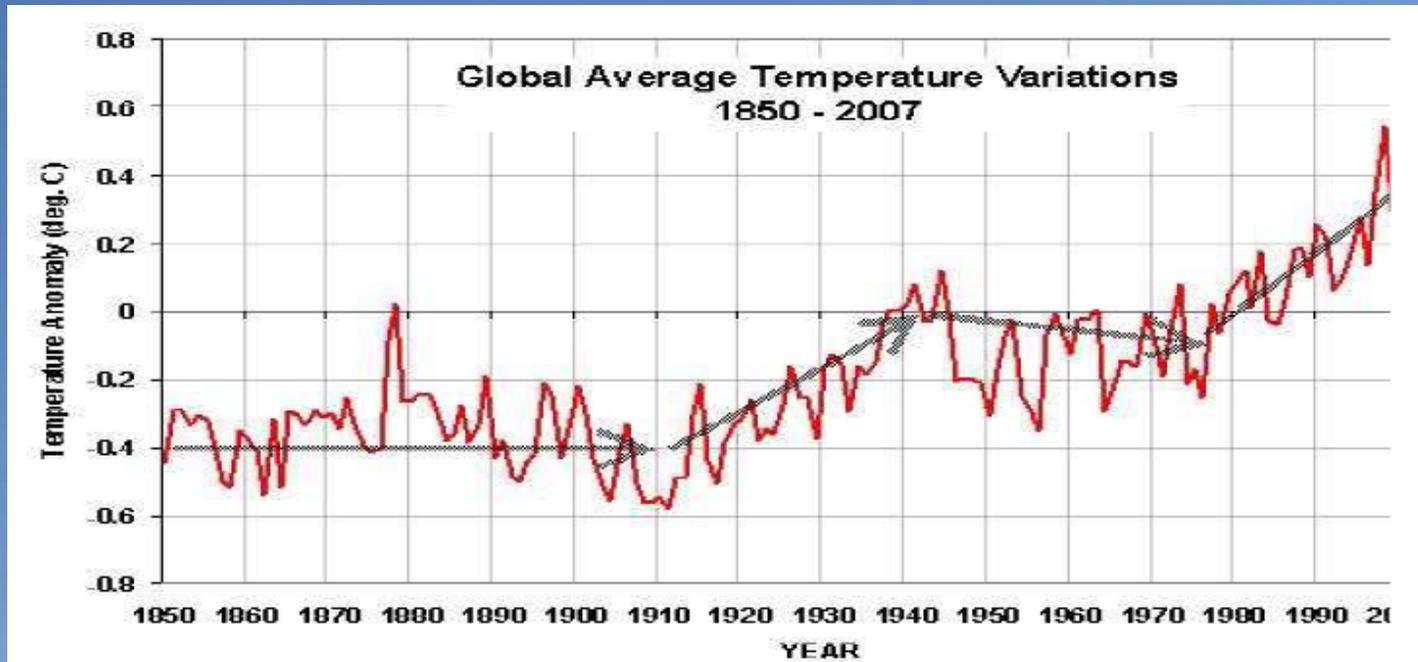
Temperatures, CO<sub>2</sub> and sea levels for the last 20,000 years

# Temperatures for the last 2,000 years

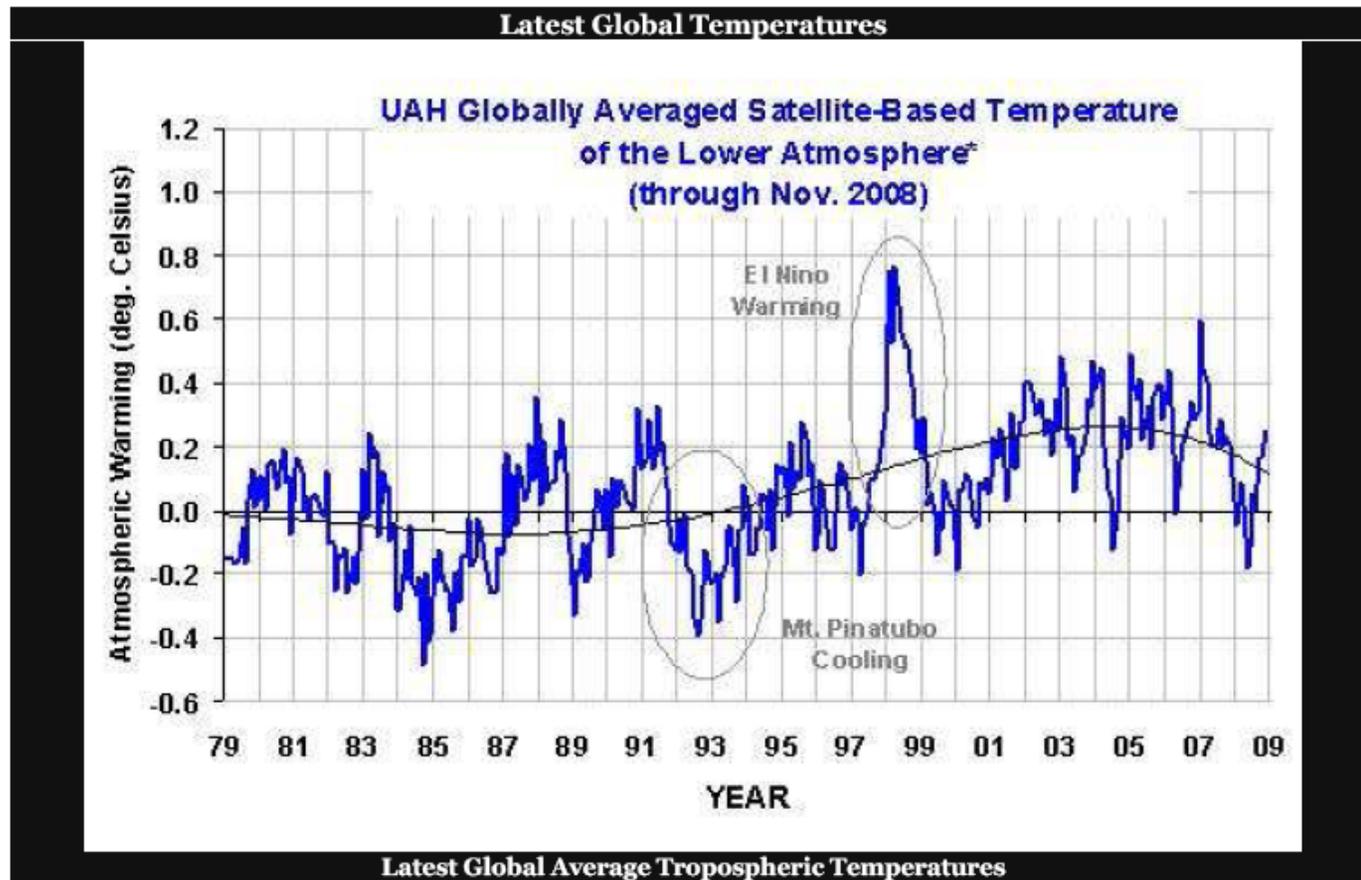


# 1850 - 2007

Globally averaged temperature variations between 1850 and 2007 show the emergence from the “Little Ice Age” in the early 1900’s, slight cooling in the 1940’s to the 1970’s, and then warming again since the 1970’s, followed by cooling since 1998.

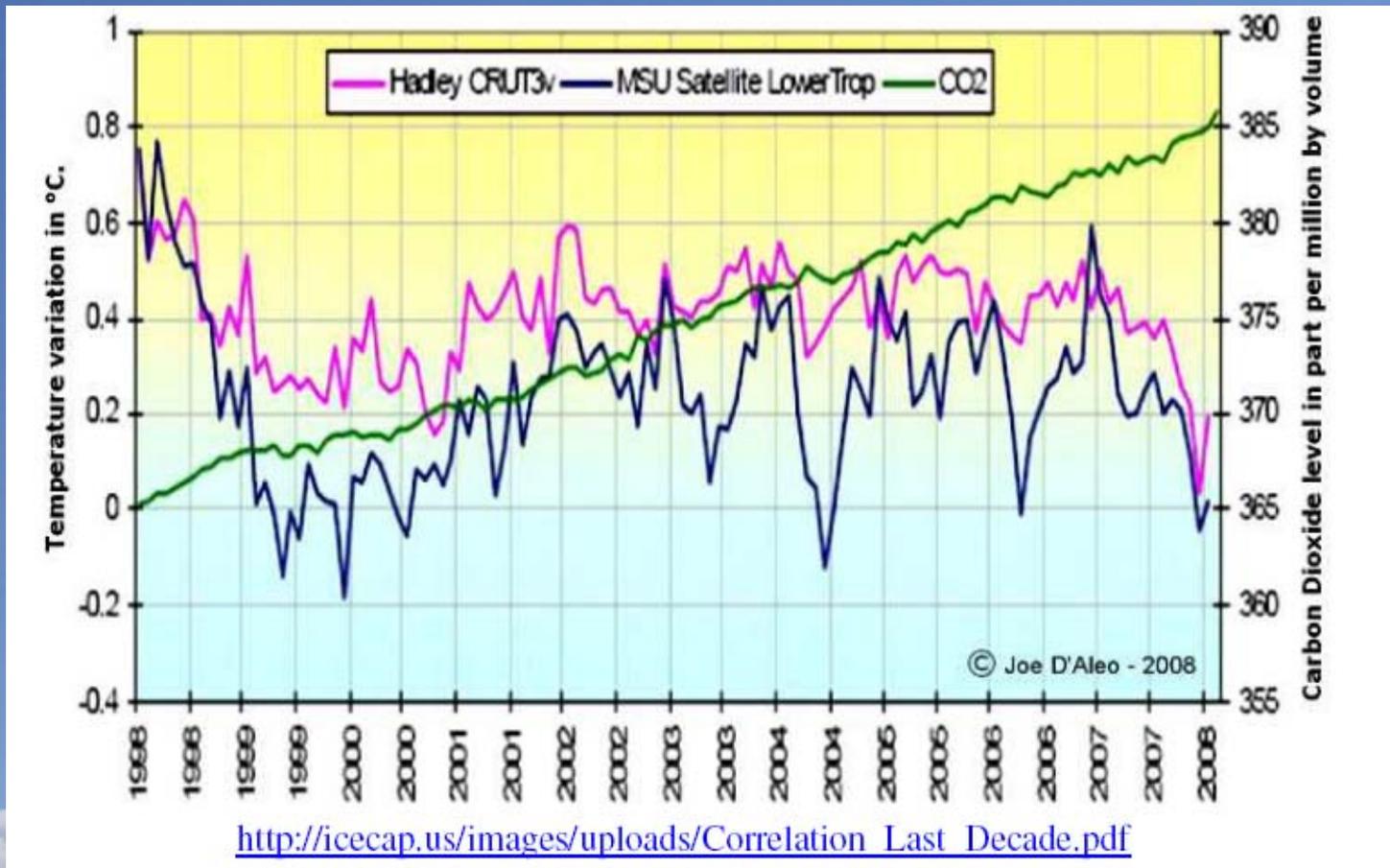


# 1979 - 2009

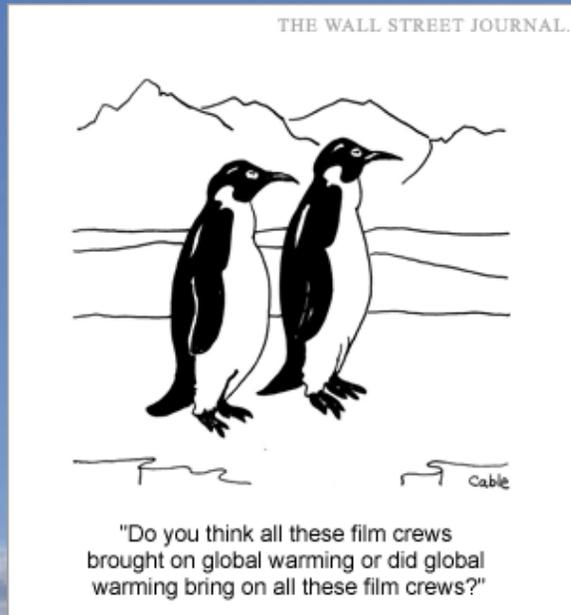


# 1998 - 2008

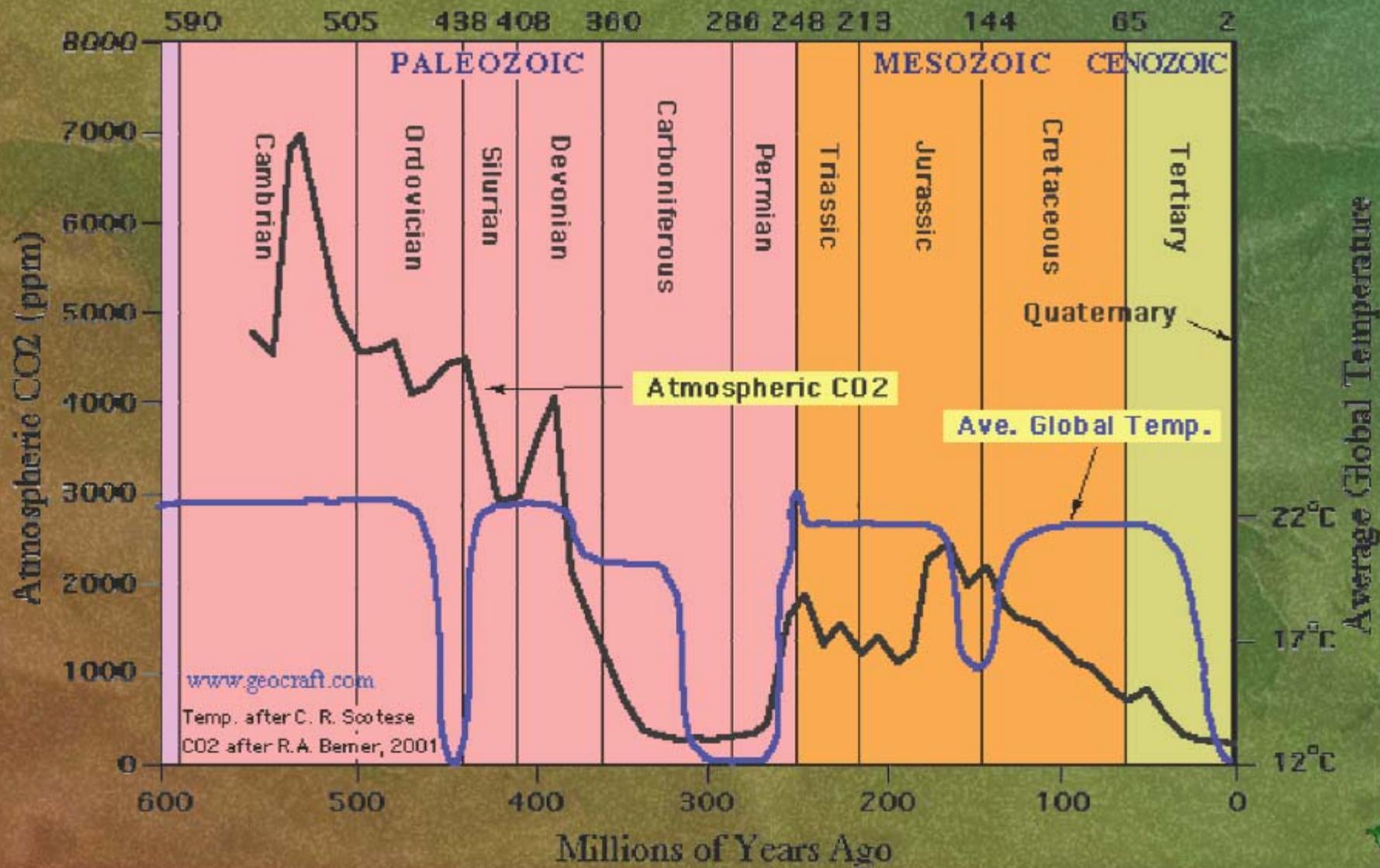
## World Temperatures Falling Whilst CO<sub>2</sub> Keeps Rising



Correlation can exist without causation,  
but causation cannot exist without correlation.



# Climate change over time



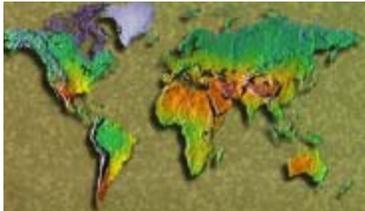
# Atmospheric Temperature and Carbon Dioxide Content over the Ages.

<i>Geological Era</i>	<i>Million Years Ago</i>	<i>Carbon Dioxide ppm</i>	<i>Av Global Temperature °C</i>
<b>Cambrian</b>	<b>550</b>	<b>6,000</b>	<b>23</b>
<b>Ordovician</b>	<b>470</b>	<b>4,200</b>	<b>23 – 12</b>
<b>Silurian</b>	<b>430</b>	<b>3,500</b>	<b>17 - 23</b>
<b>Devonian</b>	<b>380</b>	<b>2,100</b>	<b>23 – 20</b>
<b>Carboniferous</b>	<b>320</b>	<b>1,000 - 200</b>	<b>20 – 12</b>
<b>Permian</b>	<b>270</b>	<b>200 – 1,900</b>	<b>12 - 23</b>
<b>Triassic</b>	<b>230</b>	<b>1,500</b>	<b>23 – 22</b>
<b>Jurassic</b>	<b>170</b>	<b>2,000</b>	<b>22 – 16</b>
<b>Cretaceous</b>	<b>110</b>	<b>1,500</b>	<b>16 – 22</b>
<b>Tertiary</b>	<b>40</b>	<b>500</b>	<b>22 – 12</b>
<b>Present Time</b>	<b>0</b>	<b>385</b>	<b>14 - 16*</b>

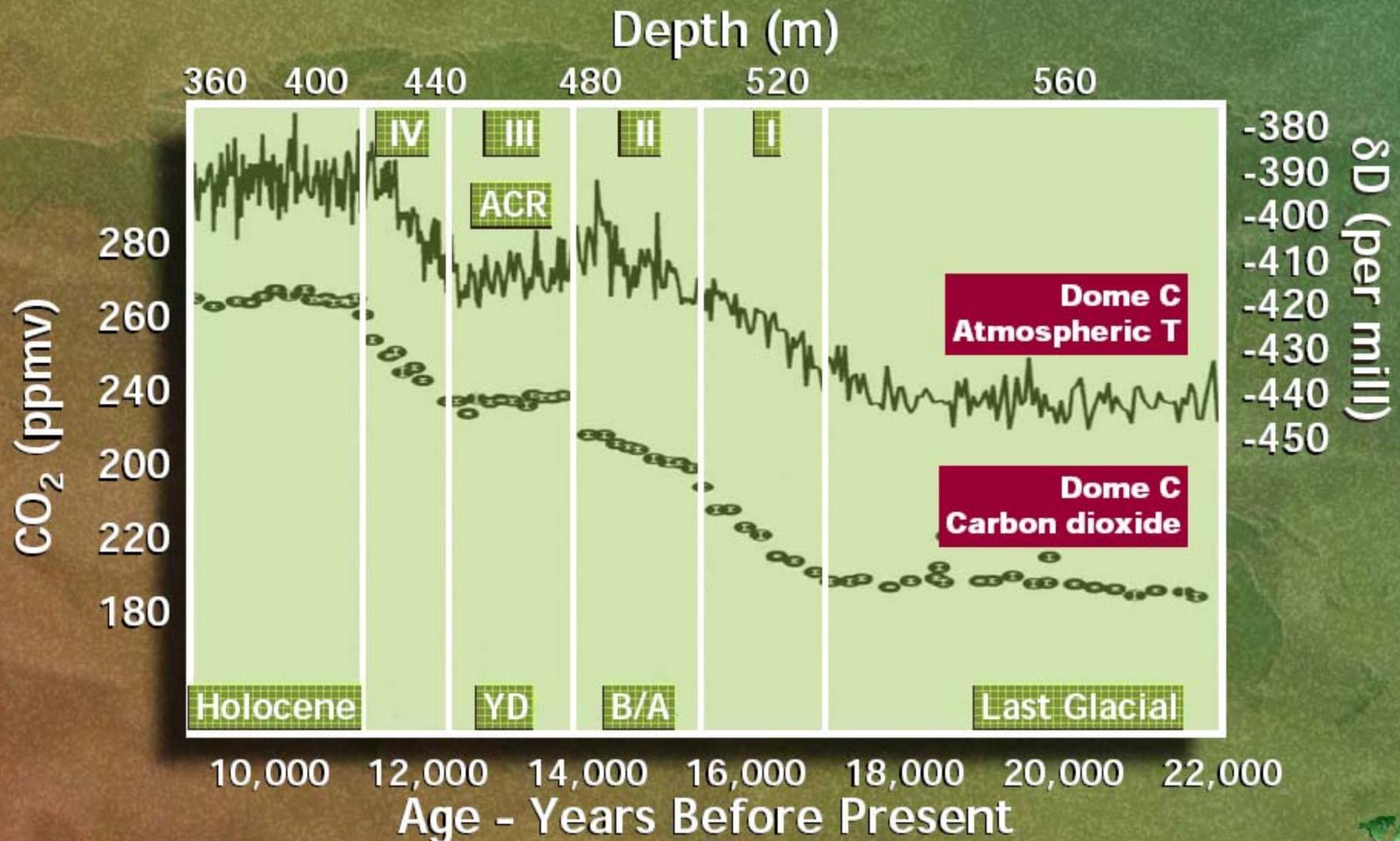
Temperature after C.R. Scotese <http://www.scotese.com/climate.htm>

CO<sub>2</sub> after R.A. Berner, 2001 (GEOCARB III) 

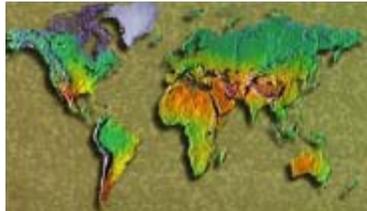
See also: [www.geocraft.com/WVFossils/Carboniferous\\_climate.html](http://www.geocraft.com/WVFossils/Carboniferous_climate.html)



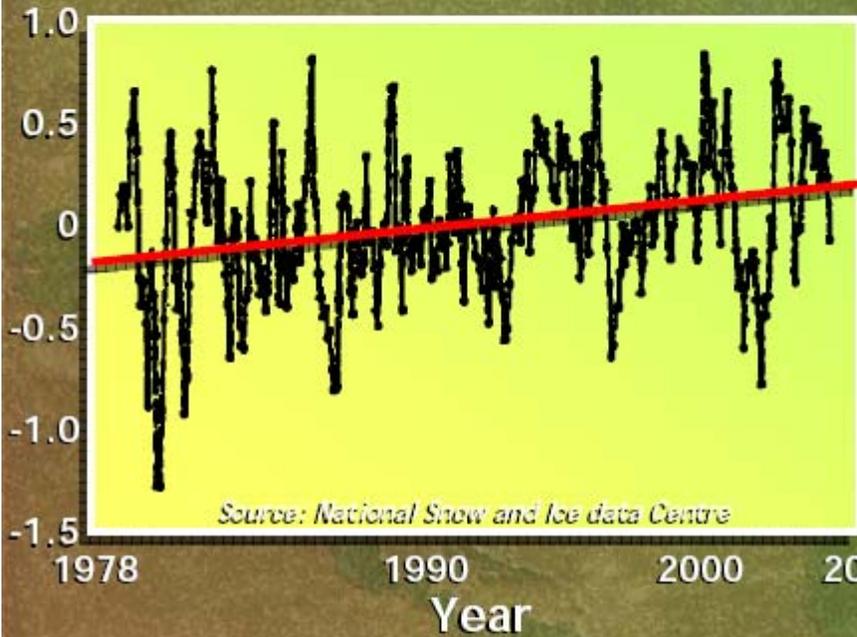
# CO<sub>2</sub> increase follows temperature increase



Source: Monnin et al., Science, Vol 291, 9 January 2001.

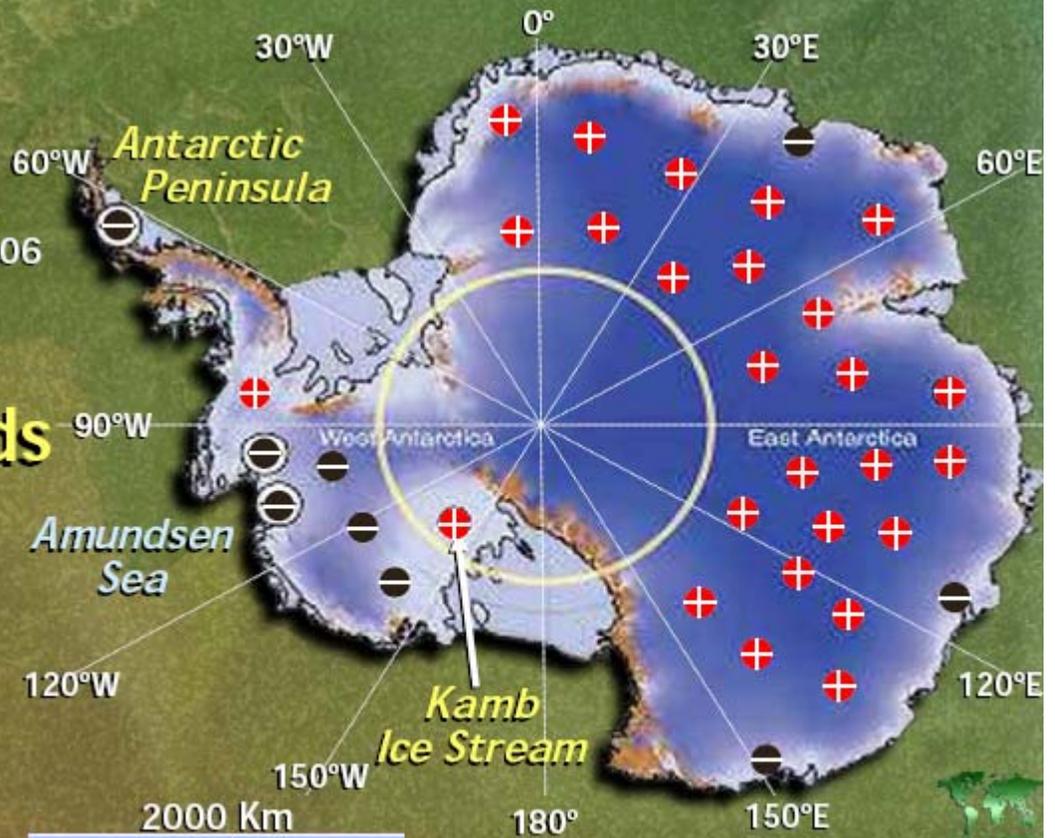


Is global warming melting the ice caps and reducing sea ice? **NO!**



Antarctic Sea Ice Trends  
.... going up!

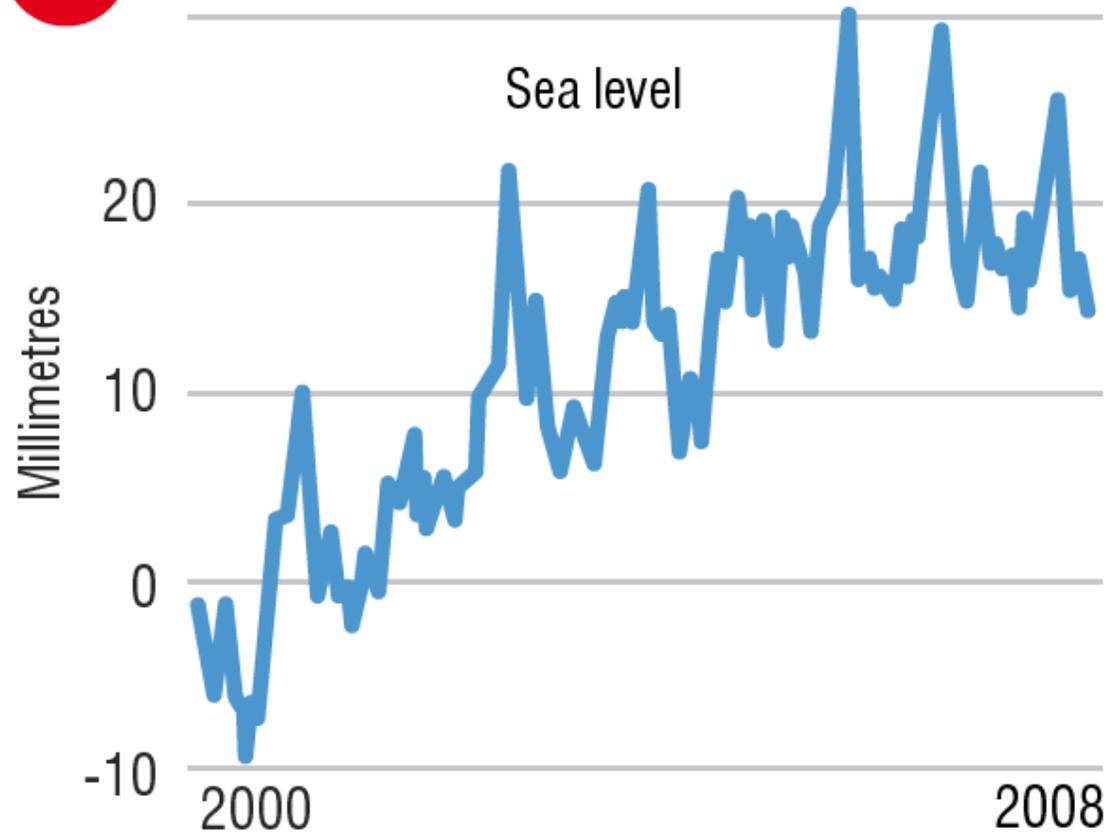
Antarctic Land Ice Trends  
.... going up over most of the continent!



Source: Vaughn, D.G., 2005. Science, 3008, 1877-1878.

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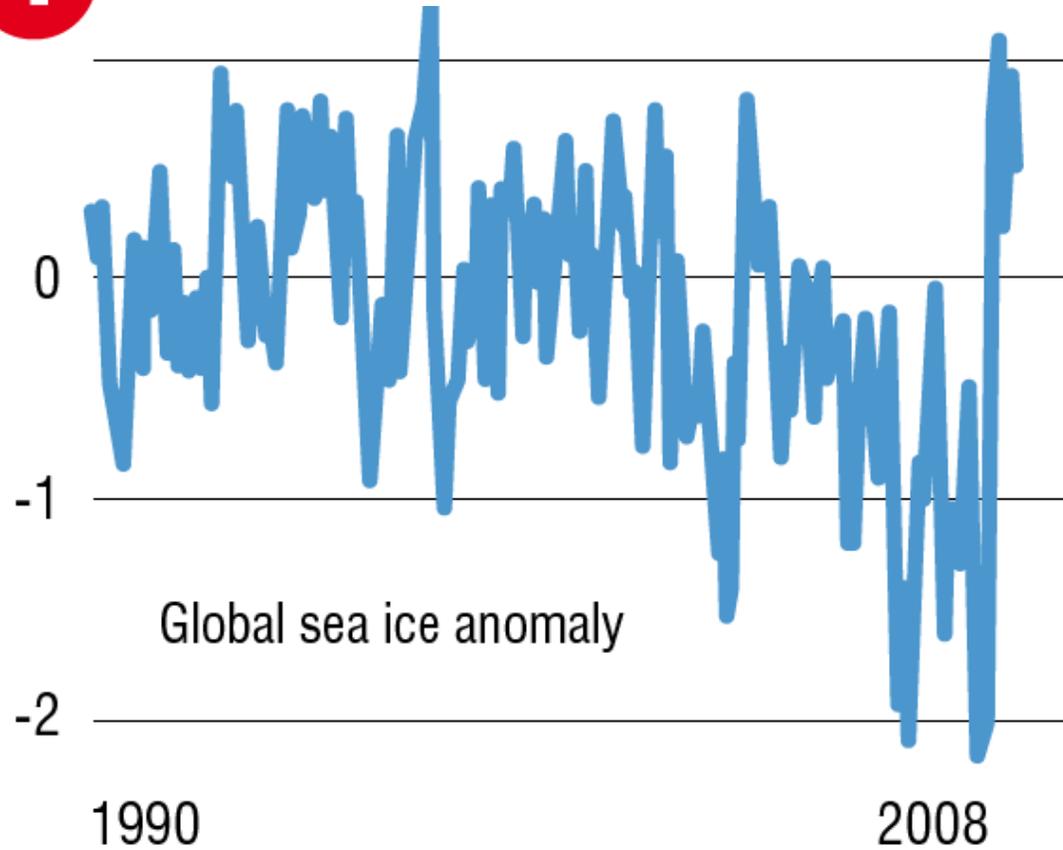
### Seas are not rising



Source: Colorado Centre for Astrodynamics Research

**4**

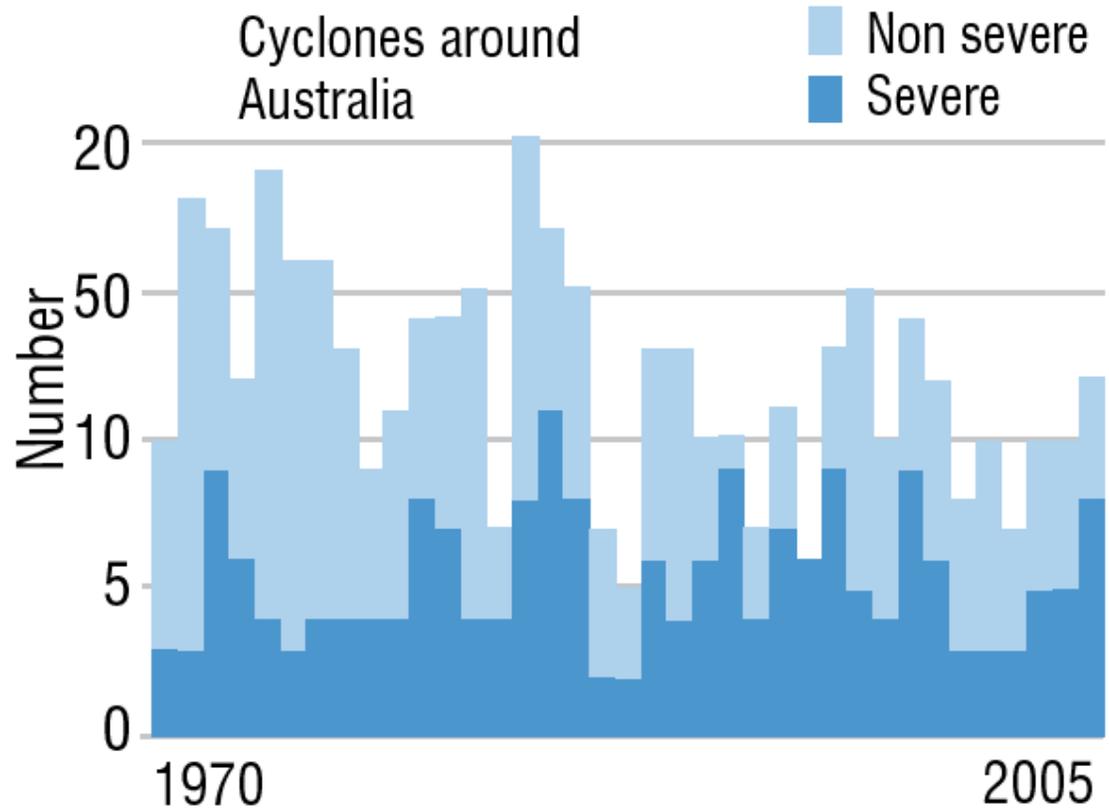
### Ice is not melting



Source: US National Oceanic and Atmospheric Administration

5

## Cyclones are not increasing



Source: Bureau of Meteorology

*Everything presented so far has been indisputable empirically observed data.*

*Global warming advocates have no choice but to agree, even if they are reluctant to be open with us all on these matters.*

*The difference comes when modelling the future: “bulldust in, bulldust out”!*



# It really began with the IPCC.

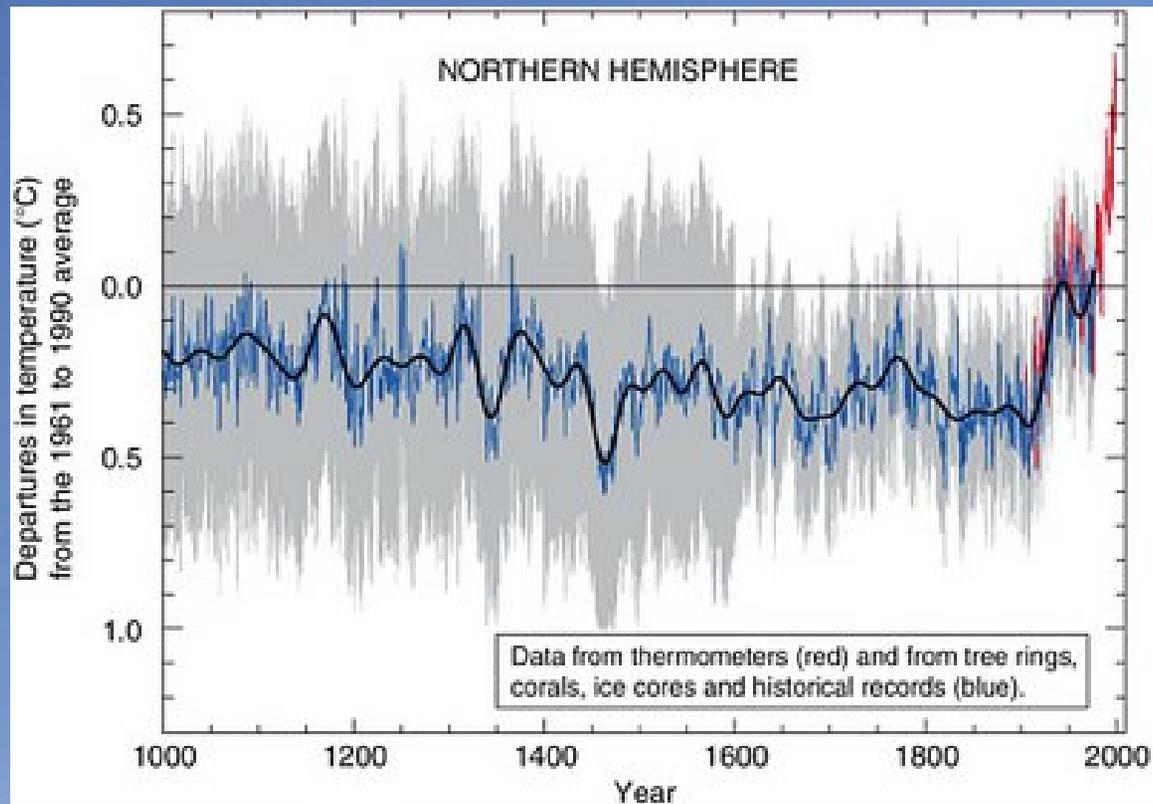
IPCC

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



- ⇒ Set up in 1988 under UN auspices
- ⇒ Does not carry out research or monitor climate
- ⇒ Assimilates available information to inform governments of the world
- ⇒ Global quasi-monopoly of official scientific advice
- ⇒ Has mutated into a politically correct alarmist pressure group
- ⇒ Notorious “hockey stick” quietly dropped from latest 2007 Report
- ⇒ Joint winner of the Nobel Peace Prize!

# “Hockey Stick”



# IPCC Projections for 2100

**Temperature – increase of  $<3^{\circ}\text{C}$**

*N.B. Current world average  $14^{\circ}\text{C}$  (Helsinki  $5^{\circ}\text{C}$ , Singapore  $27^{\circ}\text{C}$ )*

**Sea Levels – 18-59cm higher**

*N.B. Average twice-daily tide  $\sim 200\text{cm}$  (Al Gore's movie –  $700\text{cm}$ )*

**+ Diseases (e.g. malaria), floods, droughts, hurricanes, etc.**

**Of course, no benefits from warming!**

# Leading Global Warming Advocates

**Al Gore** – Joint Nobel Peace Prizewinner for “An Inconvenient Truth”

**Tim Flannery** – 2007 Australian of the Year for “The Weather Makers”

**Sir Nicholas Stern** – Author of the U.K. Government’s Stern Review

**Ross Garnaut** – Author of the Australian Government’s Garnaut Report

**Australian Politicians** - Kevin Rudd, Penny Wong, Peter Garrett, Malcolm Turnbull, Bob Brown, etc.



# Leading Australian Sceptics

## **Politicians**

Martin Ferguson, Cory Bernardi, Barnaby Joyce,  
Michael Costa, Peter Walsh, Ron Boswell

## **Scientists**

Bob Carter, Ian Plimer, Bill Kininmoth, David Evans

## **Lobbyists**

Ray Evans (Lavoisier Group)  
Viv Forbes (Carbon Sense Coalition)  
Max Rheese (Australian Climate Science Coalition)  
Leon Ashby (Climate Sceptics Party)

## **Journalists**

Andrew Bolt, Miranda Devine, Terry McCrann,  
Christopher Pearson, Piers Akerman, Alan Jones

## **Archbishops!**

Cardinal George Pell

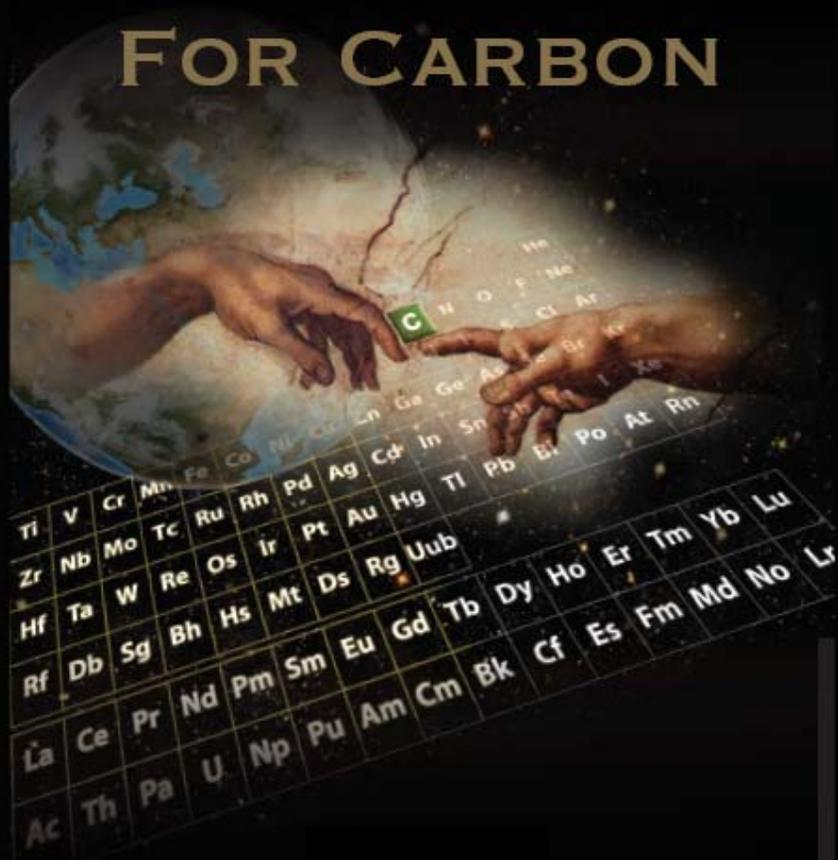
# Australia's Proposed Emissions Trading Scheme

- ⇒ Multi-billion dollar per annum carbon tax by another name
- ⇒ Creates massive distortions in our economy
- ⇒ Directly reduces international competitiveness
- ⇒ Produces grinding bureaucratic intervention to redistribute impact for political expediency

## 20% Renewable Energy Target by 2020

- ⇒ Most renewable energy is presently hydro (little scope for increase)
- ⇒ Wind and solar do not produce baseload power (therefore require ~85% baseload back-up)
- ⇒ Geothermal 'hot rocks' too isolated
- ⇒ Uranium (ruled out politically – why?)
- ⇒ Carbon Geo-Sequestration (expensive and unproven)

# THANK GOD FOR CARBON



# Acknowledgement

From the opening title to the concluding illustration, my presentation has been the hurried compilation of a “magpie patchwork plagiarist”. If it contains any errors, they are likely to be mine.

However I acknowledge and thank the many unattributed contributors, confident that they would want this message to be spread as widely as possible.

-Philip R. Wood



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