

A satellite view of Earth showing the Americas and surrounding oceans. The word "Overpopulation" is overlaid in white text across the center of the image.

# Overpopulation

By Eric R. Pianka

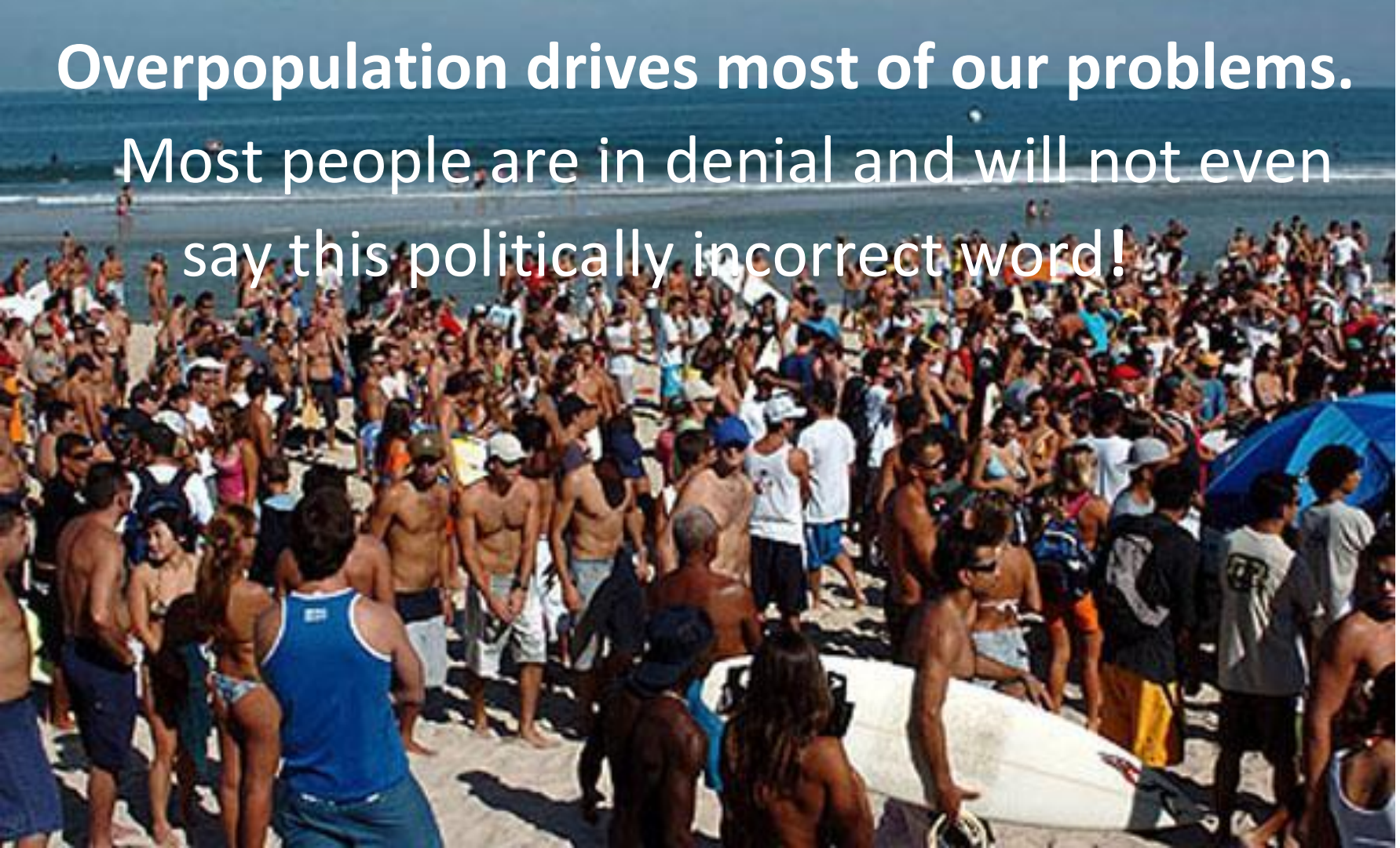
# Our Afterlives



**Future  
Generations**



**Overpopulation drives most of our problems.  
Most people are in denial and will not even  
say this politically incorrect word!**





**Ecologists Eric Pianka (left) and Laurie Vitt (right). Pianka is a Professor at the University of Texas, Austin, and Laurie Vitt is a Professor Emeritus of the University of Oklahoma, Norman.**

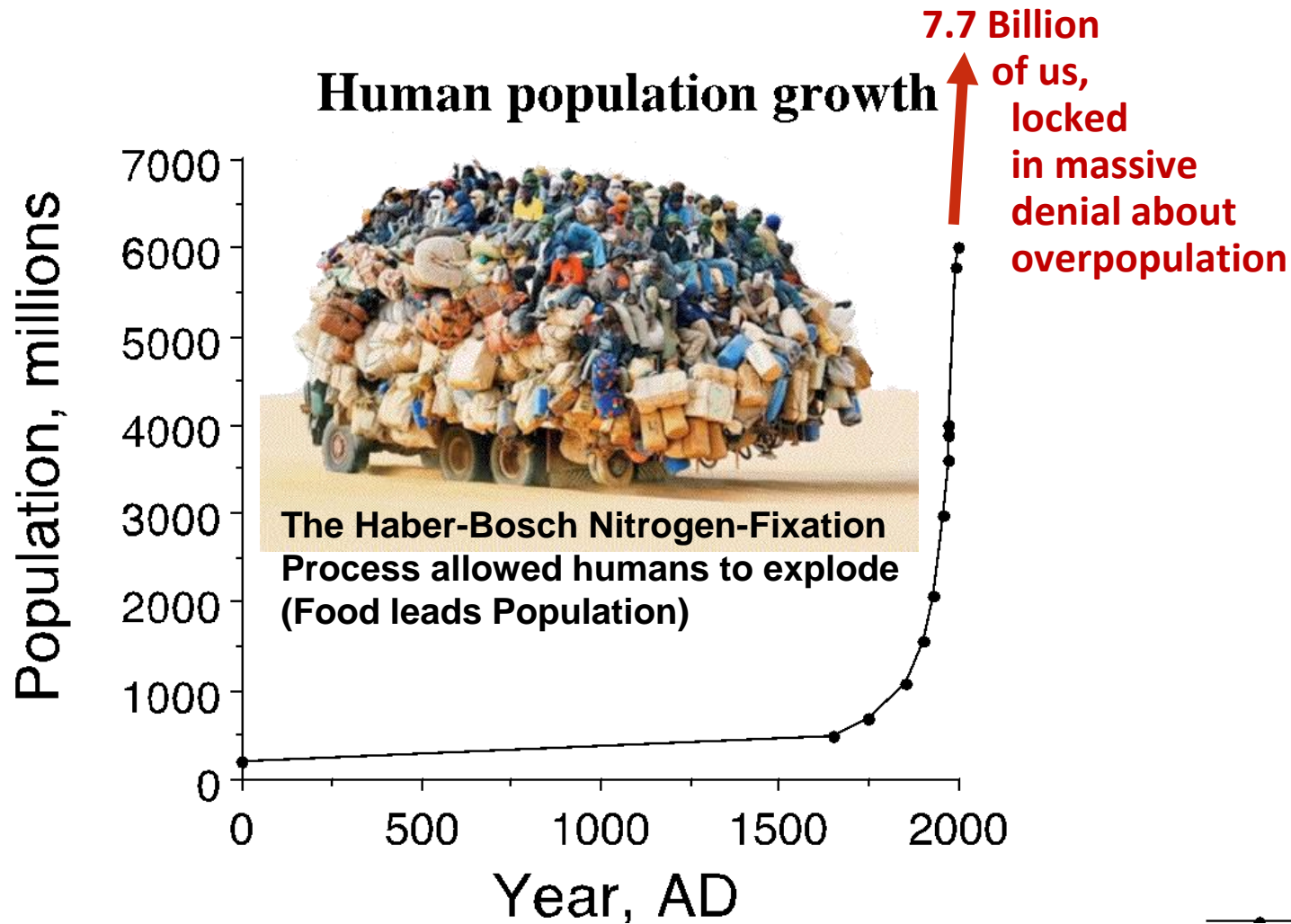
## **Our One and Only Spaceship**

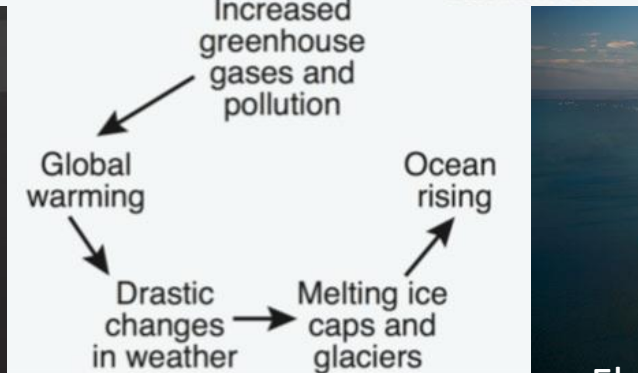
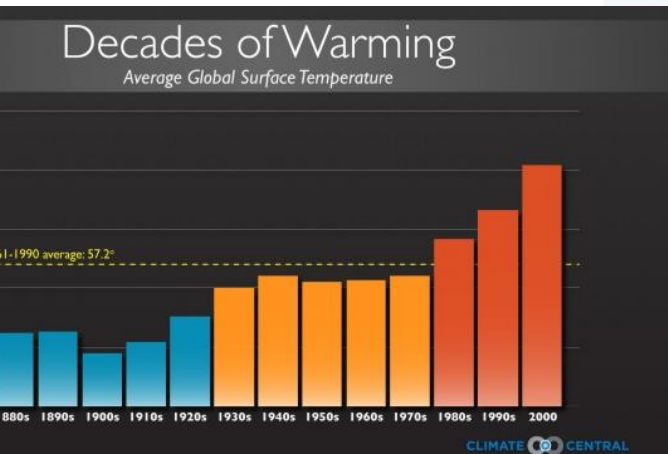
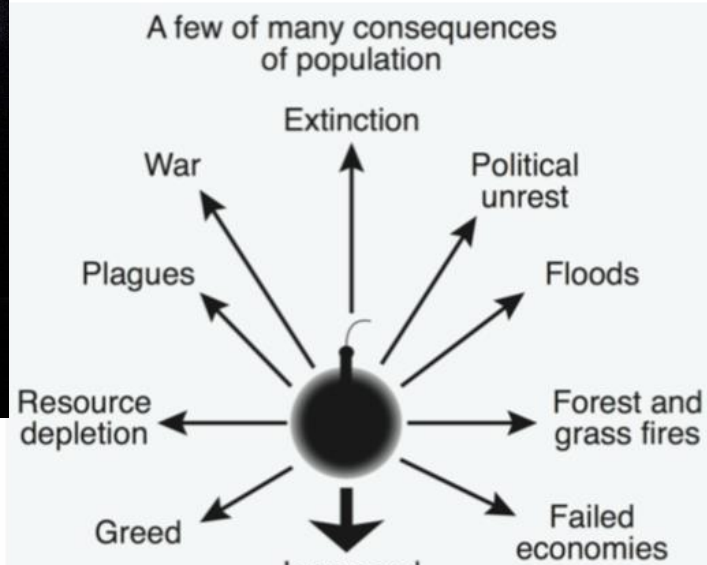
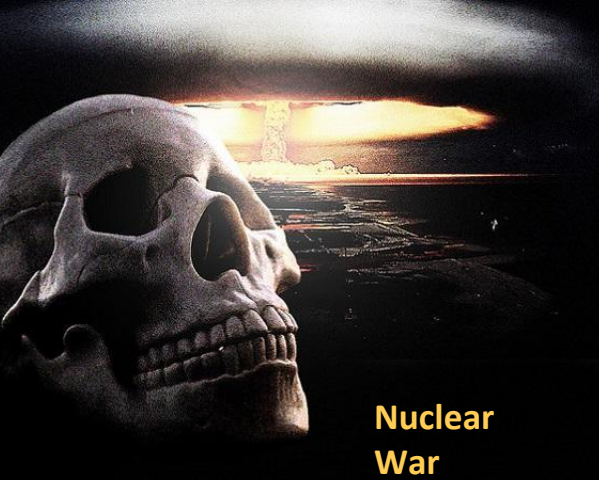
**Denial, Delusion, and the Population Crisis**



**Eric R. Pianka and Laurie J. Vitt**







**Fossil fuel is our energy slave. It's too cheap, one gallon will move a one-ton car 30-50 miles (for as measly \$2-3 dollars – just imagine having to push your car that far!)**



**Energy Slave**



**One horsepower = Energy of Ten Strong Men**

**One 500 hp Muscle Car = Energy of Five Thousand Men**

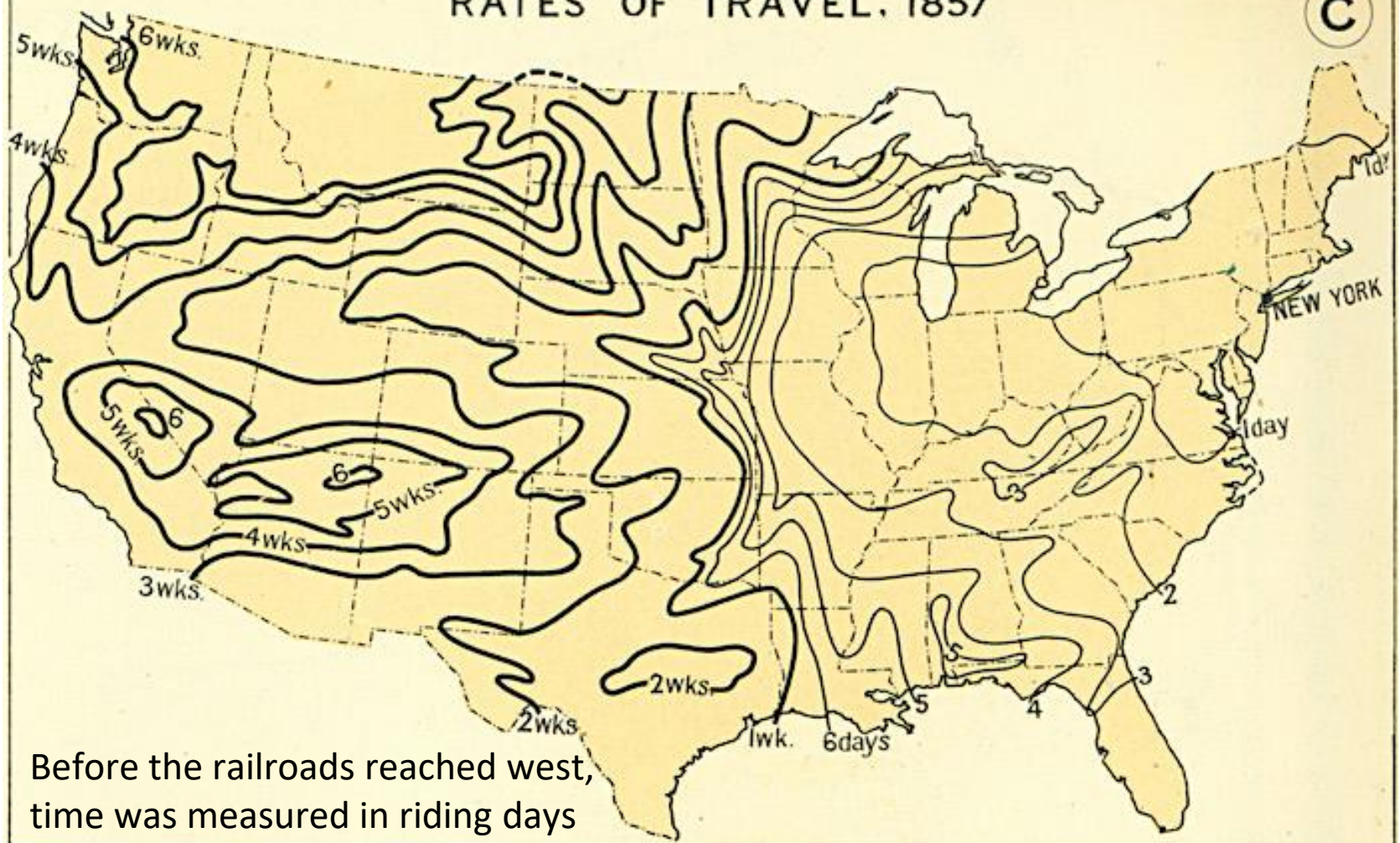
**Thousands of Muscle Cars = Energy of Millions of Men**

**We've got to get out of internal combustion vehicles!**



# RATES OF TRAVEL, 1857

C



Before the railroads reached west,  
time was measured in riding days

**Freeway outside Houston  
Energy of Millions of Men  
Spewing out carbon  
dioxide, going nowhere,  
but headed for oblivion**







**Per Capita Energy Consumption times Population = Global Warming**



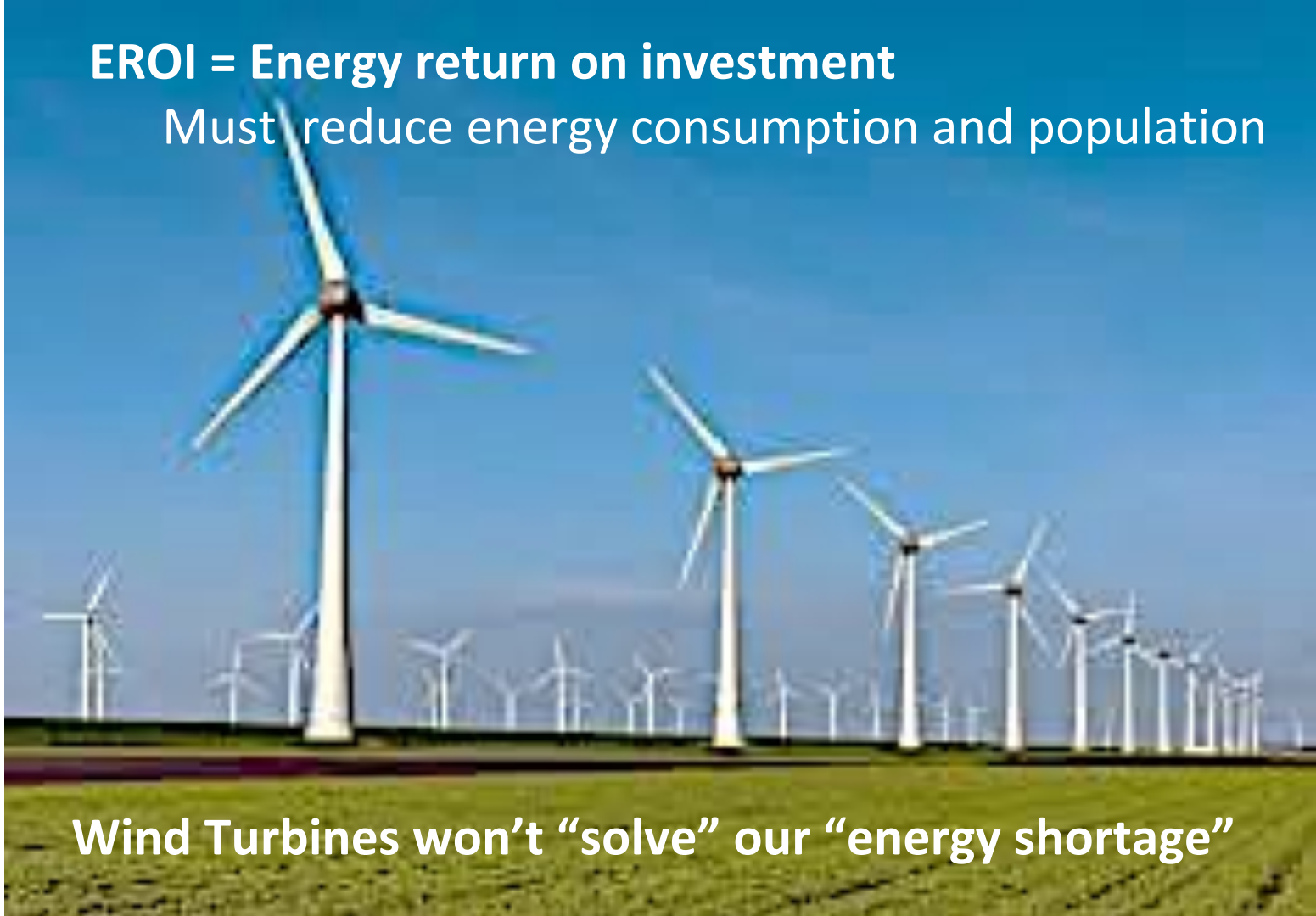
# **Solar Panels are only a Short-term “Solution”**



**We must reduce per-capita energy consumption and  
Population**

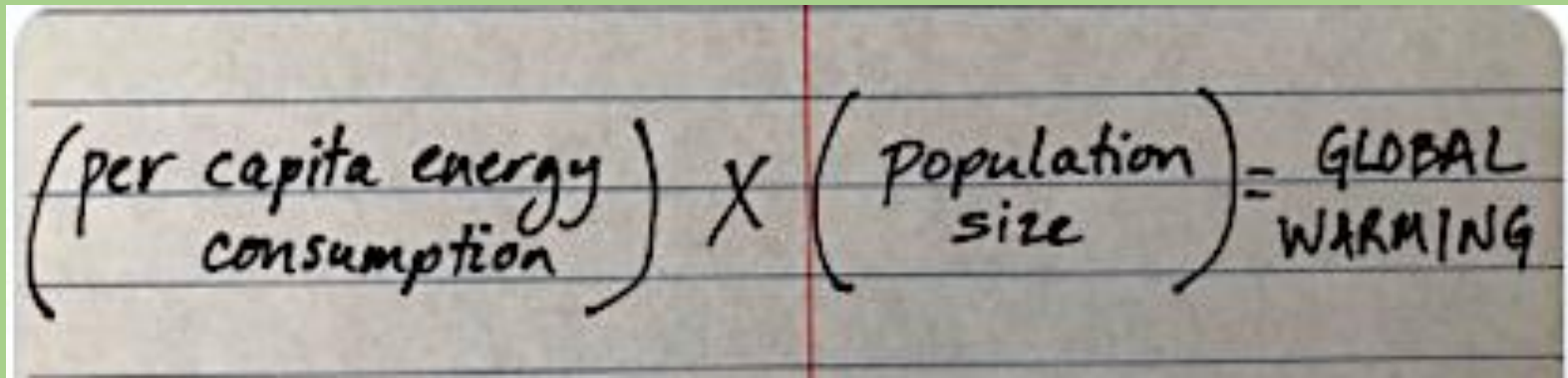
**EROI = Energy return on investment**

Must reduce energy consumption and population



**Wind Turbines won't "solve" our "energy shortage"**

The so-called “**Green New Deal**” fatally ignores overpopulation and offers only symptomatic short-term relief from global warming. It is a mere fantasy, a delusionary hopeless pipe dream. **We must reduce both per capita energy consumption and population growth!**


$$\left( \begin{array}{l} \text{per capita energy} \\ \text{consumption} \end{array} \right) \times \left( \begin{array}{l} \text{population} \\ \text{size} \end{array} \right) = \text{GLOBAL WARMING}$$

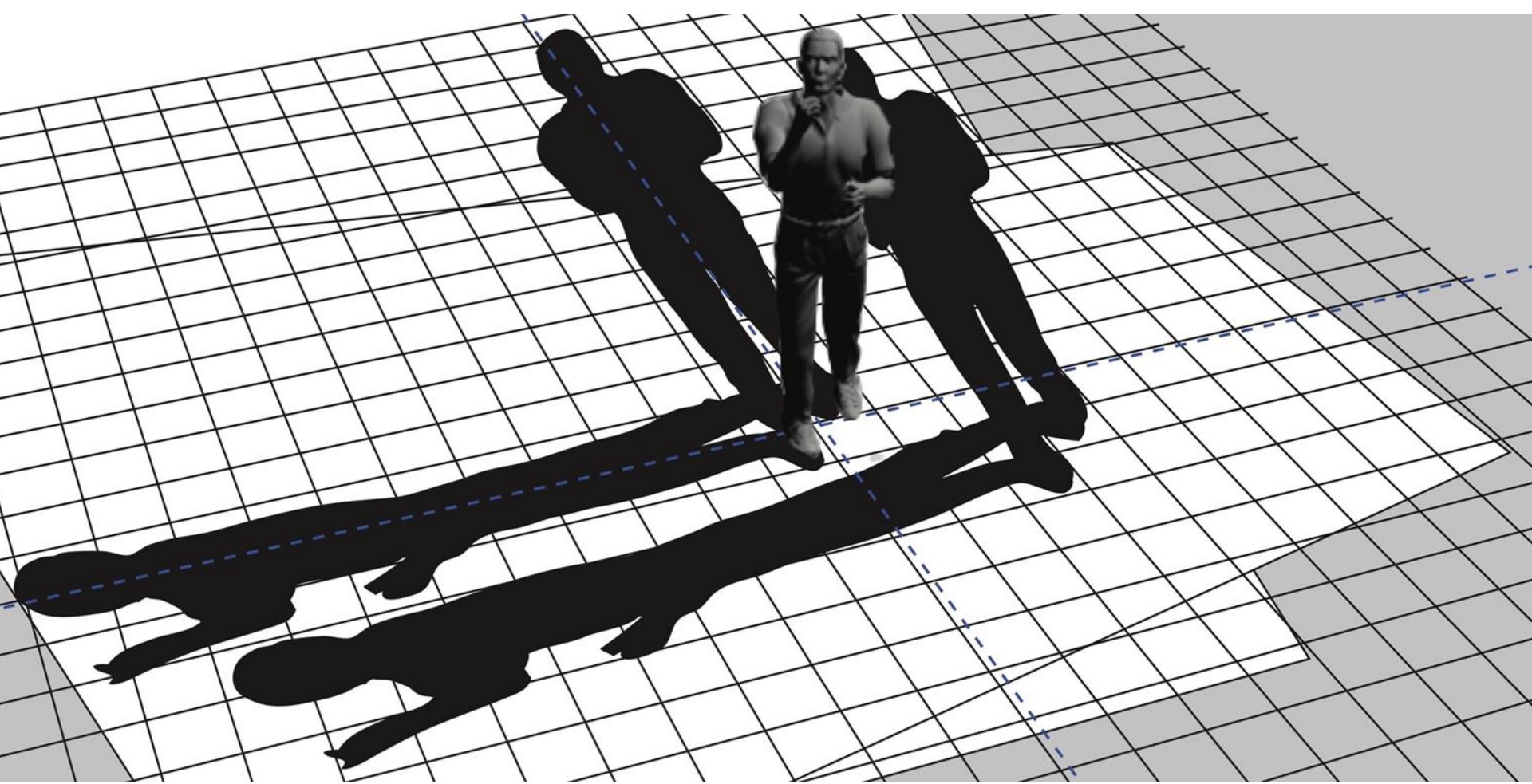


Man did not have forever to harness the forces of the sun and stars. The Sun was an elderly light, long past the turbulent heat of youth, and would some day join the senile class of once-luminiferous bodies. In some incredibly remote time a chance collision might blow it up again into incandescent gas and start a new local cosmic cycle, but of man there would be no trace. In Balfours's terms, he “will go down into the pit, and all his thoughts will perish. The uneasy consciousness, which in this obscure corner has for a brief space broken the contented silence of the universe, will be at rest. *Matter will know itself no longer.* ‘Imperishable monuments’ and ‘immortal deeds,’ death itself, and love stronger than death, will be as though they had never been. Nor will anything that IS be better or be worse for all that labour, genius, devotion and suffering of man have striven through countless generations to effect.”



Bishop Museum, Honolulu, Hawaii

**effect.” Homer Smith, 1951. Man and His Gods. Earl of Balfour, 1895. Foundations of Belief.**

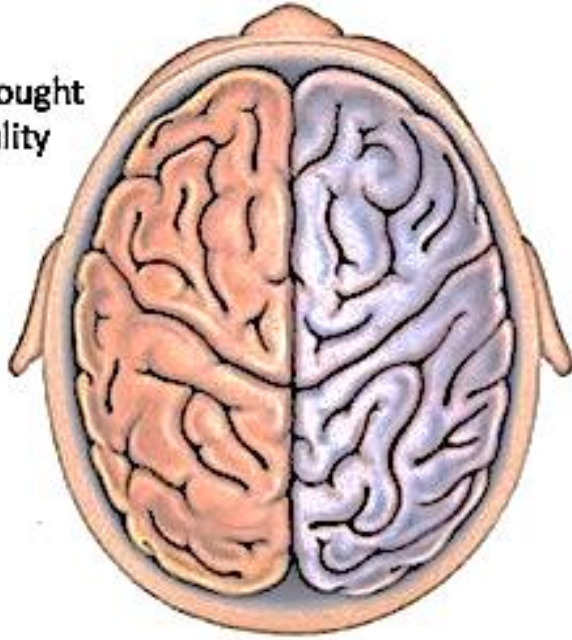


**The future is coming up on us very fast.**



## Left Brain

Rational Analytic Thought  
Common Sense, Reality  
Language  
Logic  
Mathematics  
Science  
Broca's Area



Natural Selection is  
Our Puppet Master

## Right Brain

Mysticism, Supernatural  
Subconscious Mind  
Music, Art  
Emotions, Intuition  
Self Deceit  
Instincts

Fear (of Snakes)  
Greed  
Revenge  
Anxiety  
Tribal Loyalty  
Spirituality  
Sex, Urge to Procreate  
Ability to go into Denial



Music  
Emotion  
S

## Denial



## Fear

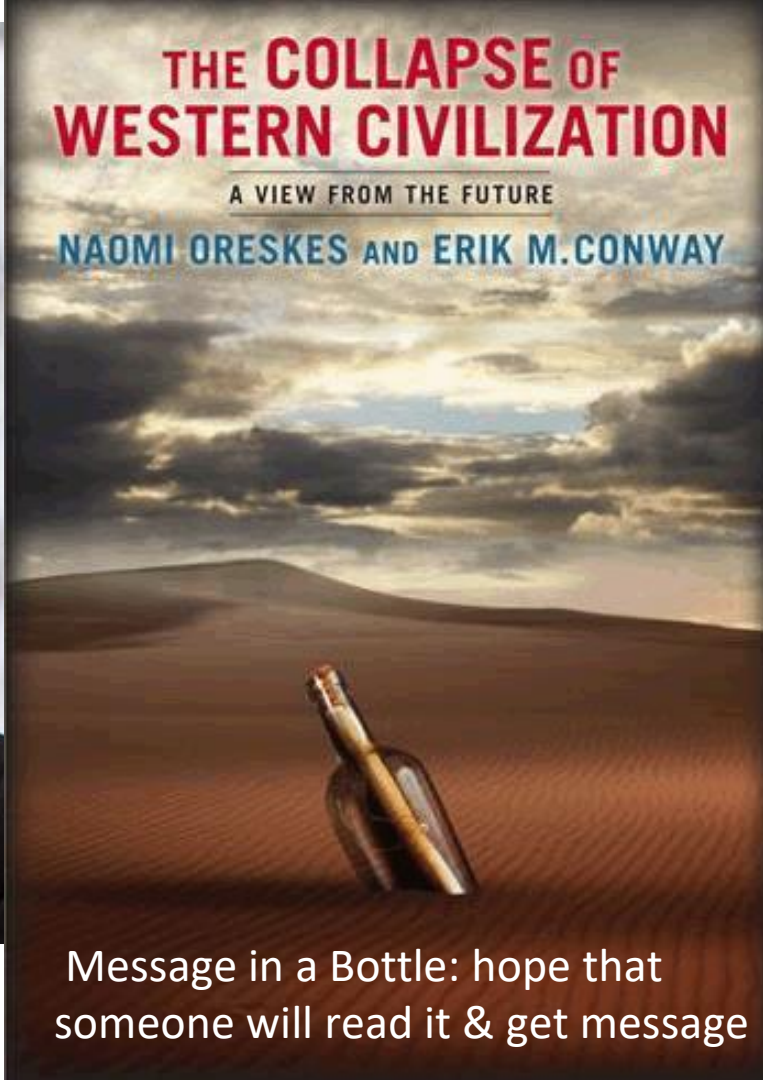


Take an Aspirin  
and call in the  
morning



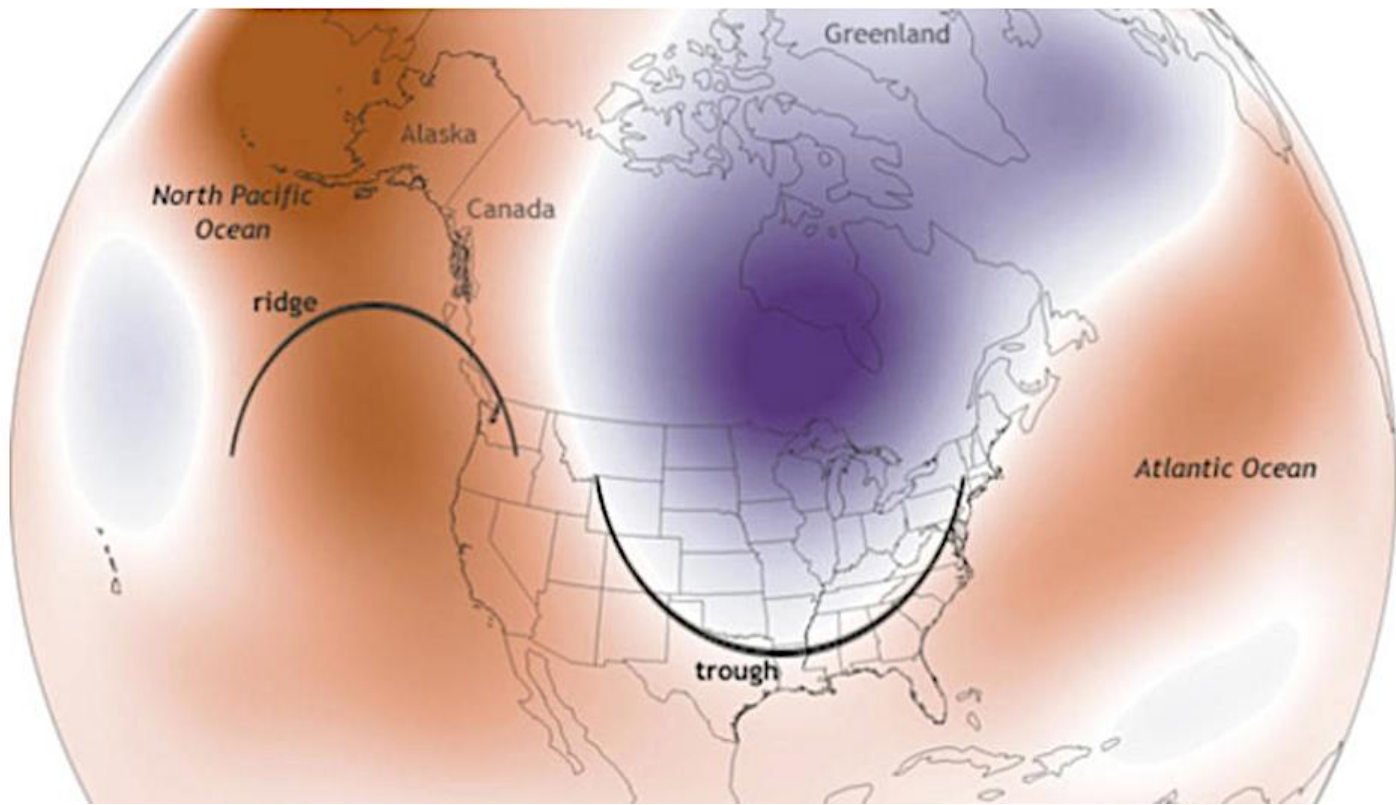


Oreskes



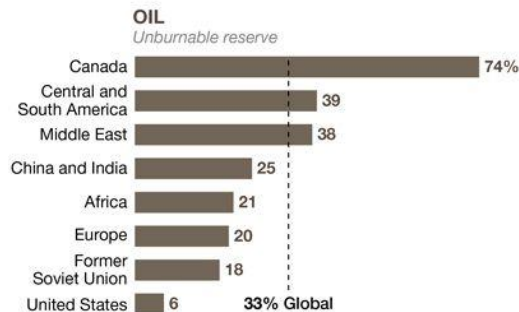
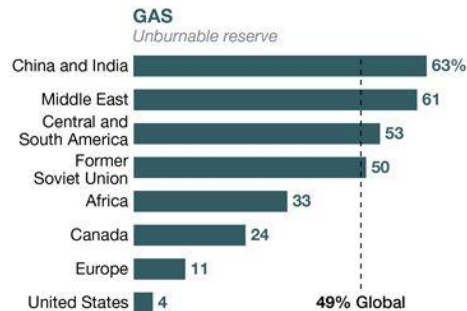
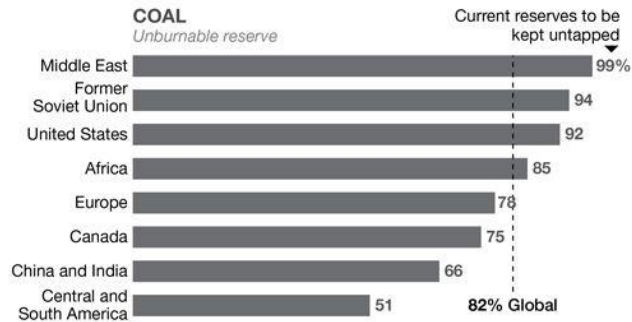
Message in a Bottle: hope that someone will read it & get message





**Wobbling Polar Jet Stream: Ridges and Troughs**

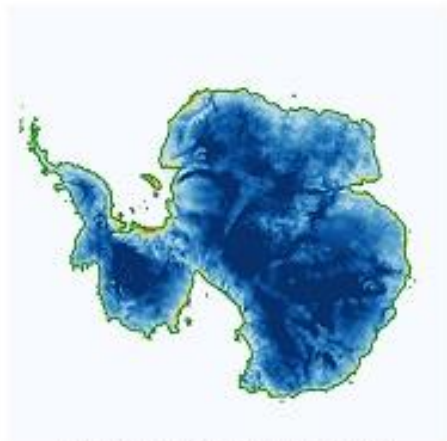
## Fossil fuels off-limits



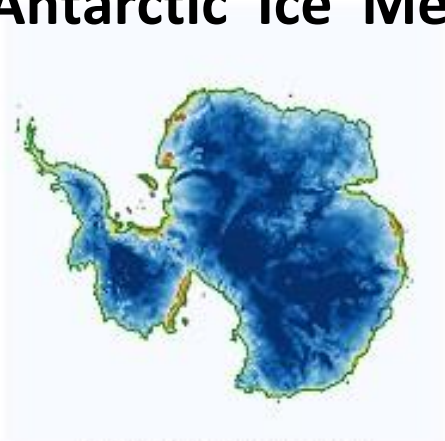
# Unburnable Fossil Fuels (National Geographic) Paris Agreement: Stay under 2°C



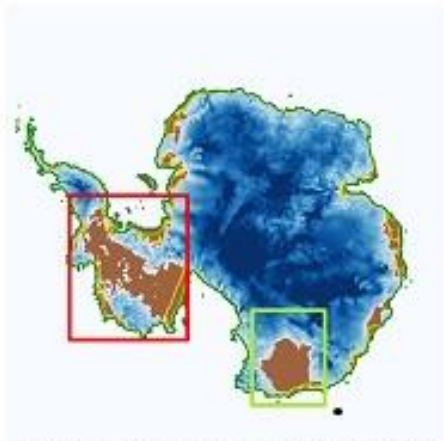
# Antarctic Ice Melt



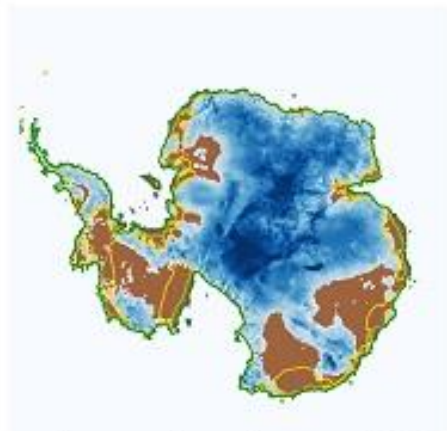
"No further emissions" 0 GtC



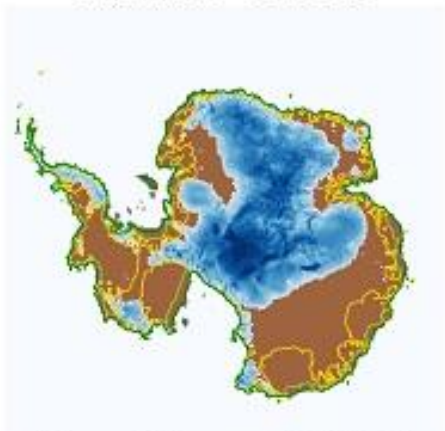
"Leave 95% underground, stay under 2 °C" 500 GtC



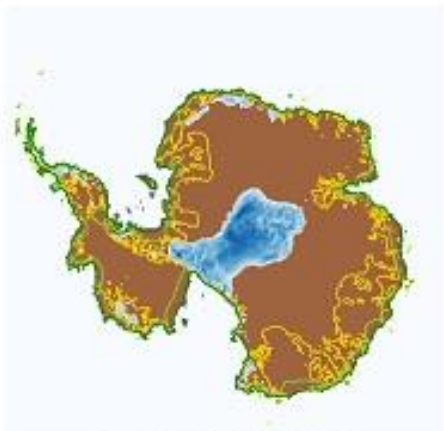
"Leave 90% underground" 1000 GtC



"Leave three-quarters underground" 2500 GtC



"Leave half in ground" 5000 GtC



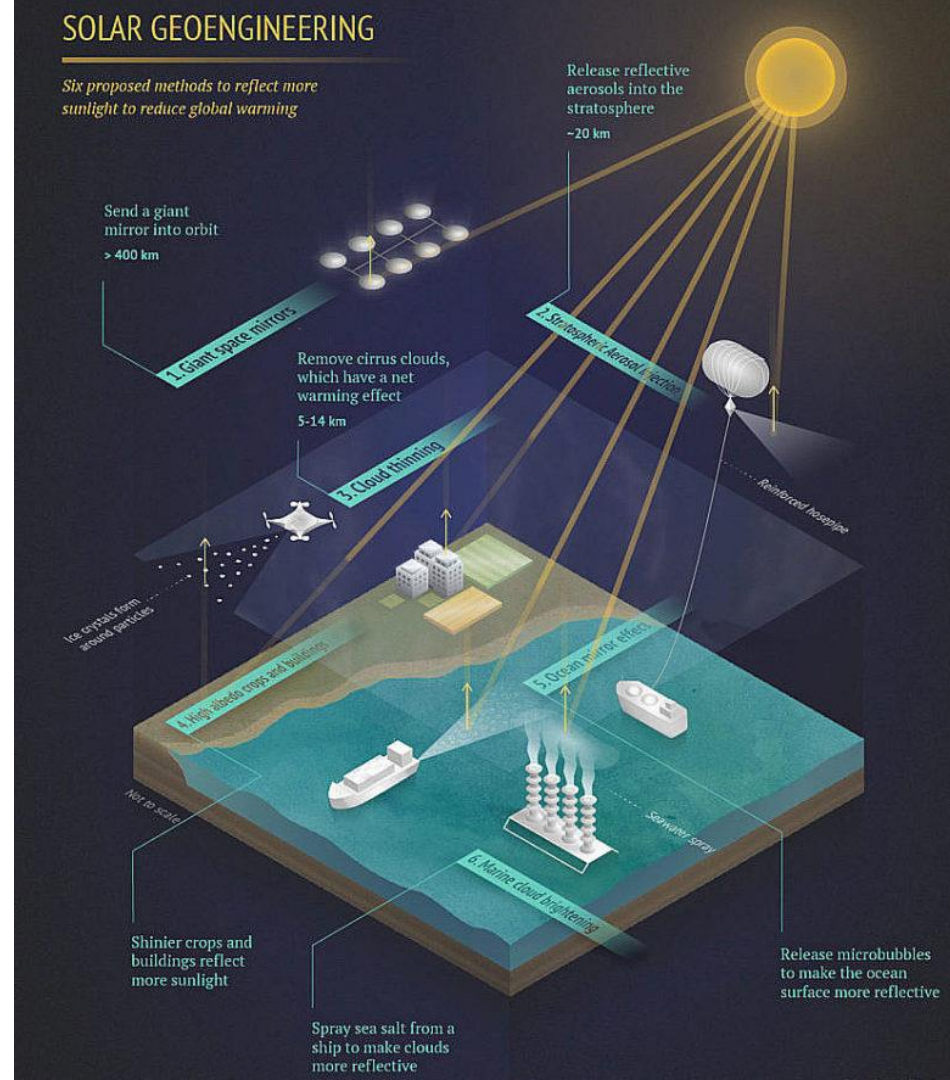
"Burn it all" 10,000 GtC



# GeoEngineering will lead to climate wars

1. Release reflective aerosols into Stratosphere ~20 km
2. Put a giant space mirror into orbit >400km
2. Cloud thinning --remove cirrus clouds 5-14 km
4. High albedo crops and buildings
5. Ocean reflection effects
6. Marine cloud brightening

**All offer only short-term relief**



## **What you can do personally about climate change and global warming:**

Do not drive, walk, use public transport, or ride a bicycle

If you must drive, get out of Hummers, pickup trucks, and SUVs

Shorten trips, drive as infrequently as possible.

Lobby politicians and government to reduce CO<sub>2</sub> and methane emissions

and get the USA back into the Paris global climate change agreement

Oppose Coal Mining and Oil Pipelines

Do Not Vote for deluded Politicians who 'think' climate change is a "hoax"

Vote for Politicians who do THINK and CARE about environment

Support green renewable energy wherever possible (only works in the short-term)





**It is perilous to continue to ignore overpopulation, the cause of almost all of our many problems. Because people are in denial, they ignore the underlying cause, and merely try to treat its many symptoms over the short term. We must face reality and take better care of our one and only spaceship!**