



**Australian Government**


**Chief Scientist**

# Communicating beyond confusion

**DR ALAN FINKEL – AUSTRALIA'S CHIEF SCIENTIST**

# Warmist chief scientist


no such thing just money grabbing from tax payers 🙄

 Ban weather Geoengineering And The Use Of Haarp Type technology That Is Used Against Us Under The fraudulent Agenda Of fraudulent Climate Change




  
[@ScienceChiefAu](#) American Scientists are overly pushing Global Warming propaganda - once Obama is gone ; so will GW.



 How about spending some time researching the harmful effects of Geo-engineering in Australia and flawed and manipulated science regarding the warming of the planet..



  
[@9NewsAUS](#) Climate change or global warming which is it? The dams will never be full except they are. Going on for millions of years.



1



“I would like 2016 to be the year when people remembered that science is a method of investigation, and not a belief system.”



“Changes in the carbon dioxide level are a result of changes in temperature, not a cause.”



“There is no empirical evidence anywhere in the world that our production of carbon dioxide affects global climate in any way at all.”

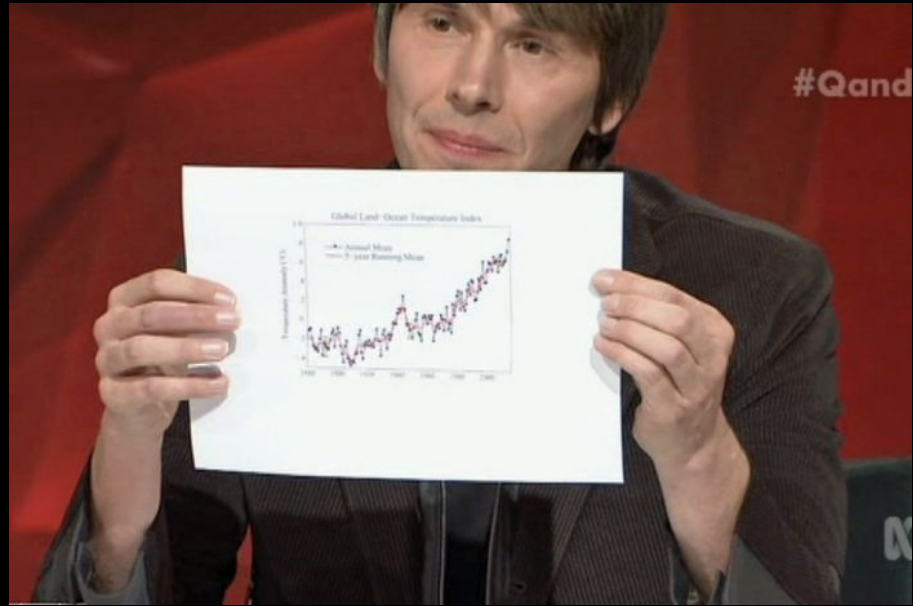


“We do not, and cannot, affect the level of carbon dioxide in air.”



“Climate change is a scam... The data has been corrupted... by NASA. The Bureau of Meteorology is exactly the same... The people who will benefit enormously from the climate scam are the major international banks.”





**BRIAN COX:**

The accusation that NASA, all the Australian, the Met Office in the UK, everybody is collaborating to manipulate global temperature data is quite a...

**MALCOLM ROBERTS:**

Are you using me as saying they're collaborating?

**BRIAN COX:**

What, they've all manipulated in the same way and accidentally got to the same answer, is that what you're saying?



Don't repeat the fallacy.

Respond to disrespect with respect.

Respond to illogic with logic.

Assume zero knowledge; assume infinite intelligence.

**Three steps to bridge the gap:**

**1: the evidence**

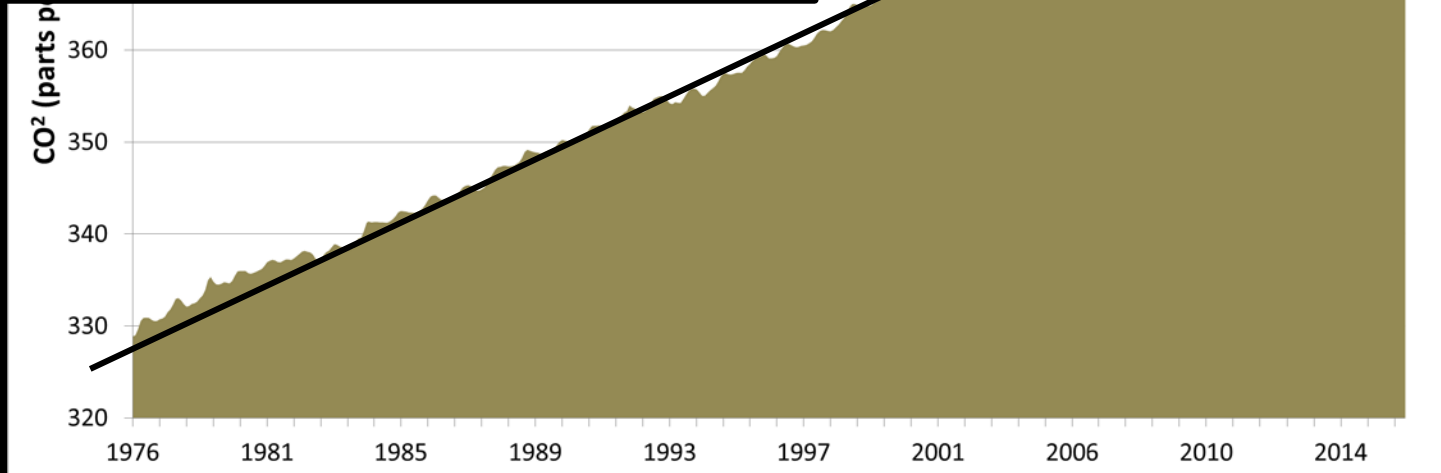
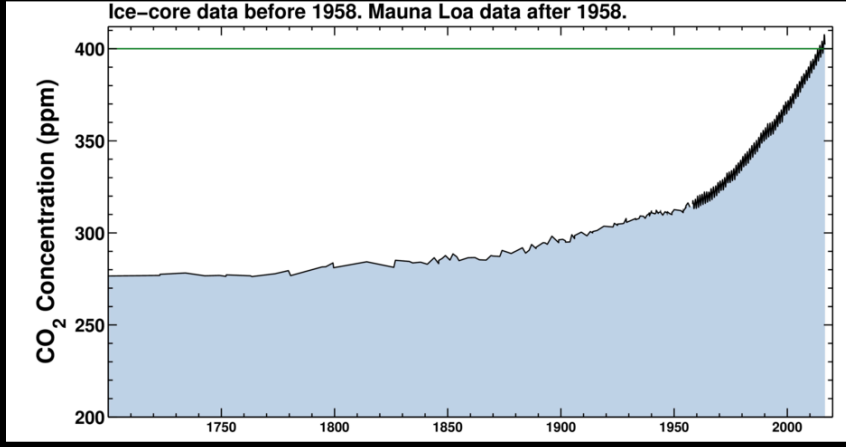
**2: theoretical underpinnings**

**1+2 = 3: compelling science**



1

# CO<sub>2</sub> samples collected at Cape Grim, Tasmania



2

1896

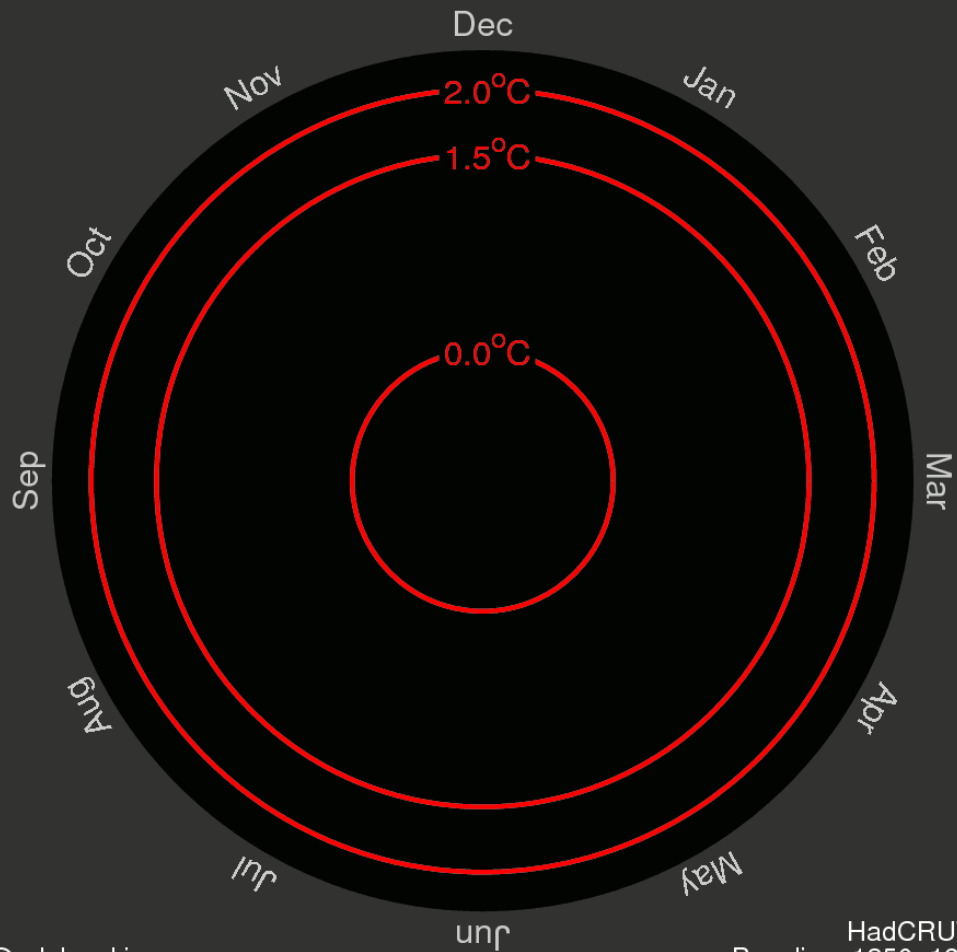
Svante Arrhenius

*'On the Influence of  
Carbonic Acid in the Air  
upon the Temperature of the  
Ground'*



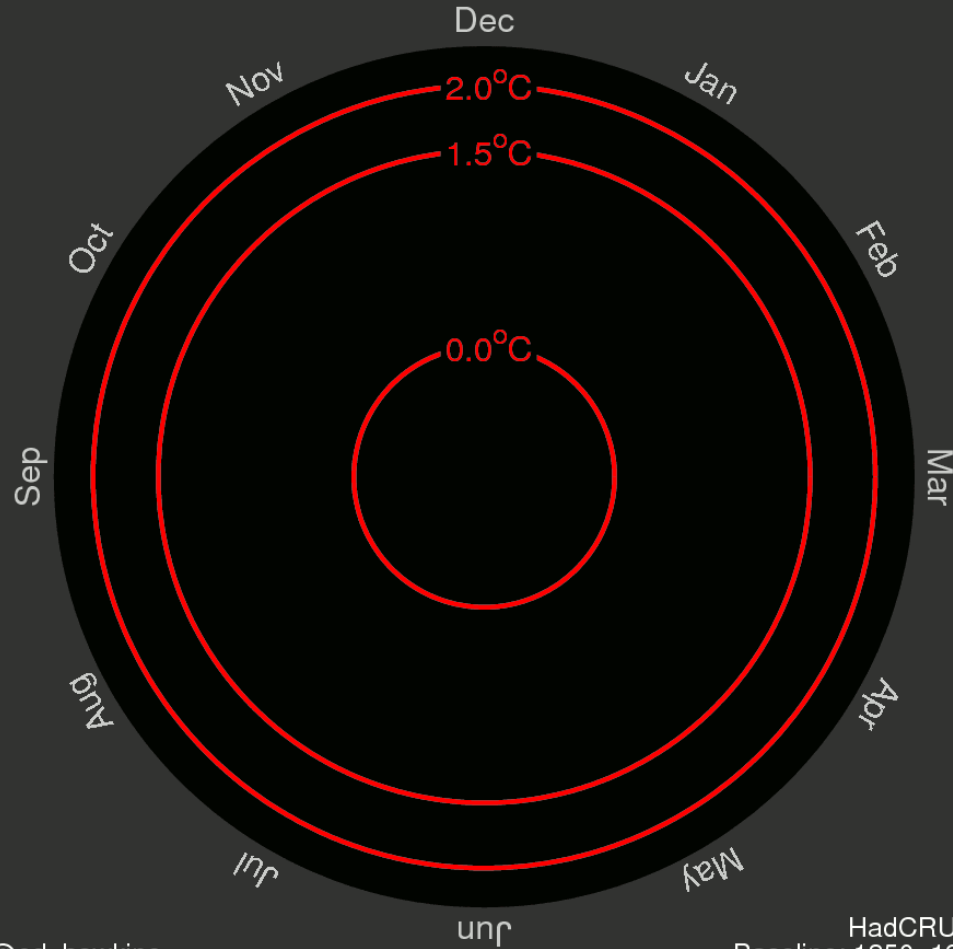
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# Global temperature change (1850–2016)



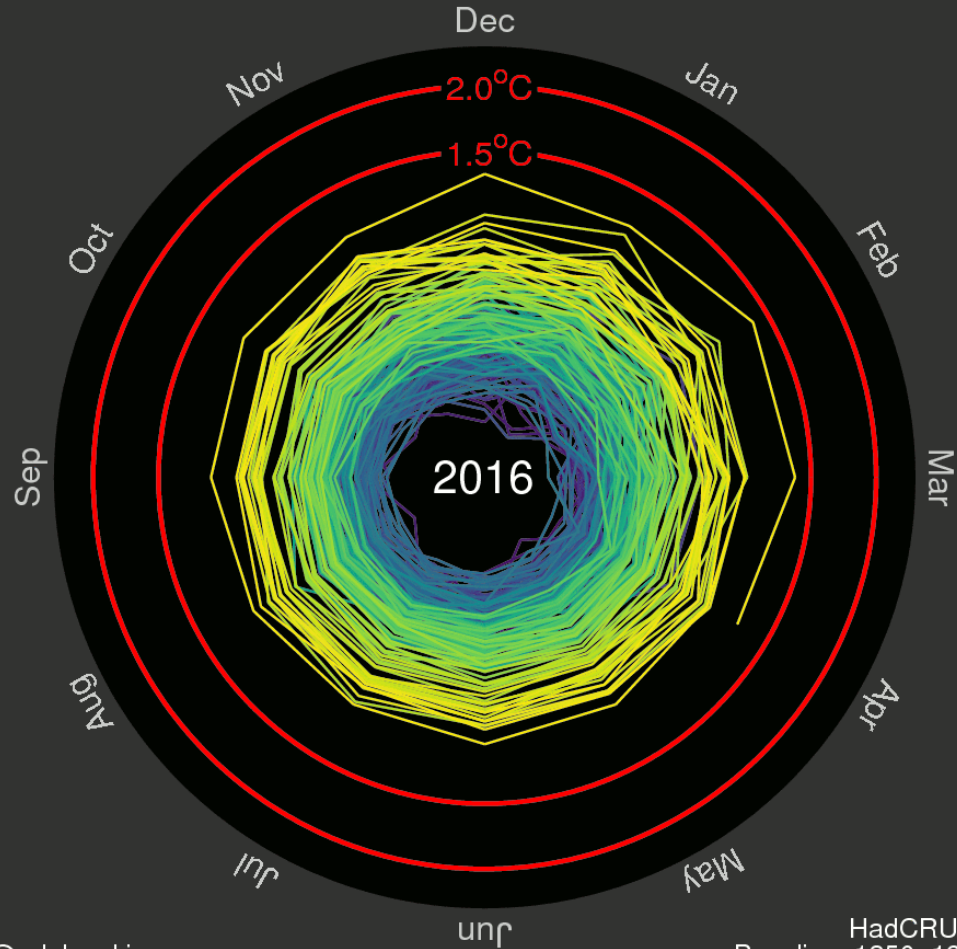
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# Global temperature change (1850–2016)



3

# Global temperature change (1850–2016)



**What do we do?**





**TOWARDS A CLIMATE POLICY TOOLKIT:  
SPECIAL REVIEW ON AUSTRALIA'S  
CLIMATE GOALS AND POLICIES**

AUGUST  
2016



## Climate Change Authority toolkit:

- Emissions intensity scheme ✓
- Vehicle emissions standards ✓
- Safeguard mechanism ✓

FIGURE 18 TRANSITION TO THE POLICY TOOLKIT

|                            | Current policies  |  | Toolkit   |   |  |           |
|----------------------------|---|--|---|---|--|-----------|
| Electricity supply         |   |  | <b>Emissions intensity scheme from 2018</b><br><i>Intensity baseline declines linearly over time, reaching zero well before 2050</i><br><i>Eligible energy efficiency credits can be used to meet obligations</i>             | Chapter 5   |  |           |
|                            |   |  | <b>Renewable Energy Target</b><br><i>Ends 2030</i>  | Chapter 9   |  |           |
| Direct combustion          | Emissions Reduction Fund (ERF) – crediting and purchasing | Safeguard mechanism  | <b>Enhanced safeguard mechanism</b><br><i>Baselines decline consistent with international commitments</i><br><i>ERF credits from agriculture, land use, and forestry can be used to meet obligations in safeguard sectors</i> | <b>Enhanced safeguard or market mechanism</b>   | Chapter 5  |           |
| Industrial processes       |   |  | <i>ERF auctions in safeguard sectors and transport</i>  |   |  |           |
| Fugitive emissions         |   |  |   |   |  |           |
| Transport                  |   |  | <b>Carbon dioxide standards for light vehicles</b>  | Chapter 10  | <b>Standards continue; 2022 review to consider transport coverage under enhanced safeguard or market mechanism</b> | Chapter 5 |
|                            |   |  | <b>Cost-benefit analysis of carbon dioxide standards for heavy vehicles</b>   |   |  |           |
| Agriculture                |   |  | <i>ERF auctions for agriculture and land use</i>  | <b>ERF crediting</b>  | Chapter 11   |           |
| Land use                   |   |  |   |   |  |           |
| Waste                      | Regulation and standards                                  | Safeguard mechanism  |   |   |  |           |
| Synthetic greenhouse gases |   |  |   | <b>ERF auctions; Regulation to further reduce emissions</b>   | Chapter 12   |           |
| Cross-cutting policies     | State-based white certificate schemes                     | Energy efficiency measures for buildings, industry, households | Innovation support  | <b>Efforts to harmonise white certificate schemes for use as offsets under emissions intensity scheme</b> | Chapter 7  |           |
|                            |   |  |   | <b>ERF crediting and auctions for energy efficiency</b>   | Chapter 7  |           |
|                            |   |  |   | <b>New or enhanced energy efficiency measures for buildings, industry, households</b>                     | Chapter 7  |           |
|                            |   |  |   | <b>Innovation support focussed on R&amp;D for low-emissions technologies</b>                              | Chapter 8  |           |
| Reviews                    |   |  | <b>First toolkit review in 2022</b><br><b>Five-yearly reviews thereafter</b><br><i>Reviews to assess Australia's progress and that of key countries</i>   |   |  |           |



What should I be  
communicating?

**“You never change things by fighting the existing reality.**

**To change something, build a new model that makes the existing model obsolete.”**

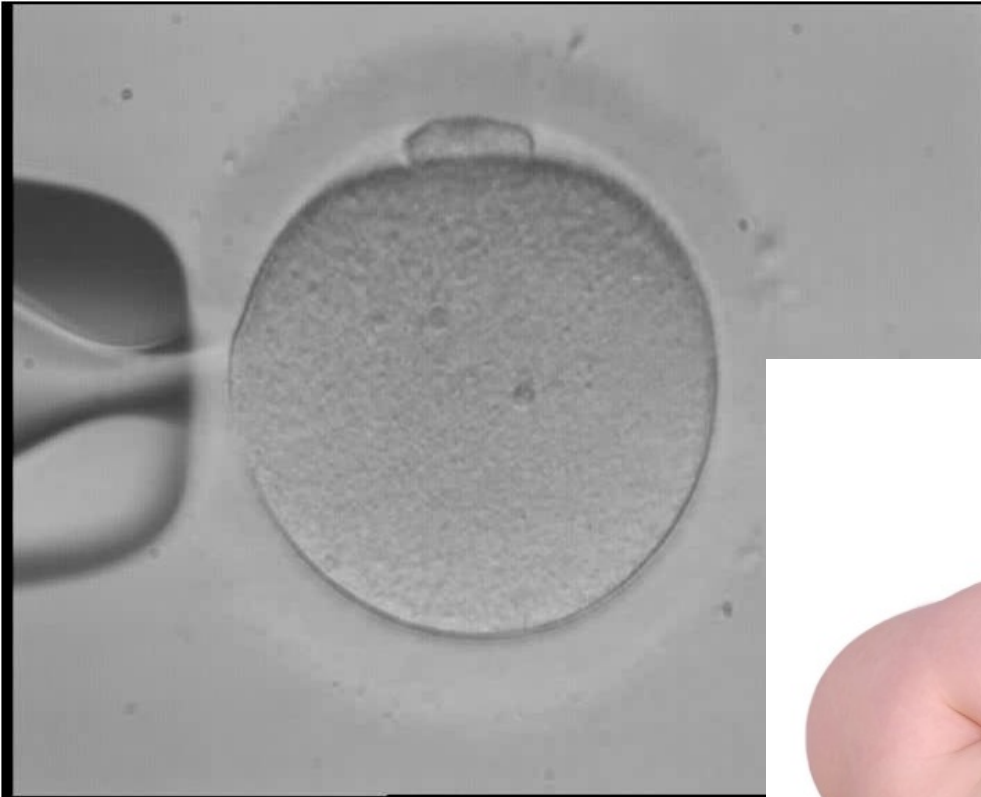
**– Buckminster Fuller,  
Inventor geodesic dome**













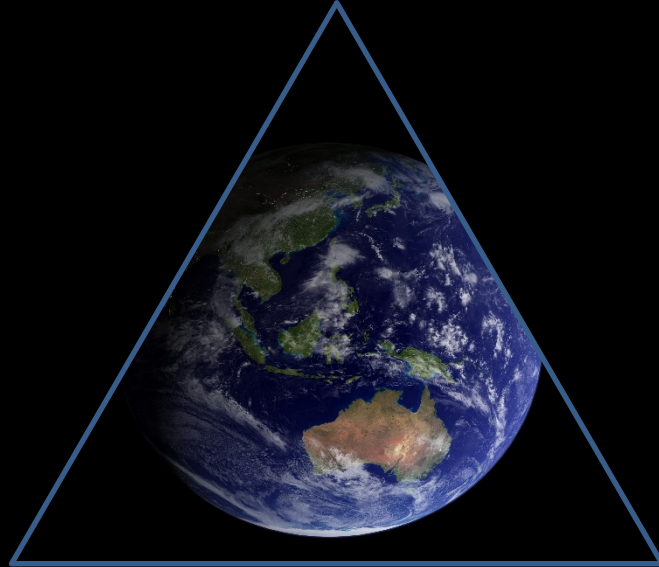
**Ubiquitous low emissions energy is the solution.**



**But what is the underlying formula for acceptance?**

Affordable

\$



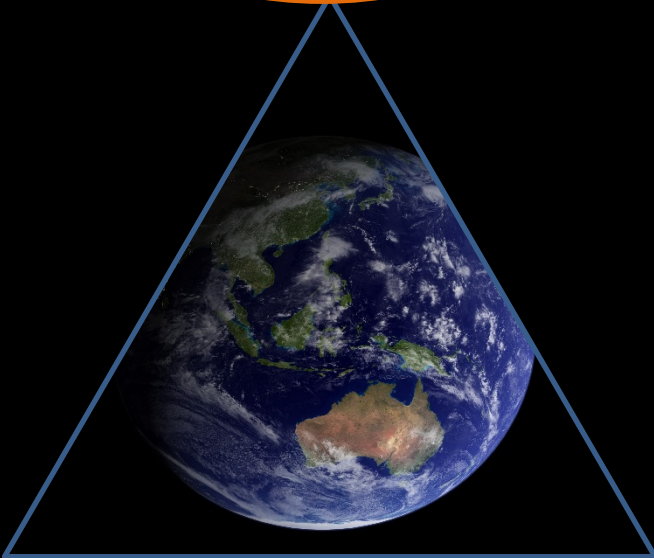
Low emissions

CO<sub>2</sub>

Continuous

24/7

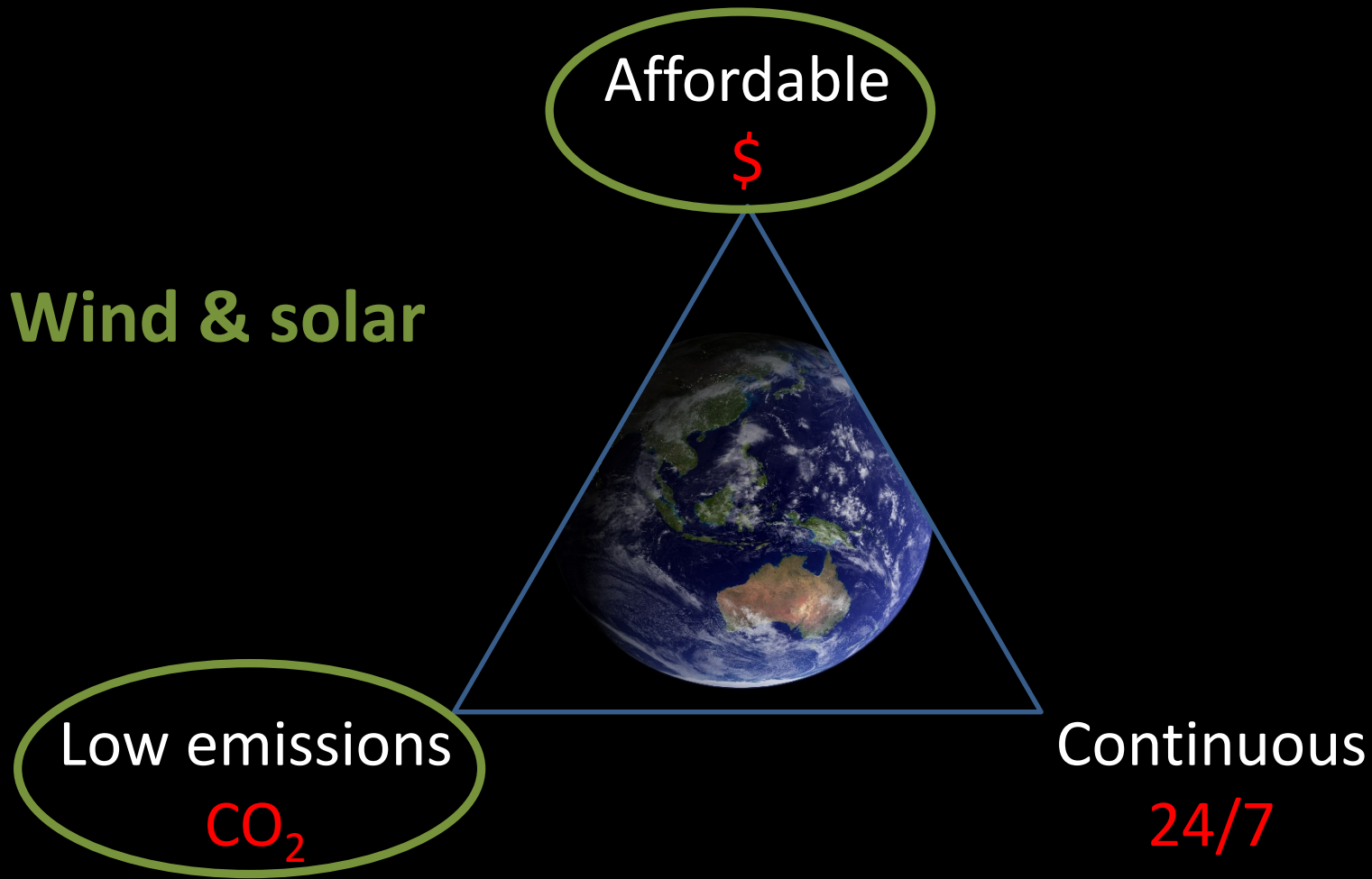
Affordable  
\$



Fossil fuels

Low emissions  
CO<sub>2</sub>

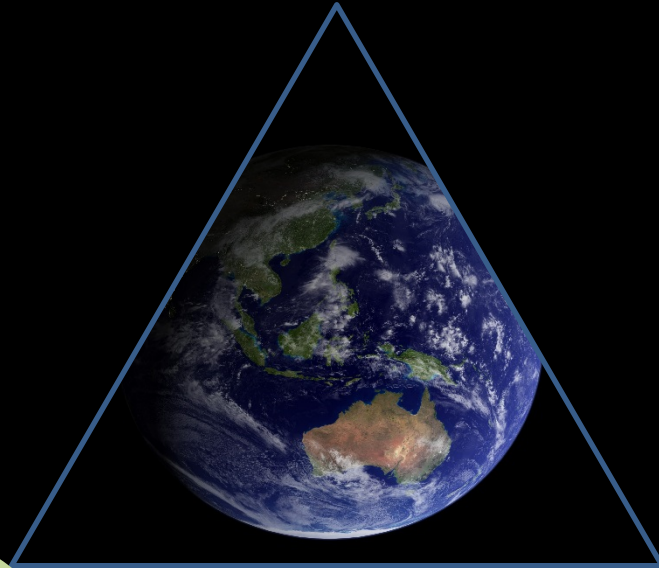
Continuous  
24/7



Affordable ?

\$

Wind & solar  
with storage



Low emissions  
CO<sub>2</sub>

Continuous  
24/7

Energy prices in \$US per mWh

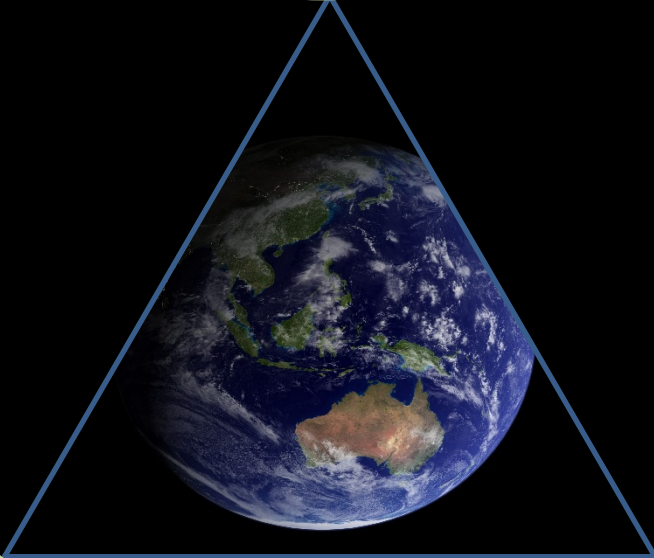
|       | 2008  | 2016 | Price reduction |
|-------|-------|------|-----------------|
| Wind  | \$65  | \$20 | 69%             |
| Solar | \$125 | \$25 | 80%             |

What will happen to battery prices in the future?

Coming soon to a planet  
near you...

Affordable  
\$

Wind & solar  
with storage



Low emissions  
CO<sub>2</sub>

Continuous  
24/7

Respond with logic and respect.

Make replacement technologies compelling.

There is a viable energy future!