

# **A Fatal Flaw in Global Warming Science**

## **Why human CO2 does not change climate**

presented at

**Basic Science of a Changing Climate**

**Porto University, September 7, 2018**

by

**Edwin X Berry**

PhD, Physics, Nevada

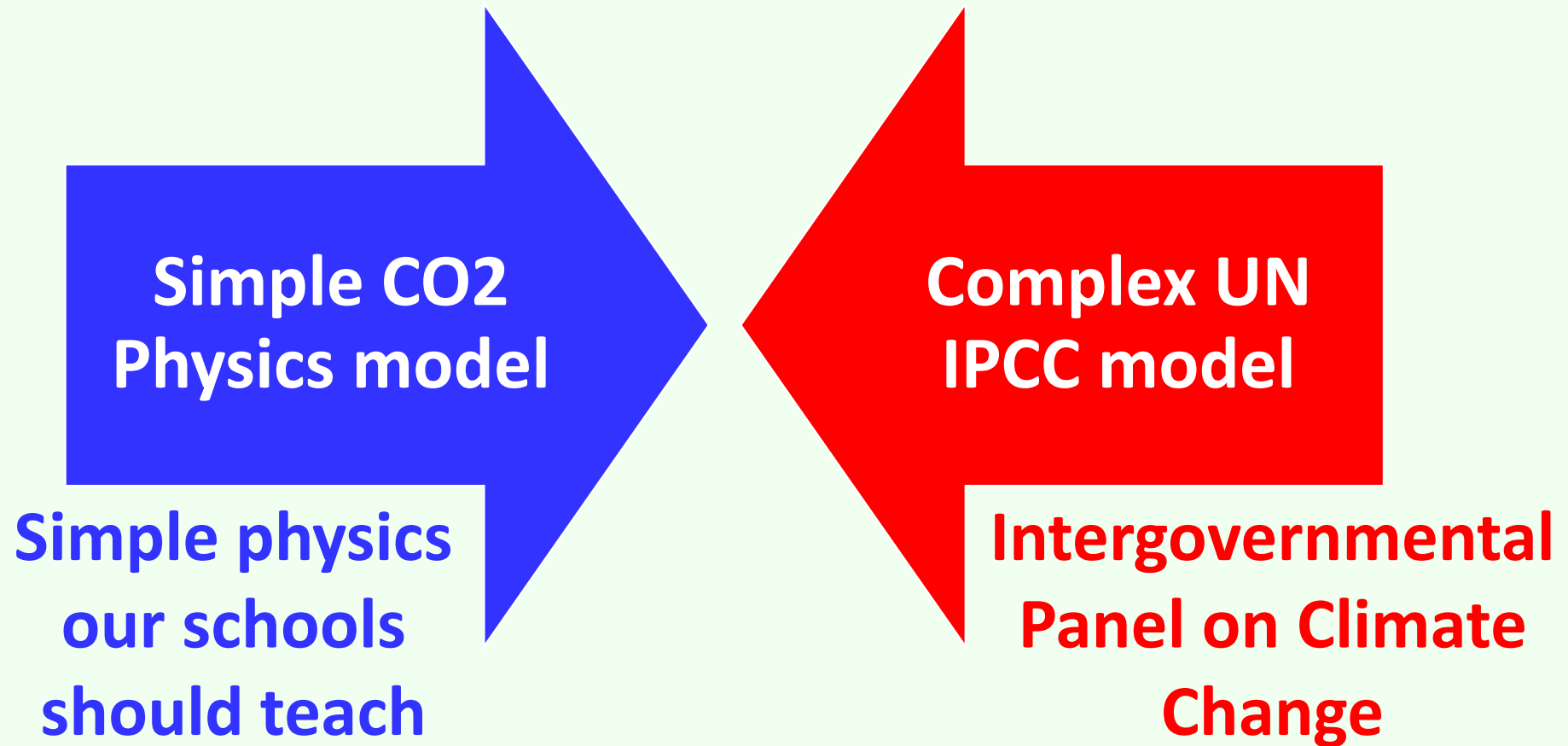
MA, Physics, Dartmouth

BS, Engineering, Caltech

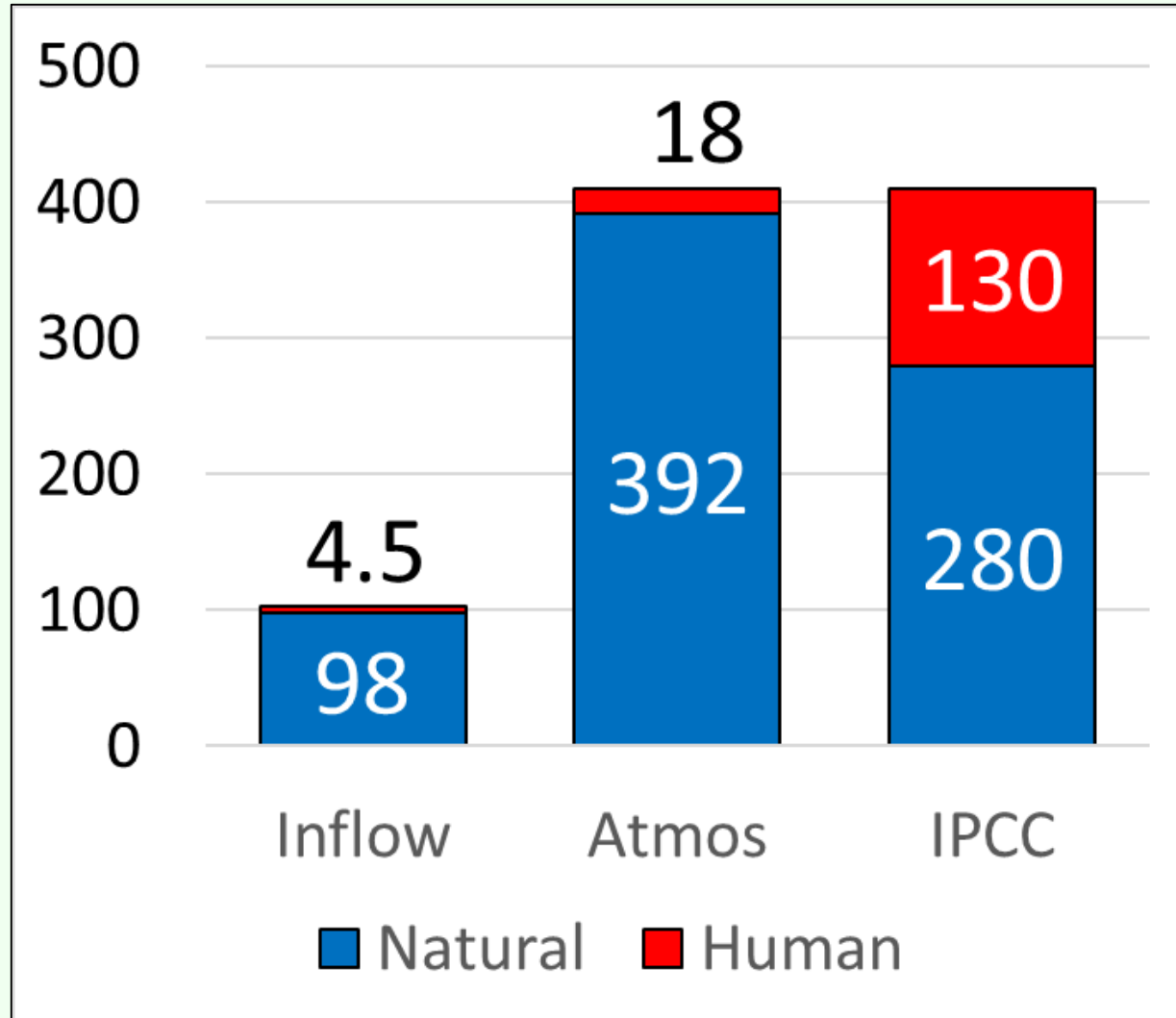
AMS Certified Consulting Meteorologist

[edberry.com](http://edberry.com)

# Climate Model Shootout



# The Problem Defined



Physics proves the Inflow ratio sets the Atmosphere ratio of human to natural CO<sub>2</sub>.

But UN says natural CO<sub>2</sub> stayed at 280 and human CO<sub>2</sub> caused all increase.

# **We will show ...**

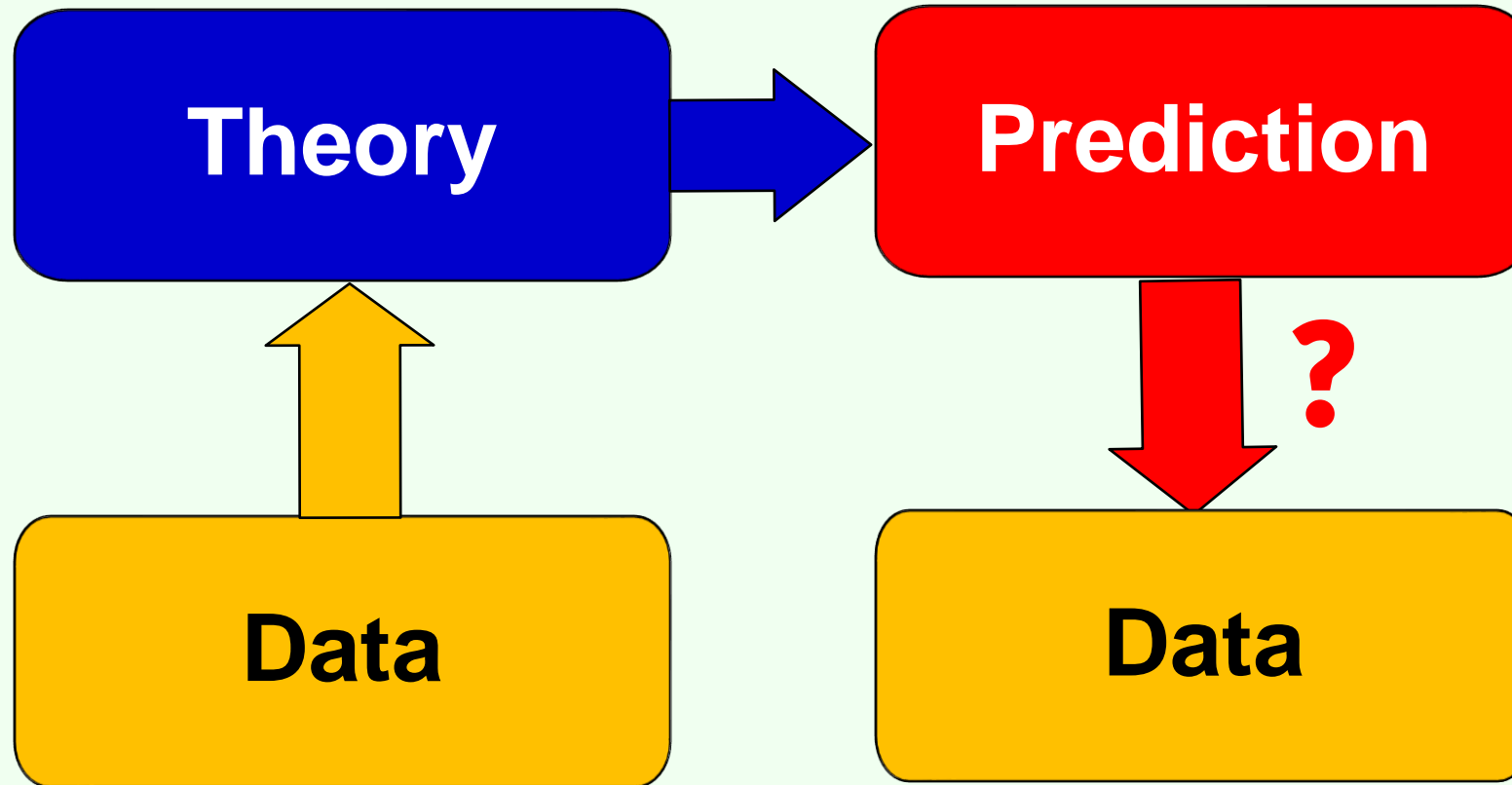
**The simple physics  
model is correct**

**The UN model fails  
physics and logic**

**Inflow ratio sets  
Atmosphere ratio**

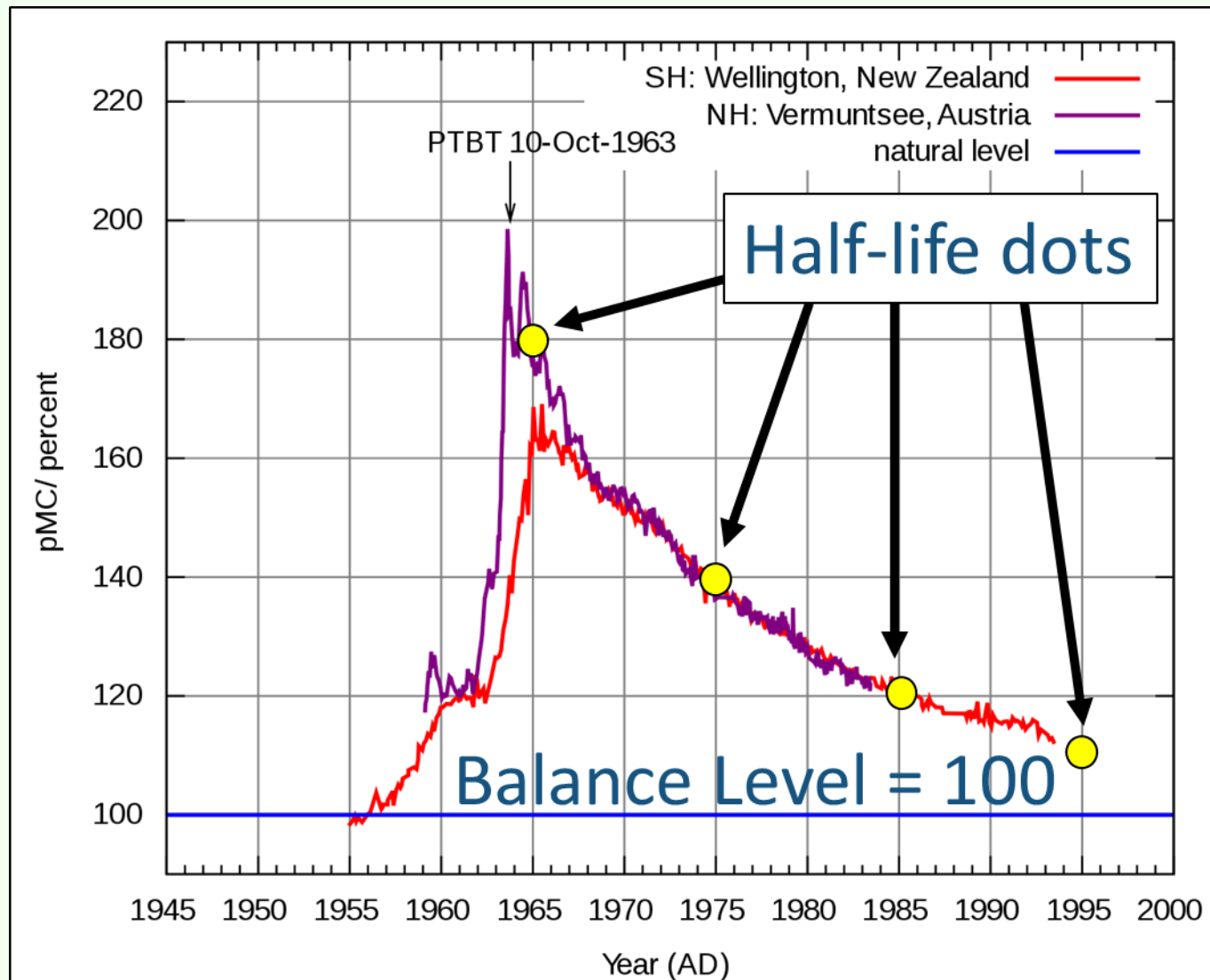
**Human CO<sub>2</sub> adds  
only 18 ppm**

# We follow the Scientific Method



If your Prediction is wrong, your Theory is wrong.

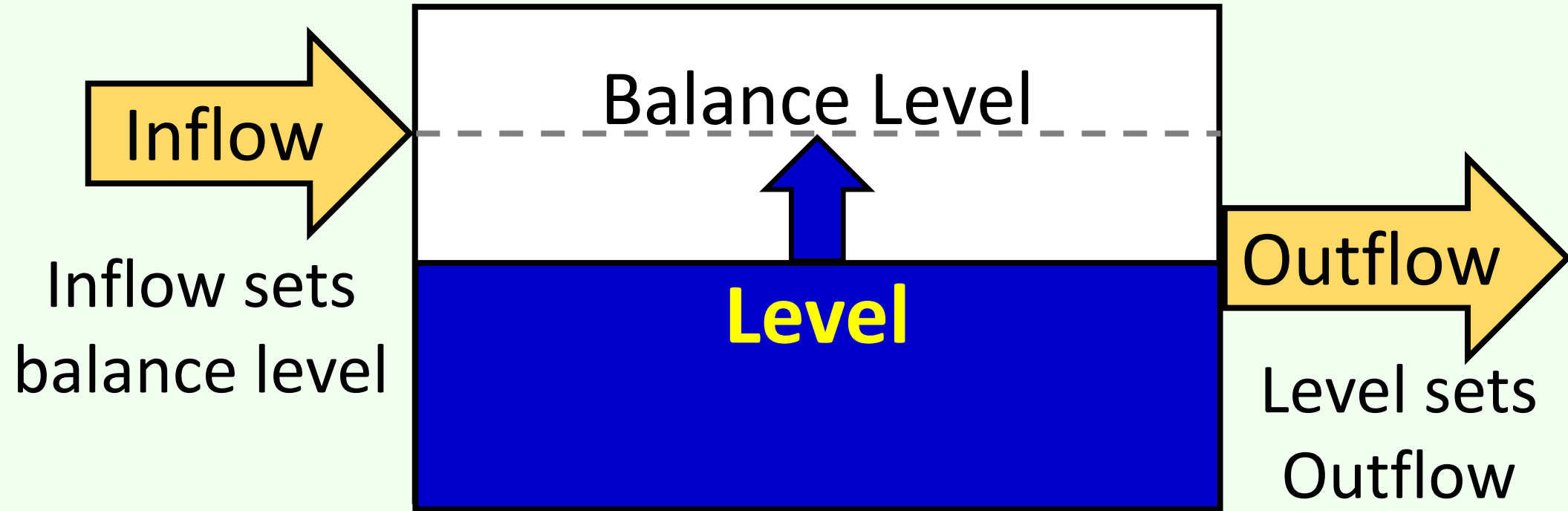
# $^{14}\text{C}$ - $\text{CO}_2$ data show constant half-life



Half-life ( $T_h$ )  
= 10 years

Residence  
Time ( $T_e$ )  
= 14.4 years

# Physics System for Atmospheric CO2



Applies to all  
definitions of CO2

# Physics theory: Outflow = Level / Te

$$dL/dt = \text{Inflow} - \text{Outflow} \quad (1)$$

$$dL/dt = \text{Inflow} - L / Te \quad (2)$$

$$dL/dt = Lb / Te - L / Te \quad (3)$$

$$L(t) = Lb + (Lo - Lb) \exp (-t / Te) \quad (4)$$

I acknowledge Herman Harde, Murry Salby,  
and others who contributed to this subject.



# Physics theory conclusions

Balance level = Inflow \*  $T_e$ :

$$L_{bh} = 4.6 \text{ (ppmv/year)} * 4 \text{ (years)} = 18 \text{ ppm} \quad (1)$$

$$L_{bn} = 98 \text{ (ppmv/year)} * 4 \text{ (years)} = 392 \text{ ppm} \quad (2)$$

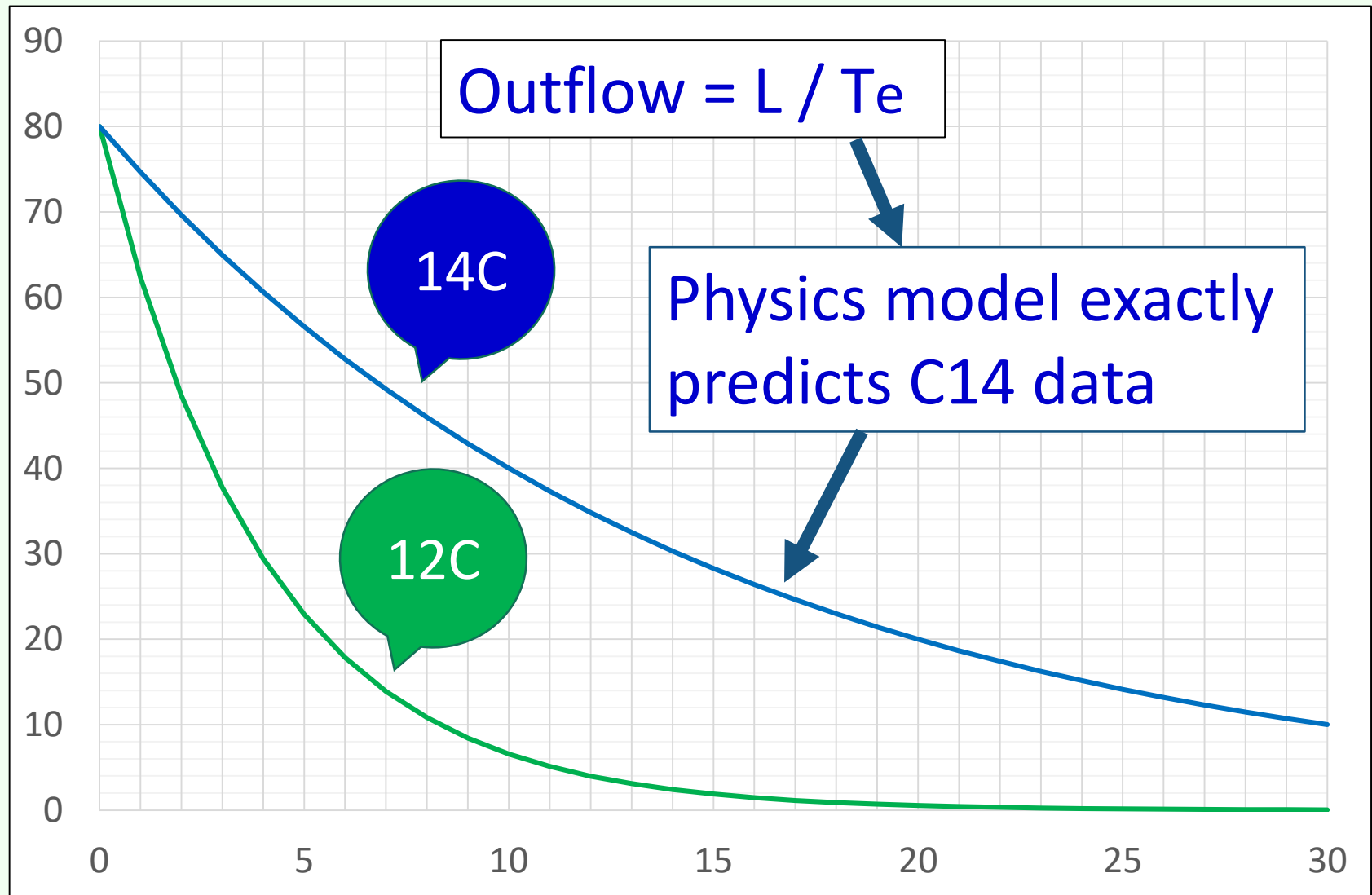
Inflow ratio sets Atmosphere ratio:

$$L_{bh} / L_{bn} = 4.6/98 = 18/392 = 0.046 \quad (3)$$

Surface temperature sets  $L_{bn}$  (Salby):

$$L_{bn} = 3.5 \text{ (ppmv/year K)} * T_s \text{ (K)} * T_e \quad (4)$$

# Physics model exactly predicts 14C data



Critical point:  
Physics model can restart at any point and continue the same line

# Physics Model Summary

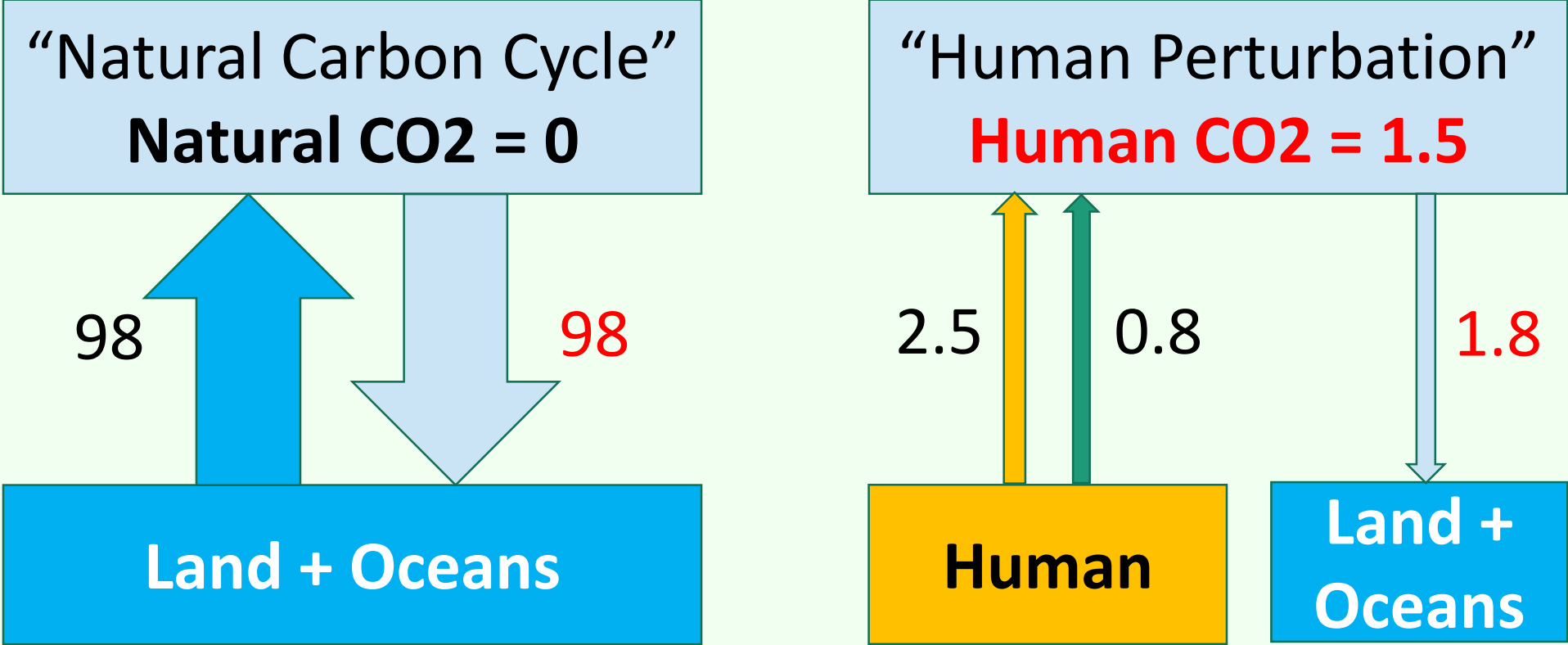
**One simple idea:  
Outflow =  $L / T_e$**

**Exactly computes  
14C-CO2 data**

**Inflow ratio sets  
Atmosphere ratio**

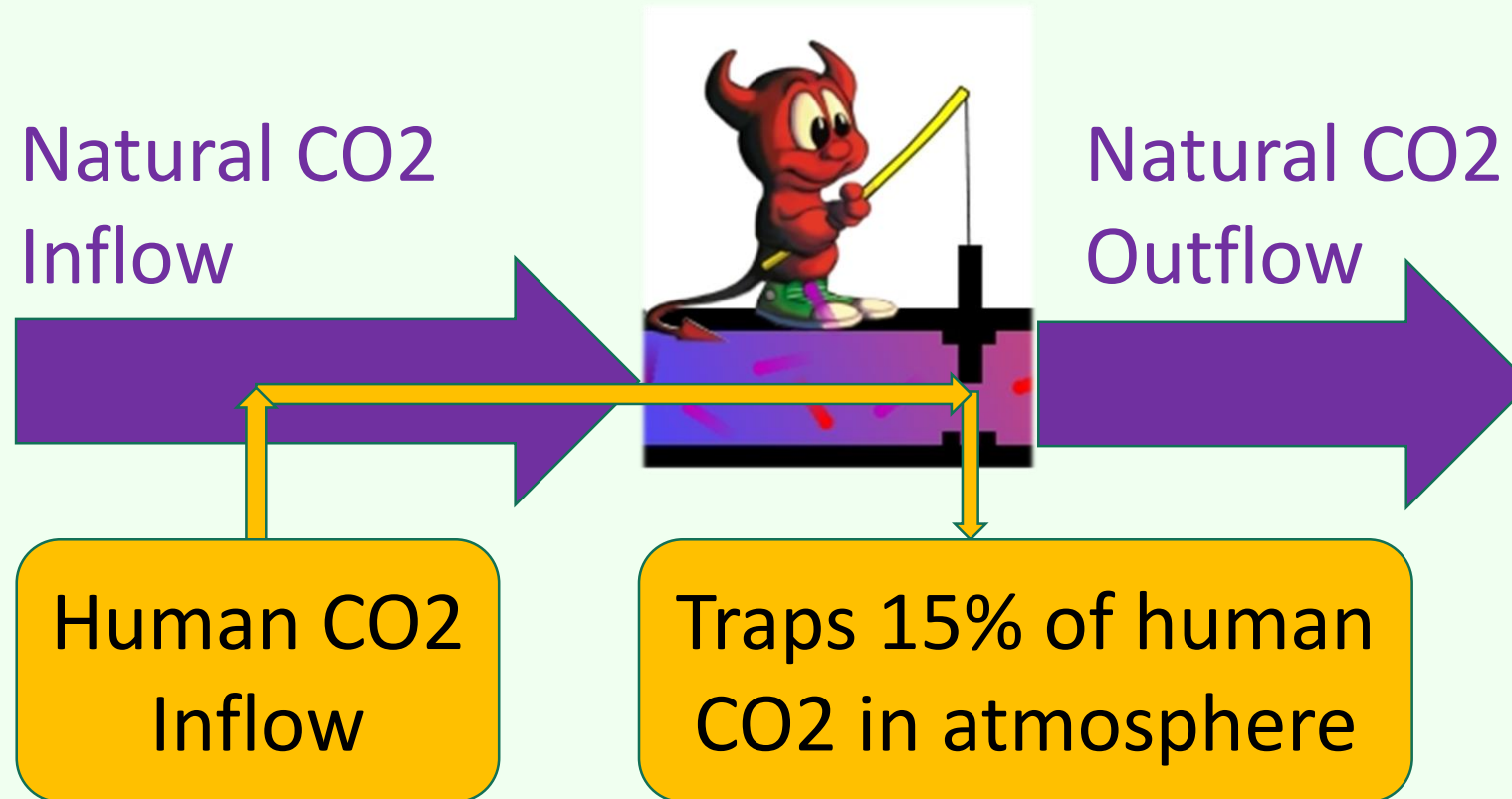
**Human CO2 adds  
only 18 ppm**

# UN theory **assumes** nature good, **human** bad



**UN theory treats natural and human CO2 differently**

# UN uses demon to trap human CO2 which violates Equivalence Principle

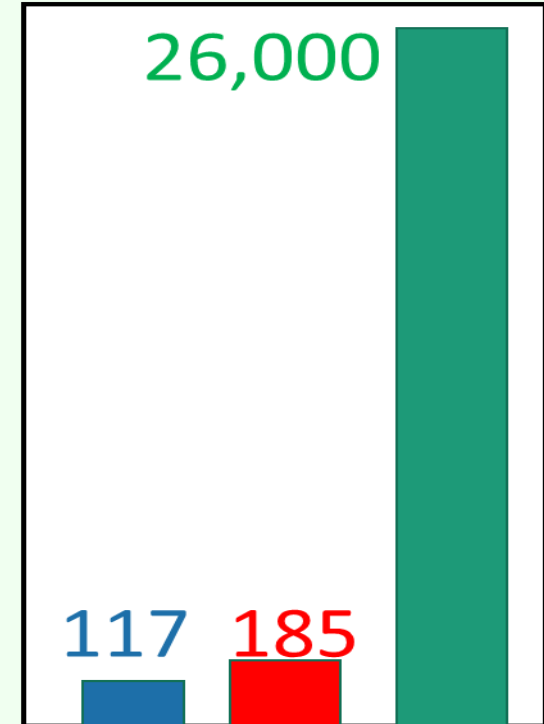


# UN core argument fails logic

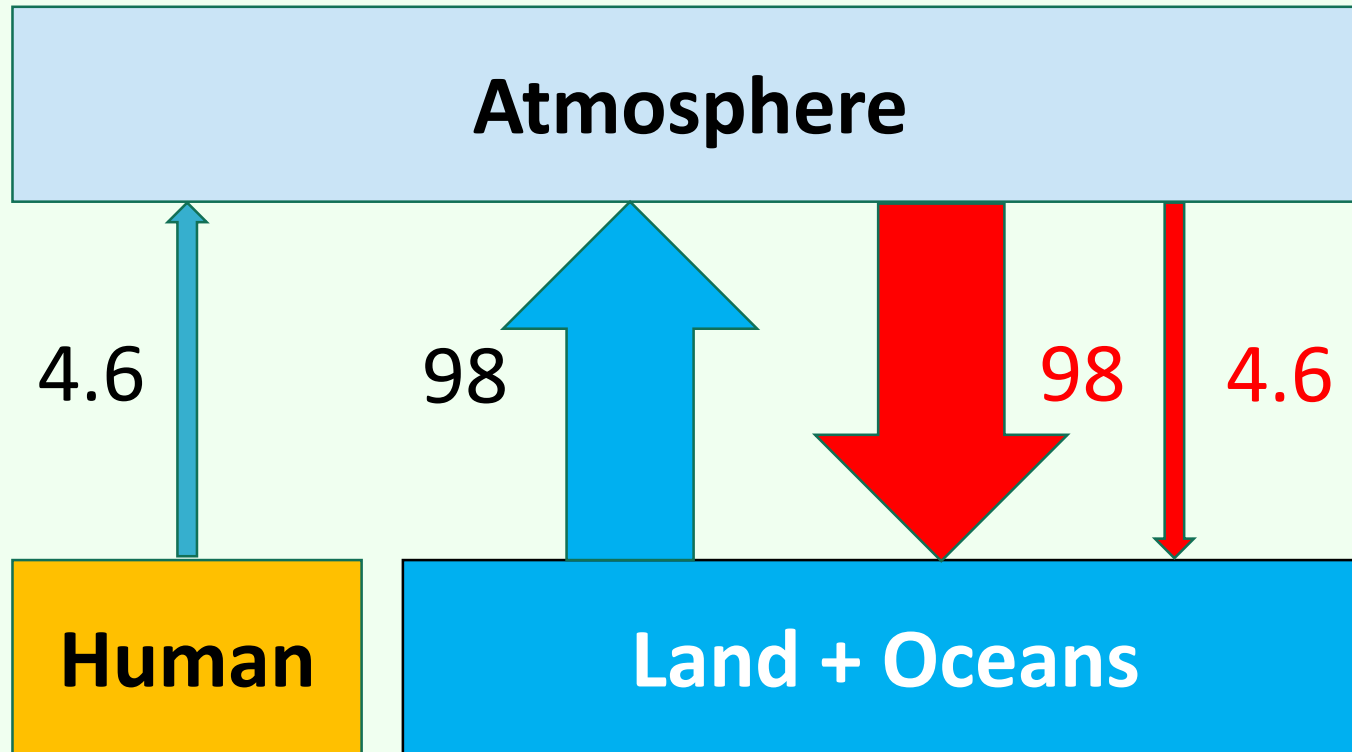
UN says, from 1750 to 2013:

1. Human CO2 emissions totaled 185
2. Atmospheric CO2 increased 117
3. *So, human CO2 caused ALL CO2 increase above 280, the level in 1750*

Natural CO2 emissions totaled 26,000

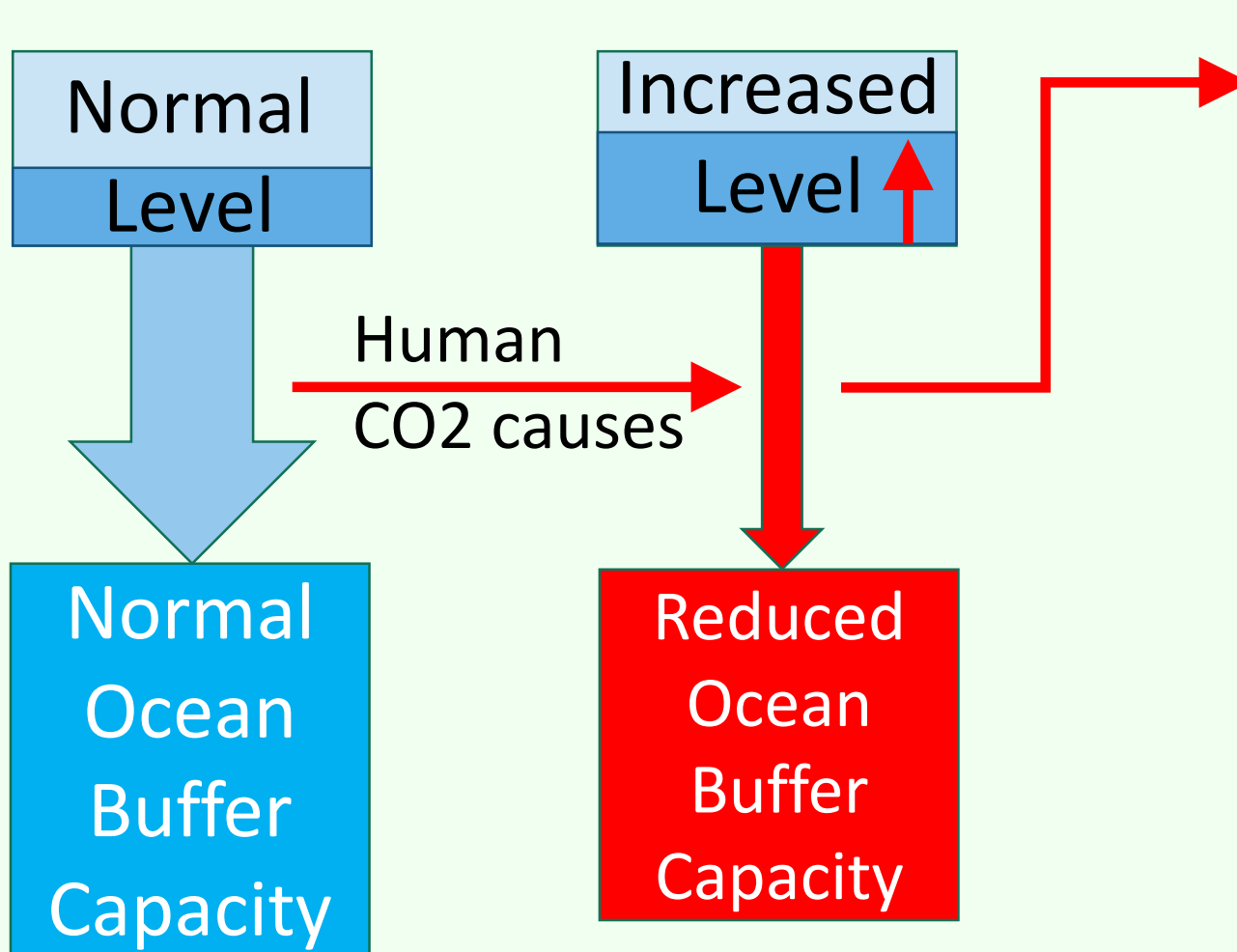


# UN claims, since nature absorbs human CO<sub>2</sub>, it can't increase natural CO<sub>2</sub>



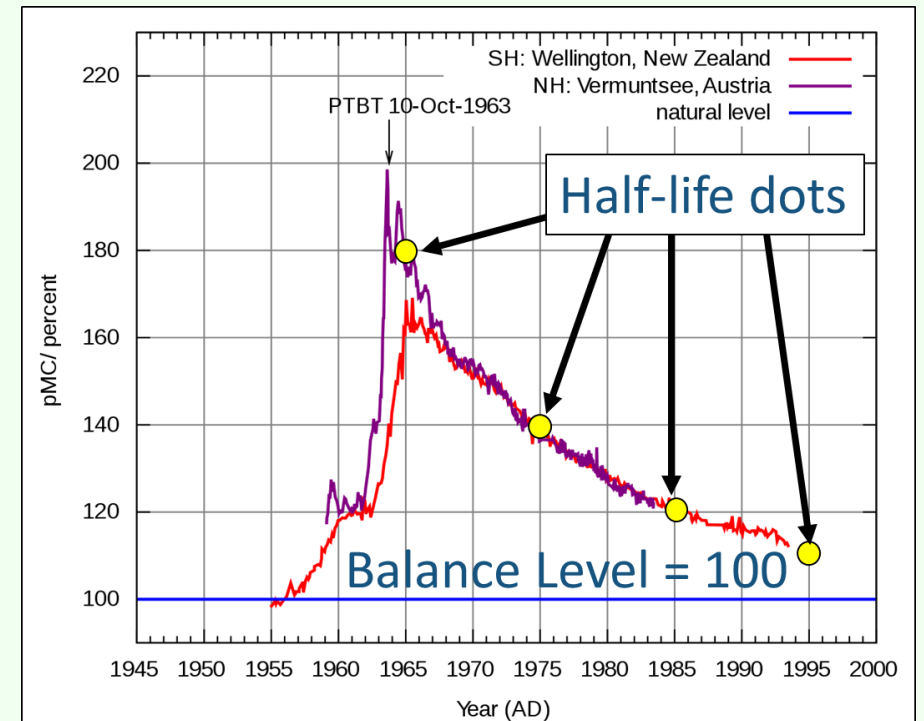
But human  
outflow of  
4.6 cannot  
restrict  
nature's  
inflow to 98

# UN claims **human** CO2 reduces “buffer capacity of carbonate system”



$Te = Level / Outflow$  ↑

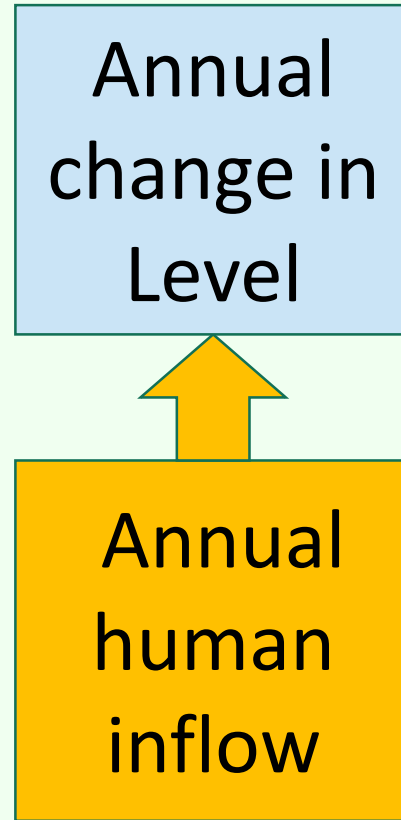
UN claim conflicts with:





# UN theory fails correlation test

UN claims  
annual human  
inflow causes  
annual change  
in CO2 level

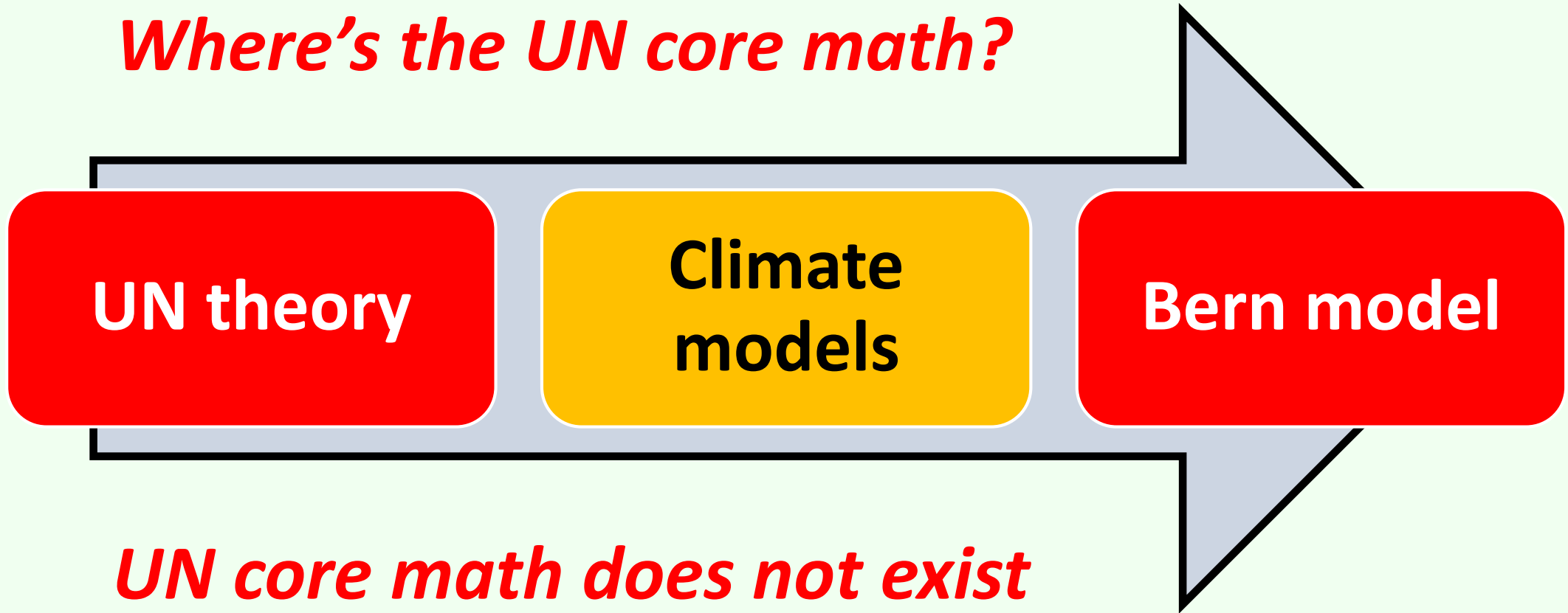


Munshi (2017)  
statistics show  
correlation of  
annual human  
inflow with CO2  
level is ZERO.

**So, no cause-effect**

# Bern model reveals math for UN theory

*Where's the UN core math?*



**UN theory**

**Climate  
models**

**Bern model**

*UN core math does not exist*

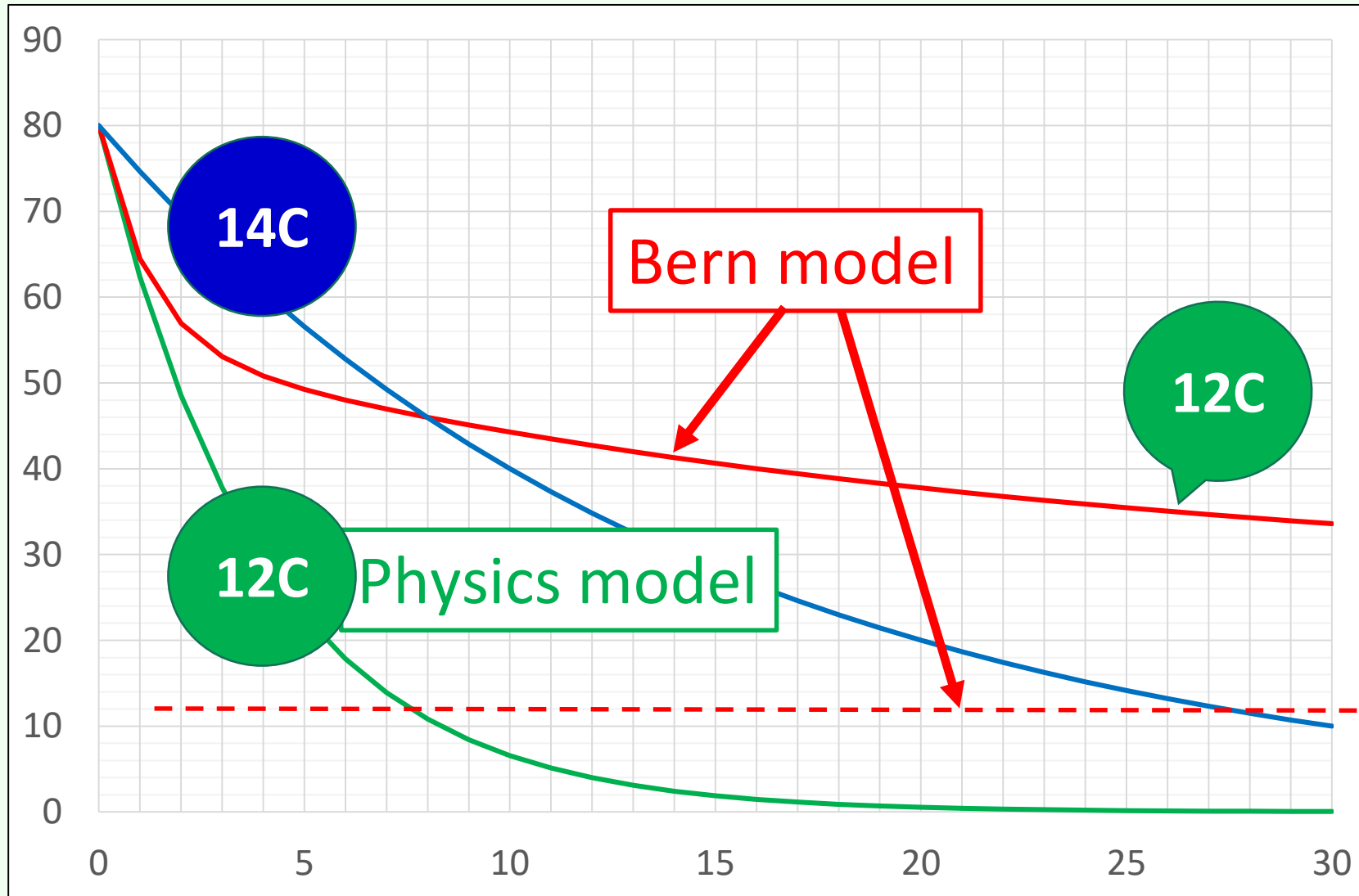
# Bern model shows UN climate models trap 15% of **human CO2**

$$L(t) = L_0 \left[ \begin{aligned} &+ 0.150 \\ &+ 0.252 \exp(-t / 173) \\ &+ 0.279 \exp(-t / 18.5) \\ &+ 0.319 \exp(-t / 1.19) \end{aligned} \right]$$

**For natural inflow, the Bern model predicts:**

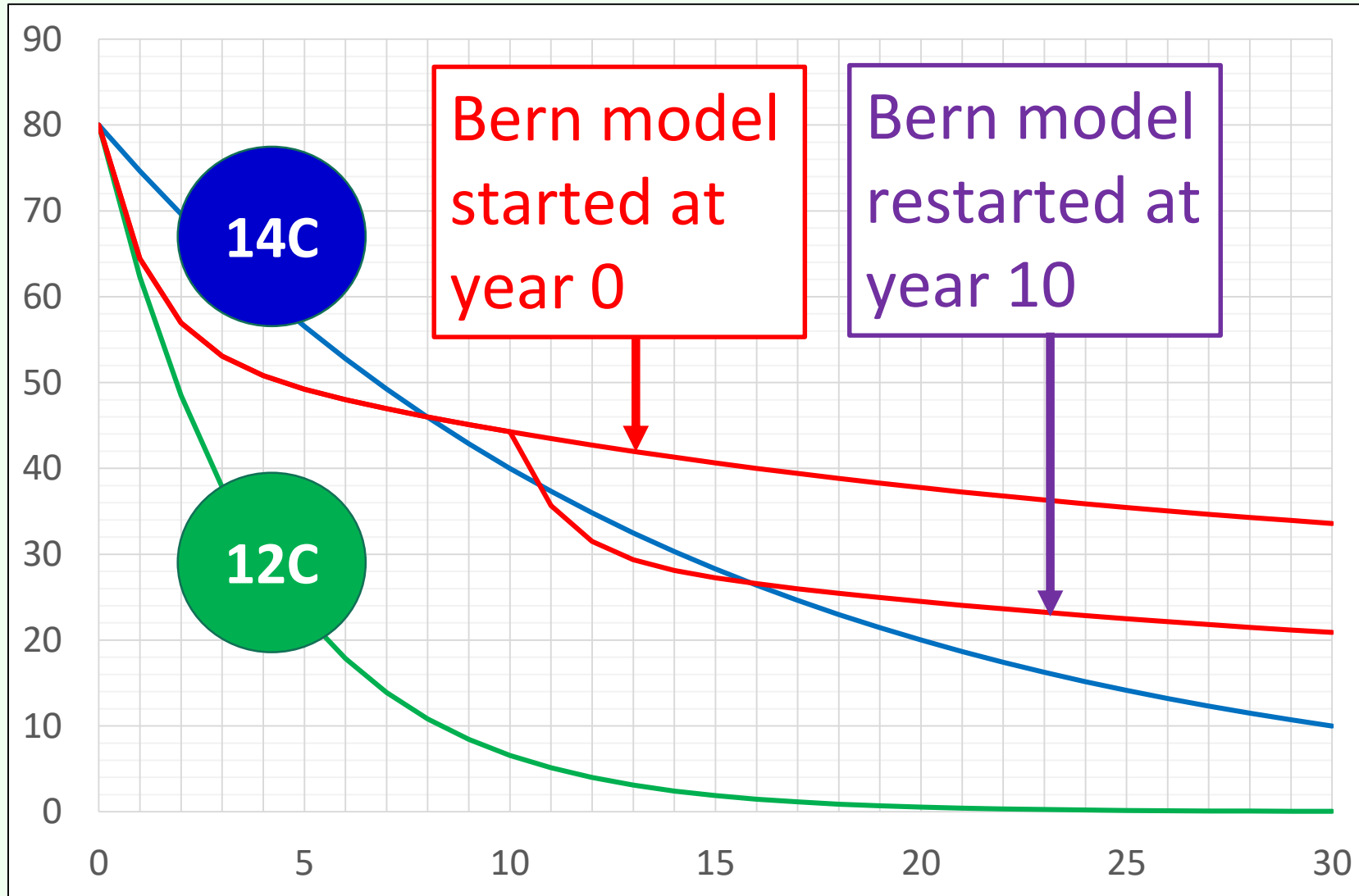
$$0.15 * 100 \text{ ppm/year} * 1000 \text{ years} = 15,000 \text{ ppm}$$

# Bern model can't simulate 14C data



Bern  
crosses  
14C line.  
So, UN  
theory is  
wrong!

# Bern model depends on history



Bern model can't match its own data on restart.

So, UN theory is wrong.

# UN theory fails physics

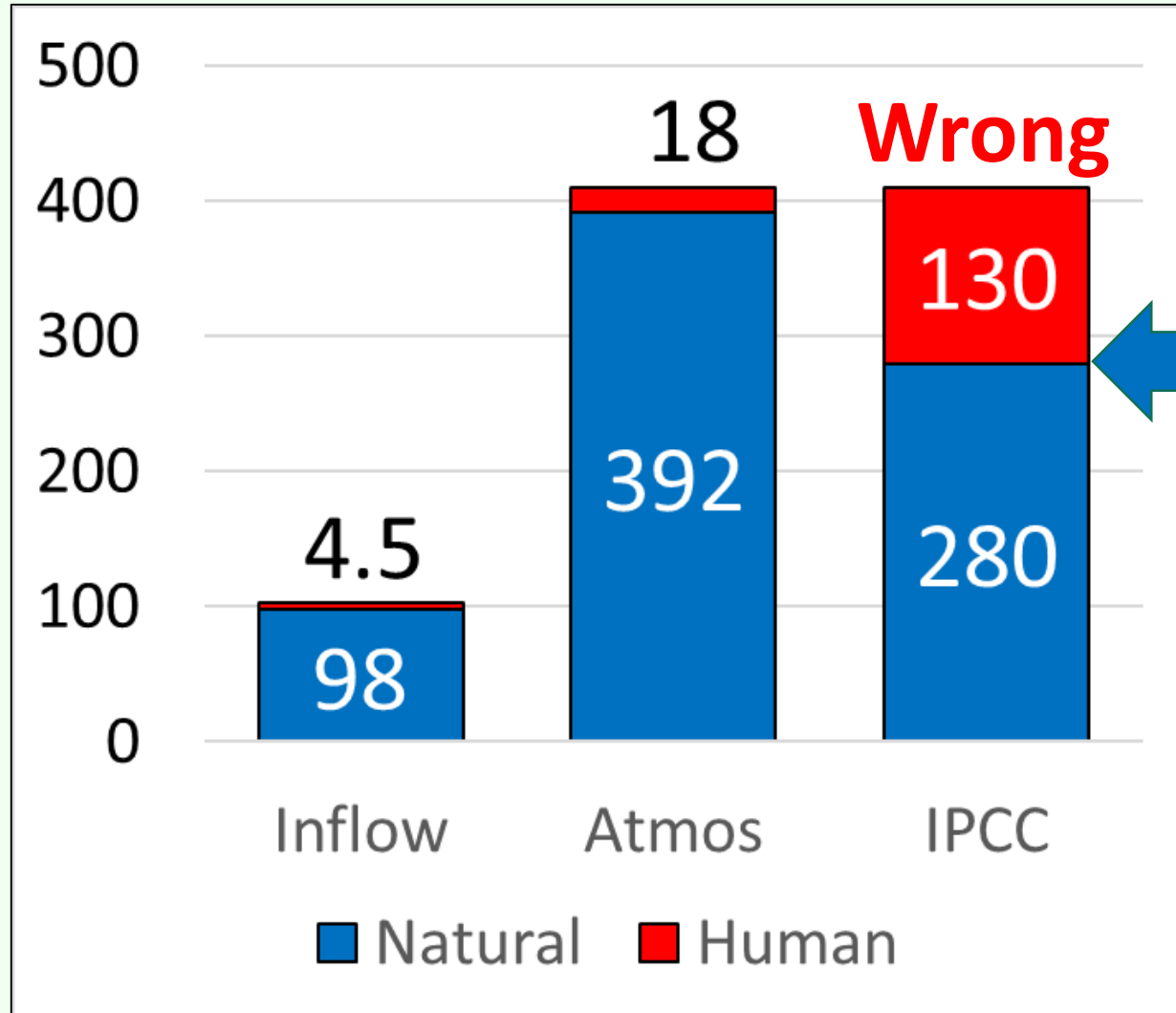
**No defined system  
and no core math**

**Arguments violate  
physics and logic**

**Can't predict  
14C-CO2 data**

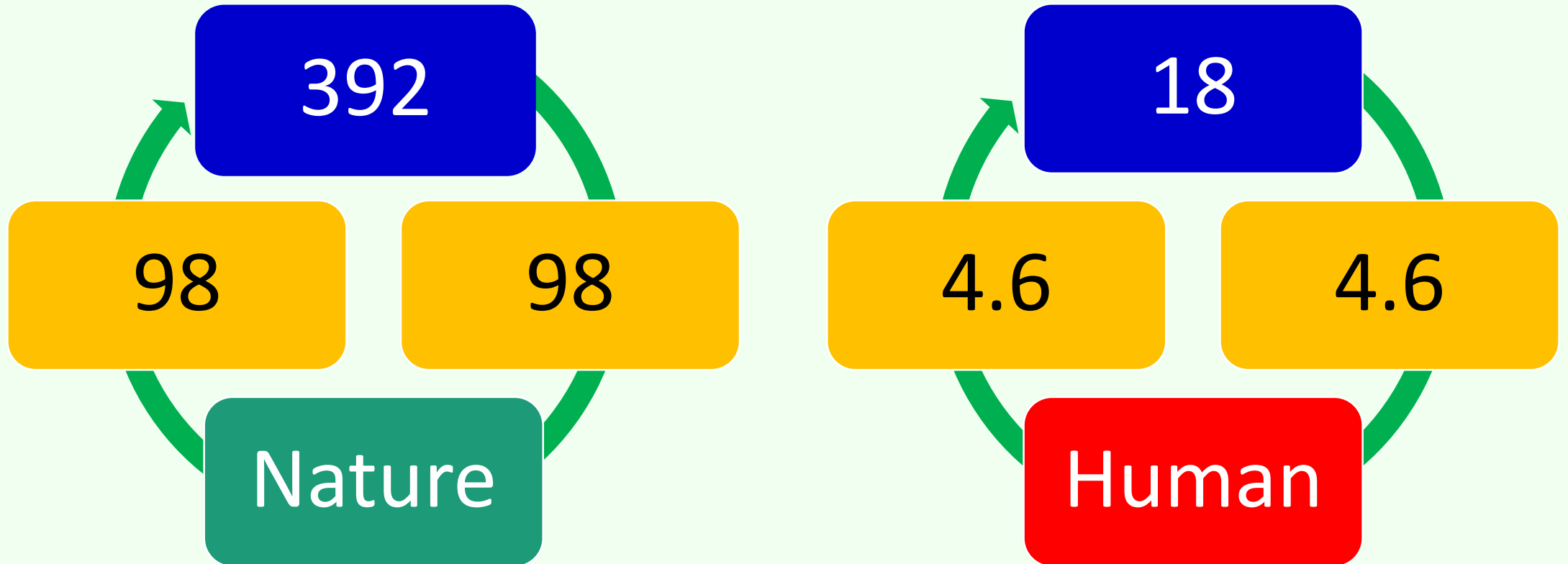
**Invalid prediction  
that uses history**

# Physics theory is right - UN theory is wrong



UN cannot explain how natural CO2 stays at 280, while human CO2 adds 130 to atmosphere.

# Natural and human CO2 set balance levels





# Atmospheric CO<sub>2</sub> is like water in a lake

*Human and natural CO<sub>2</sub> flow into and out of the atmosphere like water flows into and out of a lake.*

*Inflows do not accumulate. Inflows set balance levels where outflow equals inflow and level is constant.*

# Conclusions

**Natural CO2 adds  
392 ppm**

**Human CO2 adds  
only 18 ppm**

**Nature dominates  
the rise in CO2**

**Human CO2 does  
not change climate**