

DANIEL LUX

ATMOSPHERE

CO₂ on my mind



HOW CLIMATE CHANGE
AFFECTS YOUR BODY

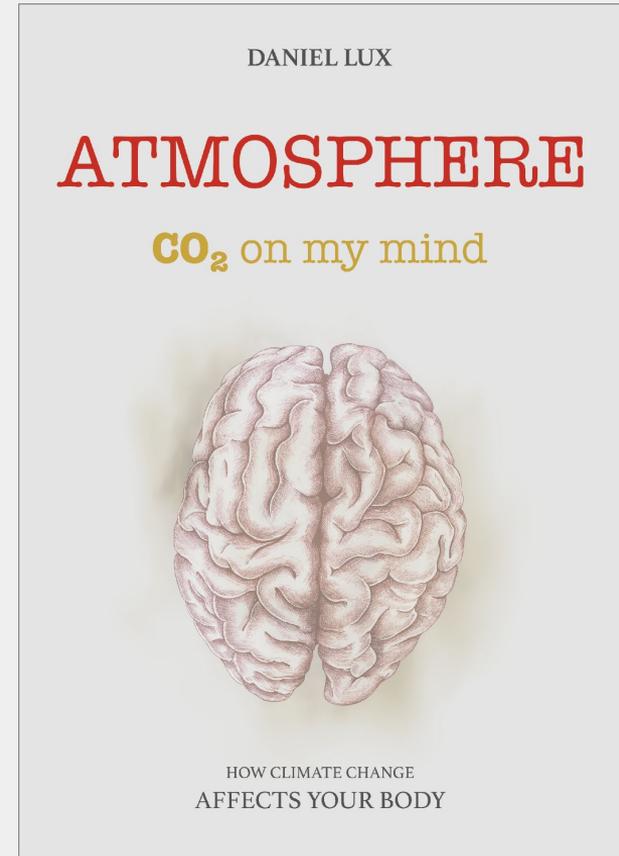
INTRODUCTION

***CO₂ directly affects the
human mind and body!***

INTRODUCTION

There is more to climate change than rising temperatures & increasing ocean levels.

CO2 directly affects the human mind and body!



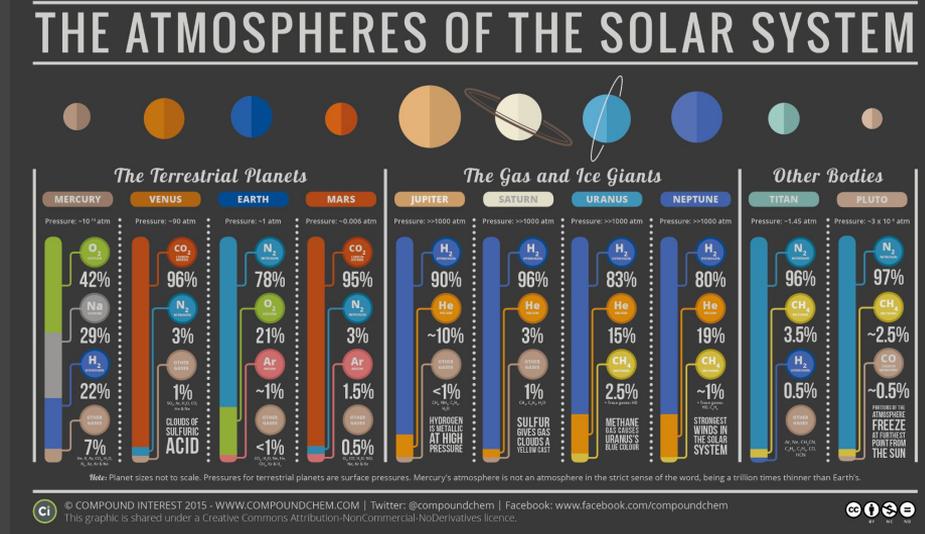
FLYING REPTILES

- 230-66 mio years BP
- CO₂ levels dropped
- 2000 ppm -> 400 ppm
- Archimedes principle
- Evolution



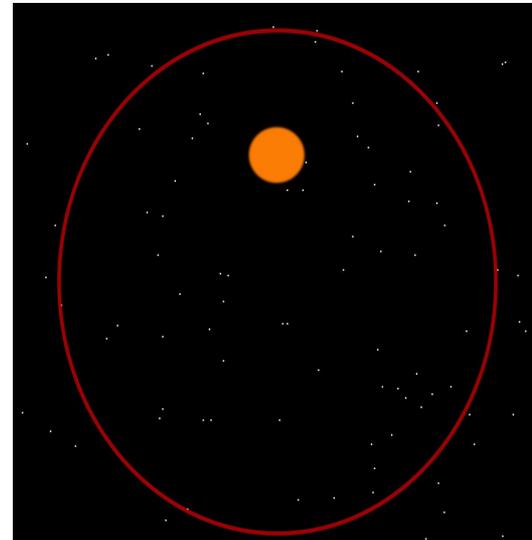
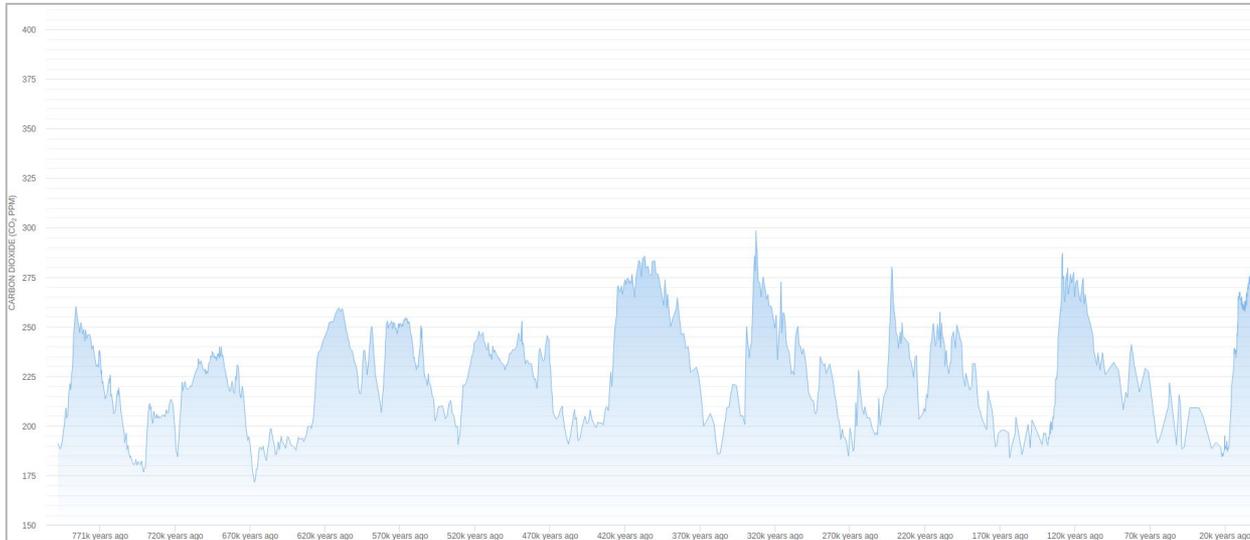
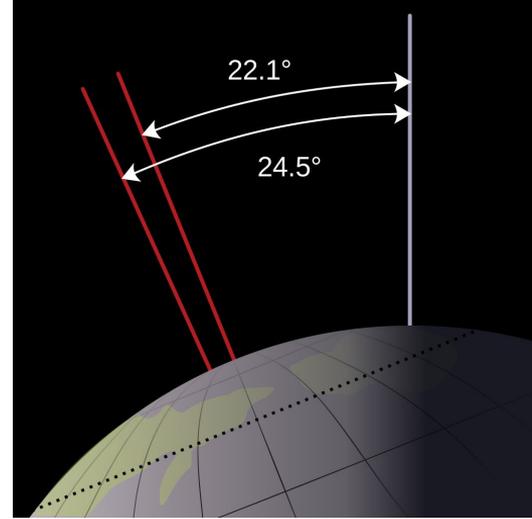
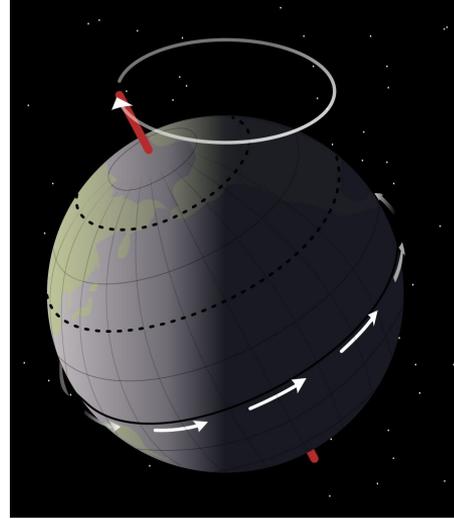
EARLY EARTH ATMOSPHERE

- 4,5 billion years BP
- 45 Earth Years (EY)
- CO₂ consuming bacteria
- O₂ consuming life
- Huronian Glaciation 21 EY
- -50°C to +50°C
(-58 Fahrenheit to 122 Fahrenheit)



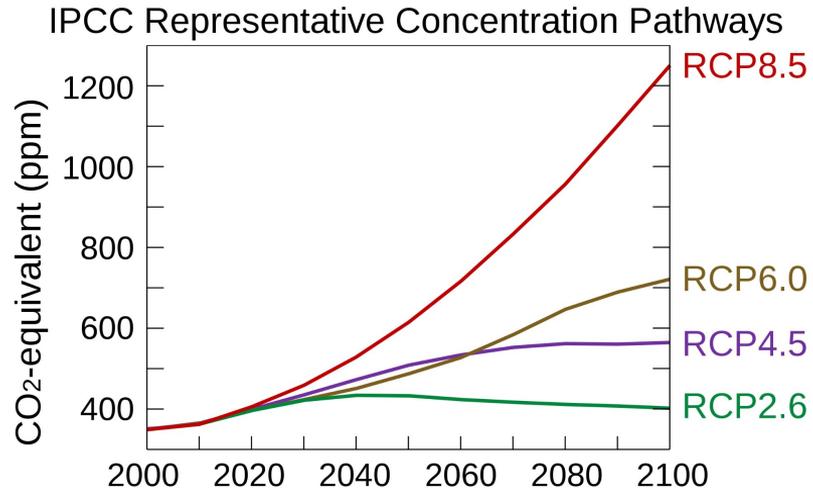
HUMAN EVOLUTION

- **Ice core drillings**
- **Milankovitch (Orbital) Cycles**
 - **Precession (26.000 Years)**
 - **Obliquity (41.000 Years)**
 - **Eccentricity (100.000 - 400.000 Years)**



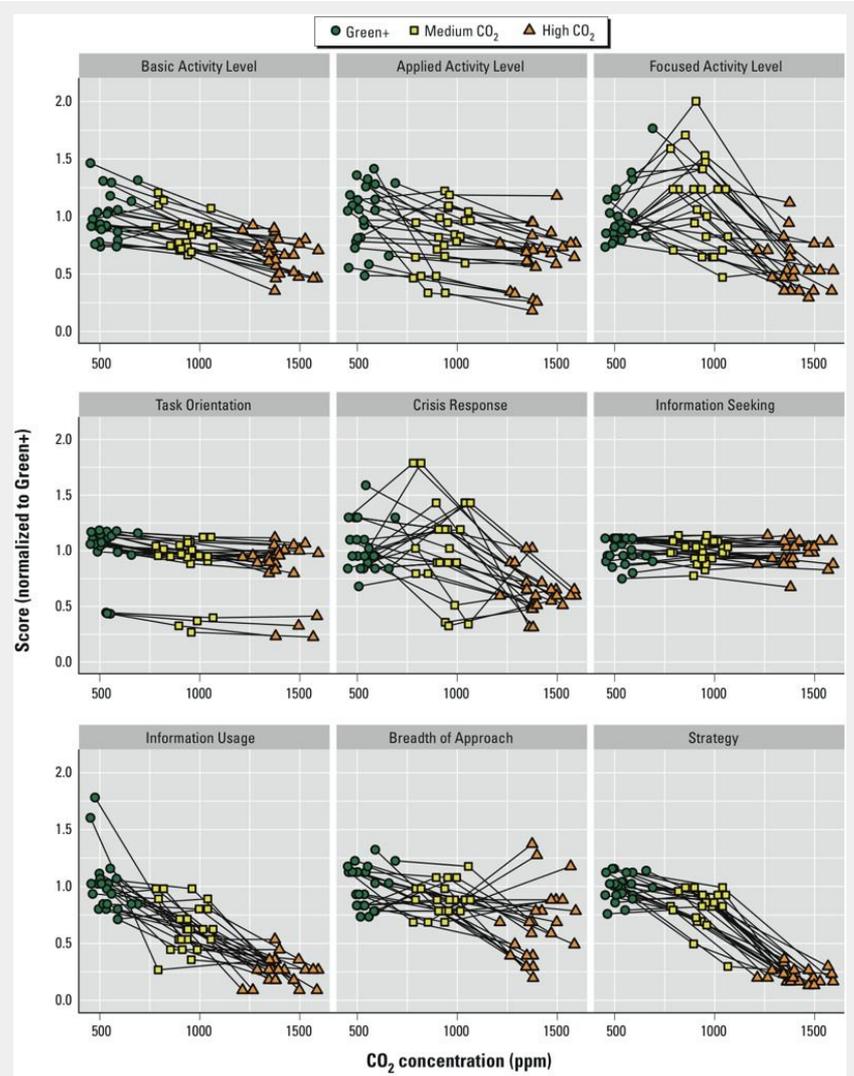
YEAR 2100

- Irving Langmuir
- RCPs
- Life in the Oceans



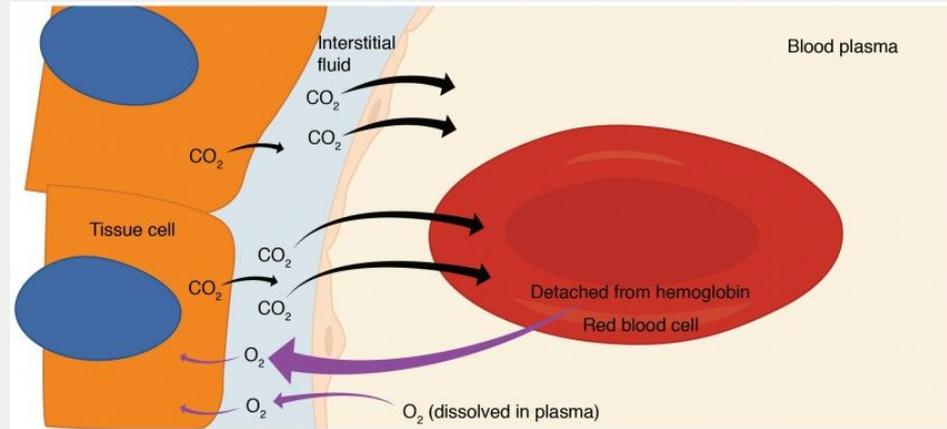
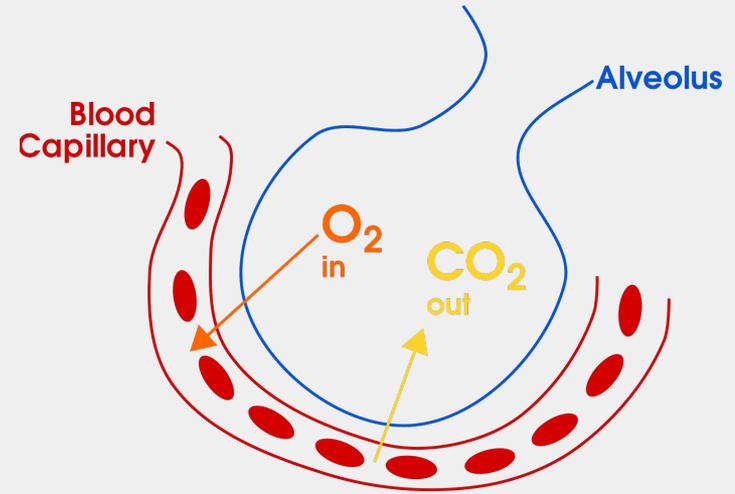
IMPACTS ON HUMANS

- Scott Kelly
- USS Gudgeon
- Mental capabilities
- Osteopenia
- Calcification of Kidneys



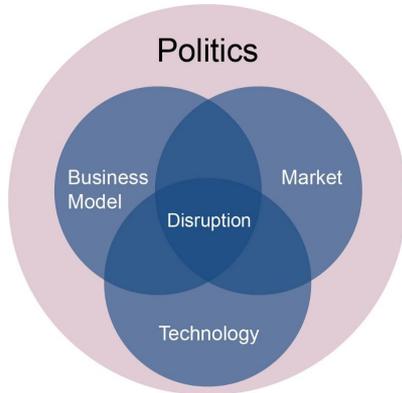
WHY WE BREATHE

- Lake Nyos, Cameroon
- Rule of 3s
- Henry's Law
- Daltons Law
- Bohr effect
- Waste congestion



INSUFFICIENT STRATEGIES

- Leded Fuel
- U.S. EPA
- Paris Agreement
- Earth Overshoot Day
- Fix Accounting
- Disrupting Climate Change



Country Overshoot Days 2021

When would Earth Overshoot Day land if the world's population lived like...

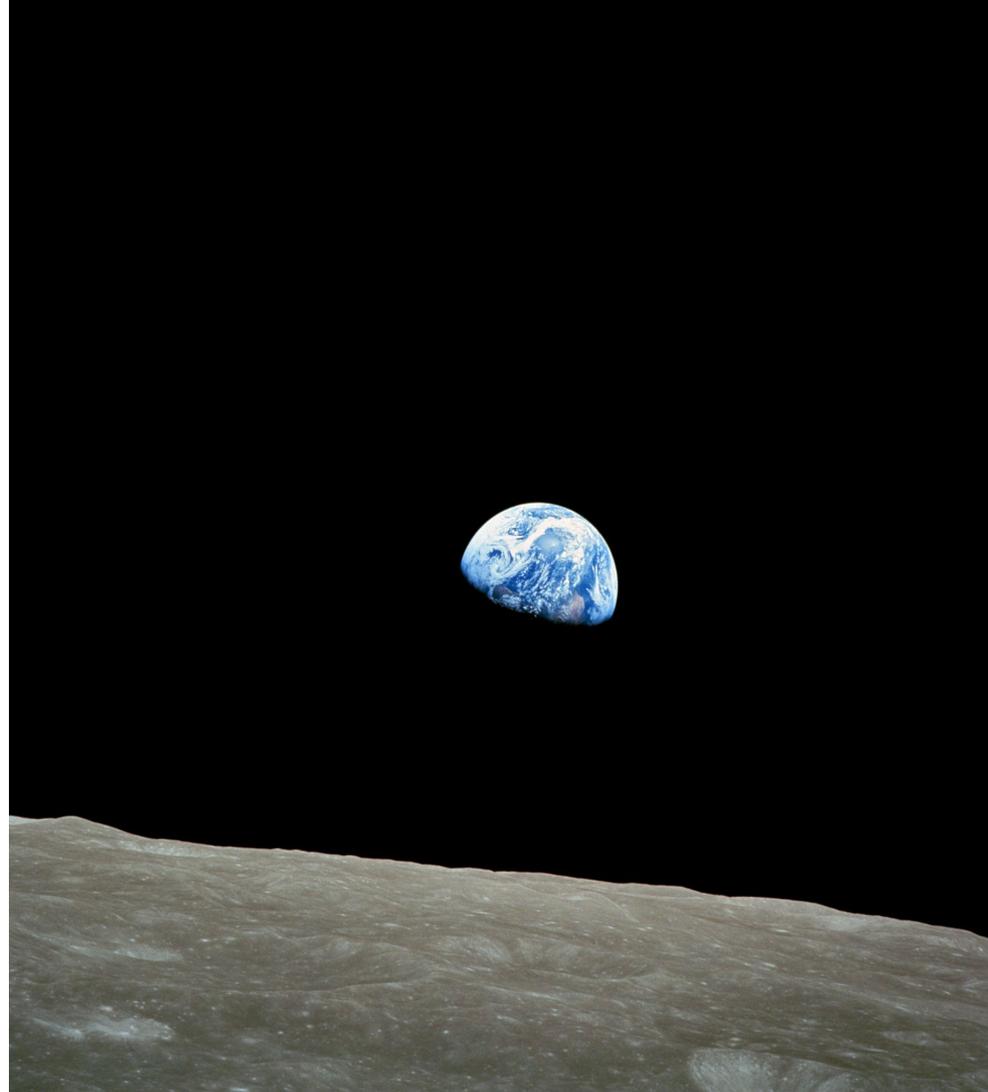


Source: National Footprint and Biocapacity Accounts, 2021 Edition
data.footprintnetwork.org



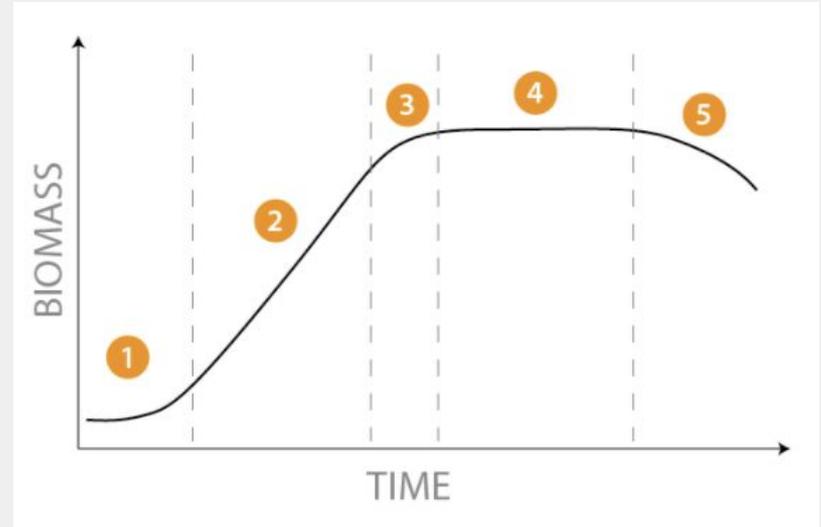
FUSION A MOONSHOT PROJECT

- Apollo missions
- Manhattan project
- Nuclear power
 - Travelling wave
 - Thorium
 - Waste
 - Security
- Fusion
 - Energy 13.789.320 * gasoline
 - 10 Grams -> 1.000.000 miles



BIOFUELS

- Algal Bloom
- Baltic Sea
- Uses of Fossil Fuels
- Infrastructure



- ① Lag phase
- ② Exponential
- ③ Declining growth
- ④ Stationary
- ⑤ Death

DEVELOPING COUNTRIES

- Sahel Zone
- Hindou Oumarou Ibrahim
- 100 Km² Solar
- CO₂ Capture and Use
- Extend the Rule of 3s
 - Water
 - Food
 - Energy
 - Work
 - safety
 - education
 - infrastructure



QUESTIONS?

Kindle Edition

Release Date: **November 15th 2021**

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