

# *Graduation*

*This Fragile Earth, Our Island Home*

Last of 6 Sessions

Interfaith Association of Greater Long Beach NY



# Agenda

- Review
  - Consequences
  - Causes
  - Solutions
- Polls – share
- Comments, Questions
- Survey

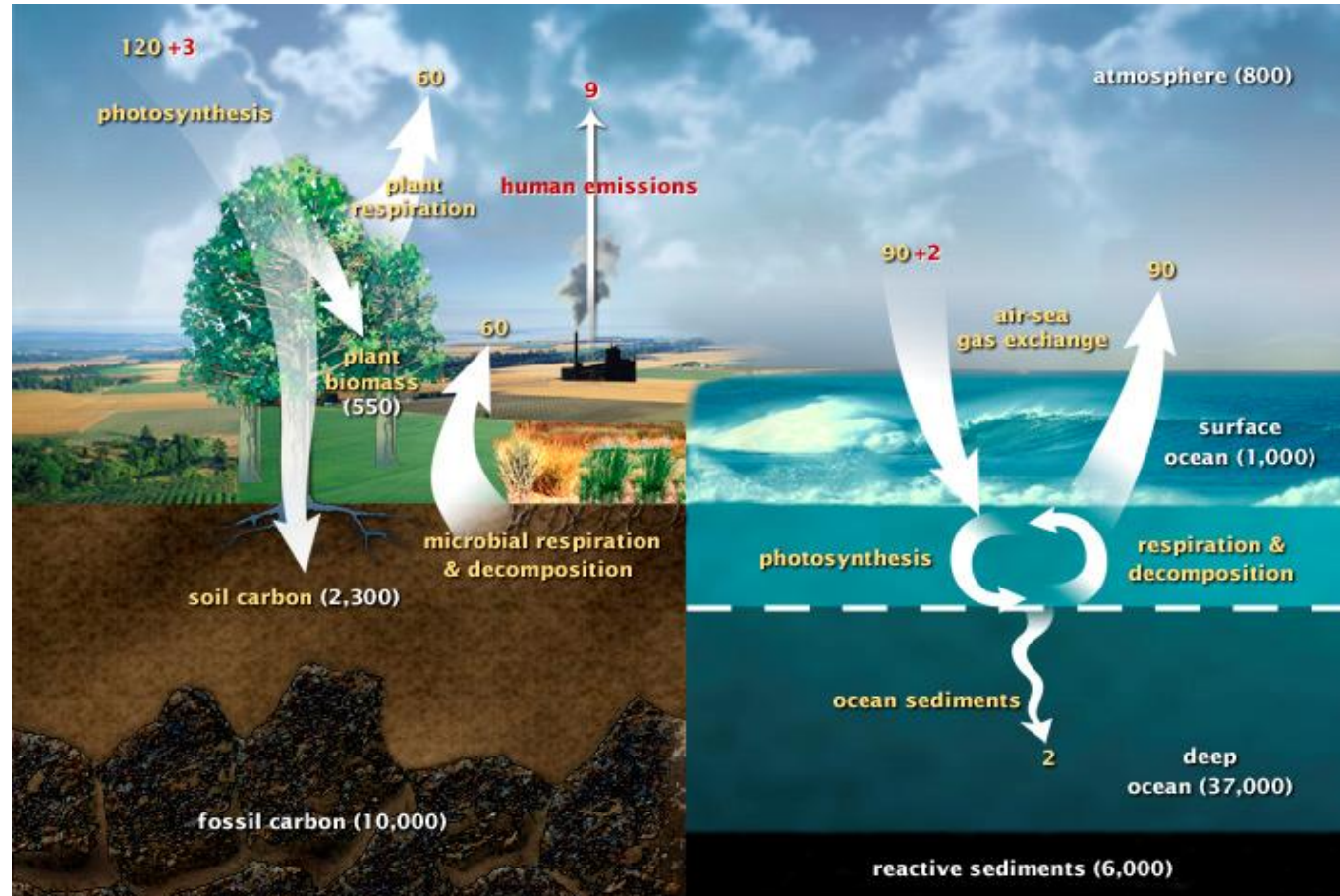


# Consequences if we Do Not Act Boldly

David Attenborough's time line (*A Life on This Planet*)

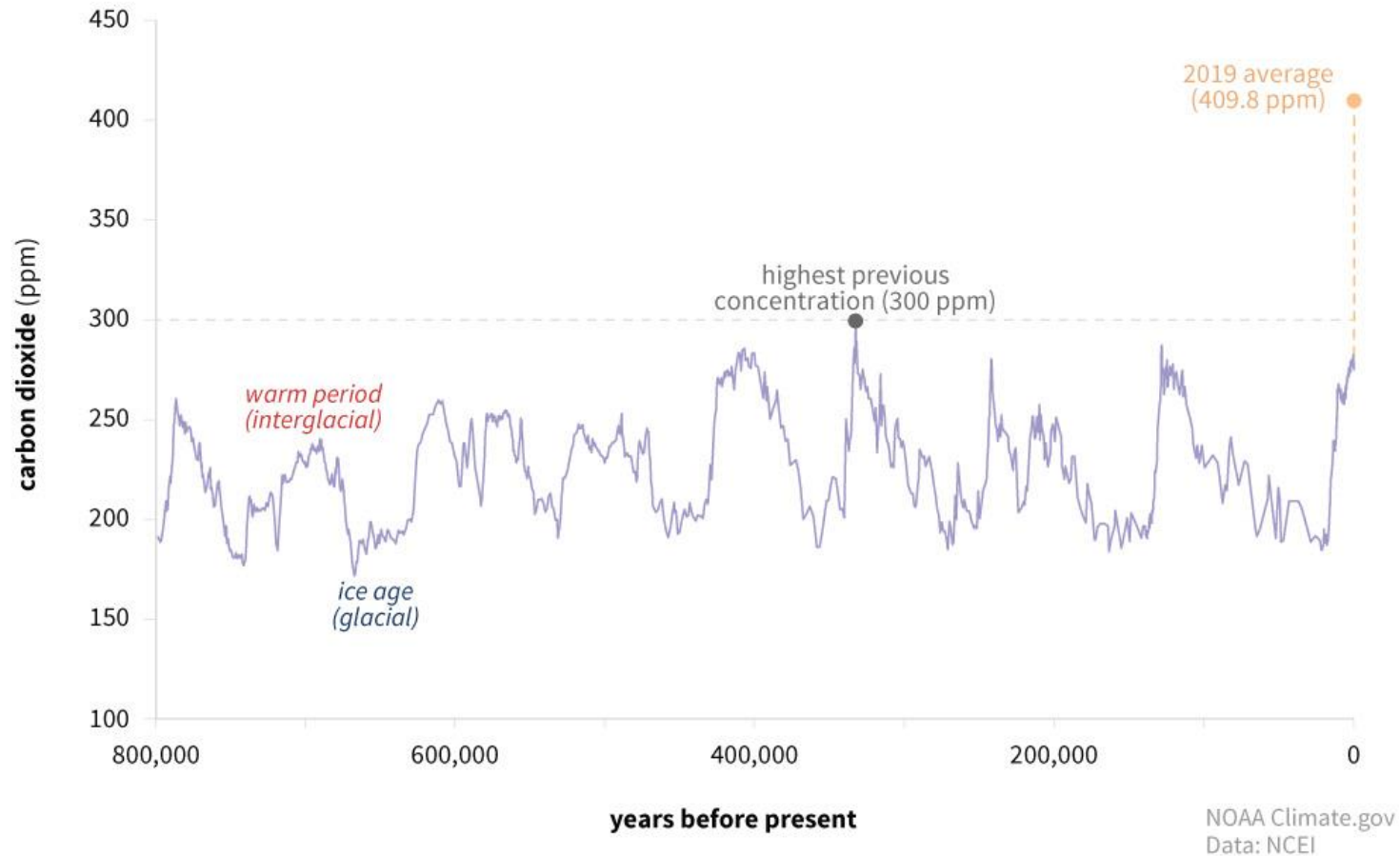
- 2030 – Rainforest lost, arctic ice-free summers, severe economic crisis
- 2040 – Frozen soils thaw, releasing methane
- 2050 Ocean heat > coral reefs die, fish populations crash
- 2080 Food production crashes, pollinators disappear, weather unpredictable
- 2100 – 4 degrees C warmer, large parts of earth uninhabitable, 6<sup>th</sup> massive extinction underway, millions homeless

# Cause: imbalance in the natural carbon cycle – created by human activity



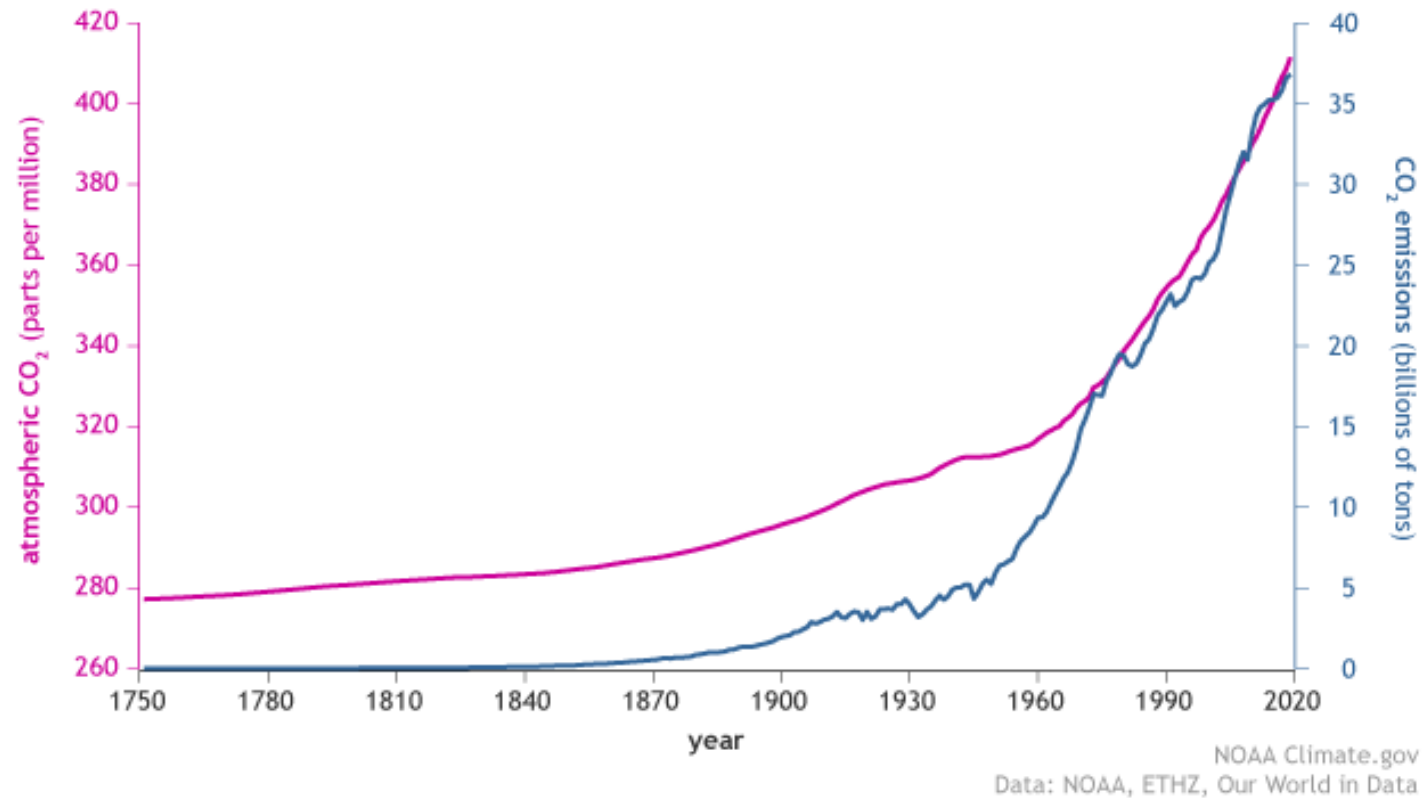
# CO<sub>2</sub> in the Atmosphere

## CARBON DIOXIDE OVER 800,000 YEARS



# CO<sub>2</sub> and other GHGs in the Atmosphere: Skyrocketing because of Human Caused Emissions

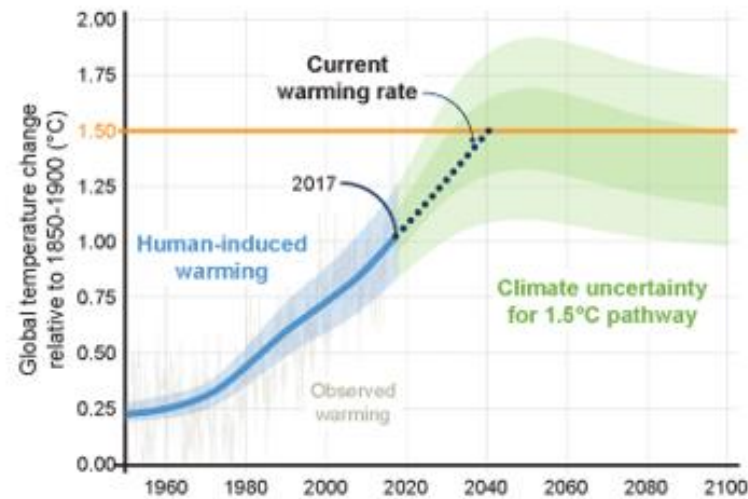
CO<sub>2</sub> in the atmosphere and annual emissions (1750-2019)



# Urgency of Approaching the 1.5°C Threshold

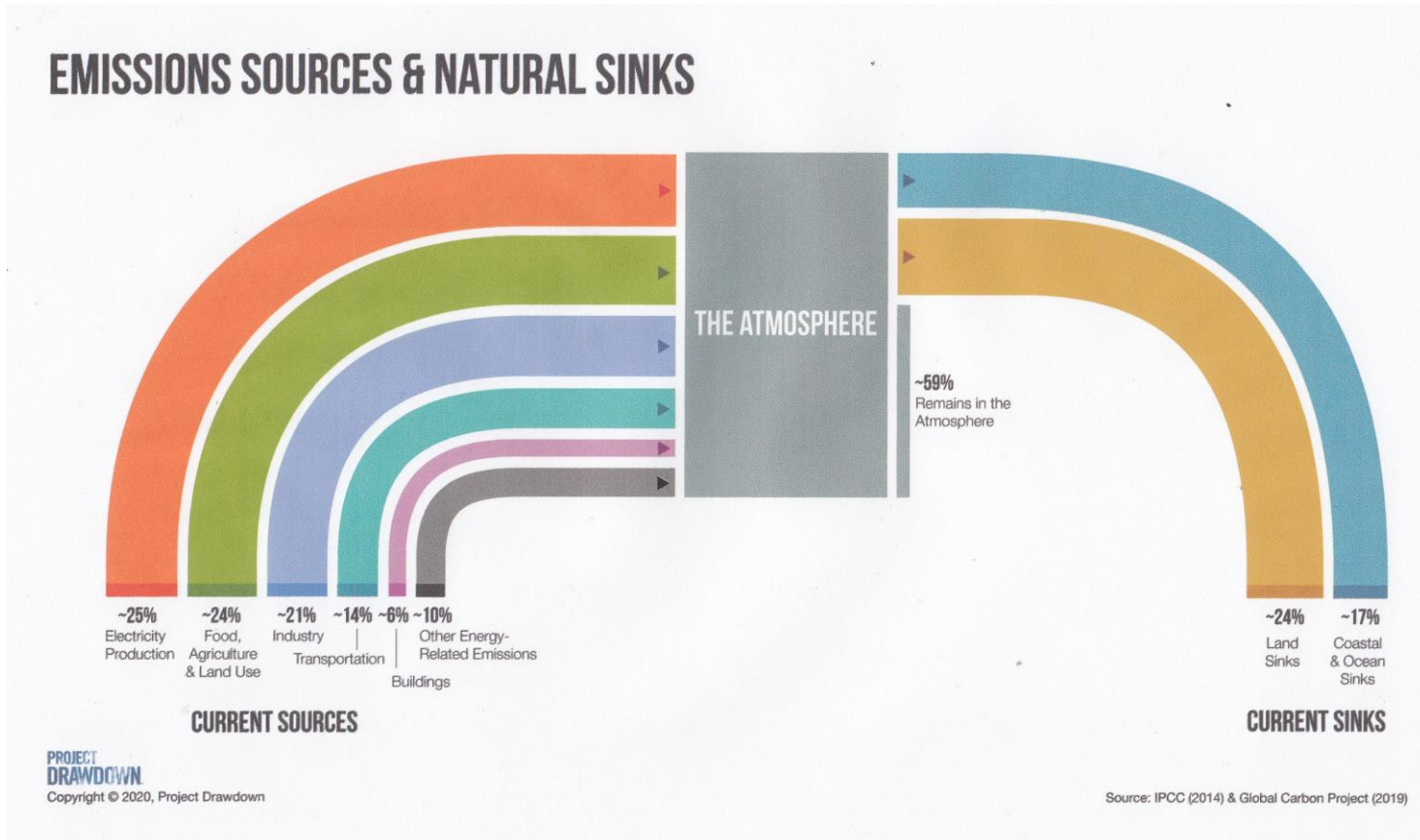
## FAQ1.2: How close are we to 1.5°C?

Human-induced warming reached approximately 1°C above pre-industrial levels in 2017



UN IPCC Special Report  
on Global Warming 2018

# Root Causes > Insight to Solutions

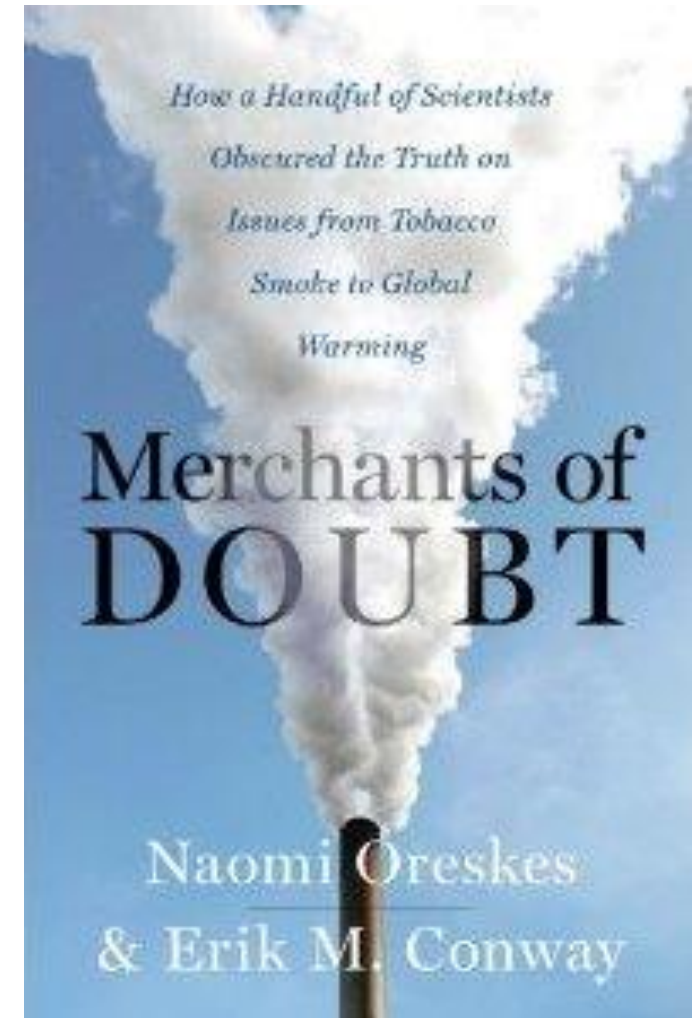


26% generation of electricity  
24% food, agriculture and land use  
21% industry  
14% transportation  
6% buildings

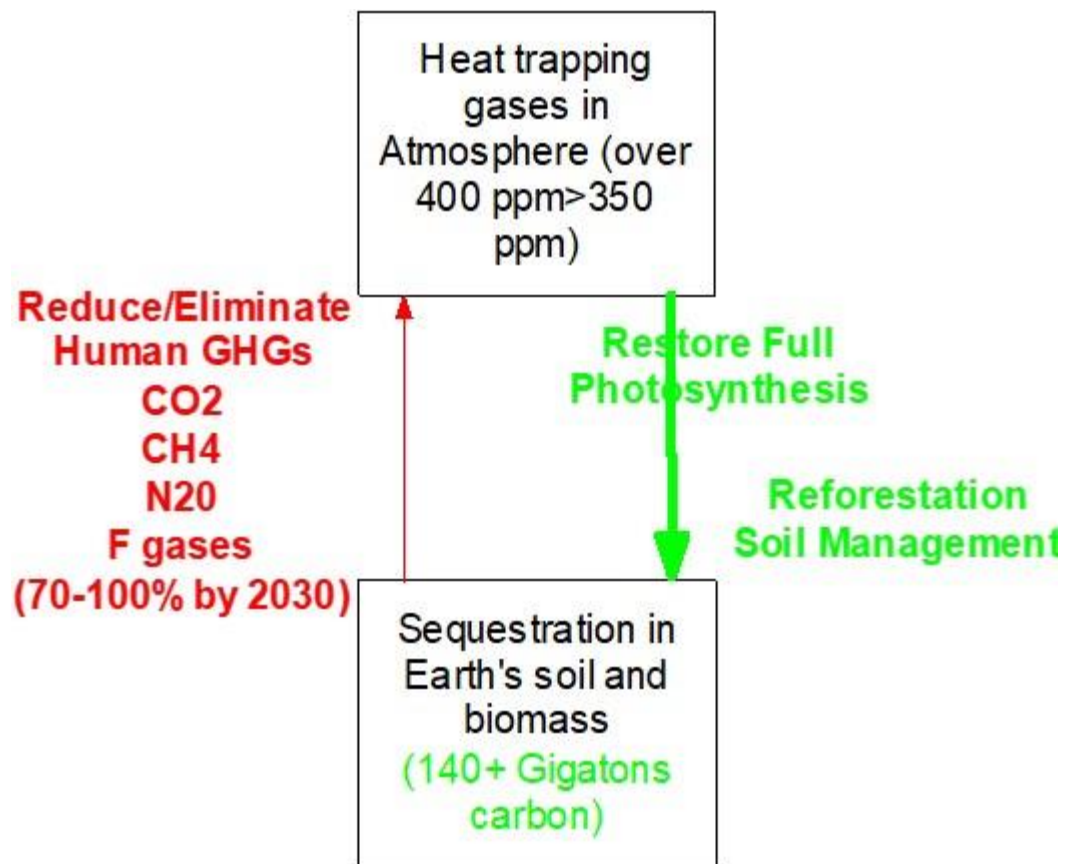


# PS: Big part of problem

- Vested interests -rather kill off life as we know it than leave profits in the ground
- Buy policy makers favor
- Disinformation programs
- Seeming hoards of skeptics and deniers in important places of power and in our neighborhoods



# What needs to happen



- Plant lots of trees
- Reduce Energy Consumption
- Electrify (almost) everything, generate power from non-emitting power sources
- Improve food system
- Finite earth economy
- Abolish corporate personhood

# Bottom Line

- It's Bad
- It's Us
- There are Solutions
- Time is of the Essence

Everyone must do their part

- Each of us
- Governments at all levels - acting to take advantage of their position and leverage

# Empowering ourselves to act

Polls to share views on

1. Priority actions in our Realms
2. Areas for action
3. Use of tools
4. Need for plans
5. Priority for government actions
6. Importance of Government policies/solutions
7. Preferred means of action with Government



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# We need your feedback

Please take brief survey when you leave the webinar

Thank you

