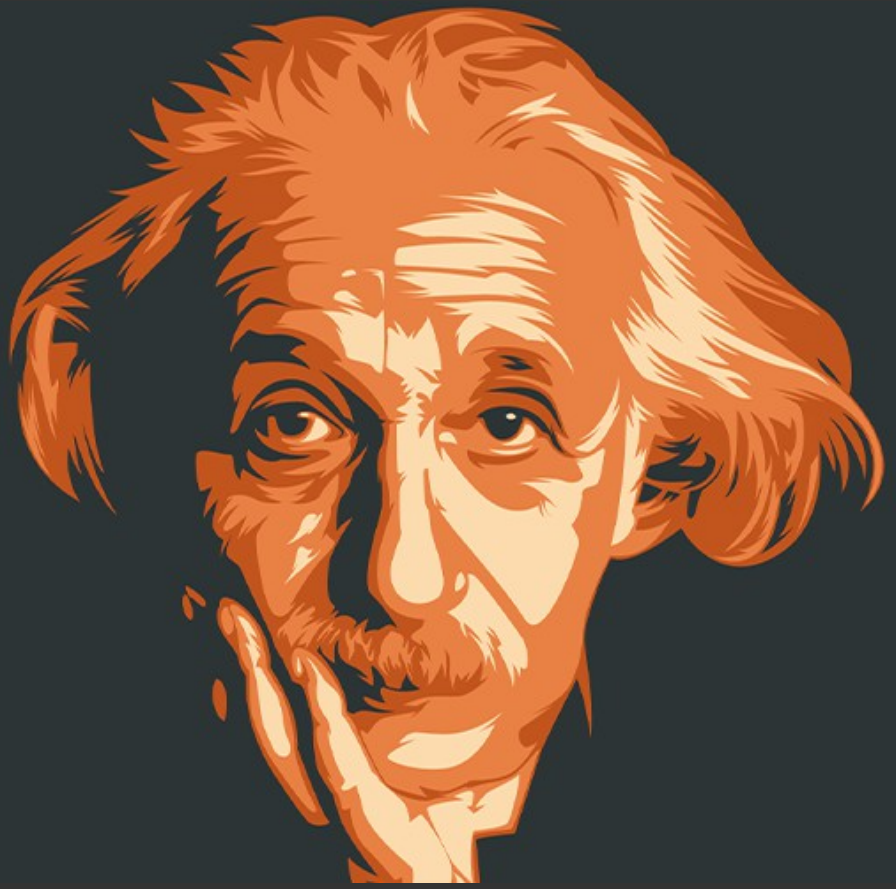
Climate / Ecological Crisis: false solutions

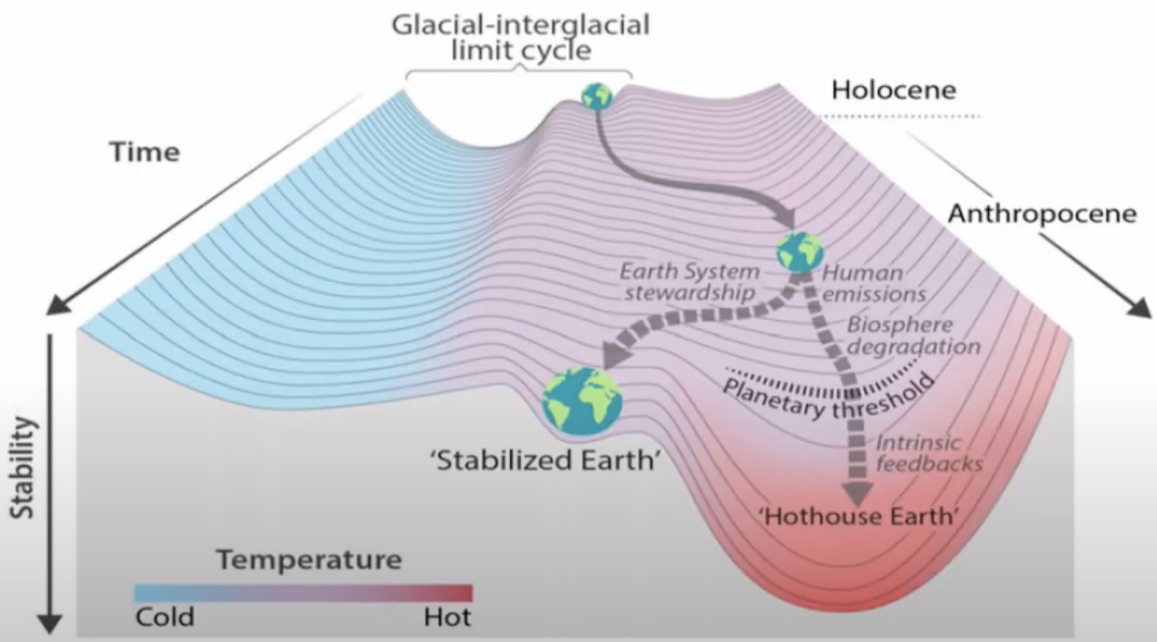
We cannot solve our problems with the same thinking we used when we created them.

Albert Einstein

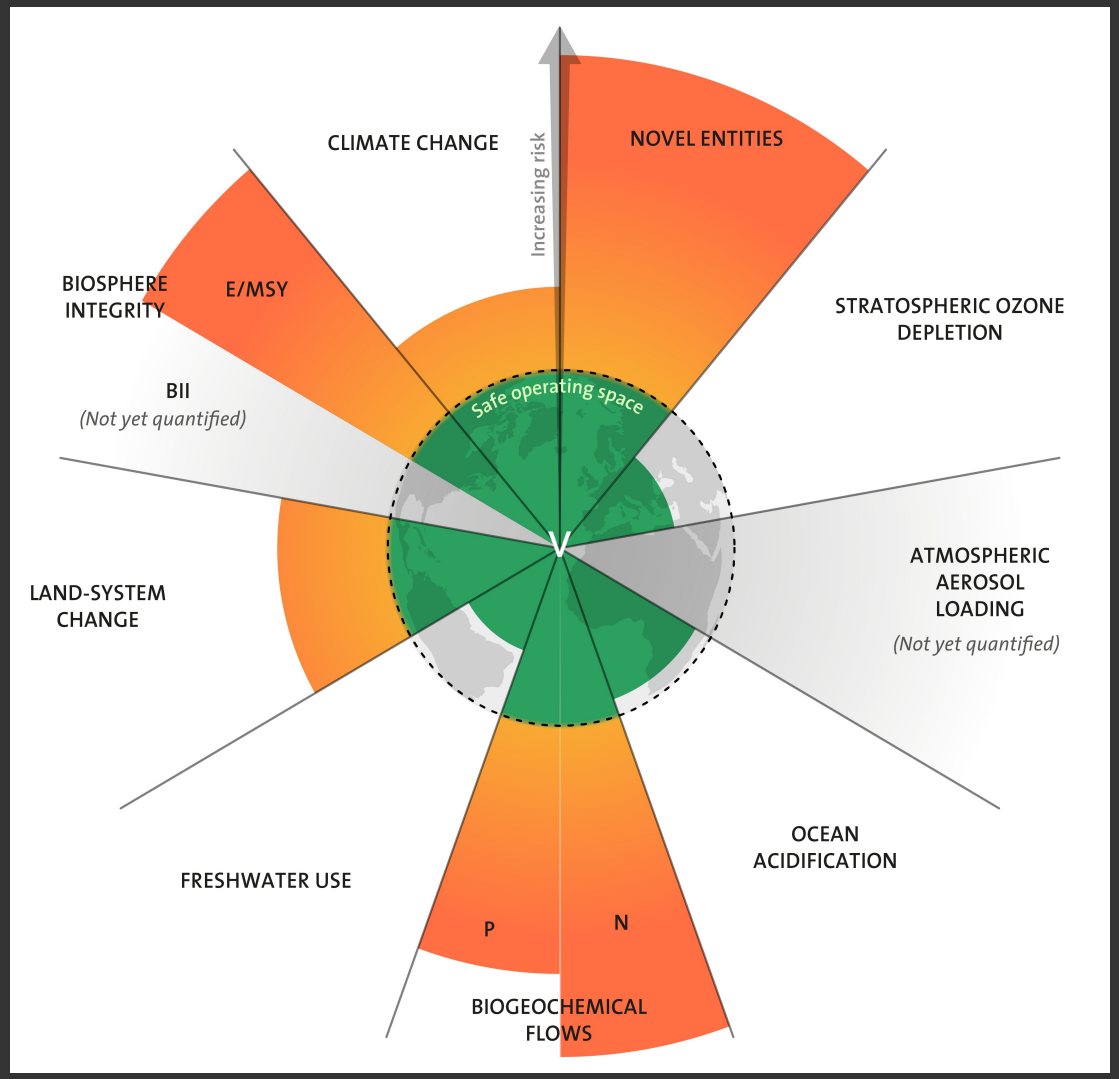


Climate / Ecological Crisis: false solutions

What is the problem?



Climate / Ecological Crisis: false solutions



What is the problem?

Stefan Gua • CARES 2022

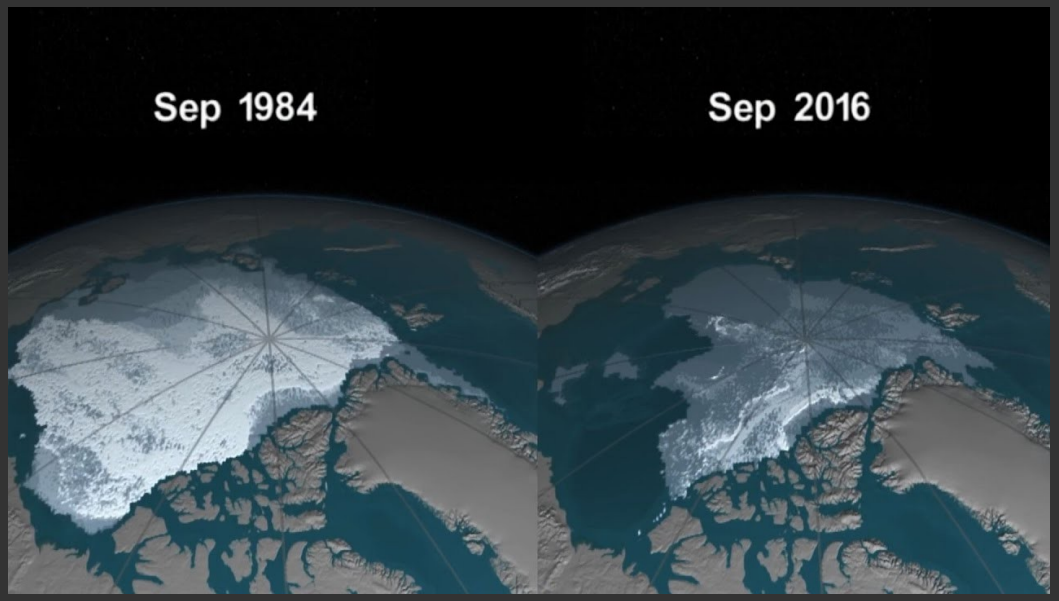
Climate / Ecological Crisis: false solutions

Euthrophication (biochemical flows)

https://www.youtube.com/watch?v=5Nl06cug_hU

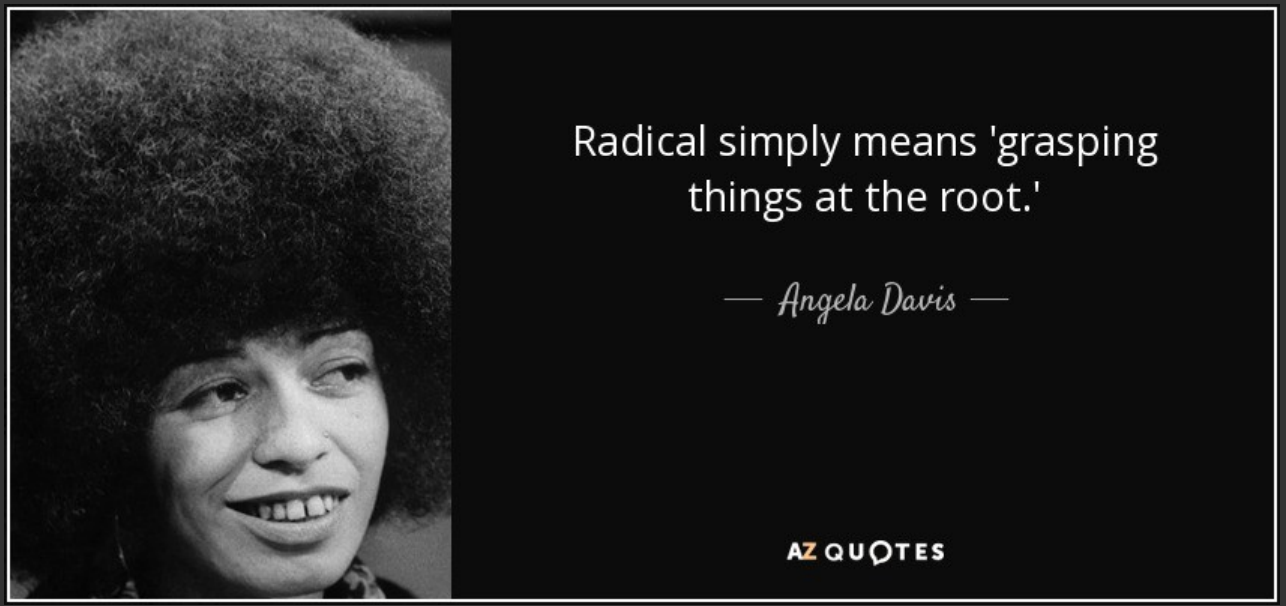
Climate / Ecological Crisis: false solutions

Global warming & climate Change!



https://www.youtube.com/watch?v=hIVXOC6a3ME

Climate / Ecological Crisis: false solutions



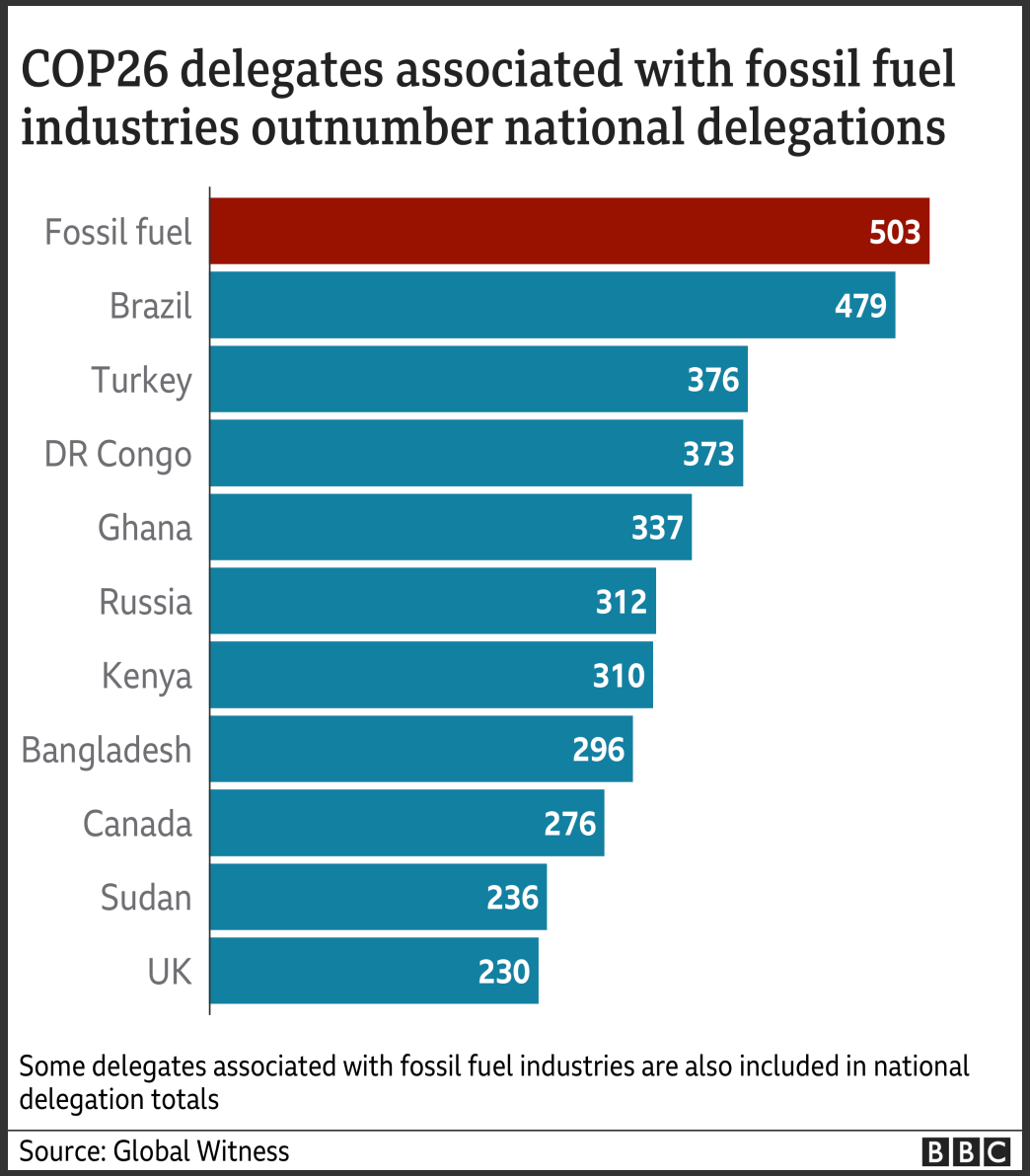
Climate / Ecological Crisis: false solutions

COP process is a failure

Unable to grasp the issue at the root.

Stefan Gua • CARES 2022

Climate / Ecological Crisis: false solutions



COP process is a failure

Trapped by Fossil Fuel Lobby

100 companies*** responsible for 71% global emissions

Stefan Gua • CARES 2022

Climate / Ecological Crisis: false solutions

COP process is a failure

- No binding agreement – The only *'binding*' instrument was the Kyoto protocol (in force-2005 – revised in 2012)

Largest historical emitter USA (25%) not signed in
Fastest growing emitter China (14%) not committed

Kyoto Protocol – Carbon trading

Climate / Ecological Crisis: false solutions

COP process is a failure

• No binding agreement – Paris Agreement is not legally binding
Lies on NDCs (Nationally Determined Contributions).

+More differentiate approach of countries.

3.5 °C increase by 2100 (combined NDCs)

NDCs revised each 5 years

US retrieval from Paris Agreement...

-

Climate / Ecological Crisis: false solutions

Johan Rockström

Need to decrease CO2 emission :

by 5% annually (50% chance of staying below 1.5)
By 10% annually (70% change of staying below 1.5)

Climate / Ecological Crisis: false solutions

COP process is a failure

• COP26 Scotland
- Loss and damage failure
- Succeed in fixing target to 1.5°C
- Recognize urgency | fossil fuel responsibiity no commitment
- Reaffirm market based approach
- Geared towards technological fix

la ministre française des Armées Florence Parly a annoncé "l'adoption aujourd'hui par les ministres de la défense de 22 pays d'une initiative proposée par la France" pour "lancer au niveau international une dynamique pour que les armées, à travers le monde, soient des acteurs engagés de la lutte contre le réchauffement climatique".

Climate / Ecological Crisis: false solutions

COP process is a failure

- In 2021, GMST (was 1.11 ± 0.13 °C warmer than the pre-industrial baseline (1850-1900).
World Meteorological Organisation

- *Human-induced warming increase at 0.2°C (likely between 0.1°C and 0.3°C) per decade (IPCC 2021)*

- *50:50 Chance of Global Temperature Temporarily Reaching 1.5°C Threshold in Next 5 Years (UNFCCC)*

Climate / Ecological Crisis: false solutions

COP process is a failure

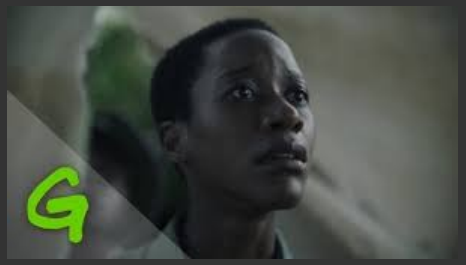
- *Not binding with no international legislation of ecological/environmental crimes (ECOCIDES).*
- *Military sector not accounted in global emission.(6%)*
- *Maritime Industry do not fall under NDCs. (3%)*

Climate / Ecological Crisis: false solutions

Net zero or carbon offset

Climate / Ecological Crisis: false solutions

Net zero or carbon offset



https://www.youtube.com/watch?v=eYScY6QQBSM&t=20s

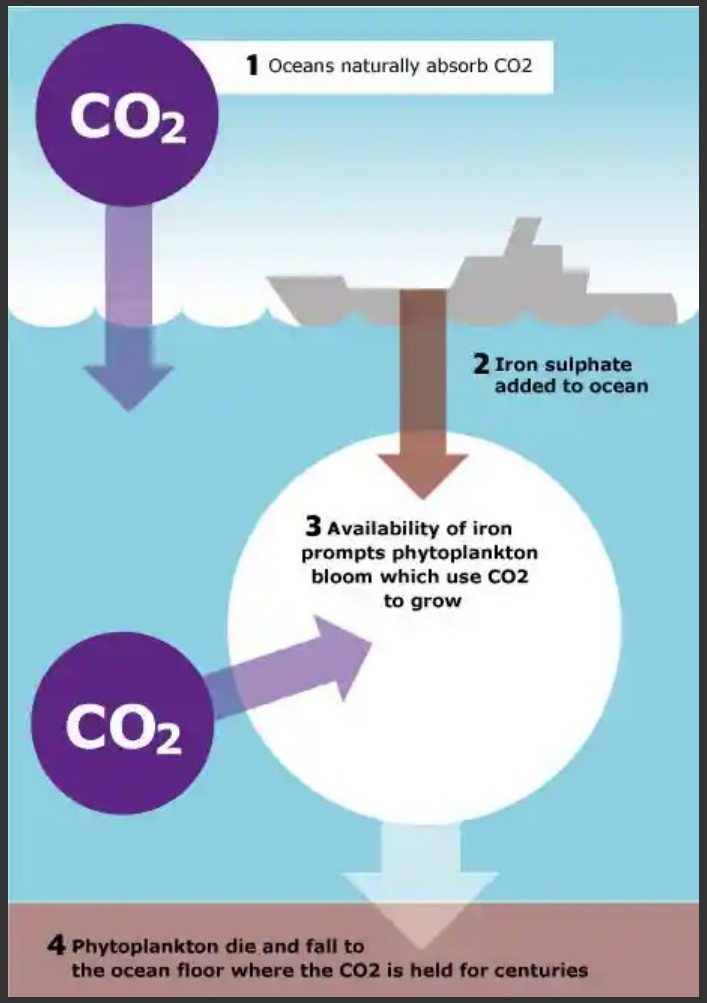
Climate / Ecological Crisis: false solutions

Technofix

Technological solutions :

- Electric cars (social & environmental cost – Chile Case study)
- Geoengineering – do not compound ecosystems interconnection

Climate / Ecological Crisis: false solutions



Climate / Ecological Crisis: false solutions

(© Robert Wallis/Corbis/Getty Images)

COP contradictions = Capitalist contradictions

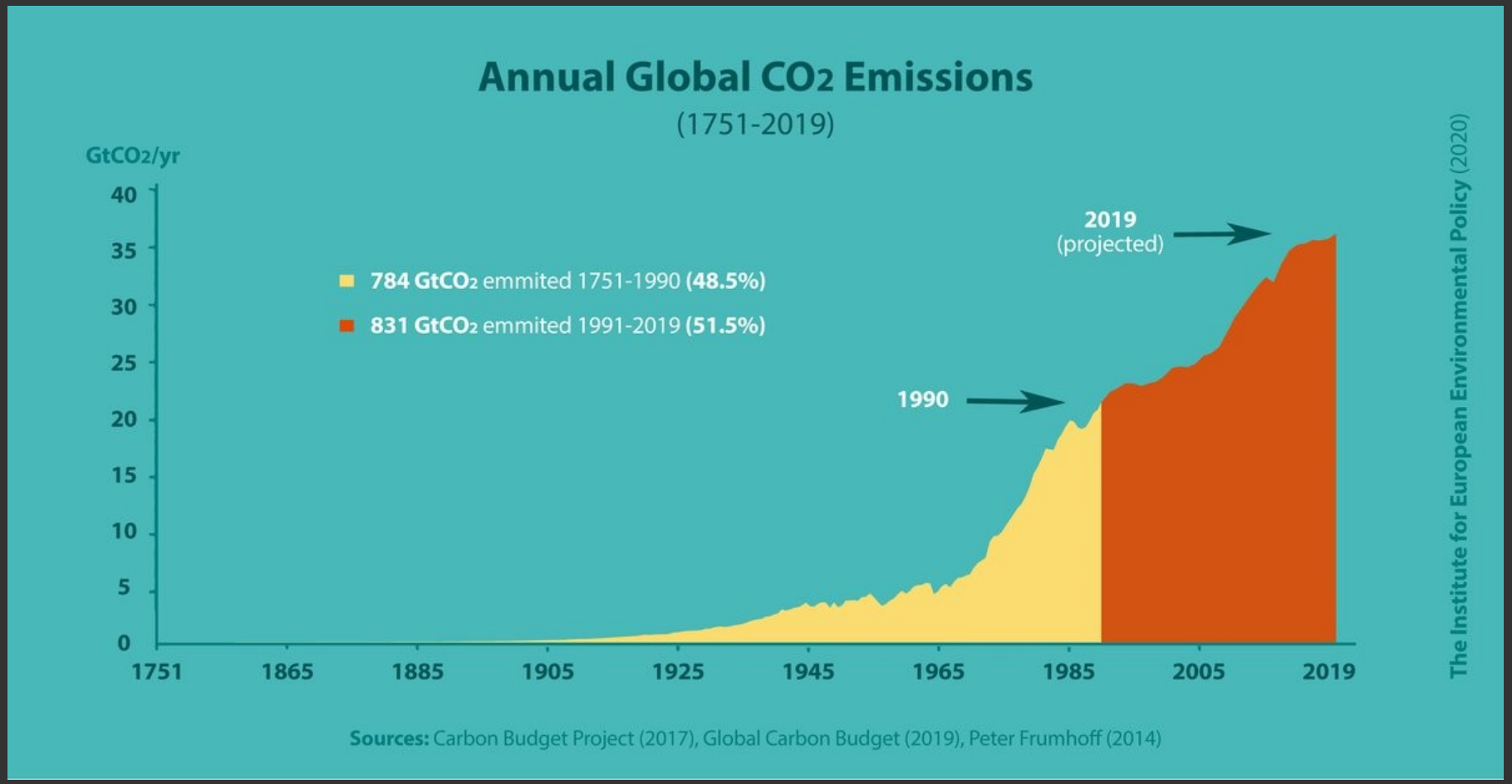
- 1988 James Hansen testimony before US Congress
- IPCC formation
- 1989 Berlin Wall falls

Climate / Ecological Crisis: false solutions

COP contradictions = Capitalist contradictions

- 1992 – NAFTA
- 1994 - WTO

Climate / Ecological Crisis: false solutions



Climate / Ecological Crisis: false solutions

Myths

- Overpopulation

The world's richest half-billion people are responsible for 50 percent of the world's carbon dioxide emissions. (Sierra Club)

CO2 emissions & population (2016)

Canada – 675,918,610 (tons) | Pop : 36,382,944
Tanzania - 6,564,773 (tons) | Pop : 78,789,127

Climate / Ecological Crisis: false solutions

Myths

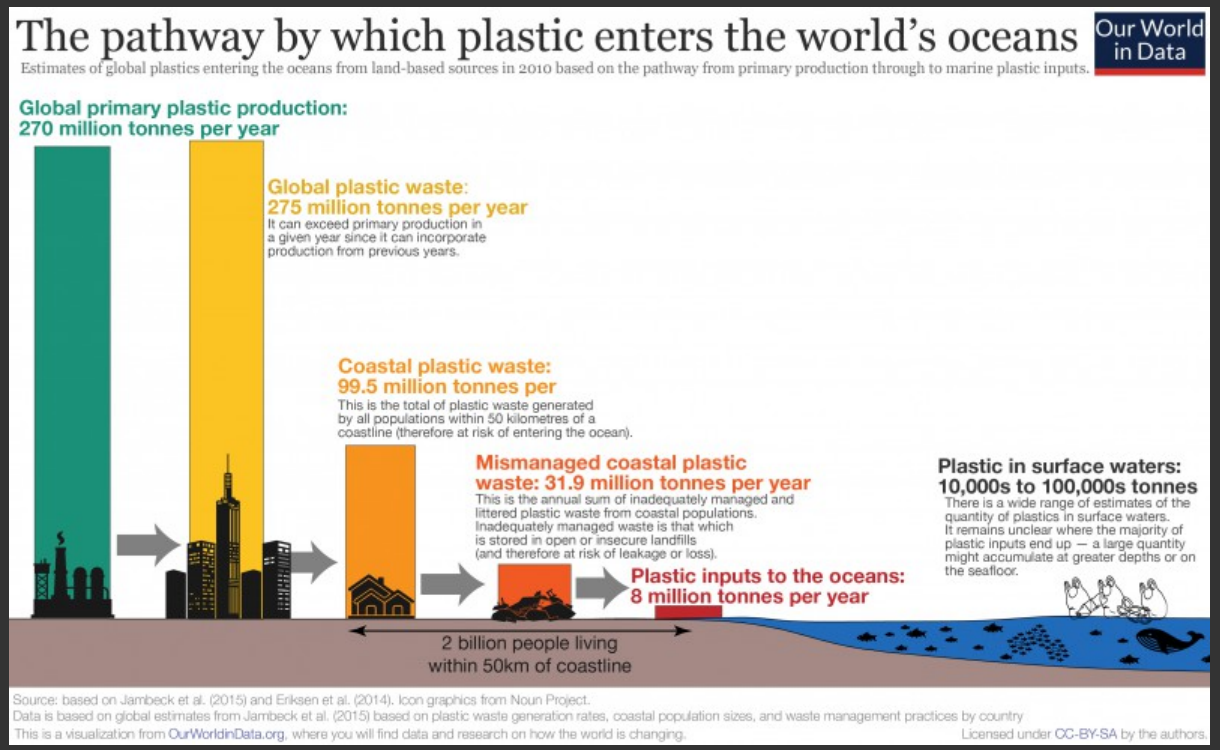
• Behaviourism
How do we change a global crisis through individual behaviour?

Laws?
Boycott? (social beings vs consumer)
Changing diet?

Climate / Ecological Crisis: false solutions

Myths

- Recycling plastic.



Climate / Ecological Crisis: false solutions

Myths

• Recycling plastic.

4 laws of ecology :

1) Everything is connected to everything else;
2) Everything must go somewhere;
3) Nature knows best; and
4) There is no such thing as a free lunch.

9% plastic recycled yearly

Cumulative CO2 emission:
https://ourworldindata.org/contributed-most-global-co2

Comparative global climate trends
https://climate.nasa.gov/vital-signs/global-temperature/

Brief history of climate change
https://www.bbc.com/news/science-environment-15874560

Daniel Tanuro surla COP26
https://www.contretemps.eu/cop26-tanuro-climat-capital-energie-fossile/

James Hansen article in the Guardian
https://www.theguardian.com/environment/2018/jun/19/james-hansen-nasa-scientist-climate-change-warning

Plastic recycling scam
https://time.com/6173859/plastic-recycling-big-oil-damage/

Comprehensive article on the Green Climate Fund
https://www.nature.com/articles/d41586-021-02846-3

Ecocide law
https://ecocidelaw.com/

Marx and the global environmental rift
https://www.greenleft.org.au/content/marx-and-global-environmental-rift