Ecological Overshoot: "The good news"

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January 8, 2024 – Peak Oil Chat

What is the problem?

And what is holding us back from responding meaningfully to the problem?

Correction by design or disaster?

If we burnt all the fossil fuels... >1222 ppm

https://pubs.rsc.org/en/content/articlehtml/2024/ea/d3ea00107e

RCP8.5

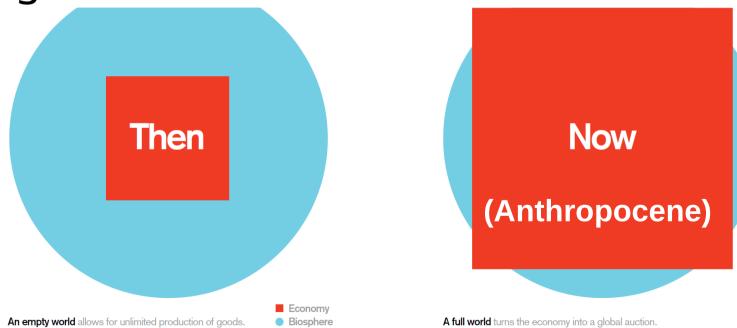
Upton Sinclair (~ 1920)

It is very hard to understand, if your salary depends on not understanding.

To be effective information needs to be...

empowering factual relevant

New Context: This changes the rules of the game





Conditions



Outcome

climate biodiversity nutrients land & oceans ozone layer no pollutants water no acidification

Regeneration

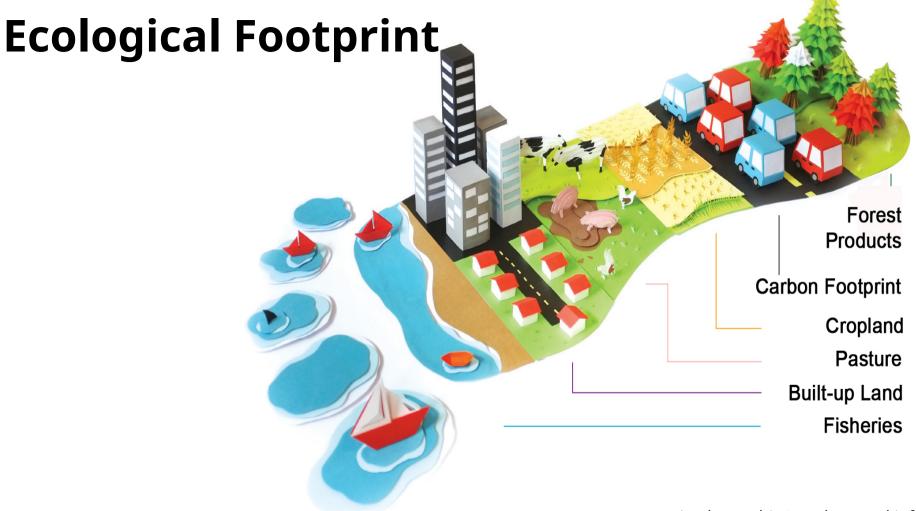
The Essence: Regeneration

- 1. Biological resources
- 2. Fossil fuel use emissions are limited by regeneration
- Minerals and ores extraction and concentration is limited by regeneration (energy & ecosystems depletion)

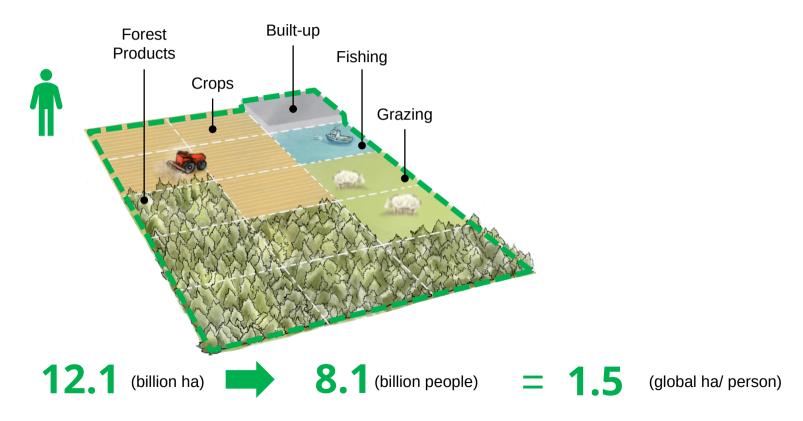
The lens of analysis:

Competition for regeneration

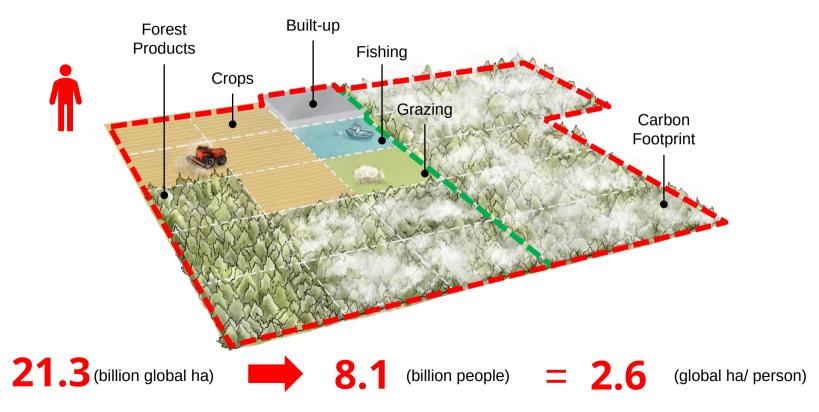
(or biologically productive



Our biocapacity per person in the world (2024)



Our global Ecological Footprint per person (2024)



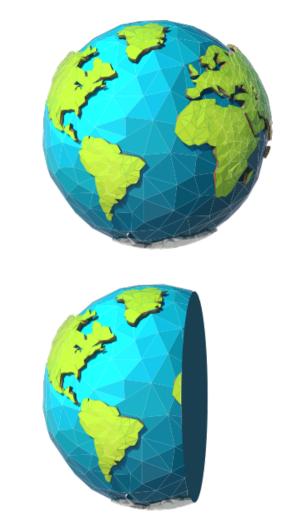


demand = 1.7 regeneration

During 2024, humanity is using **1.7 Earths.**

Therefore in 2024, Earth Overshoot Day fell on **August 1**.





To preserve biodiversity, ecologists suggest using only **0.5 Earths.**

This is three times less than our current demand.



data.footprintnetwork www.footprintnetwork www.overshootday.org presentation by mathis@wackernagelinfo



Which assets will hold value in the predictable future?

THIS VITAL PART OF THE FUTURE HAS NEVER BEEN MORE PREDICTABLE:

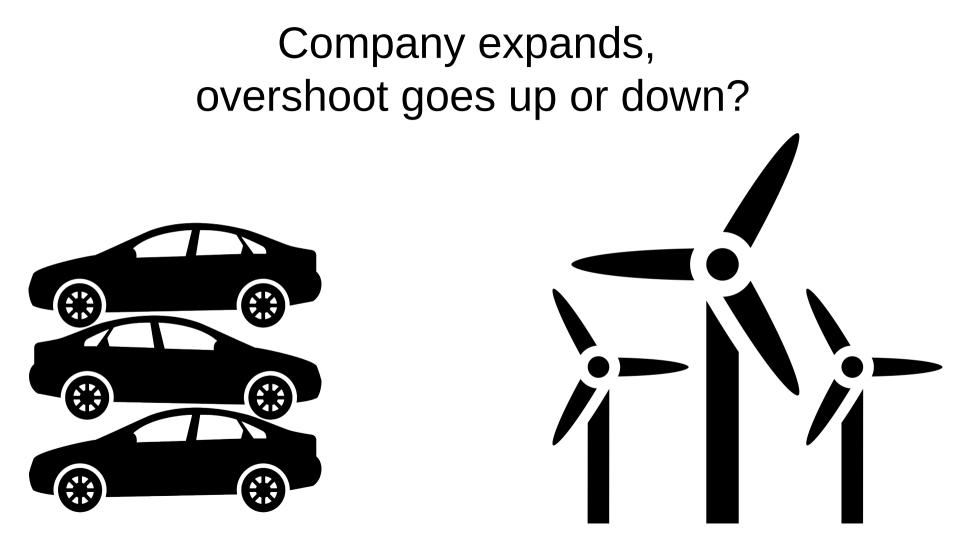
IN ANY IMAGINABLE SCENARIO, THERE WILL BE MORE CLIMATE CHANGE & RESOURCE CONSTRAINTS.

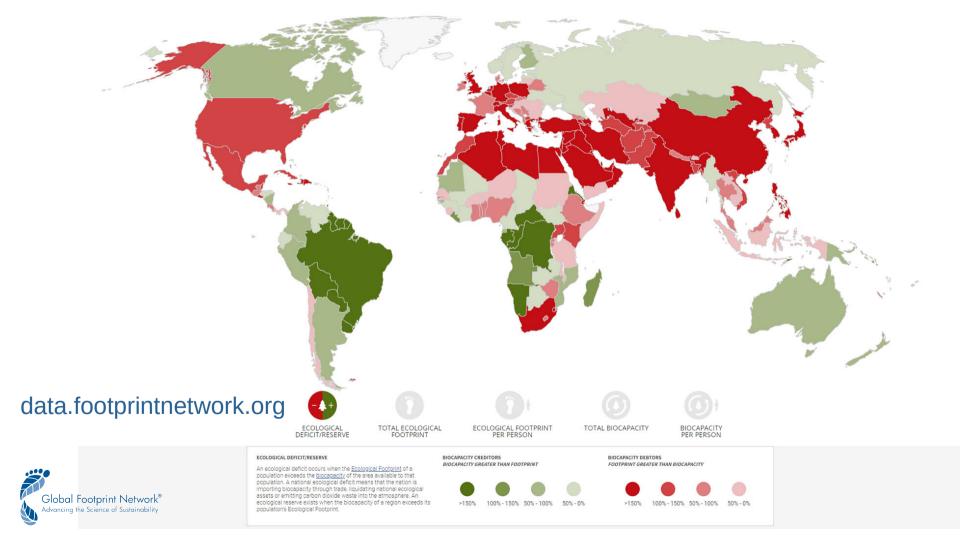
SO, WHICH ASSETS WILL HOLD VALUE?

Assets that drive down overshoot as they expand will gain value

Because

- *1. They will not run into resource constraints*
- 2. Their costs will be lower
- 3. They will be needed more





Essence and next bridge to cross

• Overshoot is context

- NO downside for better understanding future
- Barrier: Help people see their self interest in responding to overshoot.

For contact and more background: www.wackernagel.info

