From sustainability to regeneration: Which numbers count?

Mathis Wackernagel, Ph.D.





"Inconvenient Truth?"



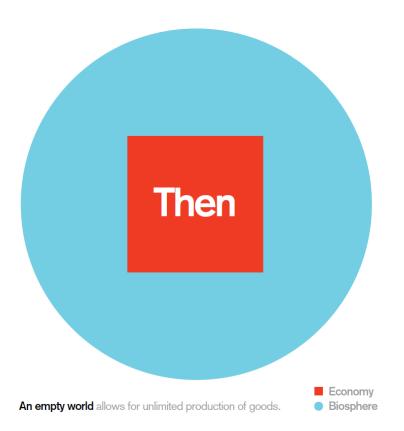
The future has never been more predictable: with more climate change, fewer ecological resources, and less to zero fossil fuel.

Can you afford not to be ready for the predictable future?



The rules of the game have changed.

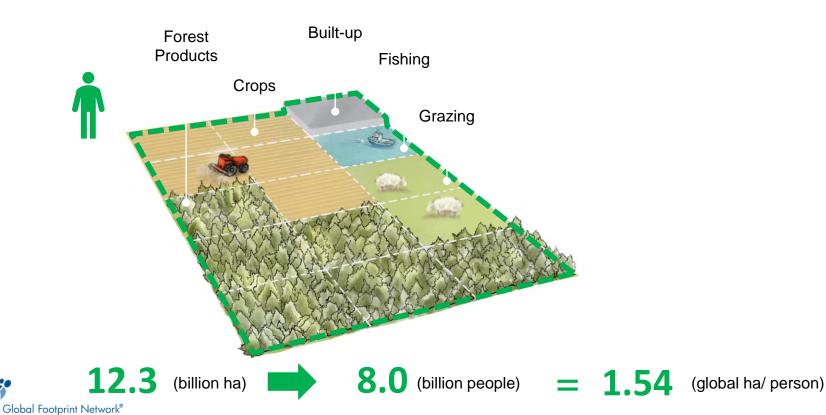
Overshoot





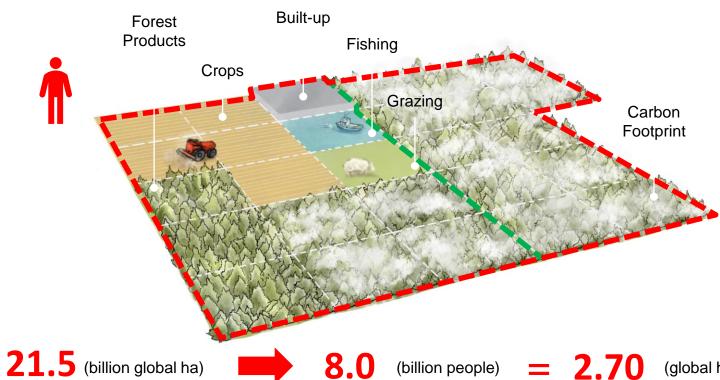
A full world turns the economy into a global auction.

Our biocapacity per person in the world (2022)



Advancing the Science of Sustainability

Our global Ecological Footprint per person (2022)



Global Footprint Network® Advancing the Science of Sustainability

(global ha/ person)

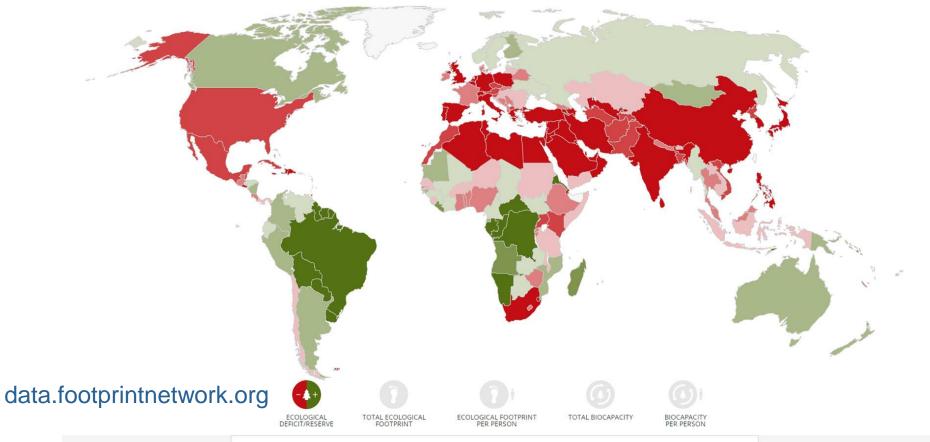
In 2022, humanity was using 1.75 Earths.

Therefore in 2022, Earth Overshoot Day fell on **July 28**.











ECOLOGICAL DEFICIT/RESERVE

An ecological deficit occurs when the <u>Ecological Footprint</u> of a population exceeds the <u>biccapacity</u> of the area available to that population. A rational ecological deficit means that the nation is importing biccapacity through trade iliquidating national ecological assets or emitting carbon dioxide waste into the atmosphere. An ecological reserve exists when the biocapacity of a region exceeds its population's Ecological Footprint.

BIOCAPACITY CREDITORS BIOCAPACITY GREATER THAN FOOTPRINT









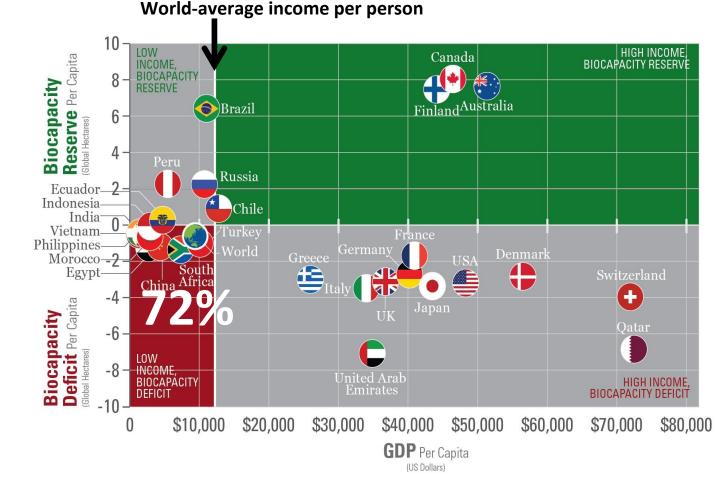
BIOCAPACITY DEBTORS FOOTPRINT GREATER THAN BIOCAPACITY







>150% 100% - 150% 50% - 100% 50% - 0%

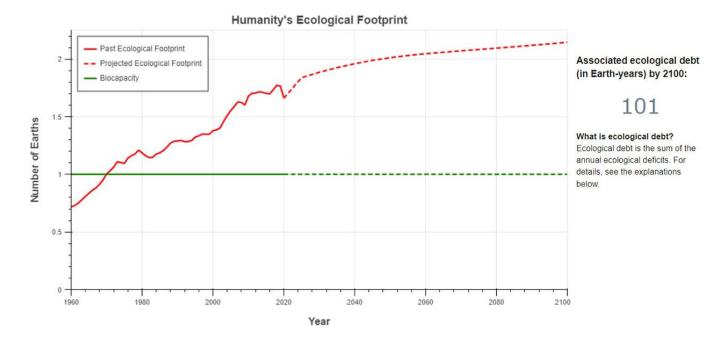


\$ Financial Resources

Resources

Biological

Wackernagel et al 2021 Nature Sustainability



www.footprintnetwork.org/ resources/footprintscenario-tool



Years until change is fully implemented:
5 ▼
Ecological Footprint per capita: 2.77
Currently, humanity's Ecological Footprint is approximately 2.77 global hectares per person.
Learn more about Ecological Footprint here
1

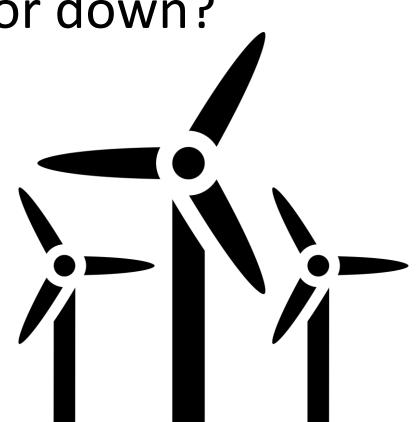
When your company expands, does global overshoot go down?

If so, the likelihood of your company gaining in value in the predictable future is far higher.



Company expands, overshoot goes up or down?





More Interzero, less global overshoot.

2.5

WORLD

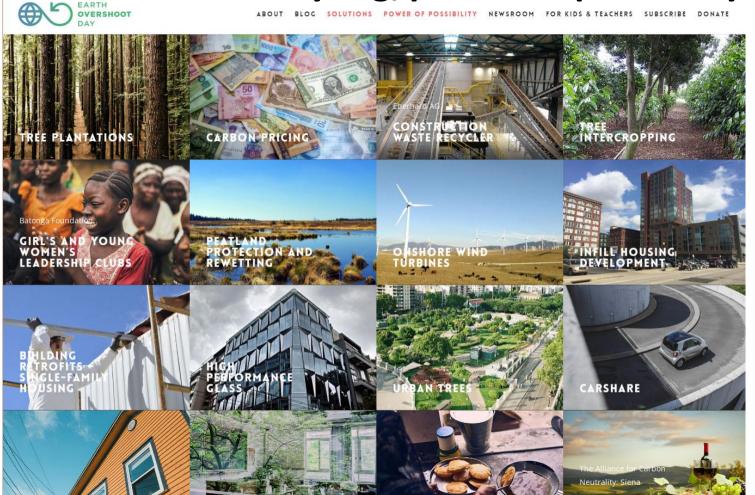
INTERZERO

global m²
biologically
productive
planet surface
per € value-add

-28 global m² per Euro

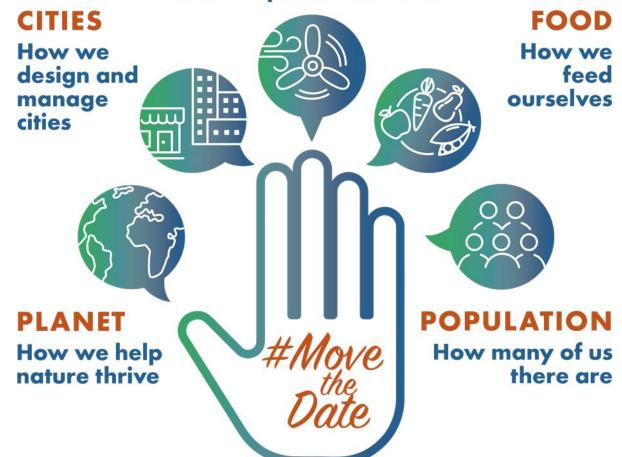


www.overshootday.org/power-of-possibility



ENERGY

How we power ourselves







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www.footprintnetwork.org/TOOLS

