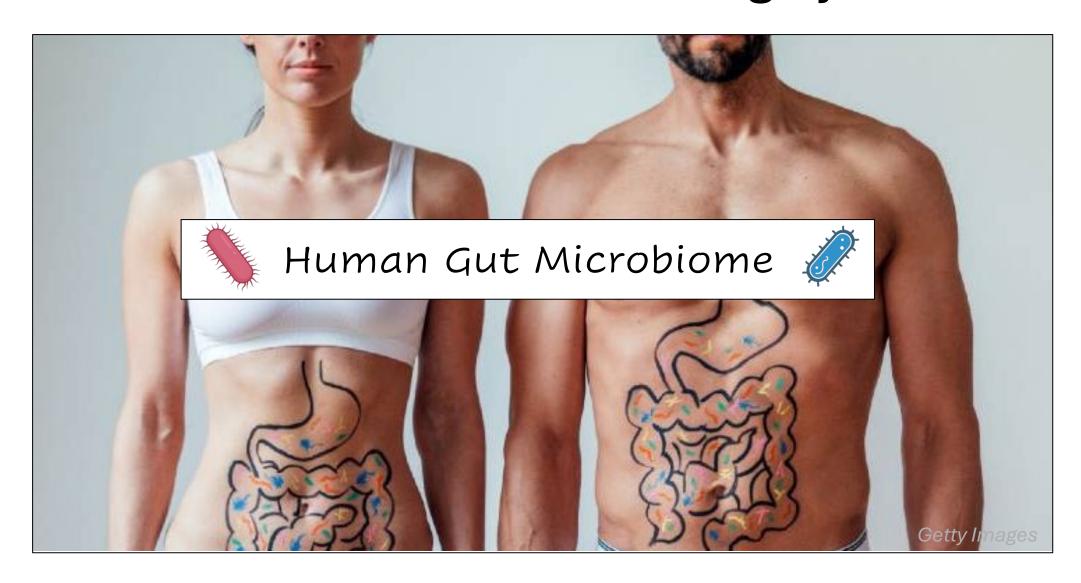


HBO ORIGINAL STREAMING JAN 15 HEOMAX

Some microbes cause disease, <u>BUT</u> ...



... but microbes can also be hugely beneficial.



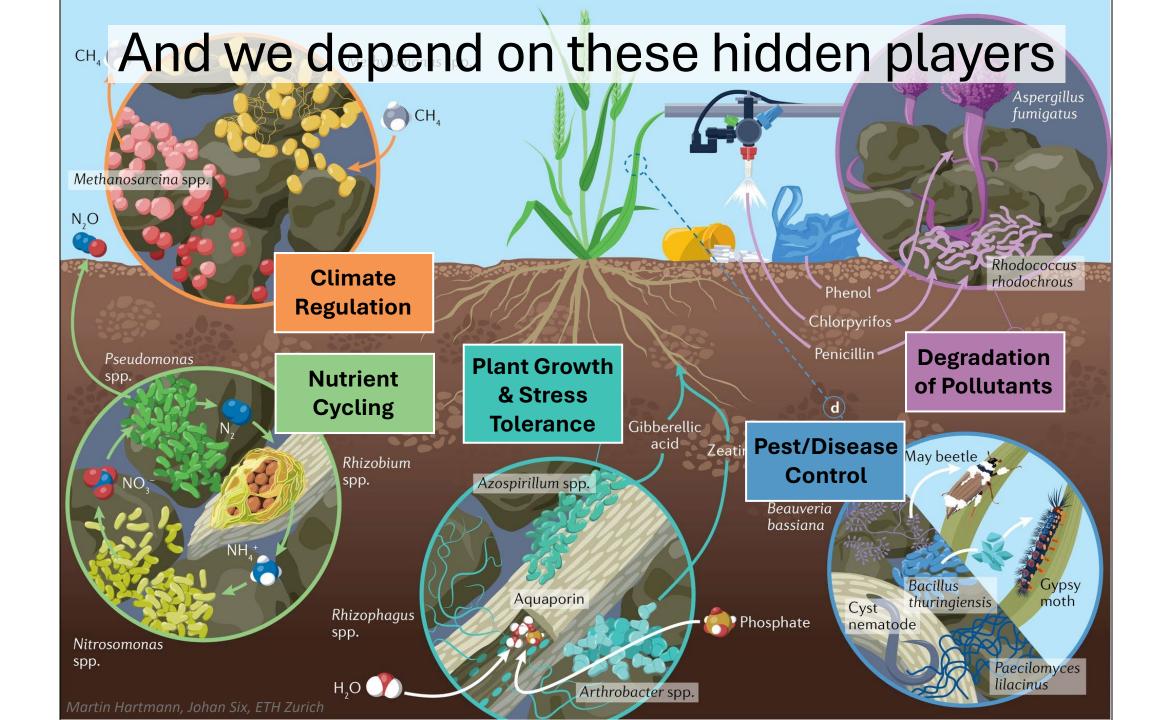
We are living in a microbial world

5,000,000,000,000,000,000,000,000,000



1 billion to 3 trillion microbes per spoonful

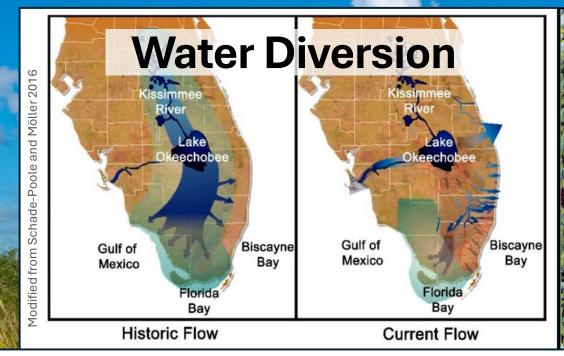


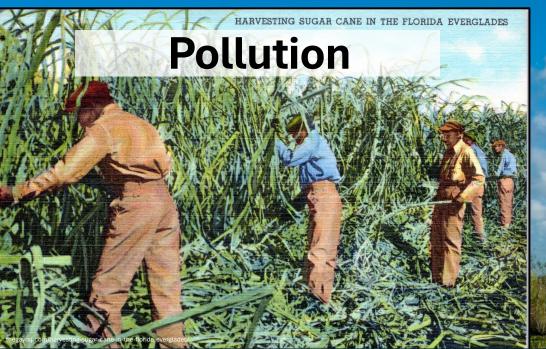


The world is getting more STRESSFUL









The Everglades Is Facing STRESSFUL Changes

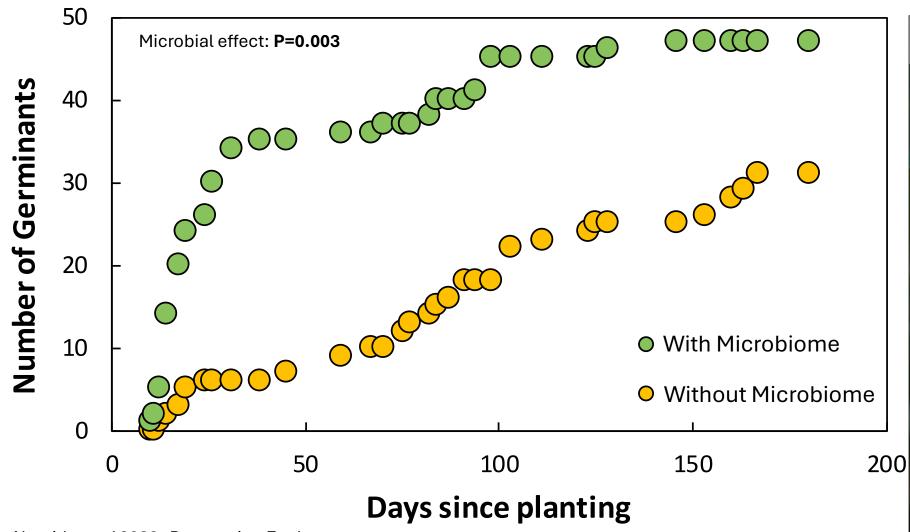




Tree Islands are Ecosystem Function Hotspots

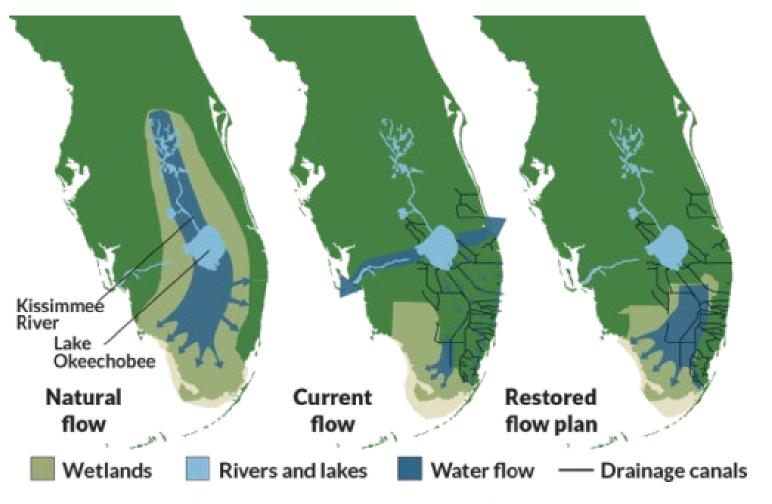


Microbiomes on tree islands in the Everglades can increase tree germination and growth





Microbiomes enhancement of tree growth depend on water level



Almeida et al 2023, Restoration Ecology, Kiesewetter et al 2025, Ecological Applications

Loxahatchee Impoundment Landscape Assessment (LILA)



The LILA Tree Islands Before and After



Microbiomes differ between natural and humanconstructed tree islands even ~20 years after restoration

