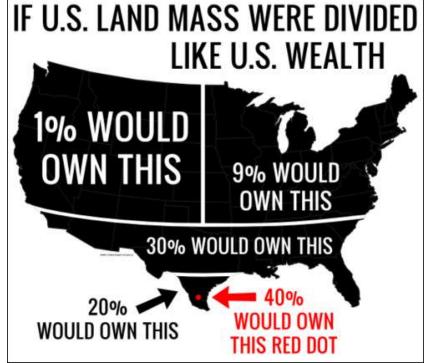
Regenerative & Distributive Design

Addressing social/economic inequalities & environmental degradation through equitable resource distribution & ecological regeneration

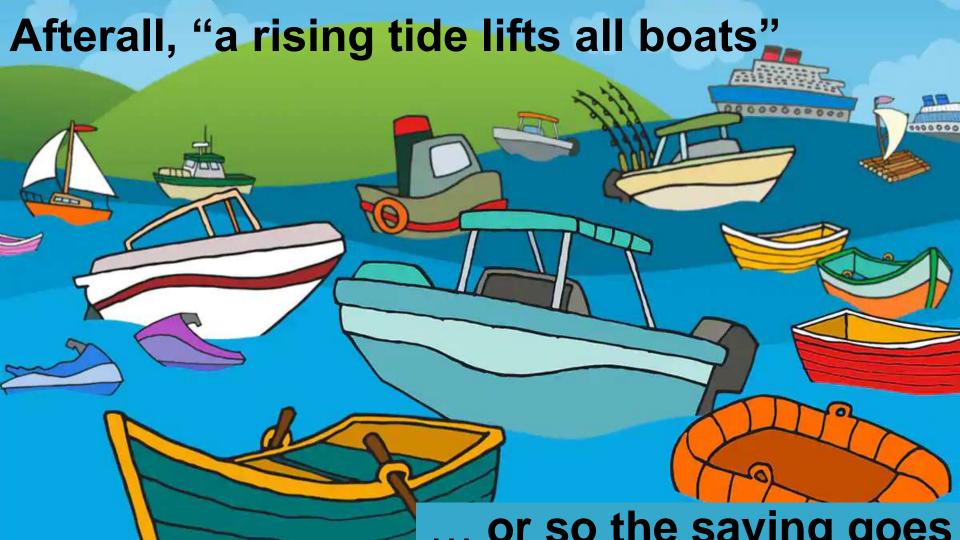


Social inequities exacerbate and perpetuate social and economic inequalities

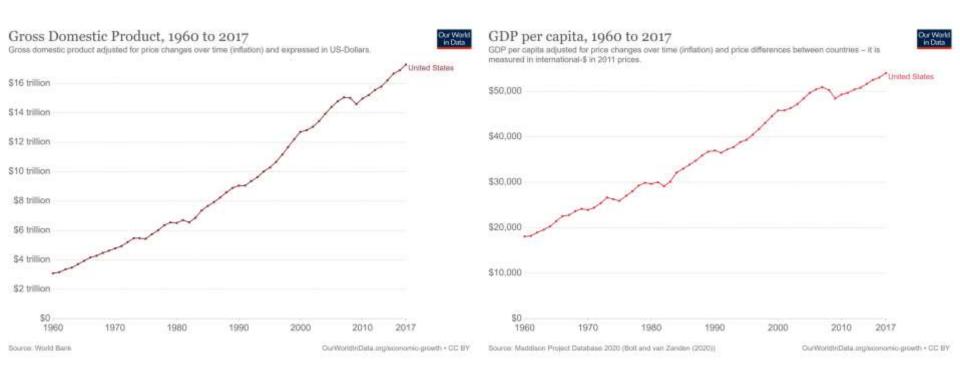


How have we historically addressed wealth (and income) inequality as a nation?

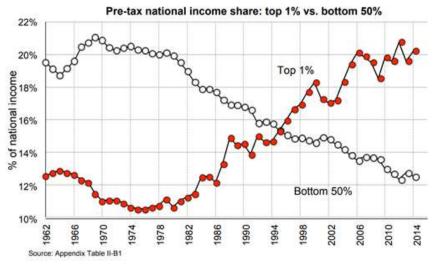
By using **economic growth** as a <u>substitute</u> for **economic equity**

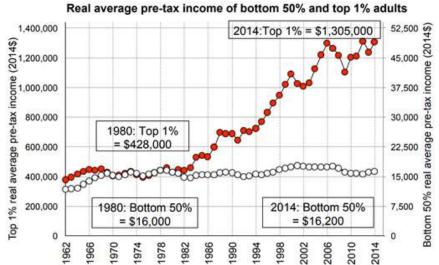


And, the tide is certainly rising...

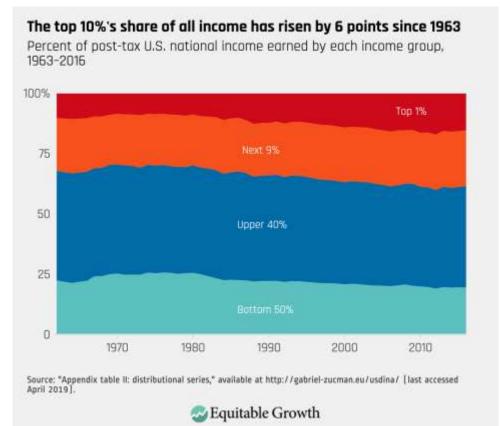


.. but what about the boats?



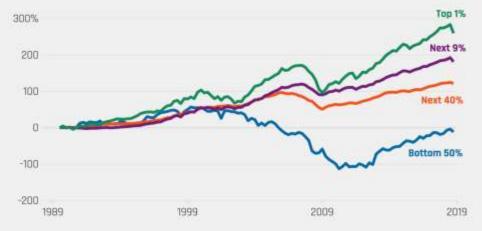


Income Inequality in the U.S.



The top 1% have seen a nearly 300% increase in wealth since 1989

Cumulative wealth growth in the United States between 1989-2018, adjusted to 2019 dollars using the GDP Price Index



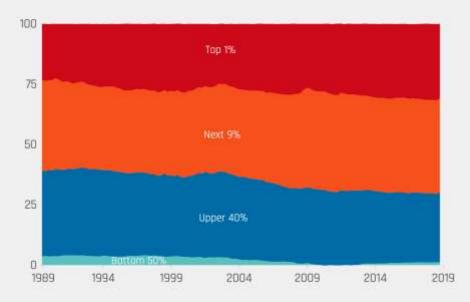
Source: "Distributional Financial Accounts: Levels of Wealth by Wealth Percentile Groups," available at https://www.federaireserve.gov/releases/efa/efa-distributional-financial-accounts.htm [last accessed August 8, 2019].



Wealth Inequality in the U.S.

The majority of all wealth in the U.S. is controlled by the top 10%

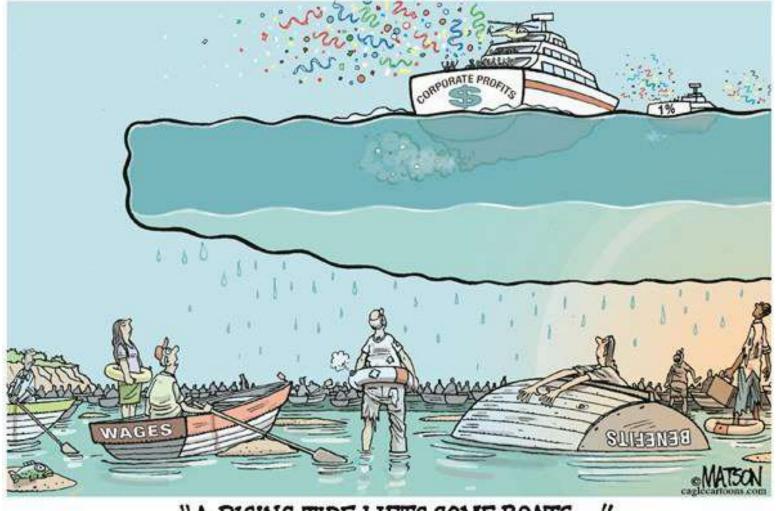
Percent of U.S. wealth earned by each wealth group, 1989–2018



Source: "Distributional Financial Accounts: Levels of Wealth by Wealth Percentile Groups," available at https://www.federalreserve.gov/releases/efa/efa-distributional-financial-accounts.htm [last accessed August 12, 2019].



Figures from: https://equitablegrowth.org/the-federal-reserves-new-distributional-financial-accounts-provide-telling-data-on-growing-u-s-wealth-and-income-inequality/

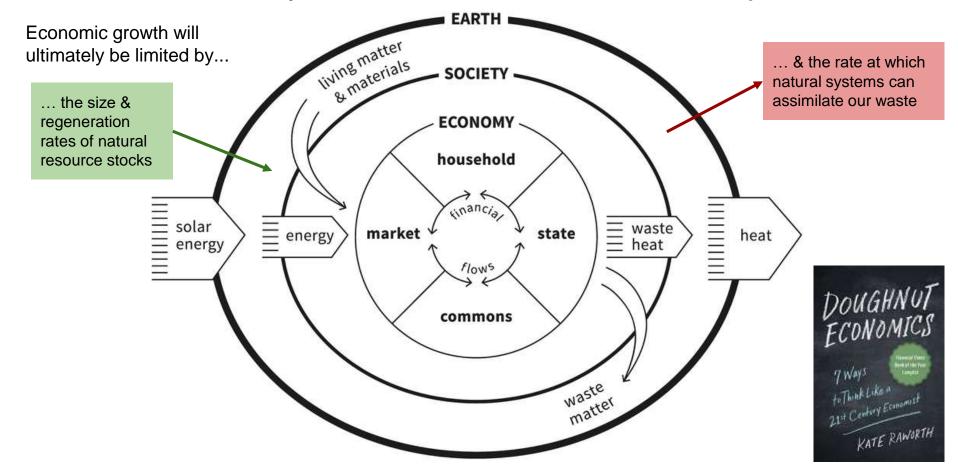


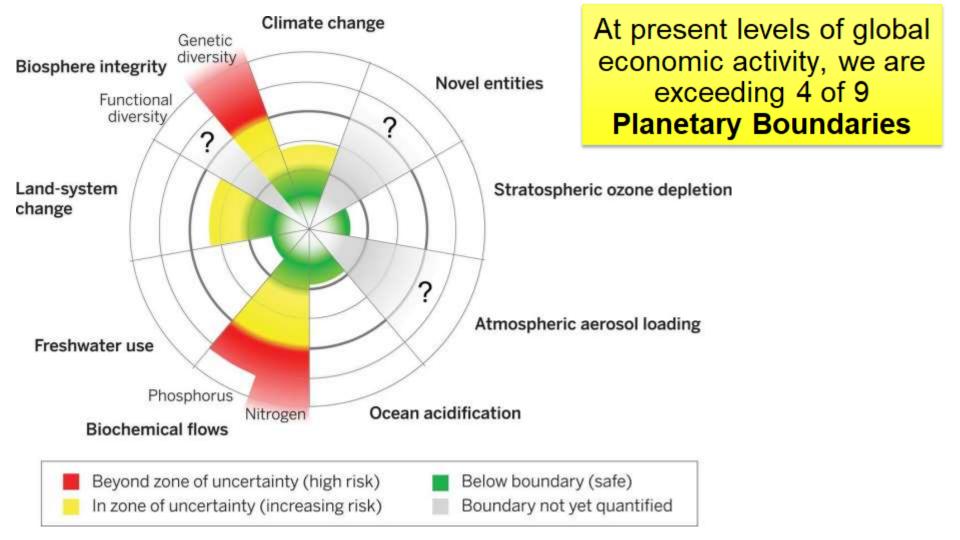
"A RISING TIDE LIFTS SOME BOATS..."

Even if economic growth did 'lift all boats', we'd still have a problem!



Our economy is **embedded** within Earth's systems





Exceeding planetary boundaries could 'tip' us out of the

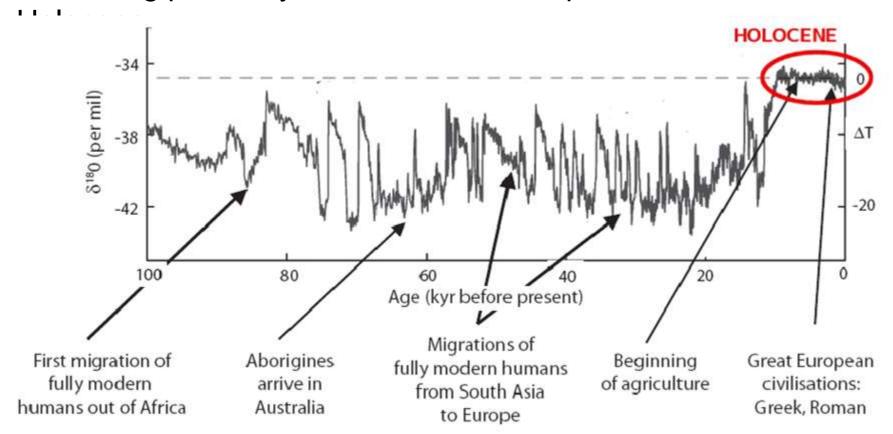
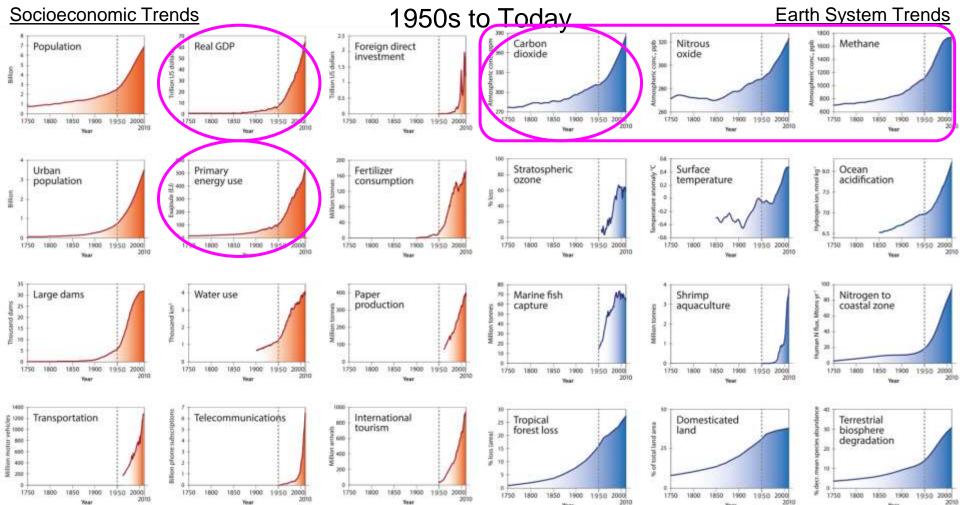
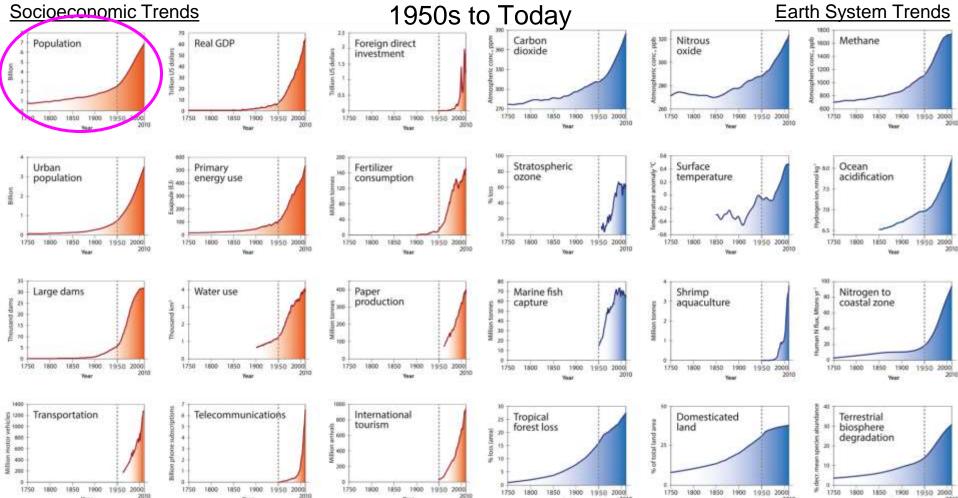


Fig. 1. The last glacial cycle of 18O (an indicator of temperature) and selected events in human history. The Holocene is the last 10 000 years. Adapted from Young and Steffen (2009).

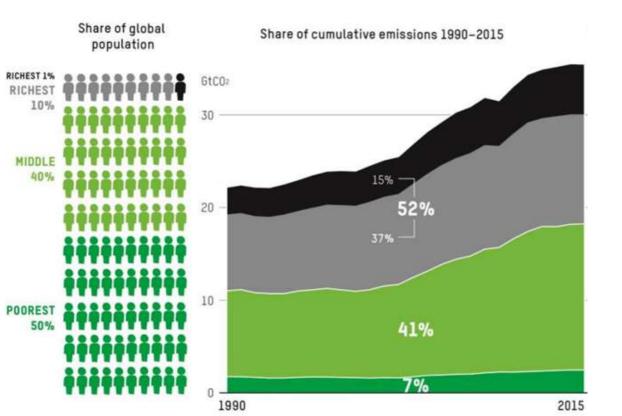
The Great Acceleration

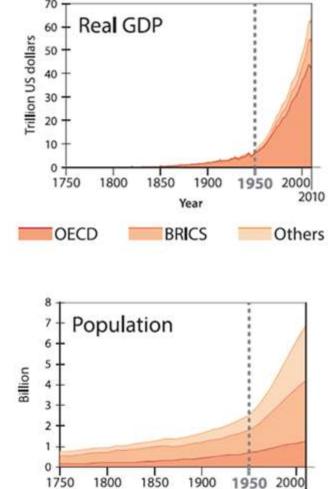


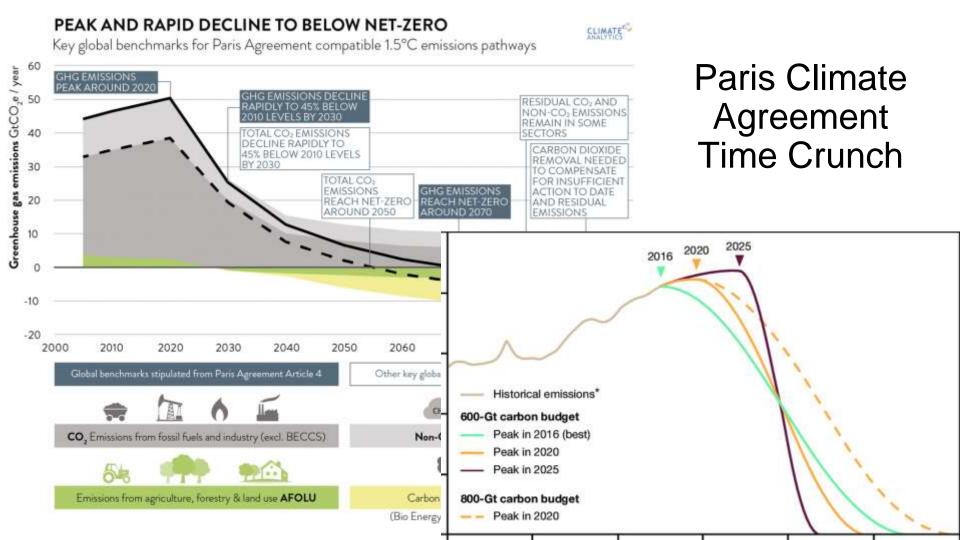
The Great Acceleration



- The **richest 10%** of the global population responsible for **more than half** of **global carbon emissions** +
- Wealthy nations have captured majority of economic benefits of growth



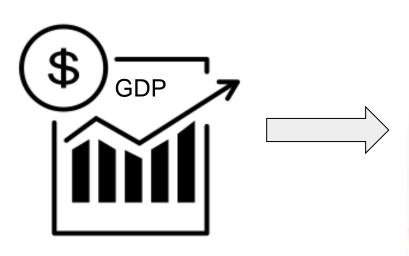




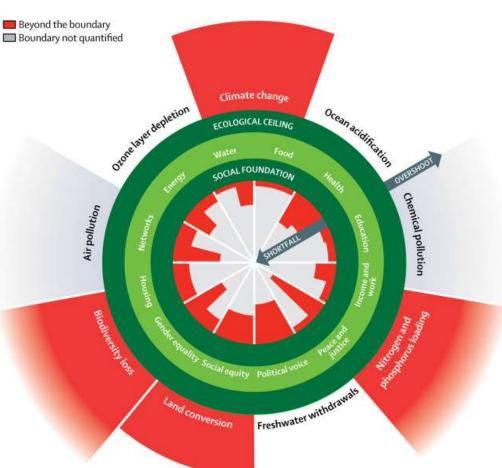
How does this apply to USG and our current

strategic planning effort?

Step 1: Change the Goal



Step 1b: Change what you measure



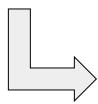
Step 2: Change the Rules & Norms





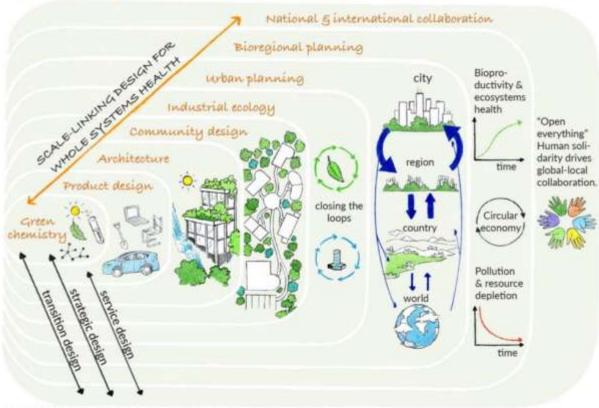
Step 2: Change the Rules & Norms





Step 2b: Think beyond sustainability to regeneration

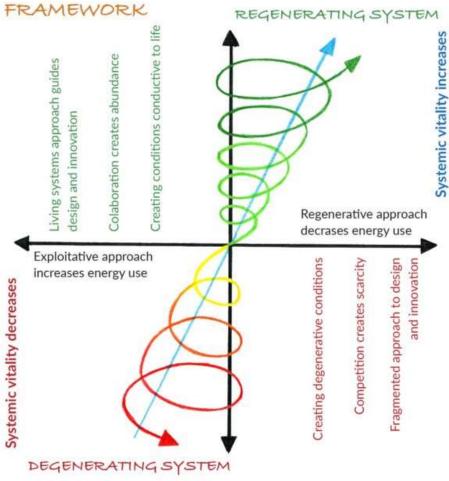




Source: Designing Regenerative Cultures, 2016 - www.sahlelchristanwahl.com; Graphics: www.flavtagargiulo.com

THE REGENERATIVE DESIGN

Step 2



Regenerative

Appropriate participation and deisgn as nature.

Reconciliatory

Reintegrating humans as integral parts of nature.

Restorative

Humans doing thing to nature.

Sustainable

Neutral point of not doing any more damage.

Green

Relative improvements.

Conventional practice

Compliants to avoid legal actions.

DOWNSCALING THE DOUGHNUT TO THE CITY



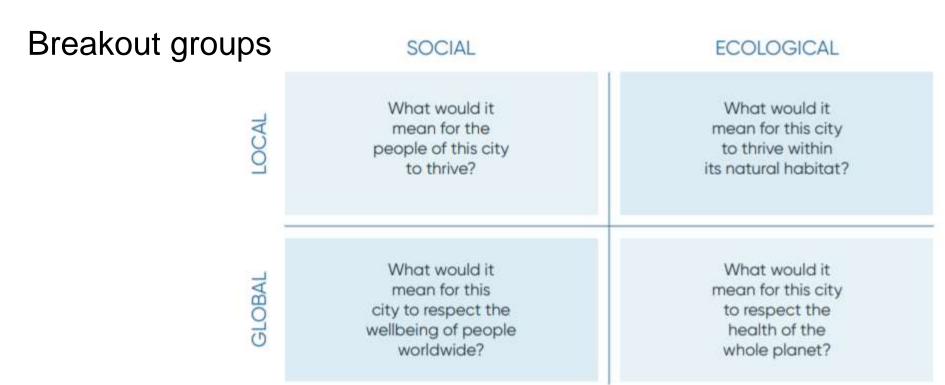












- Brainstorm USG "community" goals for each quadrant
- If you don't feel you have enough info to draft goals: Brainstorm what info/expertise will be needed to develop SMART goals and how students could be part of this