Changes that work and don't. What ARE we missing?

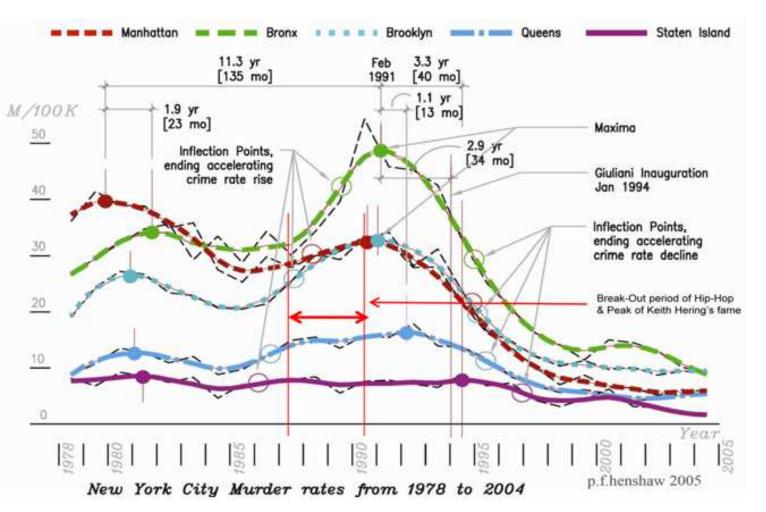
Much of the world looks healthy and well cared for

In other places, not so much!

Jessie Henshaw



Changes that work and don't. What ARE we missing?

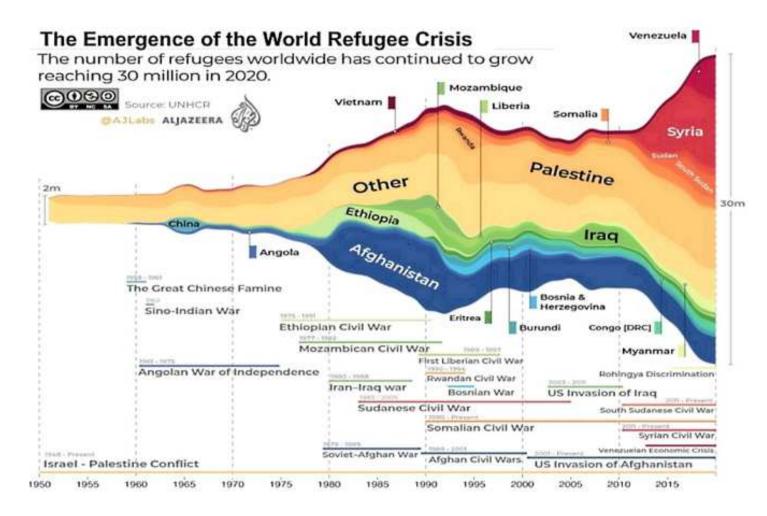


Note the sidebar texts are all placeholders

Crack came and went; the murder rates went up and down.

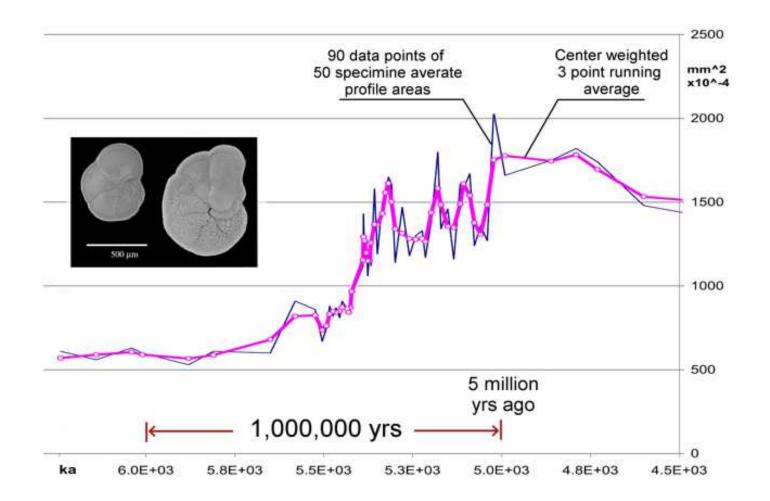
Transforming NYC Culture in amazing ways.

Changes that work and don't. What ARE we missing?

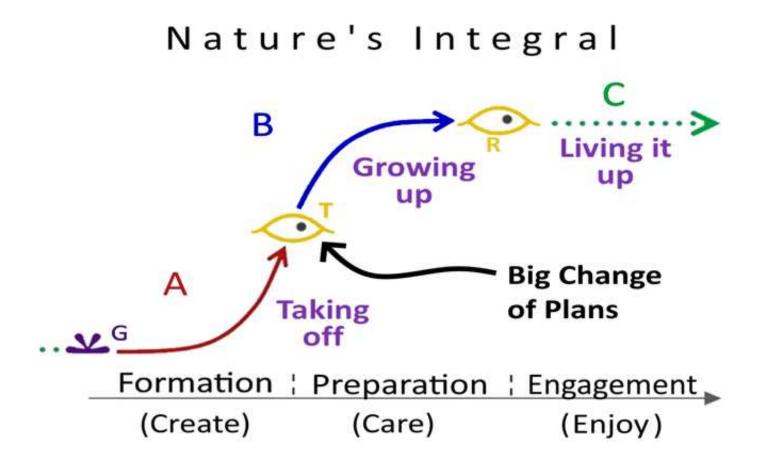


For 250 Million Years, marine animal diversity has grown exponentially.

The end of the Dinosaurs just a bump on the curve.



The money and the impacts all grow together, all part of the same thing.



The money and the impacts all <u>grow</u> <u>together</u>, all part of the same thing.

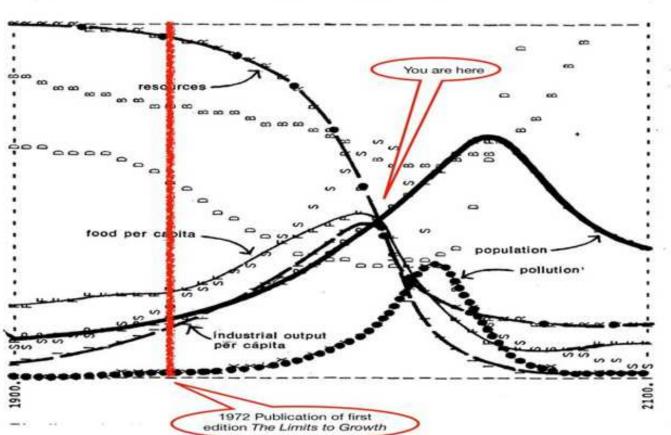
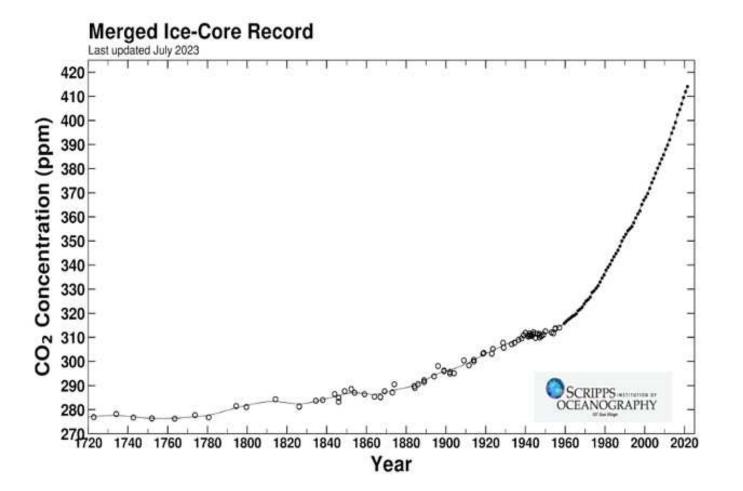
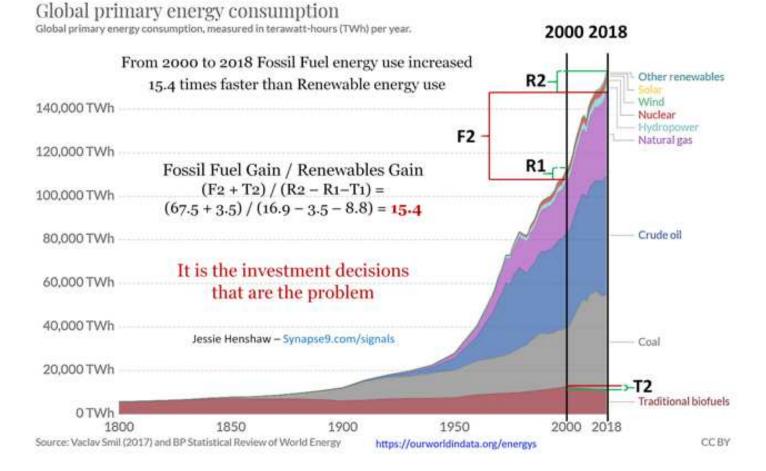


Figure 35 WORLD MODEL STANDARD RUN

The money and the impacts all <u>grow</u> <u>together</u>, all part of the same thing.

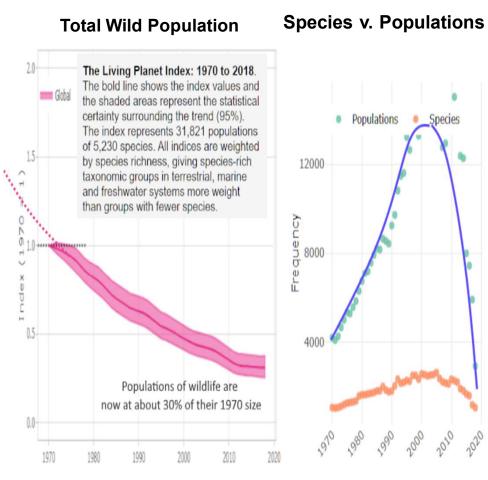


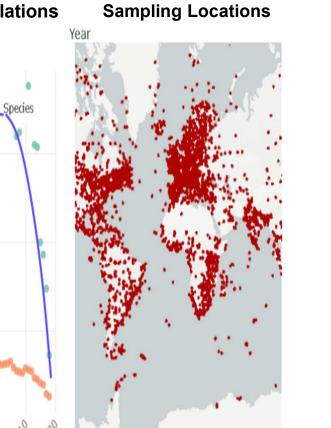
The money and the impacts all <u>grow</u> together, all part of the same thing.



The money and the impacts all grow together, all part of the same thing.

Animal life went down 70% too

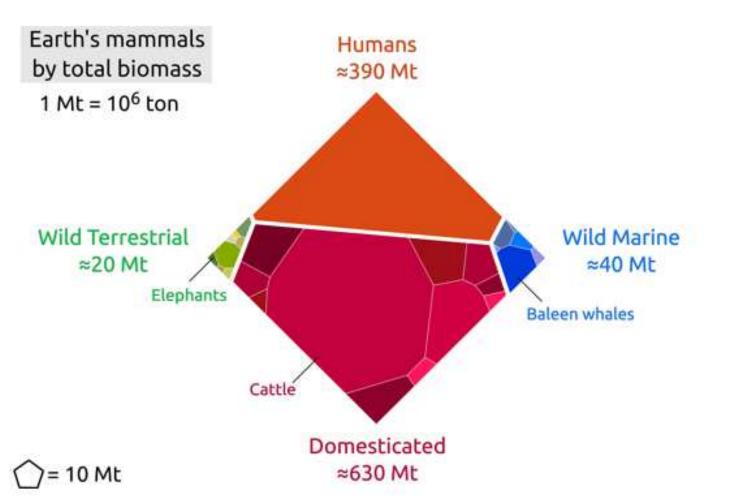




The money and the impacts all <u>grow</u> <u>together</u>, all part of the same thing.

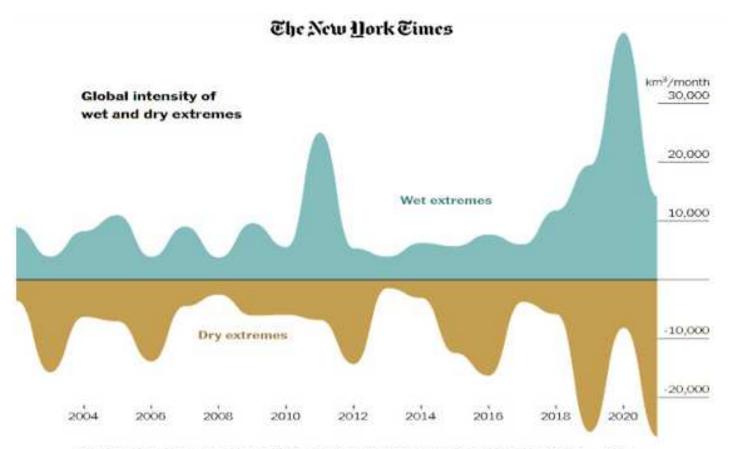
https://www.livingplanetindex.org/latest_results

Humans Crowded out nearly ALL Mammal Life



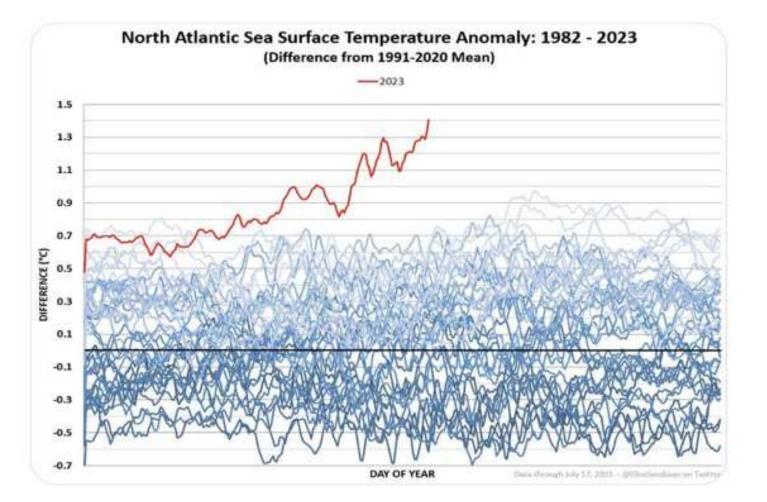
The money and the impacts all grow together, all part of the same thing.

Climate with ever-increasing extremes



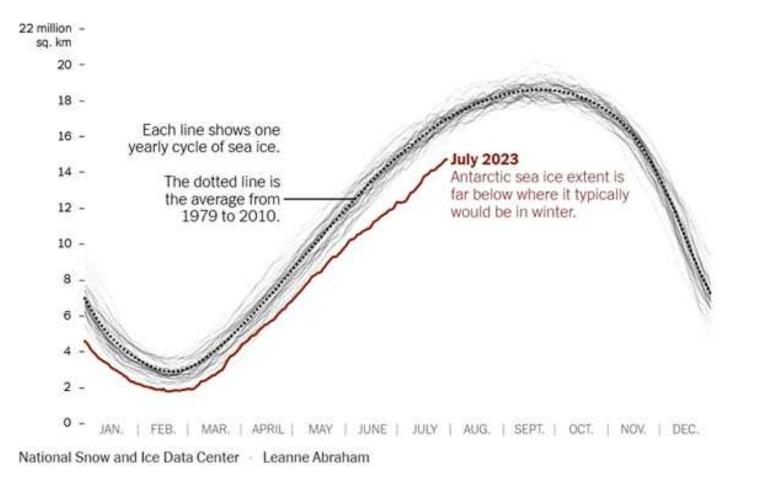
Source: Rodell and U, Nature Water (2023), based on analysis of NASA Grace and Grace-FO data. Note: Multi-year events are assigned to the year with peak intensity. The money and the impacts all <u>grow</u> together, all part of the same thing.

A radical departure in heating the North Atlantic



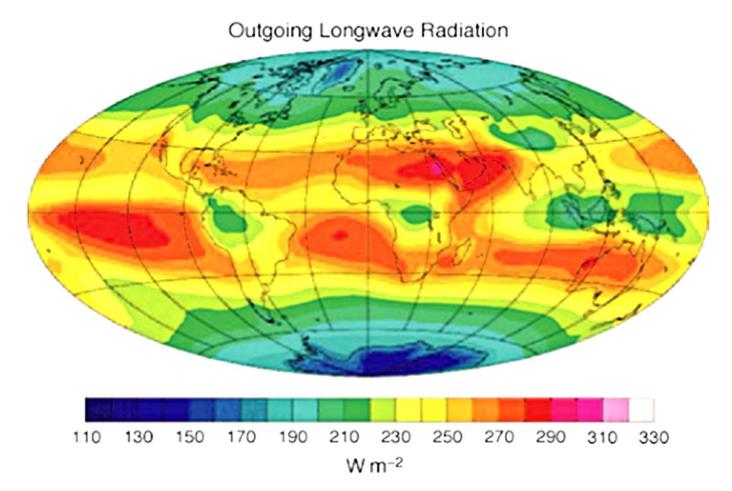
The money and the impacts all grow together, all part of the same thing.

A radical departure in Loss of Antarctic Ice



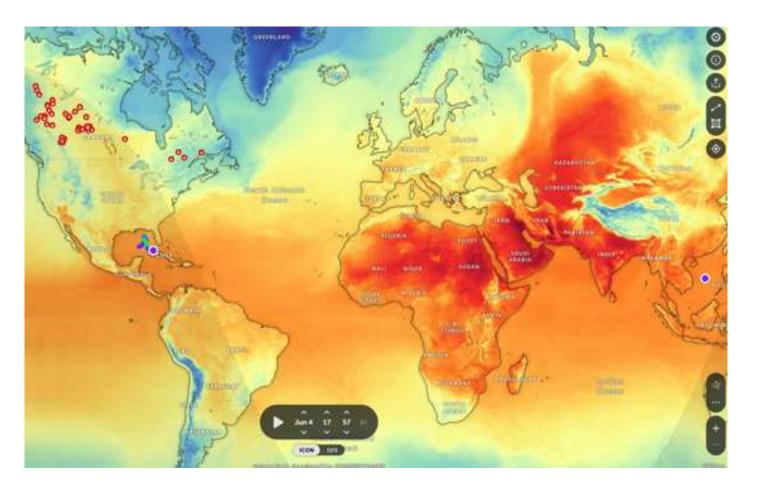
The money and the impacts all <u>grow</u> together, all part of the same thing.

Heat escaping, at stratosphere penetrations over the oceans



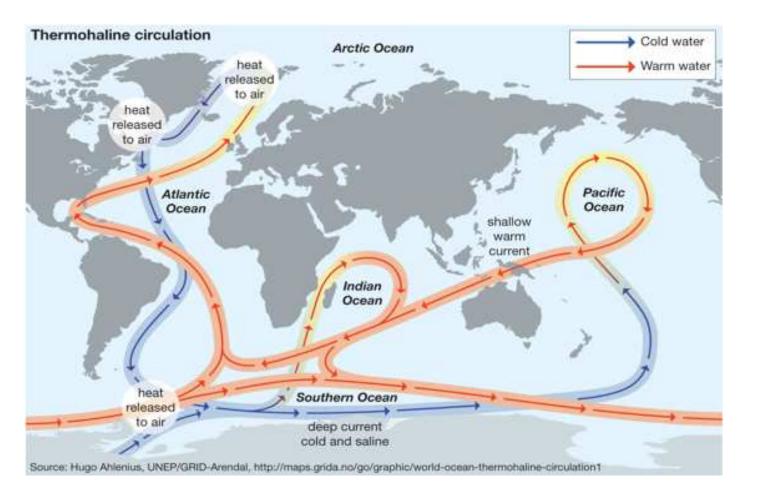
The money and the impacts all <u>grow</u> <u>together</u>, all part of the same thing.

A map of where the heat is building up on land/not escaping

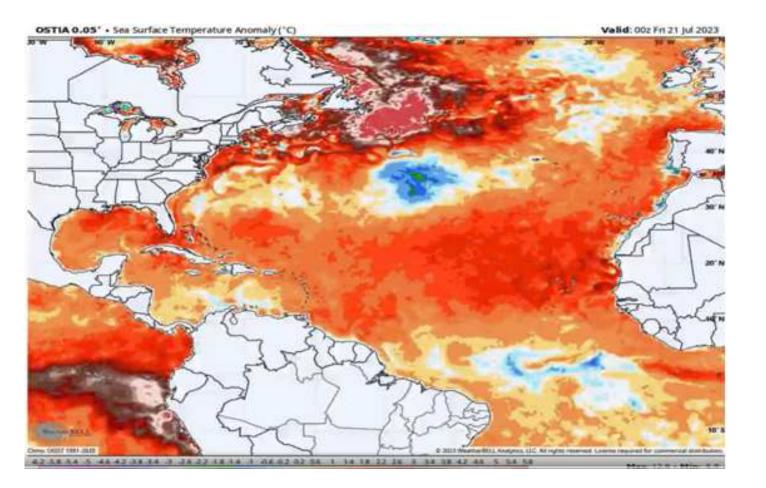


The money and the impacts all grow together, all part of the same thing.

The great deep ocean heat sink, the AMOC, may be detaching



The money and the impacts all <u>grow</u> together, all part of the same thing.



The money and the impacts all <u>grow</u> <u>together</u>, all part of the same thing.

What changes do you see? What are hiding from us?

Slides & ref's:

These Slides: https://synapse9.com/JLHtalk-slides-What do you see.pdf

Review Draft for the SRBS paper: <u>https://synapse9.com/ ISSS-23/May20-</u> GrowthInContext-RevDraft.pdf

Natural Systems - Design & Steering <u>https://synapse9.com/ ISSS-22/HNS1-MS-</u> Design&Steering.pdf

Elinor Ostrom's Nobel Lecture - <u>https://www.nobelprize.org/prizes/economic-</u> sciences/2009/ostrom/lecture/

Gerald Midgley's model talk - <u>https://lnu.se/en/meet-linnaeus-</u> <u>university/current/events/2021/seminar-midgley-210304/</u>

