Essential Capacities for a Planetary Crisis

@JamisonErvin
Wait – who’s driving this bus and why aren’t they applying the brakes?

“No need to panic! We have plenty of time!”
Capacity for a Planetary Crisis

- How to use the **brakes**
- How to **bend** the curve
- How to **brace** for impact
The nature of system change

- Optimization
- Destabilization
- Chaos
- Institutionalization
- Stabilization
- Experimentation
- Acceleration
- Emergence
- Breakdown
- Phase out

The nature of system change
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System Change for Planetary Crisis

BRAKE

BRACE

BEND
Capacities to Brake

BRAKE
1. Capacity to Move the Mammoth

Is that a mammoth?

Don’t be silly!
1. Capacity to Move the Mammoth

- Complicity in illegal wildlife trade
- Corrupt legal systems, land grabs
- Police abuses and intimidation
- Corporate bad behavior
- Special interests and bribery
- Journalist and protestors killings
1. Capacity to Move the Mammoth
2. Capacity to Use Technology

- To empower the powerless
- To increase transparency
- To mobilize action
- To hold actors accountable
3. Capacity to Tackle the Tide, Not Just the Tip

- $5.7 Trillion Fossil Fuel Subsidies
- $500 Billion Agricultural Subsidies
- $94 Trillion in Infrastructure by 2040
3. Capacity to Tackle the Tide, Not Just the Tip

- Align national expenditures
- Remove harmful subsidies
- Green infrastructure projects
Capacities to Bend the Curve
4. Capacity to Replicate
5. Capacity to Expand and Scale Up
6. Capacity to Transform Supply Chains

Dutjahn Sandalwood Oils Pty Ltd - Australia

Federación Tribus Pech de Honduras (FETRIPH) - Honduras
7. Capacity to Tell A Good Story
8. Capacity to Make Some Noise
9. Capacity to Unleash Private Sector Capital

There are more than $285 trillion in assets under management.

Just 1% invested in SDGs would fully finance the gap.
I don’t get out of bed for under $100 million – bring me a deal!

A $2 million mini-solar grid would allow our whole village to farm sustainably - bring us a deal!
Capacity to Brace for Impact
10. Capacity to Create a Planetary Safety Net

From data layers

To composite layers

To multiple data layers

Intactness
Human footprint
Protected areas
Marine PAs
10. Capacity to Create a Planetary Safety Net

From composite layers

To multiple composite layers

To planetary safety net maps

Water security
Food security
Disaster prevention
Carbon sequestration
10. Capacity to Create a Planetary Safety Net

- Forest cover loss data
- Protected area data
- Water source for Dar es Salaam

= WATER SECURITY
UN Biodiversity Lab

www.unbiodiversitylab.org
11. Capacity to Buffer the Most Vulnerable

3.2 billion people depend on nature for their livelihoods
11. Capacity to Buffer the Most Vulnerable

Protect essential ecosystems for vulnerable

Fast-track ecosystem restoration

Manage natural resources for vulnerable
11. Capacity to Buffer the Most Vulnerable
Curriculum for a Planetary Crisis
12. Courage and skill to drive the bus