

**Dynamic regulation of human-activity
through socio/biophysical economics**

Blue Planet Governance

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn. Alvin Toffler

A metaphorical over view of:
*The Money/Energy dancing duo
of modern civilization*

There appears to a disabling mystique surrounding the curtain at the end of the yellow brick road, and not many people venture to pull it back and to observe the magical money strings, and to see just who is plucking them.

BioPhysical Monetary Economic System
(BPMES)

'You can't manage what you don't measure!'

It is an old management adage that is still accurate. Unless you measure something, you don't know if it is getting better or worse. You can't manage for improvement if you don't measure to see what is getting better and what isn't'

System structure

(courtesy of Dynamic Systems Society)

<http://www.systemdynamics.org/what-is-s/>

These ideas are captured in Forrester's (1969) organizing framework for system structure:

- Closed boundary
 - Feedback loops
 - Levels
 - Rates
 - Goal
 - Observed condition
 - Discrepancy
 - Desired action

"Look again at that dot. That's here. That's home. That's us. On it everyone you love, everyone you know, everyone you ever heard of, every human being who ever was, lived out their lives. The aggregate of our joy and suffering, thousands of confident religions, ideologies, and economic doctrines, every hunter and forager, every hero and coward, every creator and destroyer of civilization, every king and peasant, every young couple in love, every mother and father, hopeful child, inventor and explorer, every teacher of morals, every corrupt politician, every "superstar," every "supreme leader," every saint and sinner in the history of our species lived there – on a mote of dust suspended in a sunbeam."

- Carl Sagan, 1934-1996



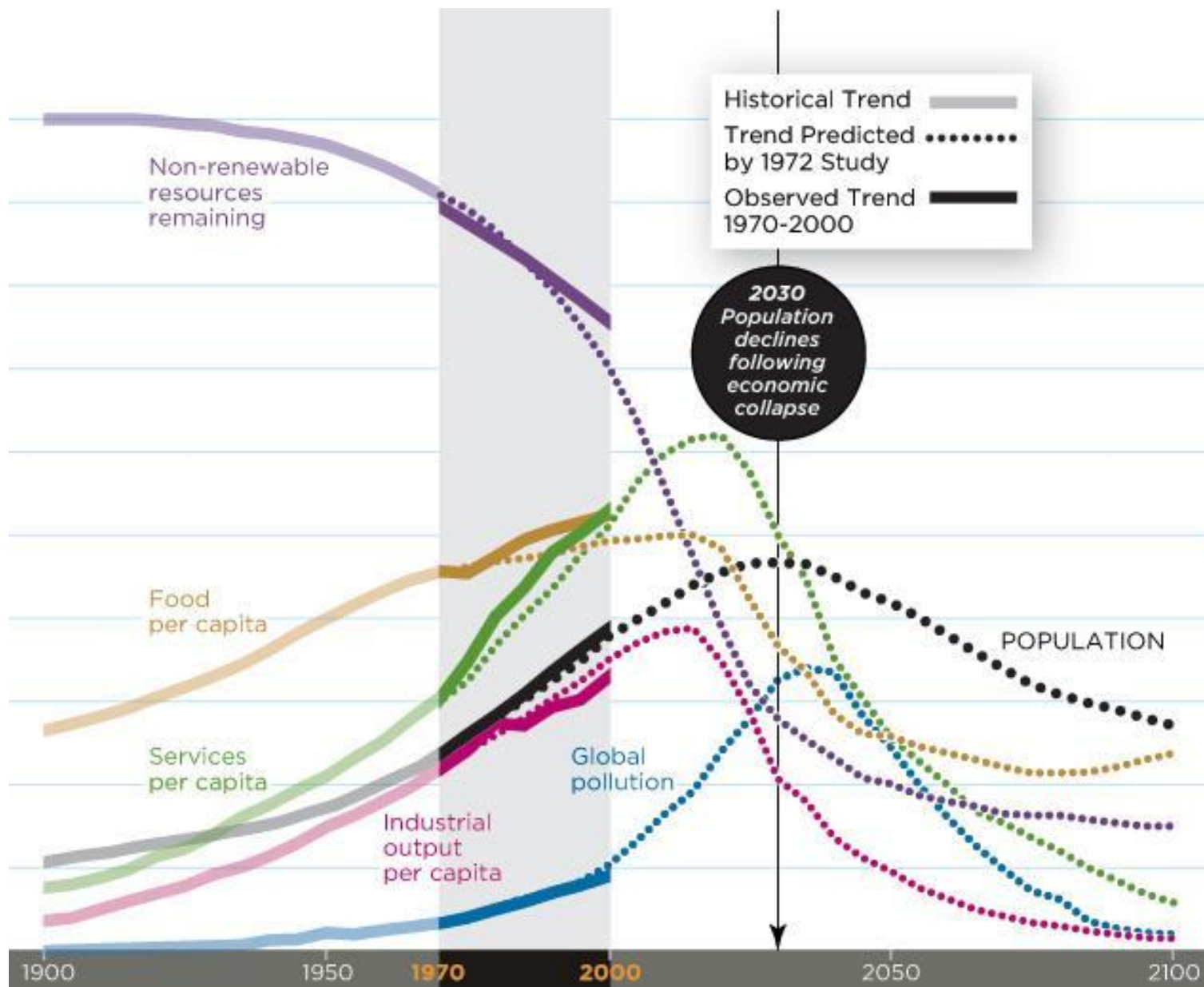
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The Earth as imaged from the the Voyager 1 spacecraft, as it exited the solar system in 1990. Earth is nearly 4 billion miles away in this image.

Paradigm Junction

A web booklet about
Blue Planet Governance

<http://gaiapc.ca/PJ/1a-Index.pdf>



All species expand as much as resources allow and predators, parasites, and physical conditions permit. When a species is introduced into a new habitat with abundant resources that accumulated before its arrival, the population expands rapidly until all the resources are used up.

David Price, Energy and Human Evolution

Daisetz Suzuki, Zen philosopher, highlights Ornstein's message:

Man makes many tools and uses them effectively in various fields of his activity, but he is always exposing himself to the tyranny of the tools he has made.

The result is that he is no more master of himself, but an abject slave to his surroundings, and the worst thing is that he is not conscious of this fact.

Gregory Bateson's Abstract Realities:

**constitutions; nations; religions;
corporations; land ownership;
ball games, political parties, money or a
poker game.**

**When handed down from generation to
generation they gain in concreteness.**

Sometimes people will kill to defend them!

The 80/20 guideline suggests that only 80% will do that, and the remaining 20% will not do that. Social psychologist Milgram illustrated this point when he wrote:

We are puppets controlled by the strings of society. Yet what is also true is that not all puppets jump when their strings are pulled.

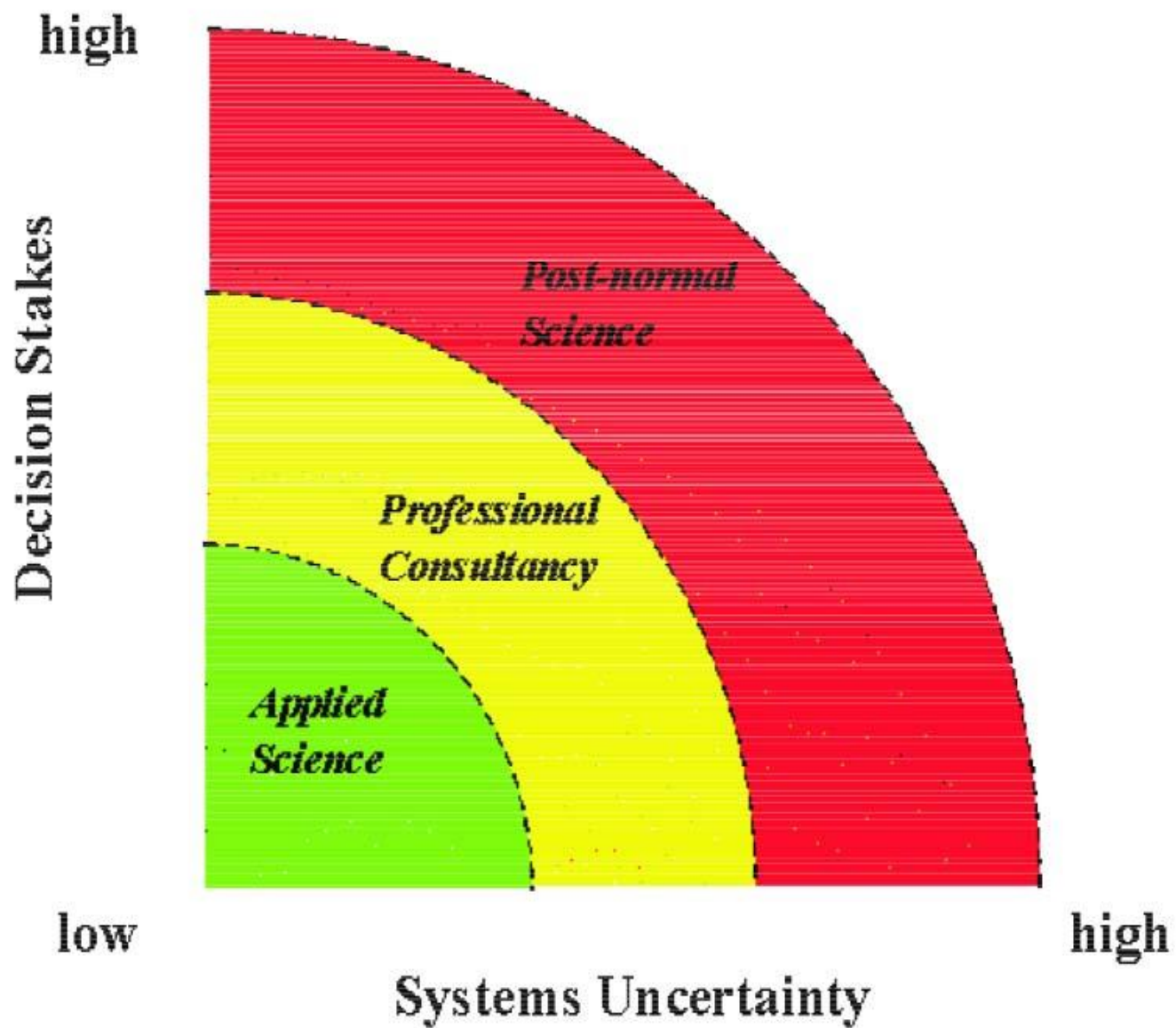
**A return to a commodity-based monetary system
where the commodity basis is *Real Wealth*:**

***Real Wealth is a measurement of robust ecology and
of the general health and happiness of the people!***

Riane Eisler's '98 book, *The Real Wealth Of Nations*.

The power of envisioning is to free our mind to envisioning and explore the design of a governance system using existing first class management procedures with a deep understanding of science and human nature, guided by energy and environmental realities. We might call it:

Blue Planet Governance



- The world of nature – personified as Gaia by Earth scientist Lovelock, is an unguided interactive dynamic system.
- The human world of civilization is a subsystem of the Gaian system. It is human-created and has acquired the non-viable goal of infinite growth.
- There is zero possibility of a happy(er) ending for humanity until money creation is under the control of a scientifically informed agency that works to maximize *Real Wealth* as defined by Eisler.

- Because of the universal daily human/money interactions involved with exchanges of goods and services, monetary flow control acts as a limiting regulator of human-activity. For example, more money equals more spending. Monetary flow control with a BPEMS guided by real-time measurements of *Real Wealth* can continue to regulate human-activity as part of a dynamic system of governance with the long-term goal of reaching a collective *ecological footprint* of less than one to one.
- There are many valid reasons that large nation states such as the USA, Canada, Russia and China are simply too large to govern satisfactorily. Many of these are spelled out in books by Gar Alperovitz

Dynamic thinker Stafford Beer '74 *Designing Freedom*

I am proposing simply that society should use its tools to *redesign* its institutions, and to operate those institutions quite differently.

You can imagine all the problems. But the first and gravest problem is in the mind, screwed down by all those cultural constraints.

You will not need a lot of learning to understand what I am saying: what you will need is intellectual freedom. It is a free gift for all who have the courage to accept it. Remember: our culture teaches us not intellectual courage, but intellectual conformity.

Perhaps 15 or 20 percent of us can do as Beer suggests, undo *our screwed down cultural constraints*, and agree on a viable model of a dynamic society with the goal of becoming sustainable. When this is established and made known, it may create the conditions for wider acceptance of the *Blue Planet Governance* proposals among existing social change initiatives.

Economist J. W Smith writes that over 50% of the world's energy use is wasted on wars, military, unneeded products, frivolous travel, designed obsolescence, etc. etc..

**Blue Planet Governance
Paradigm Shift from the bottom up
We, the People:**

**Primary Spheres
of human Influence, 3, 2, and 1**

The Macro # 3

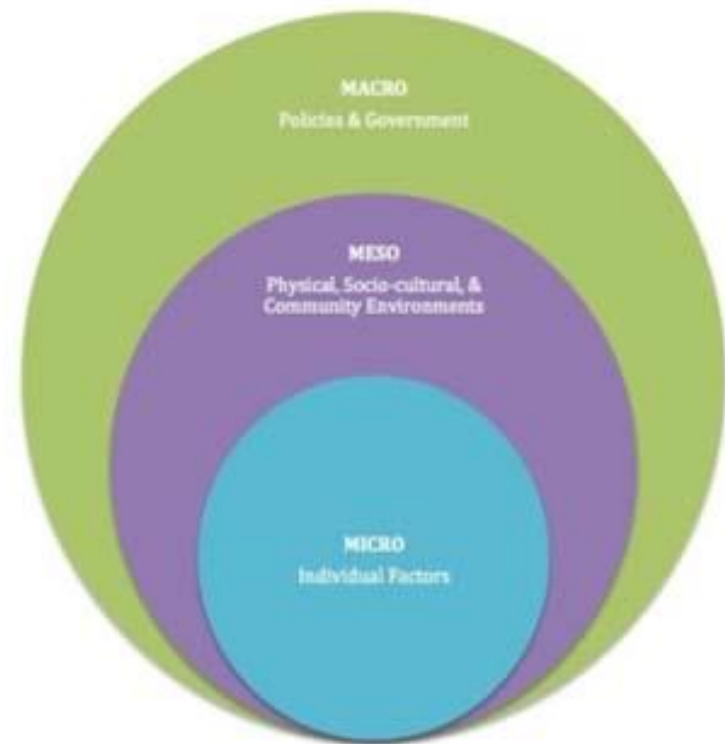
Politics and Government

The Meso # 2

**Physical, Socio-cultural
& Community and environment**

The Micro # 1

Individuals, family, close friends



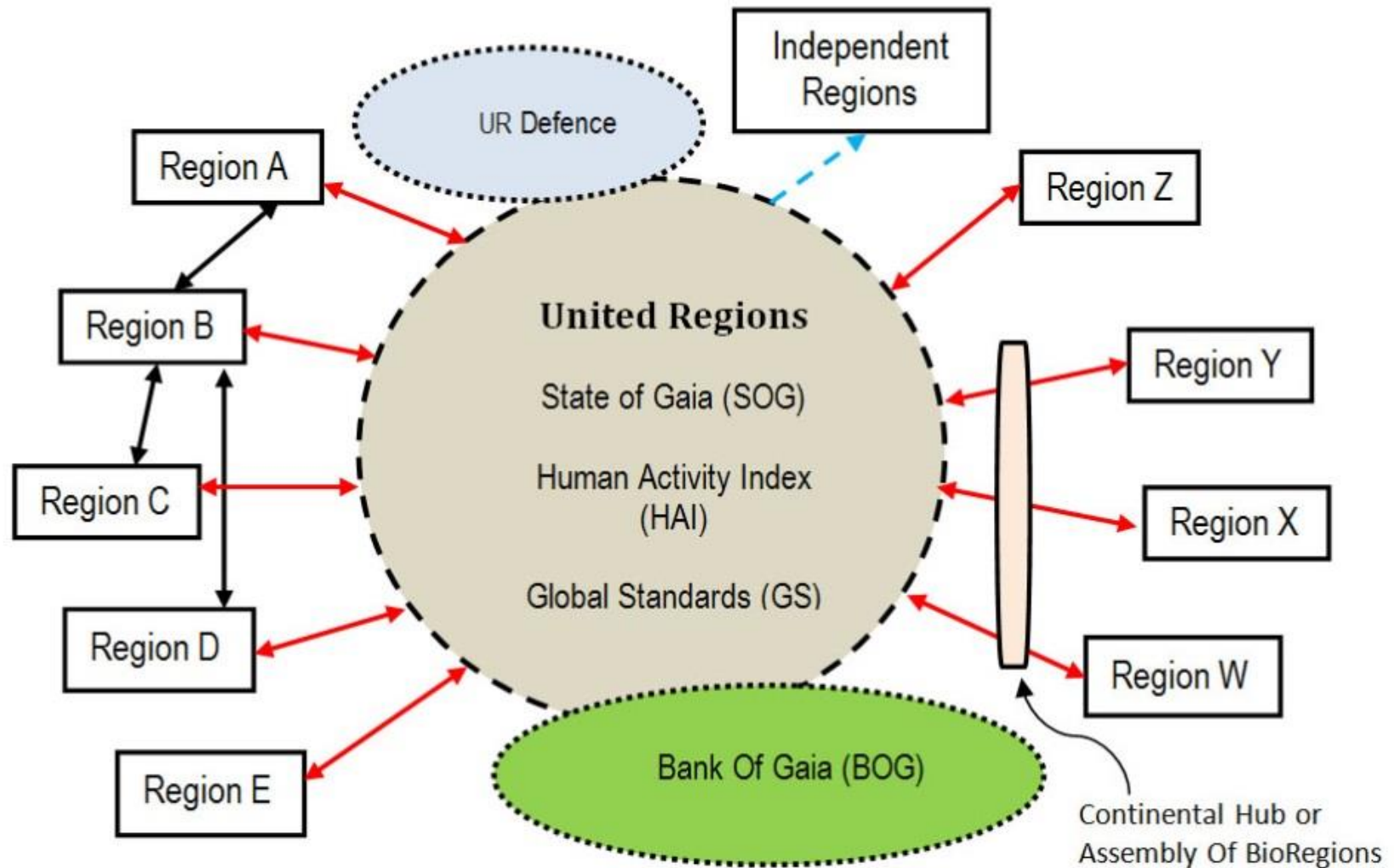
Envisioning a Sustainable Future, 1989

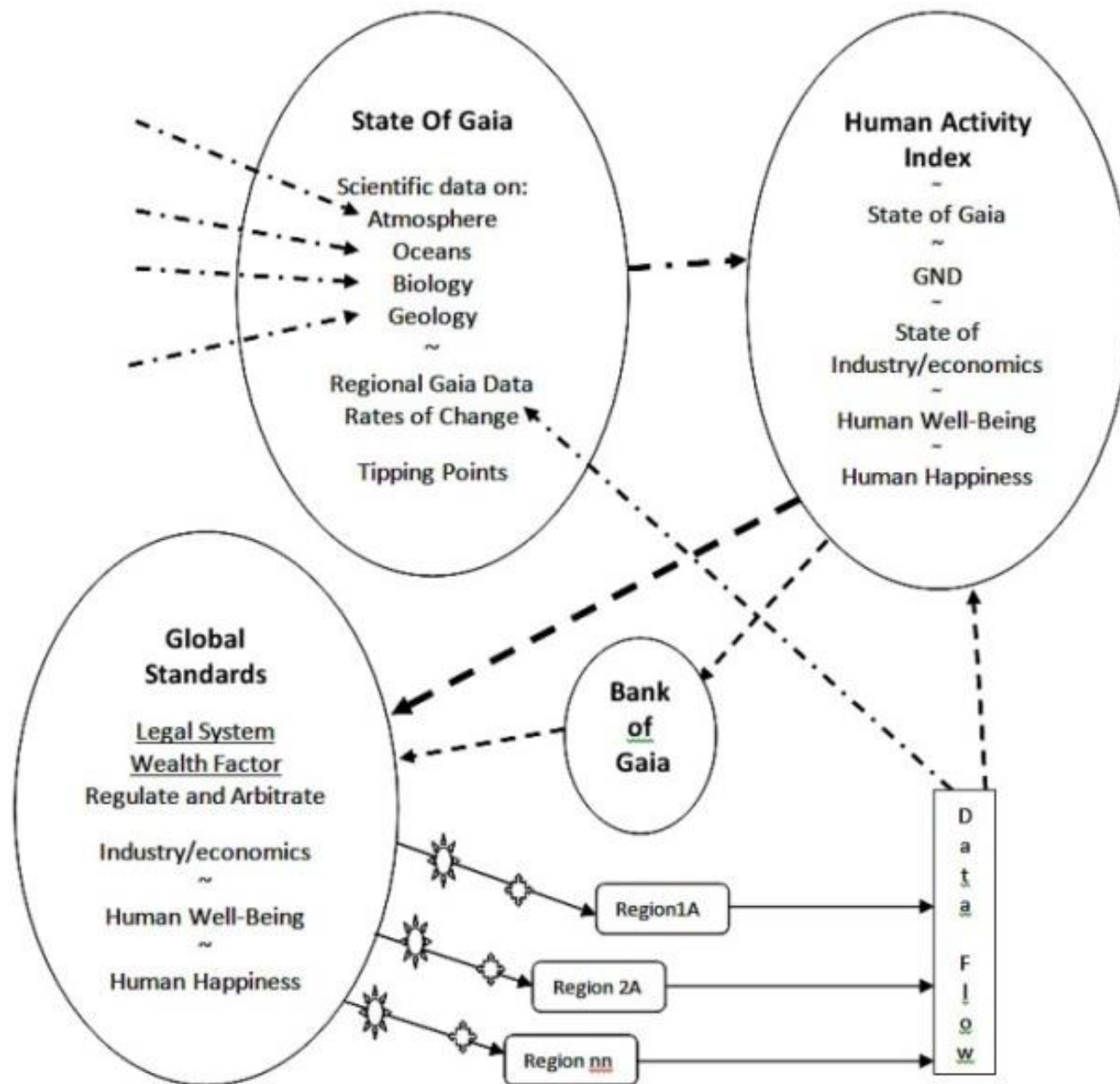
Lester Brown on Responsibility

Our common journey promises to be challenging and exciting even though difficult. It will be much easier and more likely successful if we face it optimistically with a deep understanding of the pace and character of social transformation. Those given the gift of understanding will become the conscious mind of the biocommunity, a global mind that will guide and hasten the transformation. Those who understand what is happening to our world are not free shirk this responsibility.

Blue Planet Governance (BPG)

-governance for a small planet-





Core Purpose of the United Regions Cooperative:

To develop a planetary management system capable of moving humanity toward a more harmonious relationship within Gaia.

Blue Planet Governance

Mission of the UR

Scientific and psychological knowledge will underlie the dynamically interactive social/political/economic system with a long term goal reducing the human ecological footprint until there is a synergetic balance within the ambient systems of life in our small blue planet.

Blue Planet Governance

Q 2: How large is a region?

They are as small as practical to have a regional government large enough to administer the functional needs of bureaucracy within the BPG – Blue Planet Governance. Envisioned regions vary in size, ecological bioregions sometimes form the borders, some are the same as small countries before paradigm change. Regions are small enough have the advantages of 'localization', and to give individuals a strong feeling they can be an important part of local government.

BPG is an expandable model that can begin from the agreement of a few regions.

Both global wealth and regional wealth are always expressed as wealth per capita to highlight the point that a smaller population and lower energy use increases each individual's overall wealth.

A Region's human-activity level
is everybody's business.

Each region measures the *Wealth Factors* within its borders.
Here are a few examples.

- A region's ability to harvest flow-energy (renewable);
- A region's open spaces of untouched nature;
- A region's capability to produce manufactured goods;
- A region's capability to produce food;
- The level of happiness of people in the region;

... and many more.

The use of fossil fuels is a negative wealth factor.

Economics and the money system are central pillars of civilization. They touch every human and every commercial exchange.

Are Humans Smarter than Yeast?

Blue Planet Governance



... for the humans of Gaia, on a
A Small Blue Dot
floating somewhere in space

<http://gaiapc.ca/PJ/4ba-050APC.pdf>