Towards Systemic Governance

Linking Perception, Decision and Action

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Structuring public policy implementation towards 2030

1. Goals Already Defined

For several decades, shared constitutional values have gradually converged towards an international framework, particularly through the Sustainable Development Goals.

This evolution reflects an aspiration towards the rule of law at the global level, compatible with the diversity of societies.

But implementation remains difficult due to the complexity of the goals, contexts and systems.

1. Goals Already Defined

A Worrying Finding

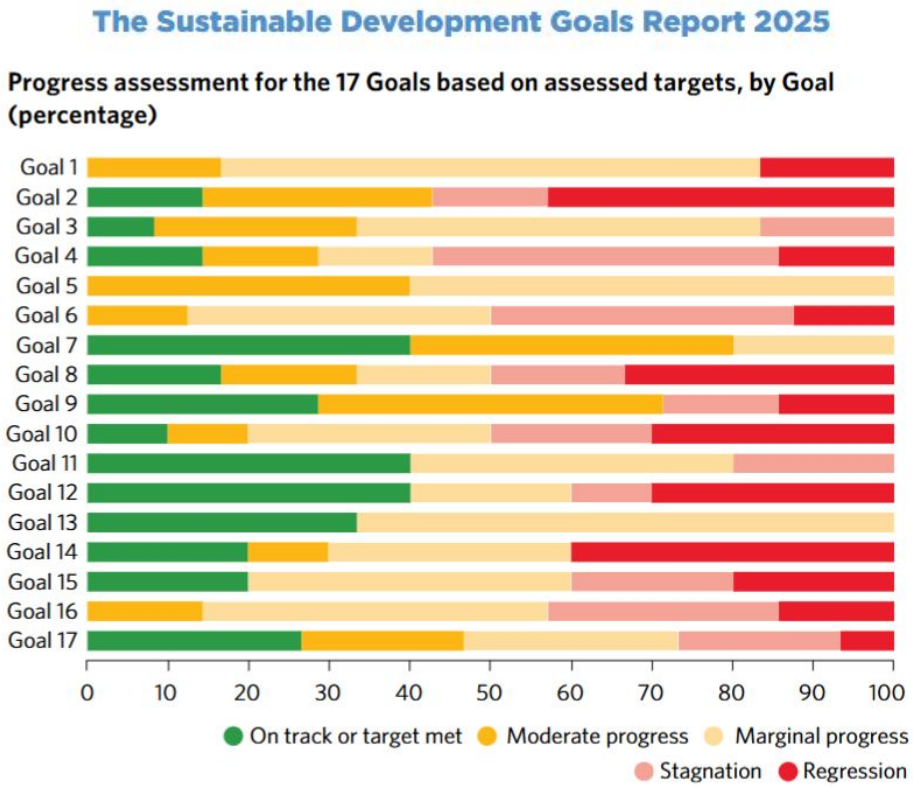
Five years before the 2030 deadline of the United Nations Agenda for Sustainable Development:

- a limited share of the targets is on track

- a majority are progressing too slowly

- some are regressing

→ an implementation challenge



1. Goals Already Defined

We have defined ambitious goals.

But:

- decisions remain fragmented

- scientific, legal and social dimensions are poorly integrated

- regulatory mechanisms remain incomplete

→ vulnerable systems

1. Goals Already Defined

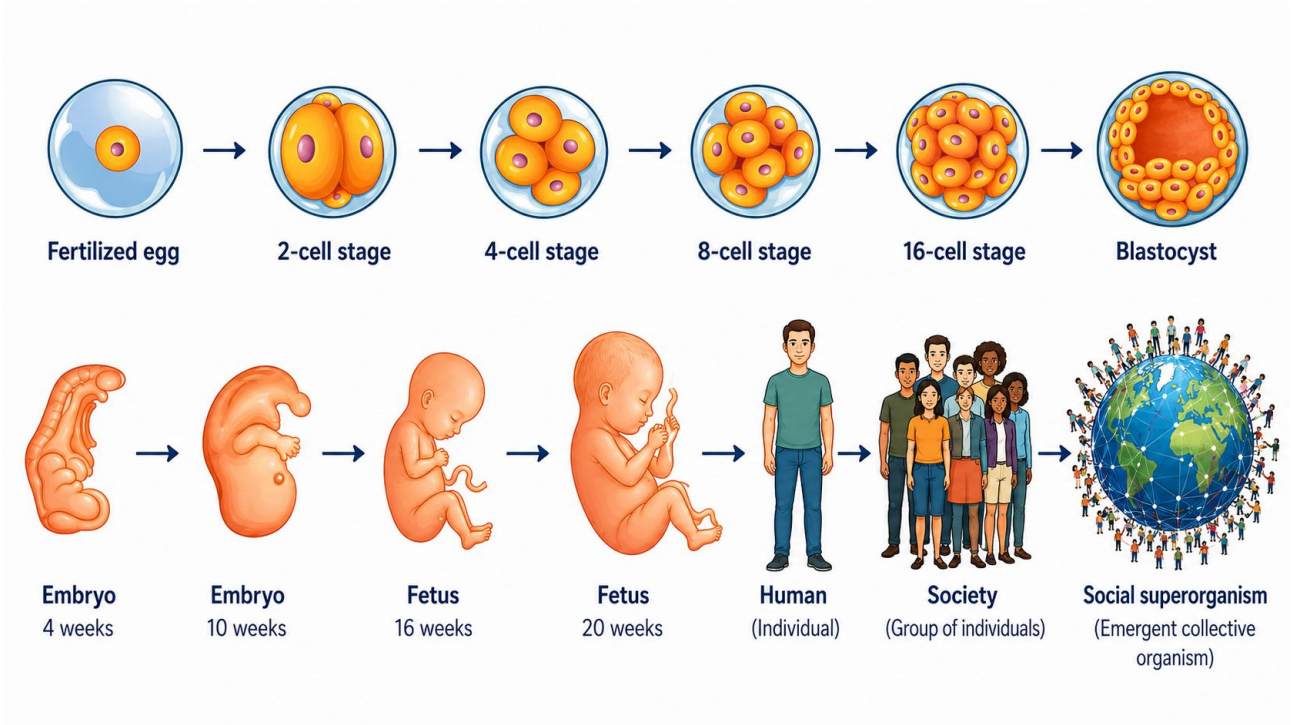
Changing Perspective

We are no longer merely societies.

We have become a **social superorganism**.

A global force capable of altering the conditions for planetary habitability.

→ the Anthropocene

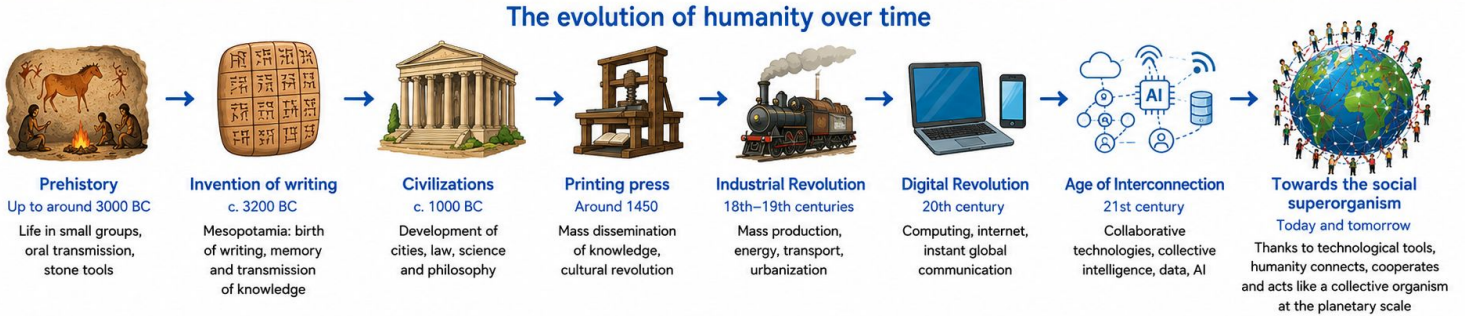


1. Goals Already Defined

A Continuous Evolution

At each stage, our capacities for coordination and collective action have grown stronger.

→ towards a global system



1. Goals Already Defined

A Still Incomplete System

Current difficulties can be understood as those of a system whose capacities for:

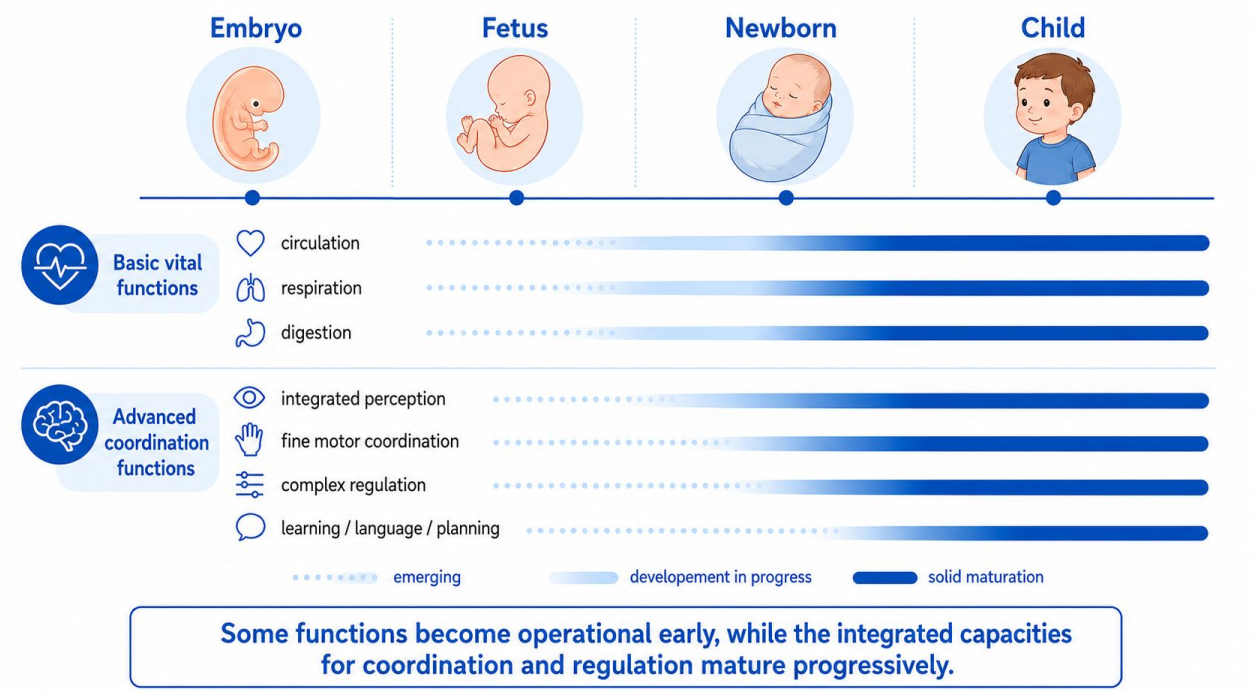
- perception

- coordination

- regulation

remain incomplete.

→ a **nervous system still taking shape**



2. Theory of Value: Triple Sustainability

The Need for a Theory of Value

A system cannot regulate itself without distinguishing:

→ what strengthens its coherence

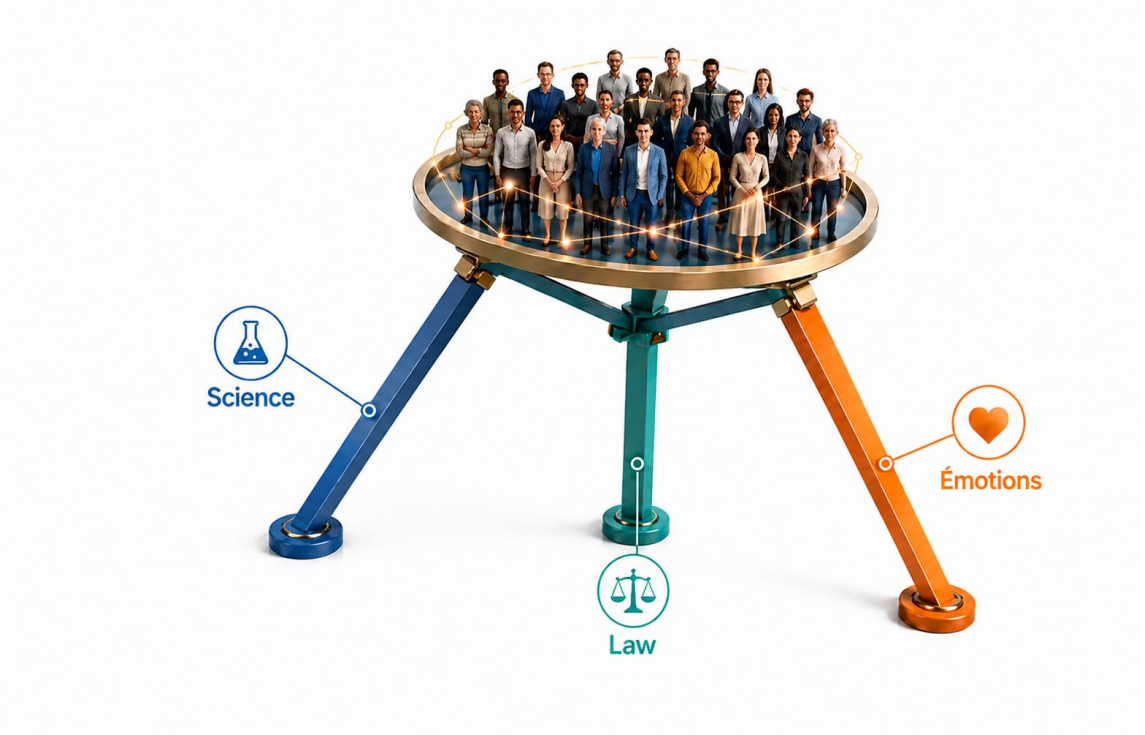
→ what degrades it

In the Anthropocene, this coherence must be assessed with regard to:

- living systems

- law

- social dynamics



2. Theory of Value: Triple Sustainability

Triple Sustainability

Scientific,

Legal,

Emotional,

→ to ensure the coherence and legitimacy of our systems.

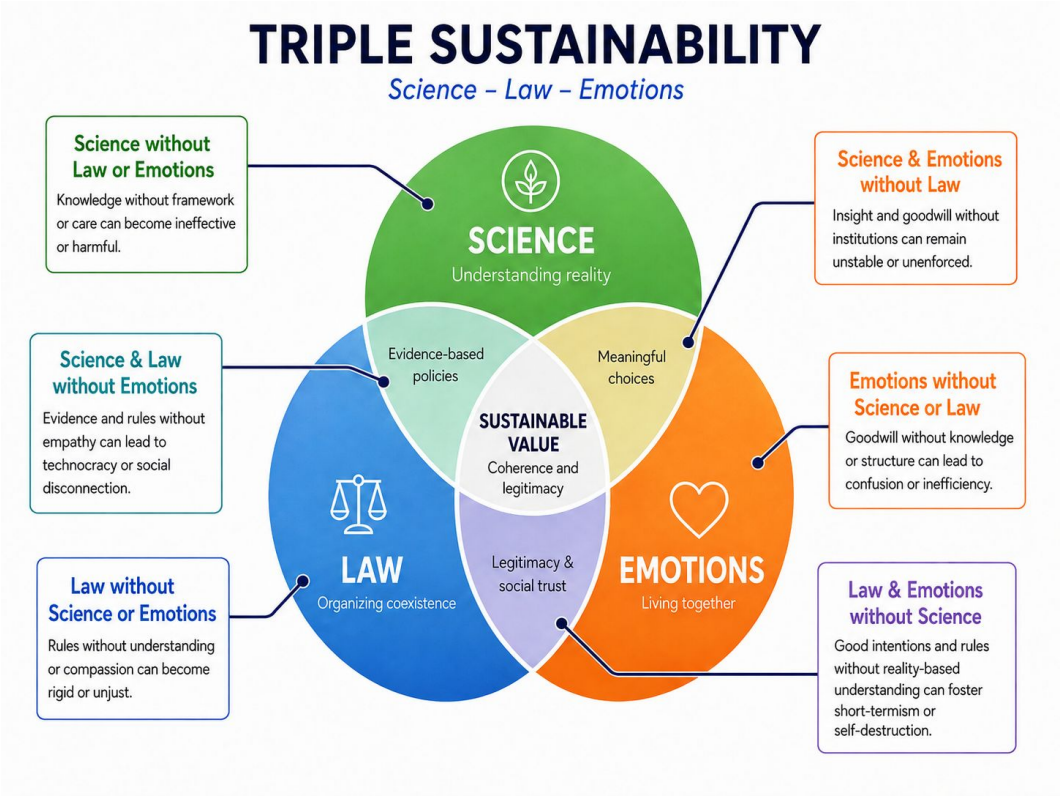
It integrates:

- what we know

- what we authorize

- what we want

A **theory of sustainable value** enables a system to recognize what allows it to hold together... or causes it to give way.



3. Measuring Value: Systemic Functions

Making Value Operational

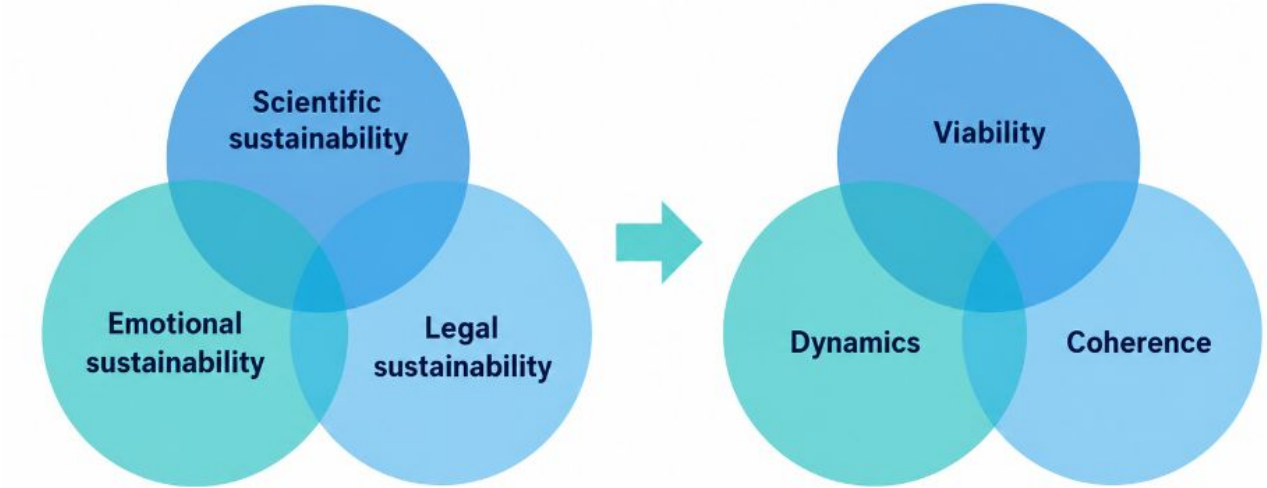
Triple sustainability can be translated into steering tools.

→ three complementary systemic functions

- system viability

- legal coherence

- collective dynamics and energy



3. Measuring Value: Systemic Functions

An Integrated View of the System

These three dimensions become observable.

→ they can be translated into systemic sensors :

- inform trade-offs

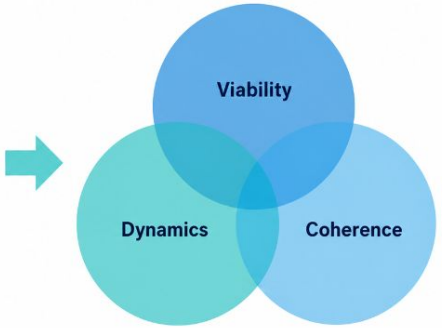
- guide decisions

in increasingly complex environments.

INTEGRATED ACCOUNTING BALANCE SHEET – HUMANITY & PLANET

		A	B	C	D	E	F	G
		ASSETS				LIABILITIES		
		CAPITALS Wealth of life	STATES Health of systems	VALUES CREATED Well-being & potential	LEGAL VALUE CREATED Rights guaranteed & rule of law effectiveness	HIDDEN COSTS / DEGRADATION Degradations & losses	MORAL DEBTS Injustices & exclusions	LEGAL DEFICITS Rights violations & unmet obligations
3	HUMAN BEINGS							
4	OTHER LIVING BEINGS							
5	ECOSYSTEMS							
6	KNOWLEDGE & CULTURES							
7	NATURAL RESOURCES							
8	REAL VALUE CREATED in service of the living +		ALIGNMENT Science – Law – Society for a fair & sustainable future			REAL VALUE DESTROYED or transferred to future generations –		

OBJECTIVE: AN ACCOUNTING FRAMEWORK THAT CLARIFIES TODAY'S CHOICES TO PRESERVE TOMORROW



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4. Continuous Improvement: Steering Loop

A complex system is steered through continuous adjustment:

Observe → Model → Decide → Act

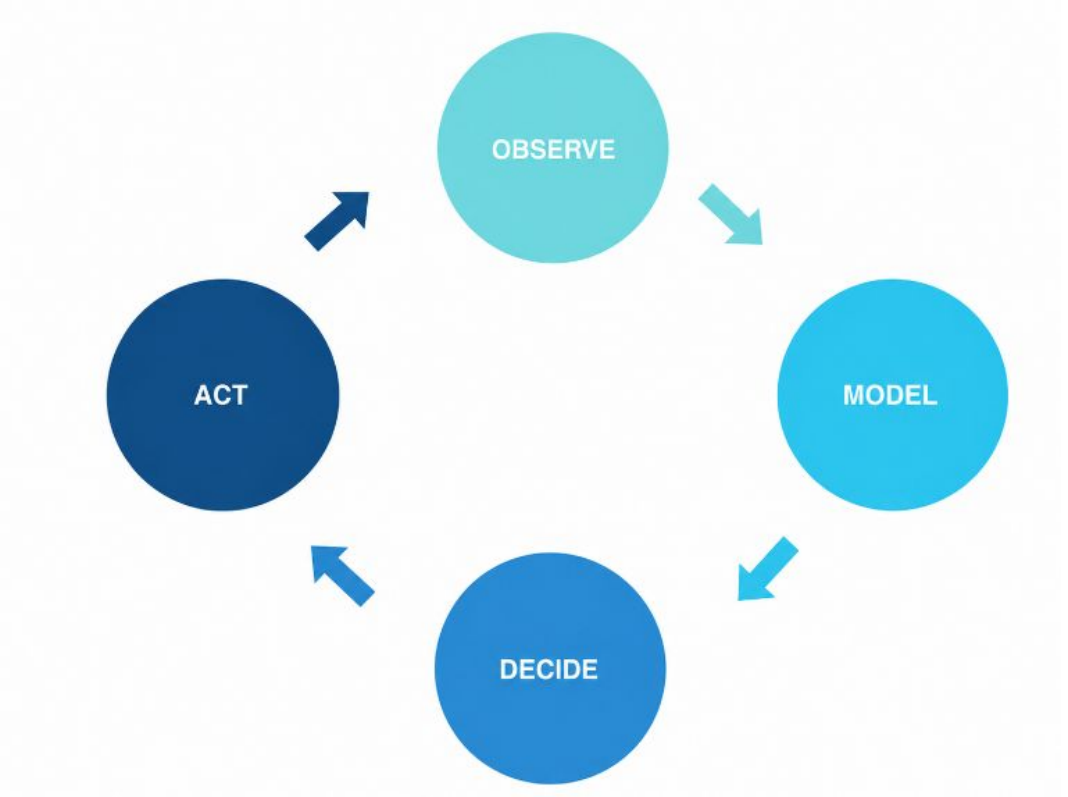
- observe the state of the system and its environment

- structure understanding

- make trade-offs

- act

→ continuously adjust trajectories



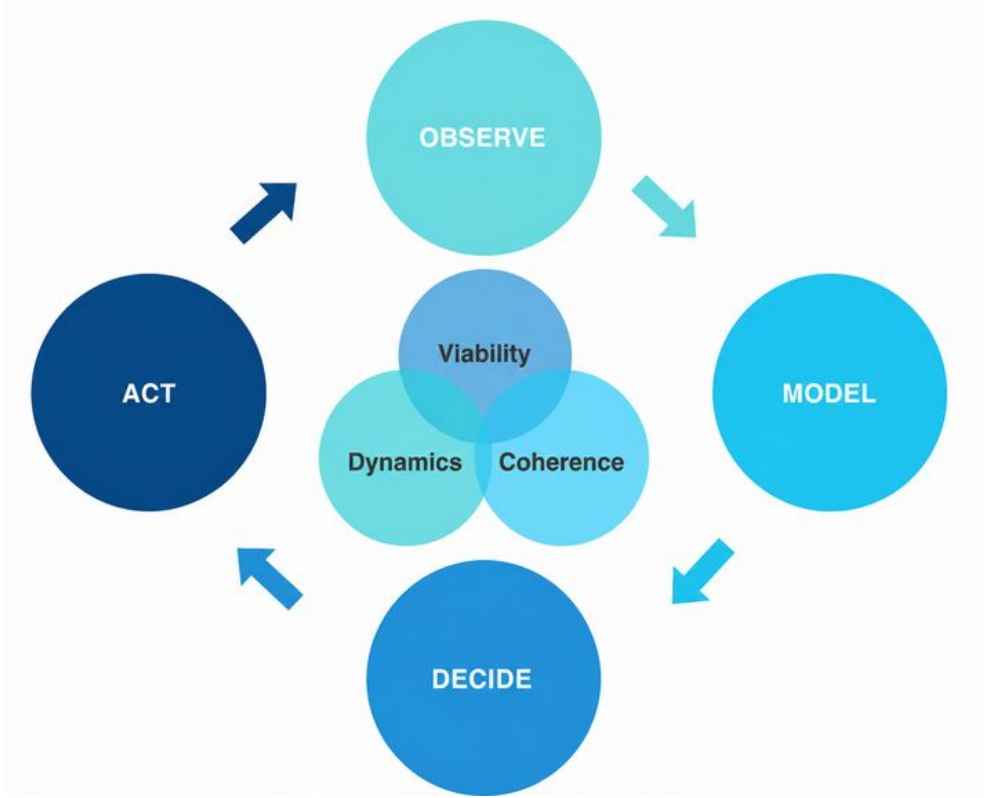
4. Continuous Improvement: Steering Loop

Informed Steering

The sensors inform decision-making.

Actions are tested in the real world.

→ the system continuously strengthens its capacities for adaptation and coherence



4. Continuous Improvement: Three Complementary Sensors

Organizational Biomimicry Index (OBI)

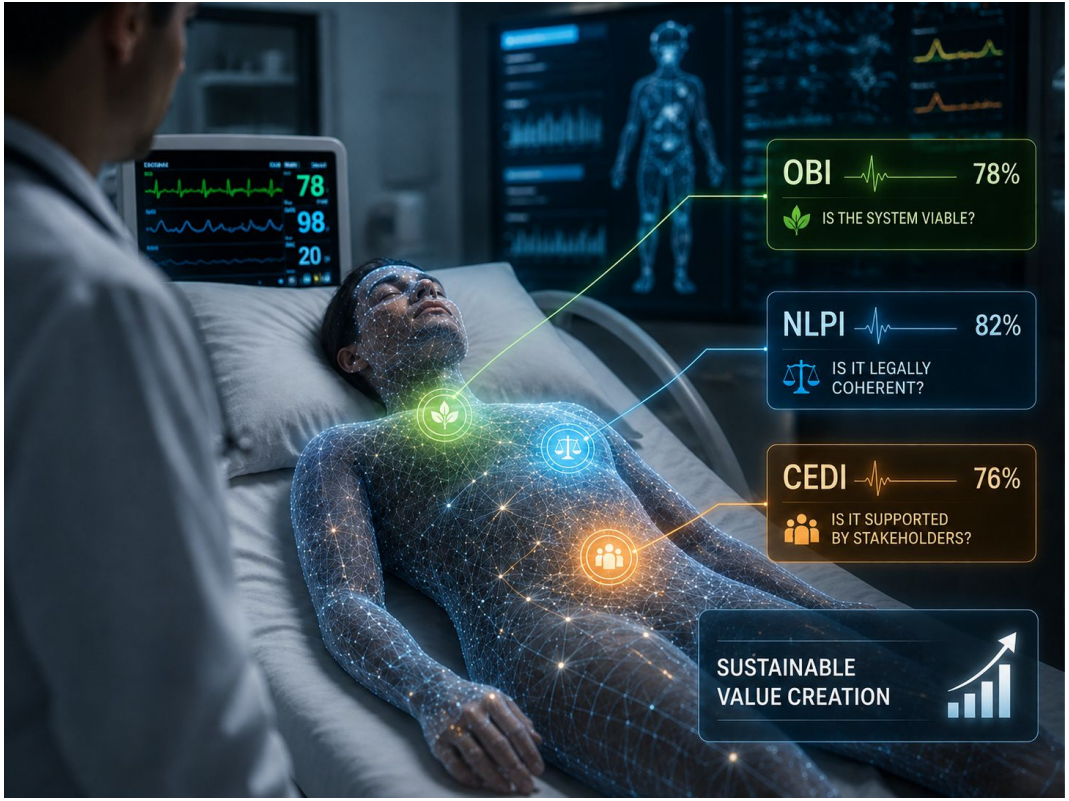
→ Is the system viable?

Net Legal Production Index (NLPI)

→ Is it legally coherent?

Collective Emotional Dynamics Index (CEDI)

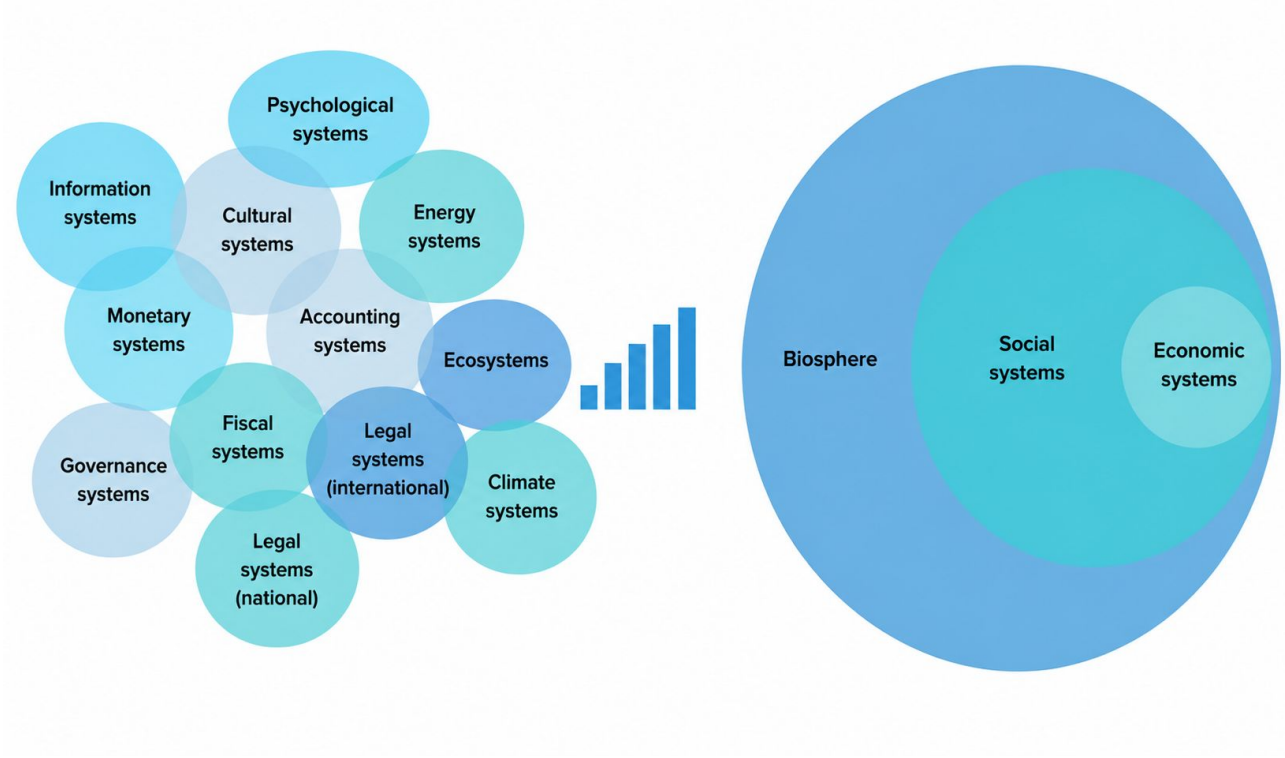
→ Is it supported by stakeholders?



5. Systemic Effects

By addressing several fundamental requirements, the **LUMEN steering infrastructure** enables sustainable value creation through:

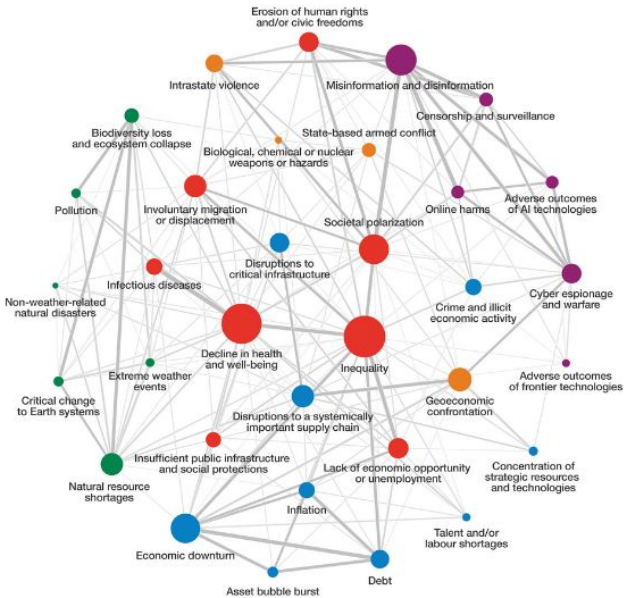
– **progressive alignment between law, science and society**.

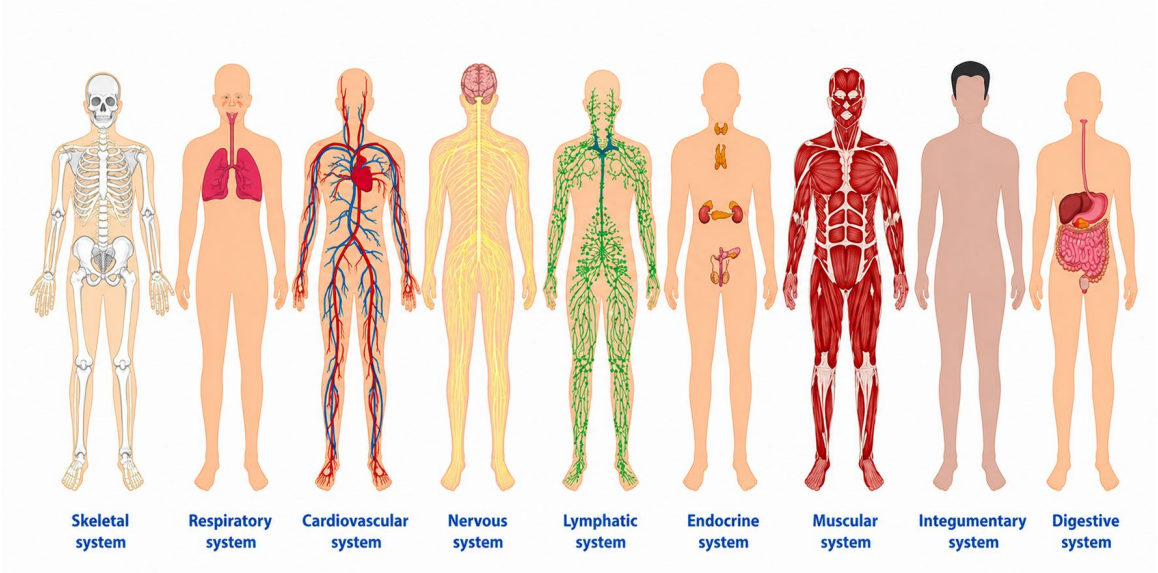


5. Systemic Effects

– a **reduction** in systemic risks, hidden costs and revenue leakages;

– improved **resilience** within and across systems.





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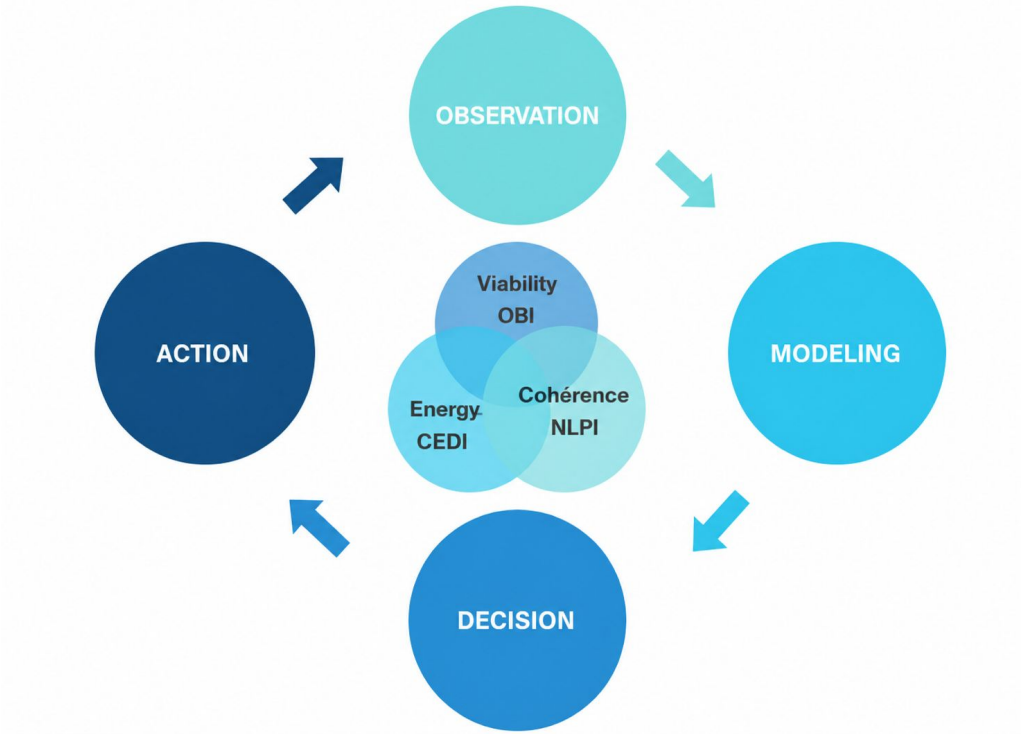
LUMEN Infrastructure

Theory of Sustainable Value / Continuous Improvement / Systemic Effects



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