

# THE ADMISSIBILITY PROGRAM: MAPPING THE FLYXION RESEARCH FRAMEWORK



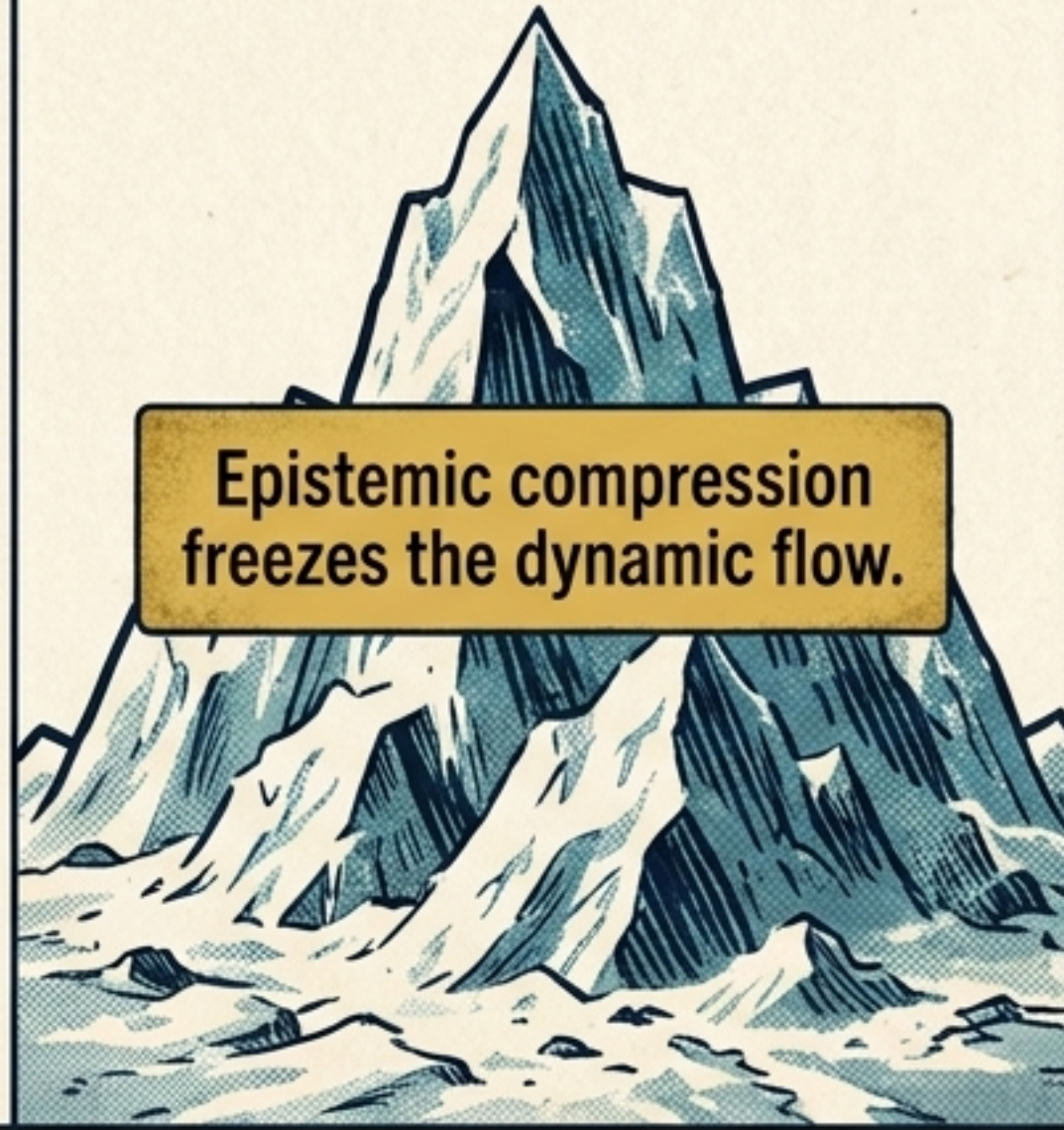
A comprehensive cartography of a fundamental paradigm shift:  
moving from an ontology of static objects to a cosmology of  
accessible futures, processes, and continuous repair.

# ***THE NOUN FALLACY: MISTAKING THE SNAPSHOT FOR THE PROCESS***



Reality is a landscape of constant transformations.

***PROCESS***



Epistemic compression freezes the dynamic flow.

***SNAPSHOT***



We take the label for the reality.

***NOUN***

Throughout history, we have frozen dynamic processes into nouns, forgotten they were ever in motion, and mistaken the compression as the cause.

# The Geometry of Reachable Futures

## 1. Admissibility Structure

The invisible topology of possibility. The rules of the world defining what can connect to what.

## 2. Trajectories

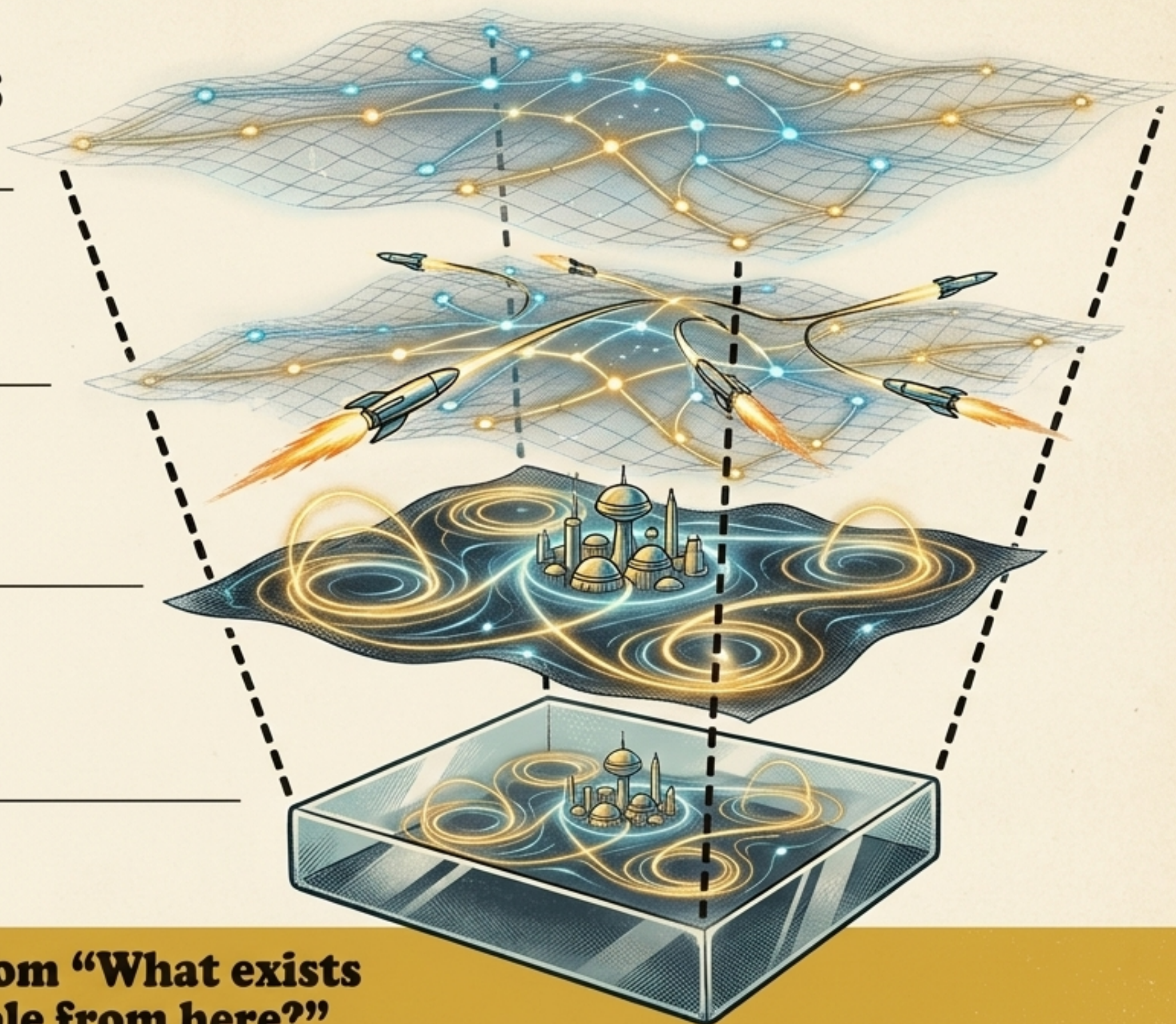
The specific paths moving through the possibility space. Many paths are possible; only some are taken.

## 3. Stable Residues

Trajectories that recur and linger, creating home basins and attractors. They endure because paths keep returning.

## 4. Nouns (The Illusion)

The mental bounding box we place around stable residues. A useful handle, but not the truth.



**The primary question changes from “What exists here?” to “What remains reachable from here?”**

# Core Intuitions Derived from Practice

The Admissibility Program did not originate in armchair philosophy, but from direct engagement with physical construction, plumbing, and property rehabilitation where replacement is impossible and continuity must be actively maintained.

## From Object → To Process



Focus on flows, relaxations, and activations rather than stable, discrete entities.

## From Location → To Accessibility



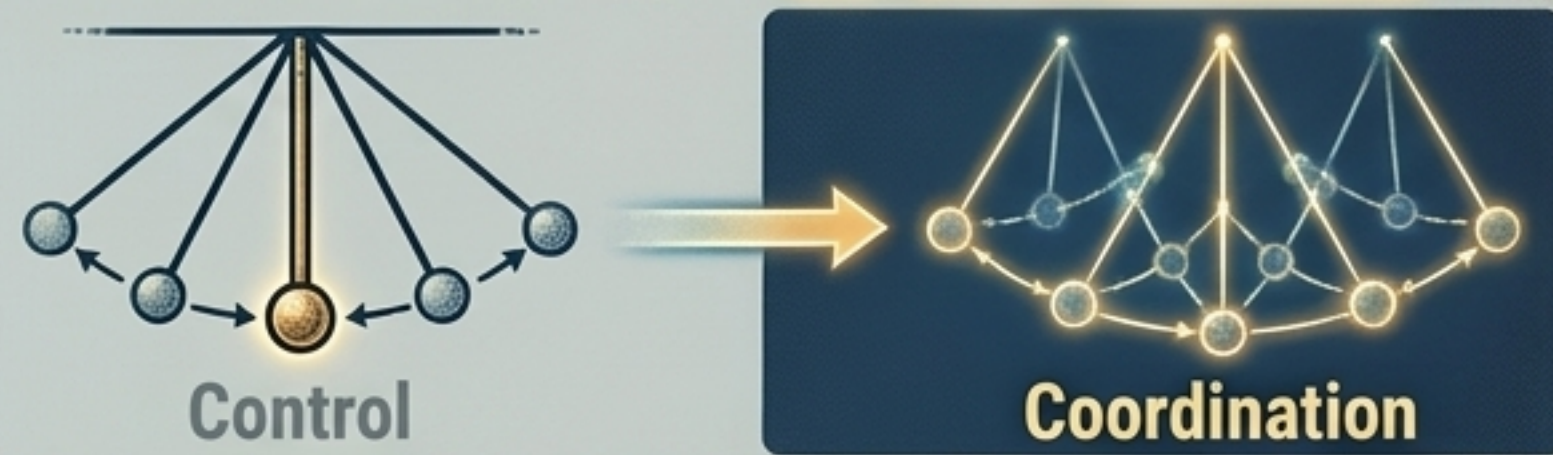
Navigable reachability overtakes spatial metric distance as the fundamental relationship.

## From Construction → To Repair



Structures persist not because of their initial assembly, but due to the active maintenance of admissible states.

## From Control → To Coordination



Systems synchronize local constraints rather than relying on global, centralized direction.

# The Stratigraphy of the Admissibility Program

**Surface:**  
Domain Applications



Civilisation  
Geometry



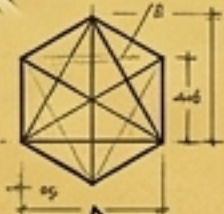
Semantic  
Navigation



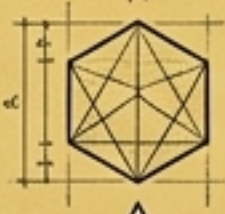
Process-Native  
Computing

**Crust:**  
Formalization  
Programs

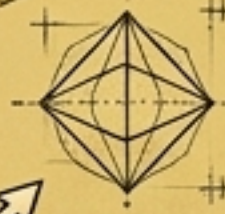
Derived  
Algebraic  
Geometry



AKSZ/BV  
Quantization



Holonomic  
Space



**Mantle:**  
Theoretical  
Frameworks

RSVP

Spherepop

CLIO

Repair Theory

Active Geodesic  
Inference

Reachability  
Ontology

**Subsoil:**  
Core Intuitions



Process



Accessibility



Repair



Coordination

**Bedrock:**  
Practice &  
Embodied Knowledge



Construction



Maintenance



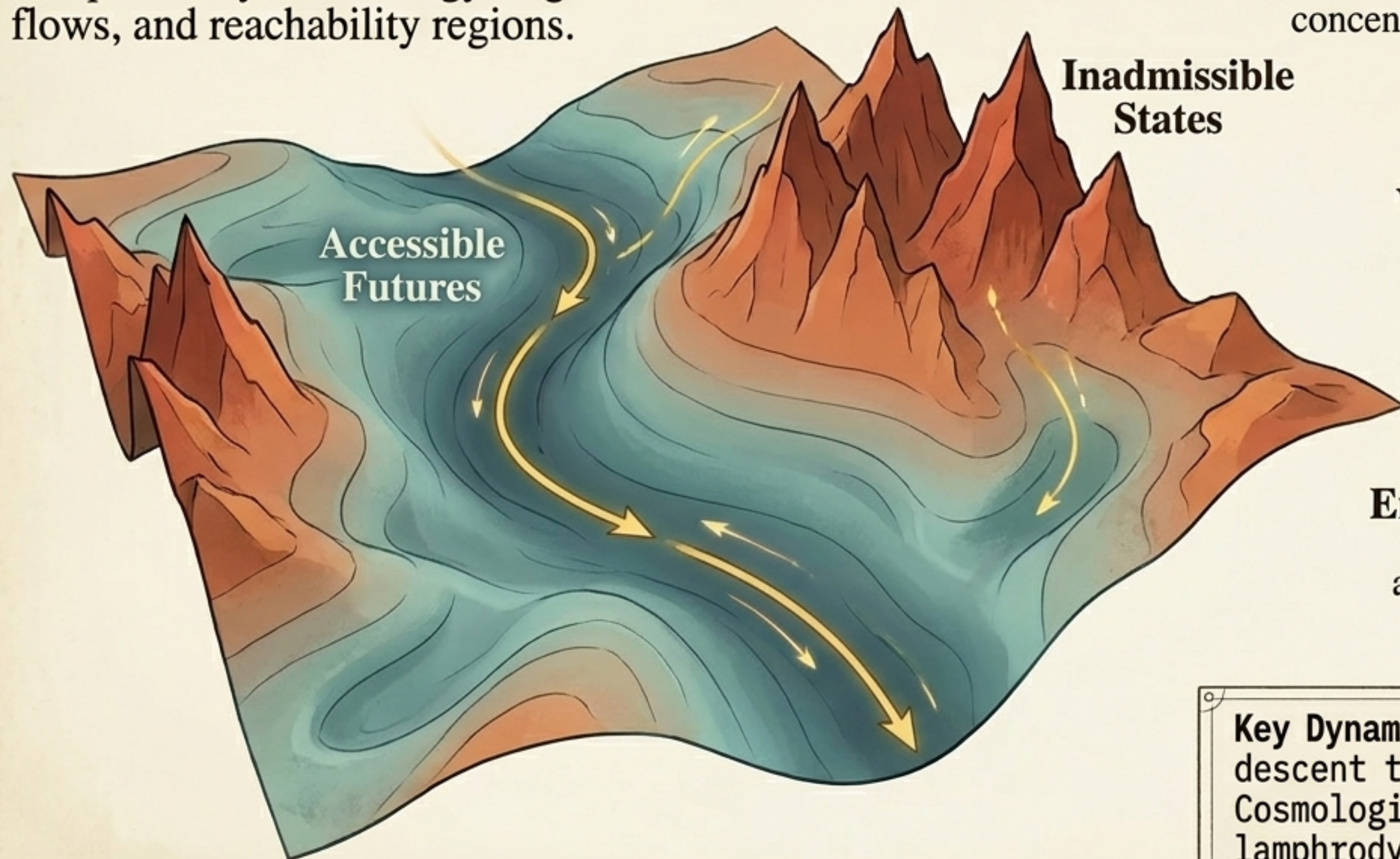
Physical  
Restoration

# The Primary Theories: Four Lenses on Admissibility

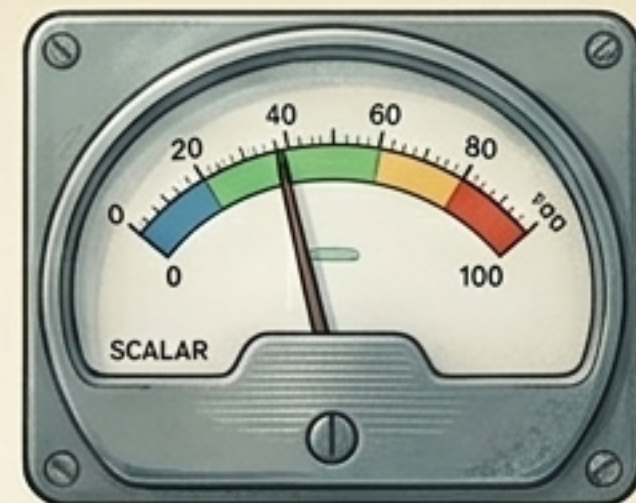
	<b>RSVP (Field-Theoretic)</b>	<b>Spherepop (Event-Theoretic)</b>	<b>CLIO (Epistemic)</b>	<b>Repair Theory (Persistence)</b>
<b>Central Claim</b>	Reality is governed by gradients, flows, and reachability.	Histories and discrete events are fundamental, not states.	Every description is a projection that reduces information.	Persistence is active maintenance, not initial construction.
<b>Core Primitives</b>	Scalar ( $\Phi$ ), Vector ( $v$ ), Entropy ( $S$ ).	Pop, Refuse, Bind, Collapse.	Projection operators, epistemic compression.	Repair relation, restoration geometry.
<b>Relationship to Entropy</b>	Gravity as entropy descent.	Initial in entropy-decreasing monoidal categories.	Pathological extraction destroys system constraints.	Fighting thermodynamic degradation to maintain latitude.

# RSVP: The Relativistic Scalar-Vector Plenum

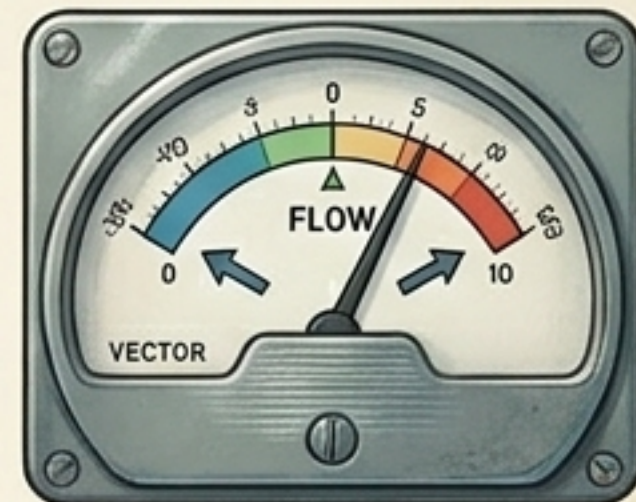
The classical object-position ontology is replaced by an ontology of gradients, flows, and reachability regions.



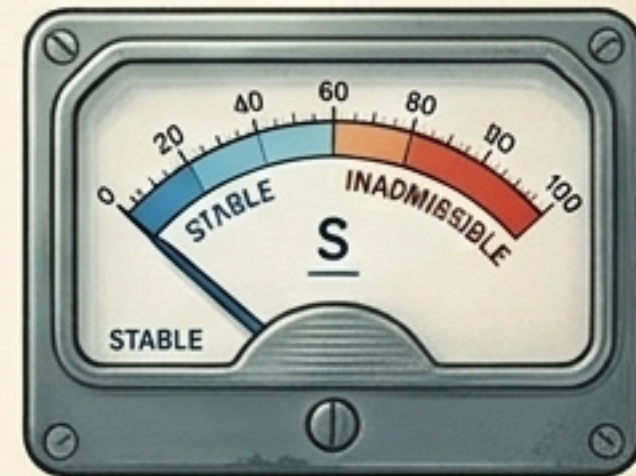
**Scalar ( $\Phi$ )**  
Coherence potential /  
concentration field.



**Vector ( $v$ )**  
Flow and  
directional  
alignment.



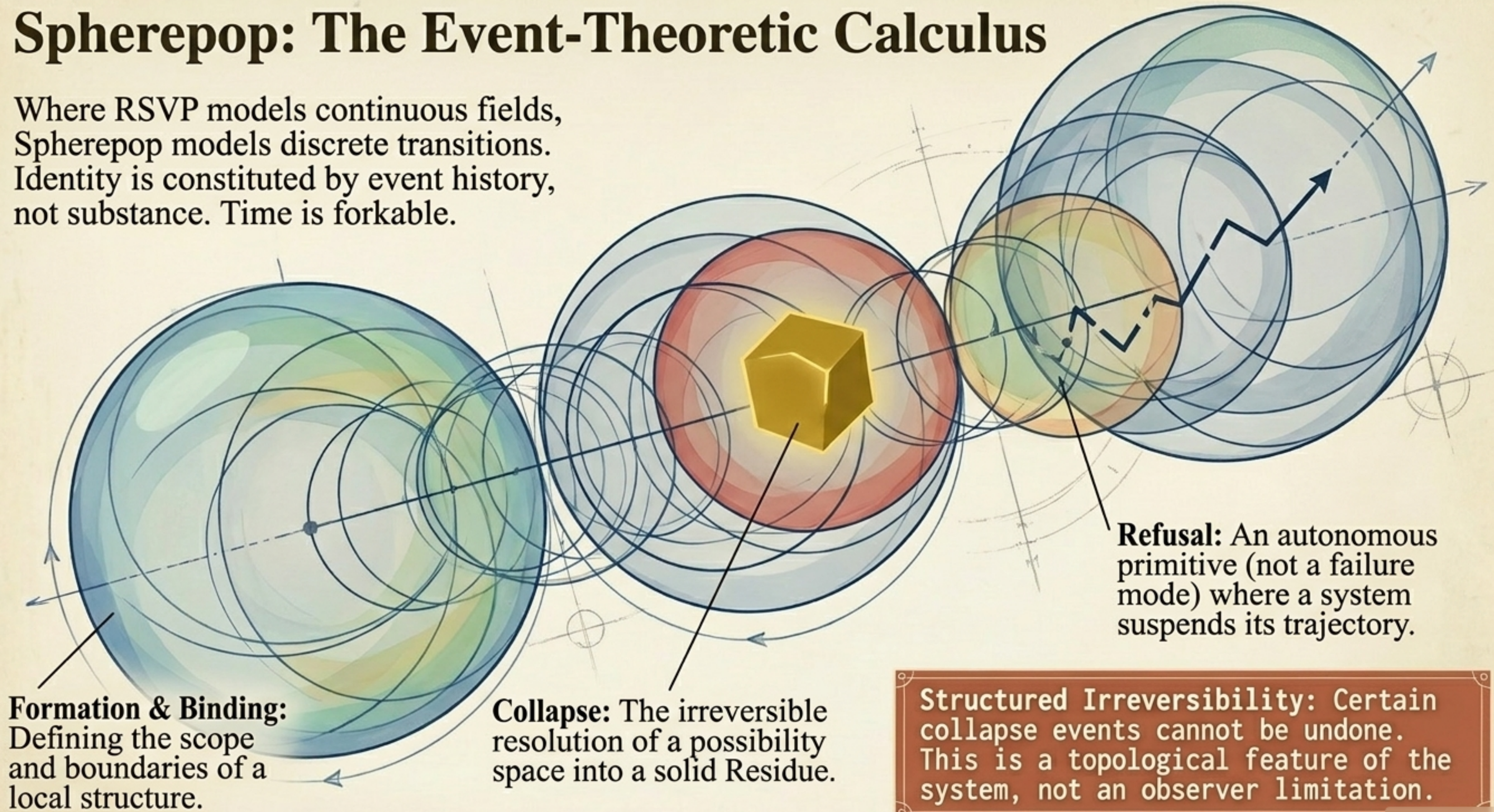
**Entropy ( $S$ )**  
Density and  
admissibility  
constraint.



**Key Dynamics:** Gravity is reinterpreted as descent through admissibility space. Cosmological smoothing is achieved via lamphrodyne relaxation, not inflation.

# Spherepop: The Event-Theoretic Calculus

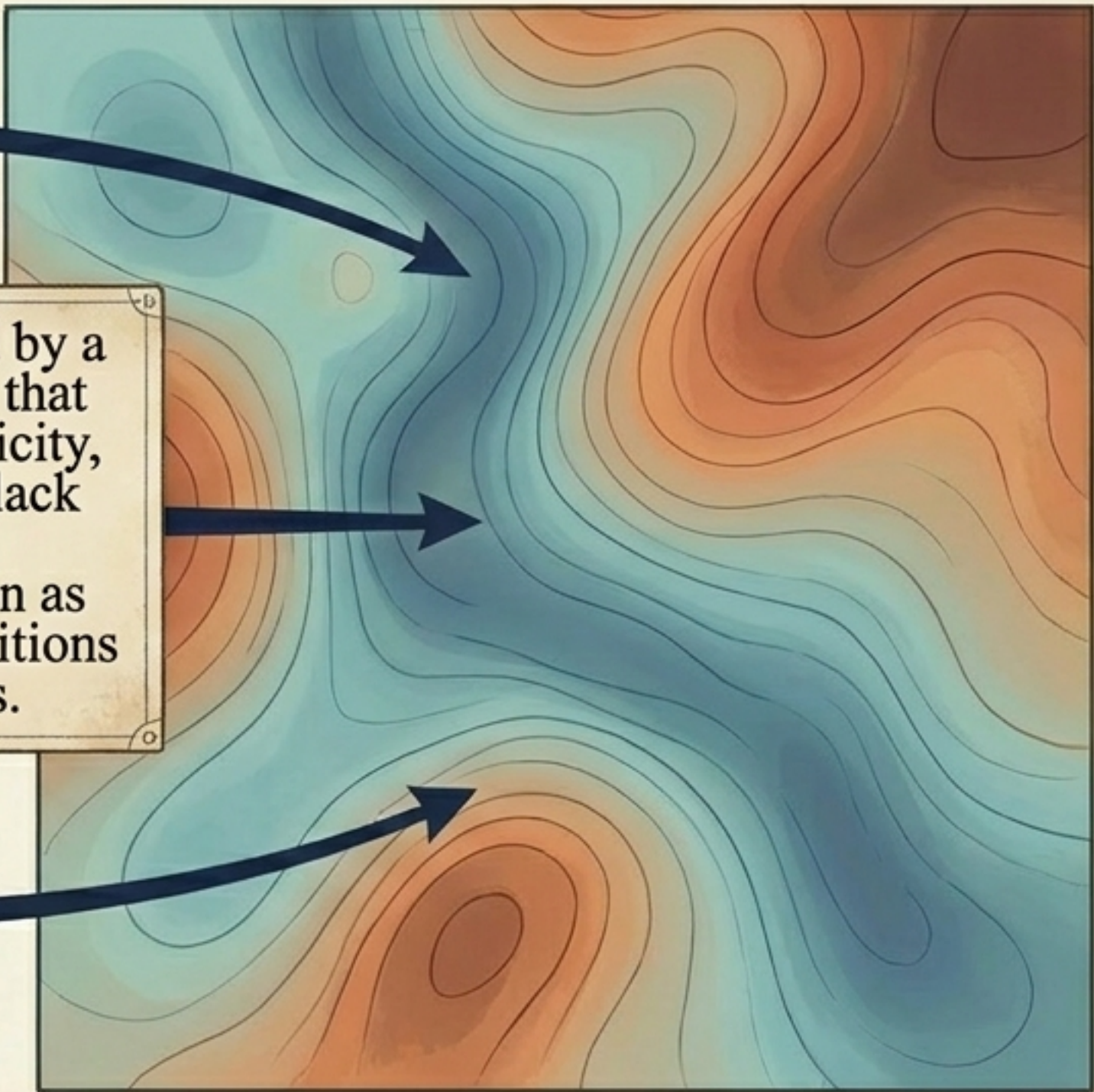
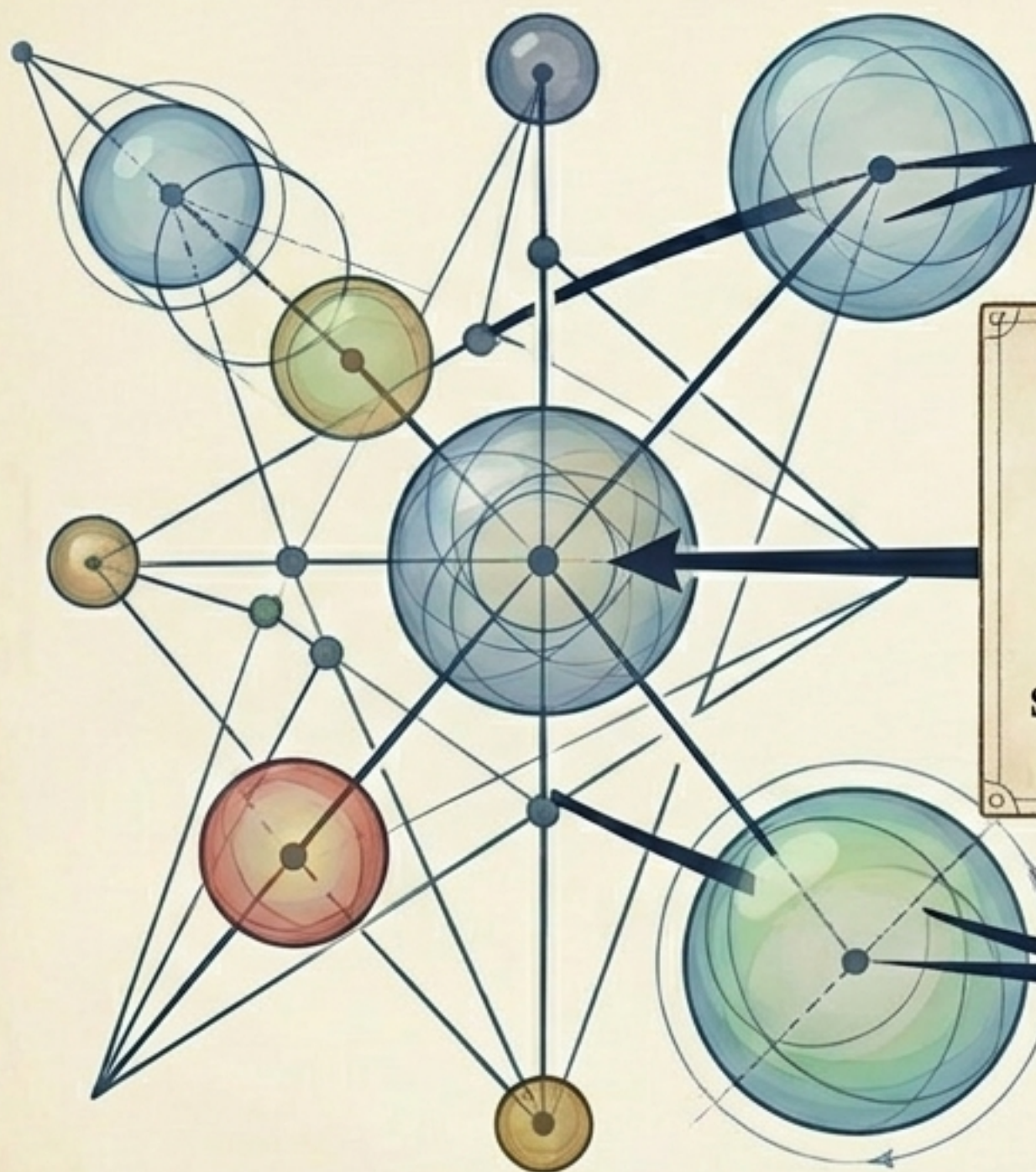
Where RSVP models continuous fields, Spherepop models discrete transitions. Identity is constituted by event history, not substance. Time is forkable.



# The Continuous-Discrete Functor ( $F: SP \rightarrow RSVP$ )

The Source Category (SP)

The Target Category (RSVP)



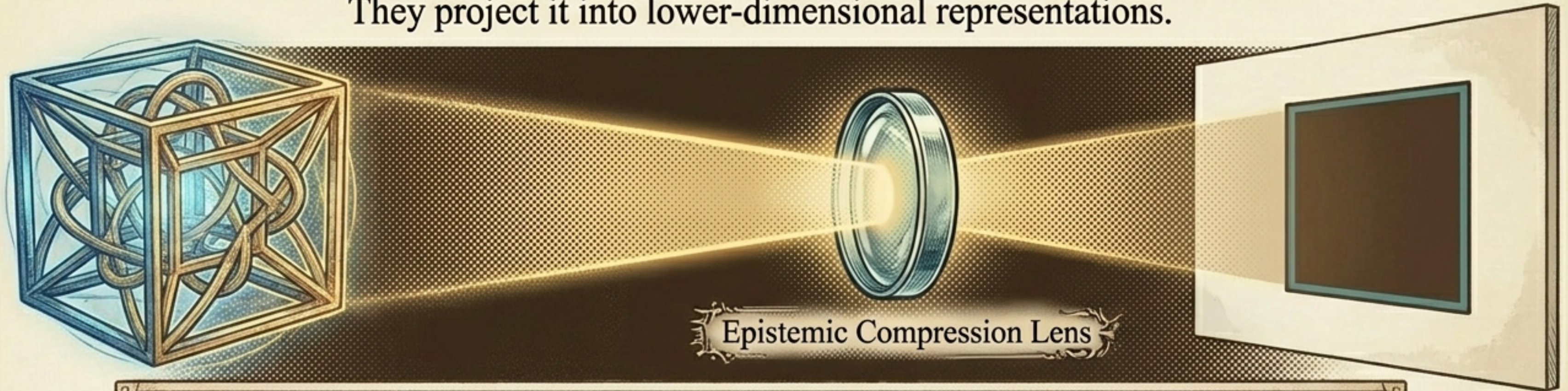
The interface is connected by a structure-preserving map that respects entropy monotonicity, using explicit "entropy-slack witnesses."  
Spherepop events function as singularities or phase transitions within the RSVP fields.

Irreversible combinatorial constraint accumulation.  
Discrete commitment dynamics.

Smooth coherence redistribution.  
Continuous field dynamics.

# CLIO: Abstraction as Reduction

If reality is a complex admissibility landscape, how do finite observers navigate it?  
They project it into lower-dimensional representations.



**The Core Thesis:** Abstraction is the completion of internal computation to allow outer complexity to grow without conflict. Every description loses information.

## Ethical Abstraction

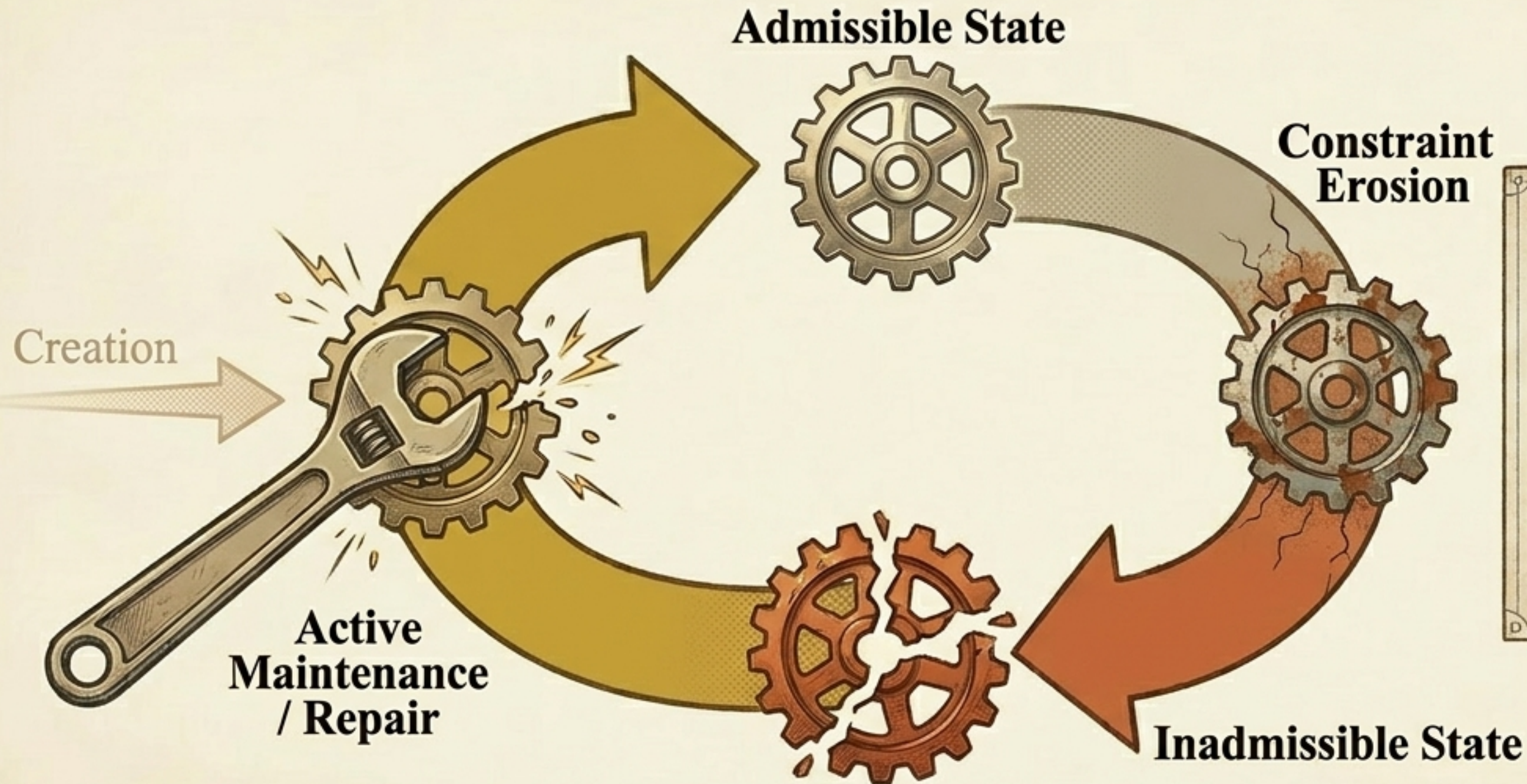
- Acknowledges incompleteness
- Preserves underlying admissibility
- Allows the territory to veto the map

## Pathological Extraction

- Treats the projection as the territory
- Discards critical constraints
- Prioritizes efficiency over truth.  
Leads to structural failure.

# Repair Theory: Reversing the Construction Paradigm

Standard ontology privileges construction: things come into existence through assembly.  
The Admissibility Program inverts this: Things persist through repair.



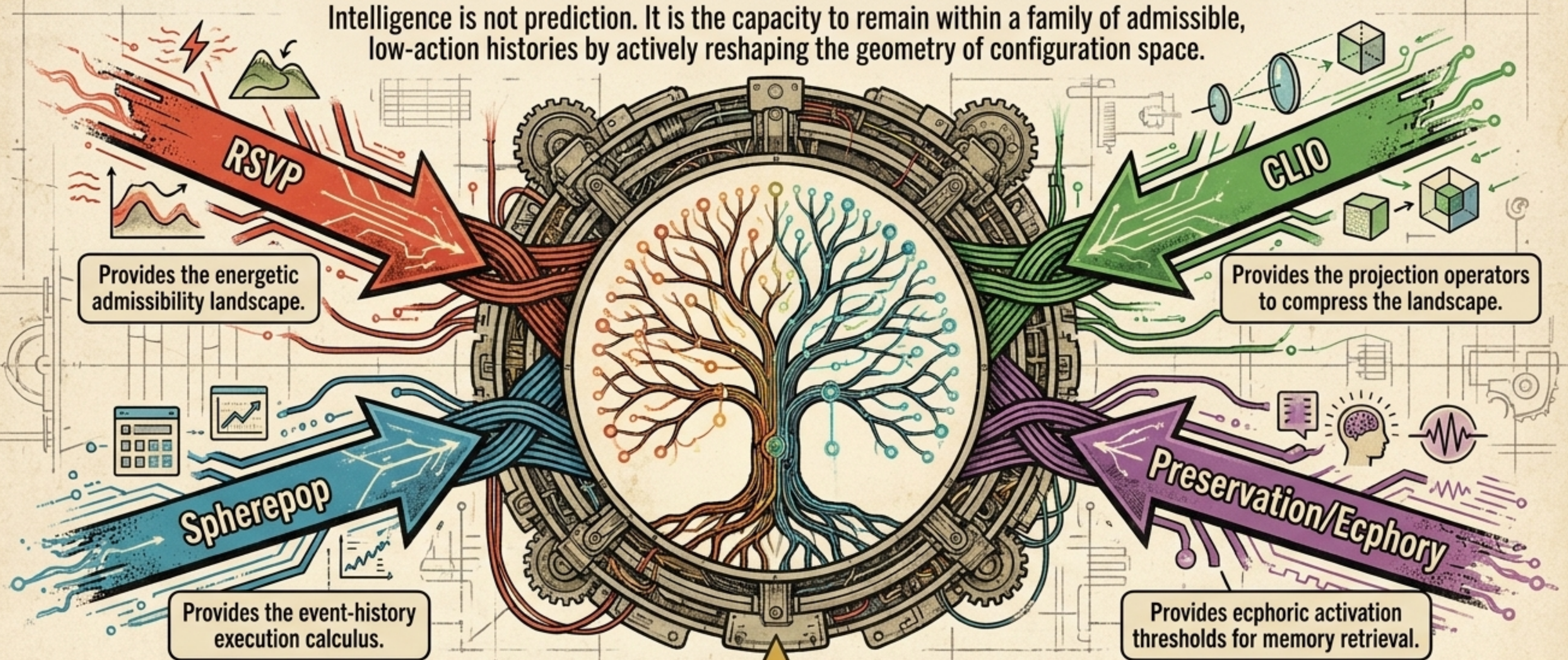
## The Repair Relation:

A formal primitive that characterizes how a system returns from inadmissible states back into the bounds of admissibility.

**Key Insight:** Construction is not the primary mechanism of reality. It is merely a special case of repair relations. Knowledge itself is defined as repair capacity.

# Synthesis I: HYDRA & Active Geodesic Inference

Intelligence is not prediction. It is the capacity to remain within a family of admissible, low-action histories by actively reshaping the geometry of configuration space.

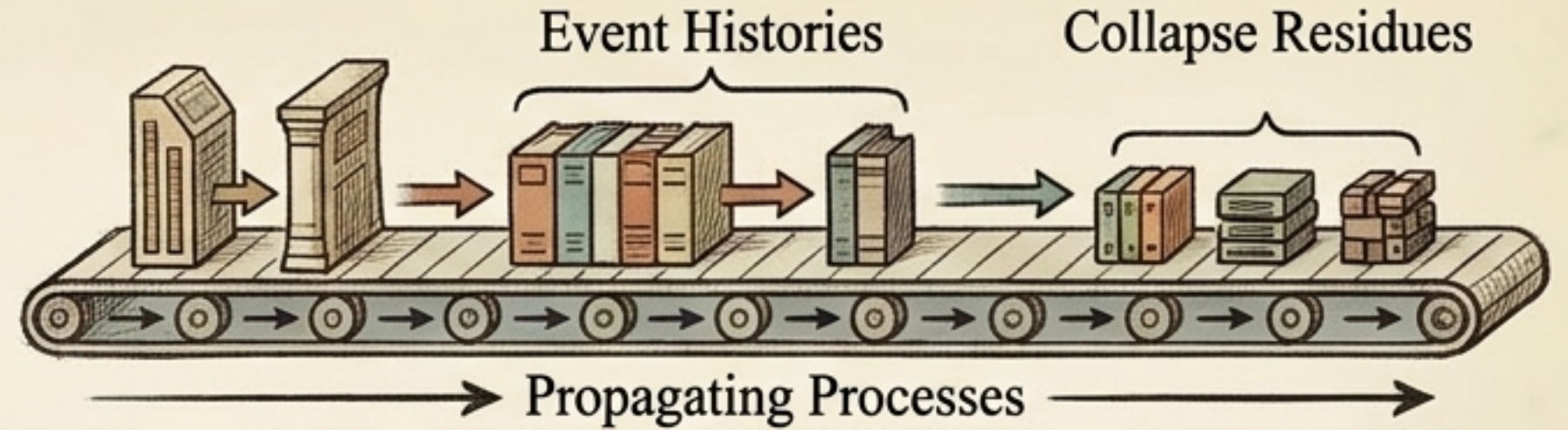


**Belief Geometry: A powerful mind preserves branches. True foresight requires keeping multiple distinct futures alive (semantic isomers) rather than prematurely collapsing into a single, confident failure.**

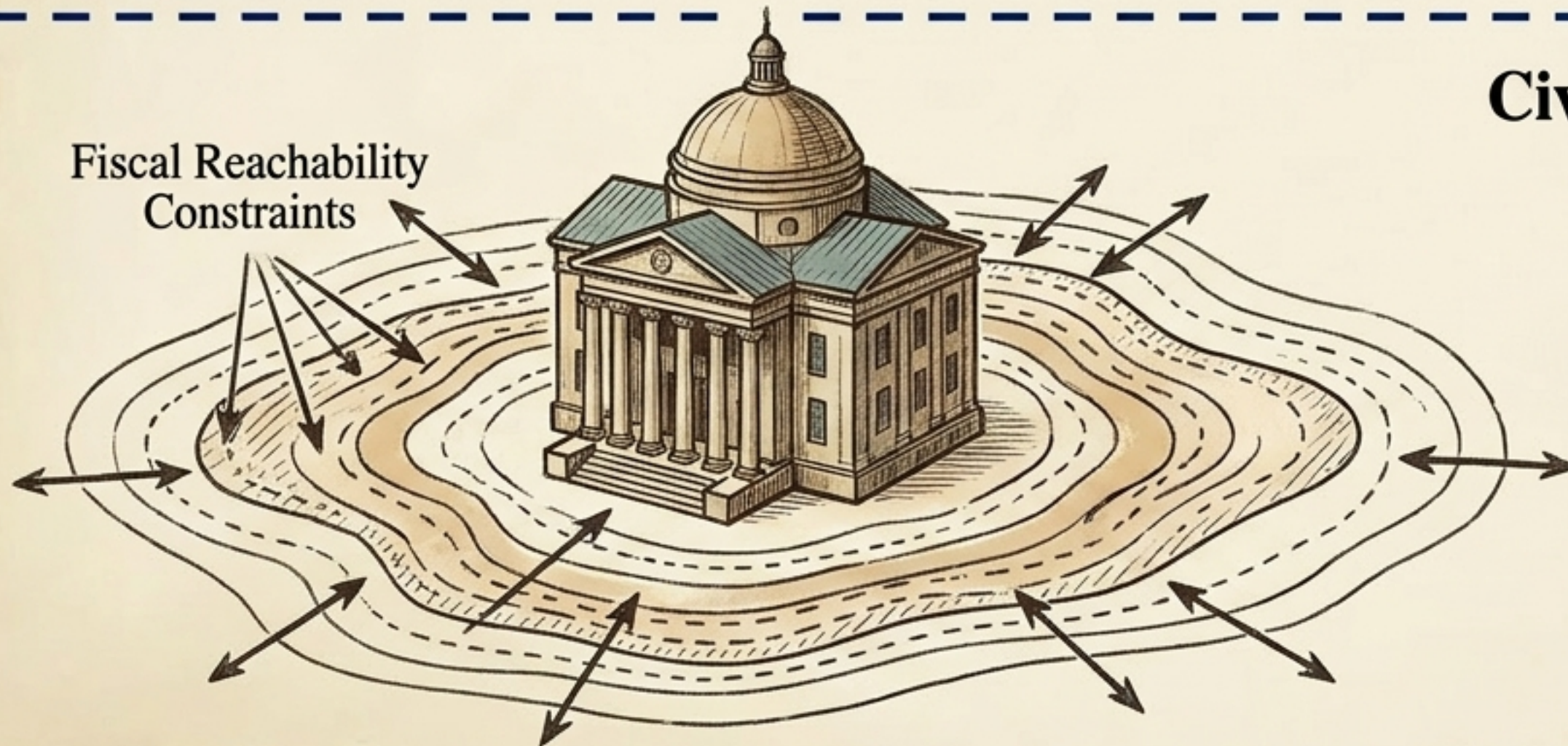
# Synthesis II: Process-Native Systems

Computers must be organized around **propagating processes**, not static applications and files.

## Process-Native Computing



State, persistence, and identity are reconceived as **event histories** and collapse residues (operating on the Spherepop calculus).



## Civilisation & Institutional Geometry

Institutions are mechanisms for maintaining collective admissibility across time.

**Civilisational Undo Stacks:** The requirement for institutional repair mechanisms.

**Fiscal Reachability:** Public finance treated as a reachability constraint on the space of implementable policy.

# Open Frontiers & Active Research

## The Projection-Invariance Problem

If CLIO states every description is a projection, how much observed structure is intrinsic to the RSVP landscape, and how much is an artifact of the observer's lens?

## Repair vs. Thermodynamics

Is repair an irreducibly primitive category, or can it be mathematically derived as a directed trajectory within RSVP admissibility dynamics?

## Coordination and Meaning

Can semantic structure emerge purely from the Kuramoto-style synchronization dynamics of Coordination Geometry, without representational intent?

**Across physics, cognition, memory, computation, ecology, and civilisation, the primary explanatory object is neither substance nor information but the structure of admissible transformations.**

Stable entities emerge as maintained regions of admissibility.	Repair is the restoration of lost admissibility.
Cognition is navigation through admissibility landscapes.	Meaning is the result of coordination within synchronized regions.

**Reality is Reachability. Keep the branches open.**