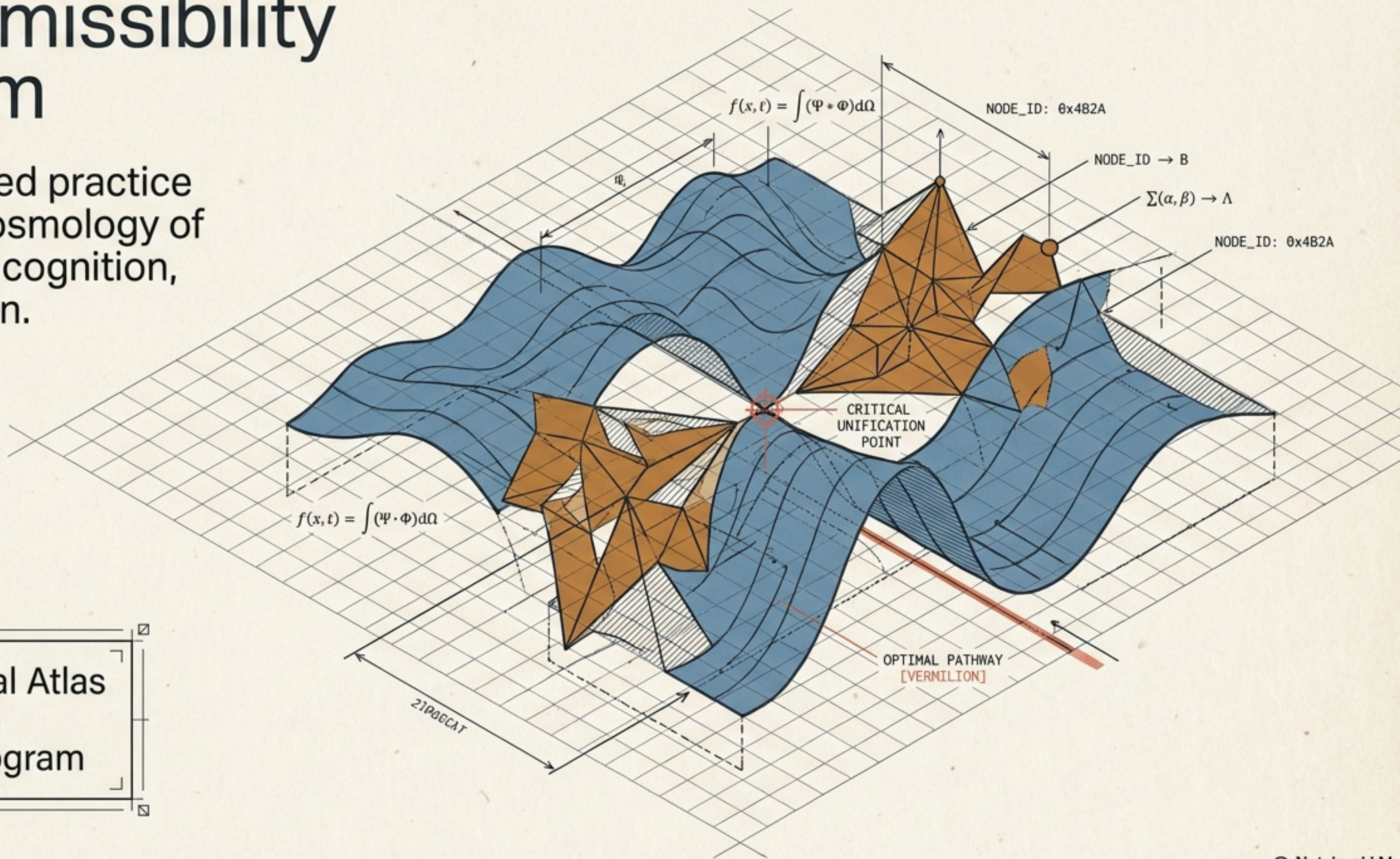


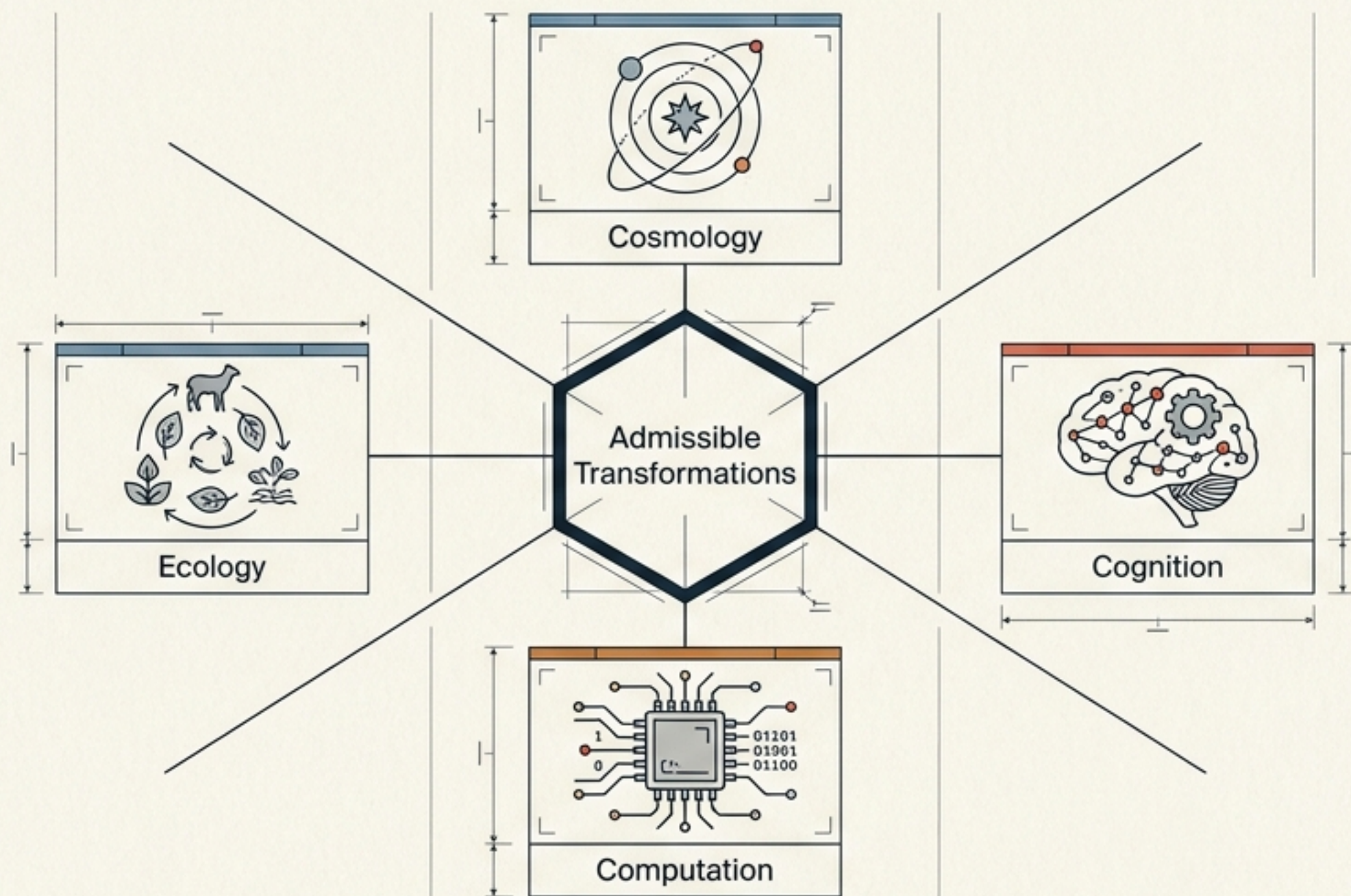
The Admissibility Program

From embodied practice to a unified cosmology of computation, cognition, and civilisation.



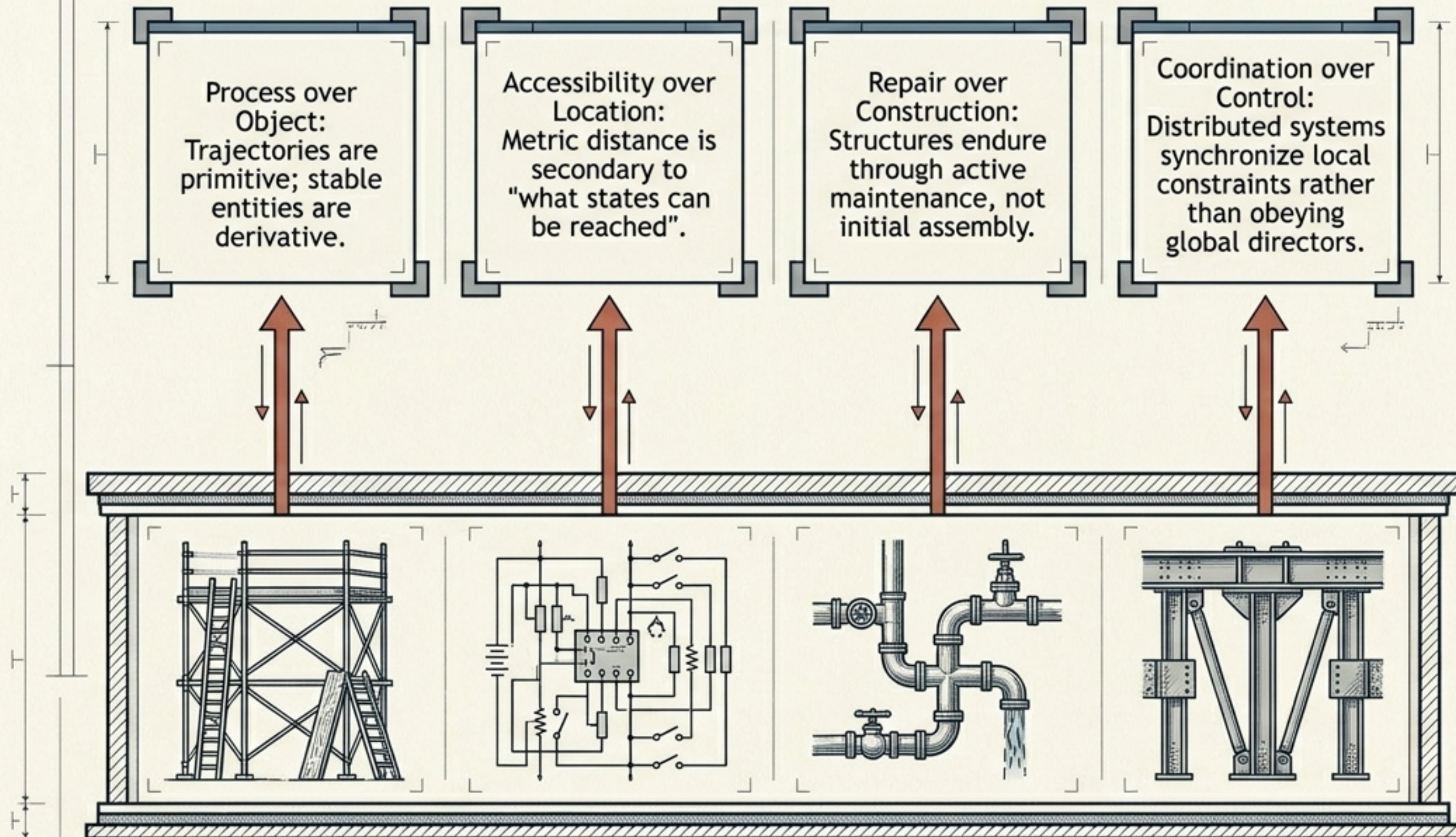
An Intellectual Atlas
of the Flyxion
Research Program

Reality is Composed of Transformations, Not Things



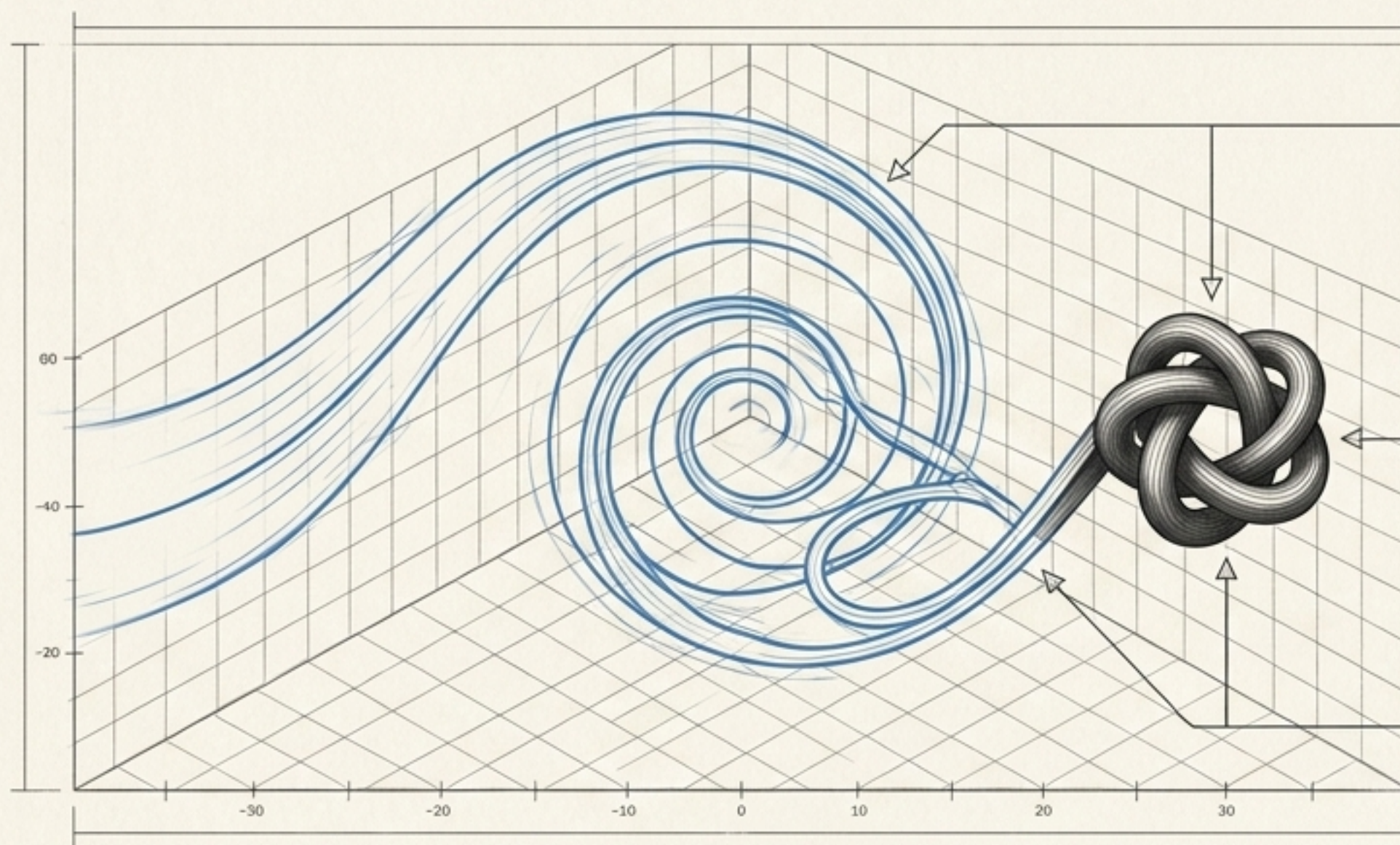
“Across physics, cognition, memory, computation, ecology, and civilisation, the primary explanatory object is neither substance nor information but the **structure of admissible transformations**. Stable entities emerge as maintained regions of admissibility.”

Theoretical Frameworks Grounded in Physical Constraints



Reachability Ontology: Verbs Masquerading as Nouns

The primary question is never what exists here?
but what can be reached from here?



Objects = Frozen
trajectories that have
become locally stationary.

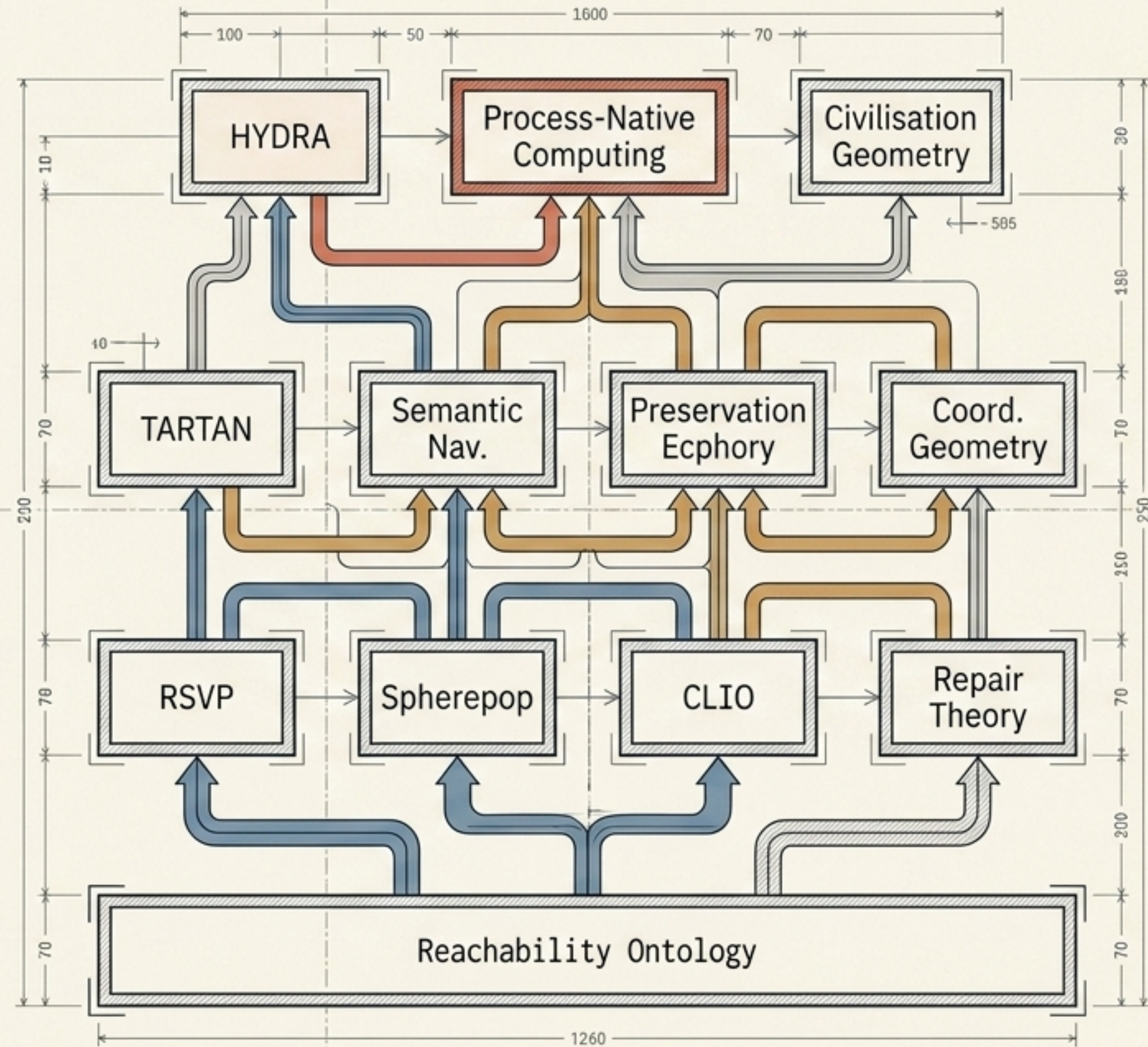
Persistence = Maintained
accessibility.

Identity = Trajectory
continuity.

Frozen Process



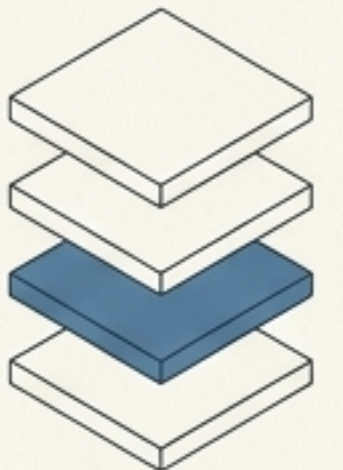
The Five-Layer Intellectual Architecture



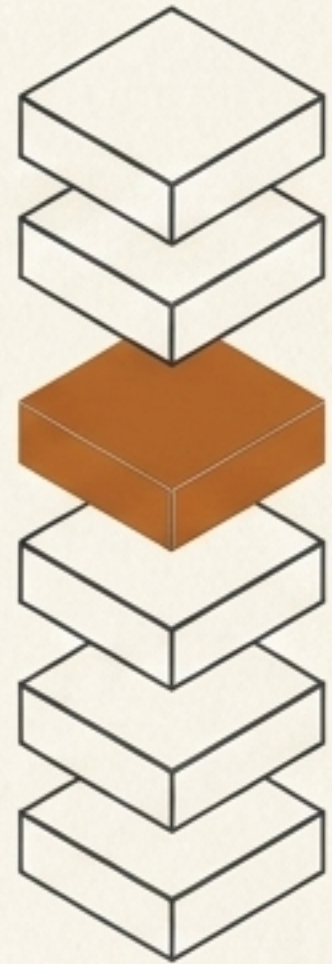
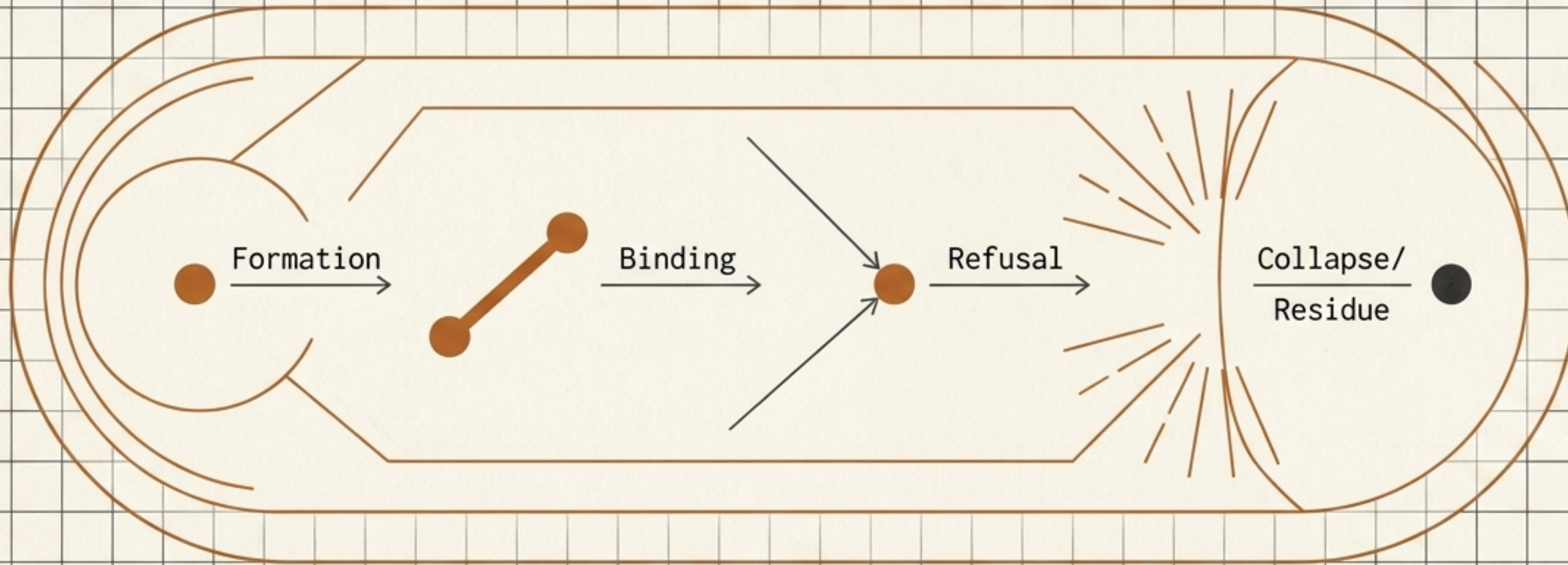
- L1: Practice & Ontology (Bedrock)
- L2: Primary Theories (The Pillars)
- L3: Secondary Formalisms (Connective Tissue)
- L4: Formalization (Rigorous Translation)
- L5: Domain Applications (Synthesis)

The Primary Theoretical Pillars

Theory	Core Domain	Fundamental Primitive	Key Philosophical Stance
RSVP	Cosmology / Physics	Continuous Fields	Reality is an admissibility landscape.
Spherepop	Computation	Discrete Events	Identity is event history; time is forkable.
CLIO	Epistemology / Observation	Projection Operators	Abstraction is reduction of inner complexity.
Repair Theory	Persistence	The Repair Relation	Construction is a derived subset of repair.
Active Geodesic Inference (AGI)	Intelligence	Semantic Isomers	Intelligence is active geodesic inference.



Spherepop: Geometry and the Transparency of Computation



History as Identity

A system's identity is constituted entirely by its irreversible event history.

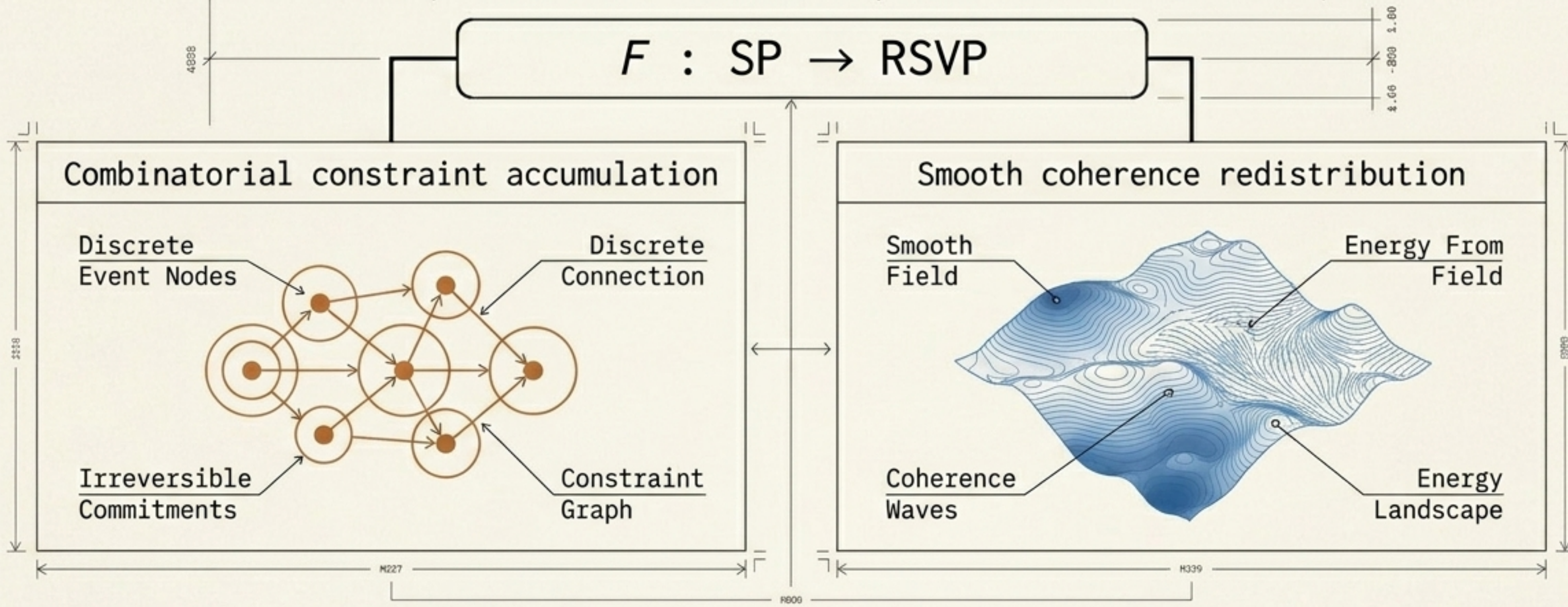
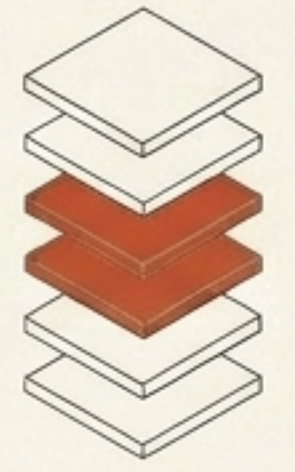
Scope as Geometry

The boundary of a bubble is a topological feature dictating what futures are accessible.

The Autonomy of Refusal

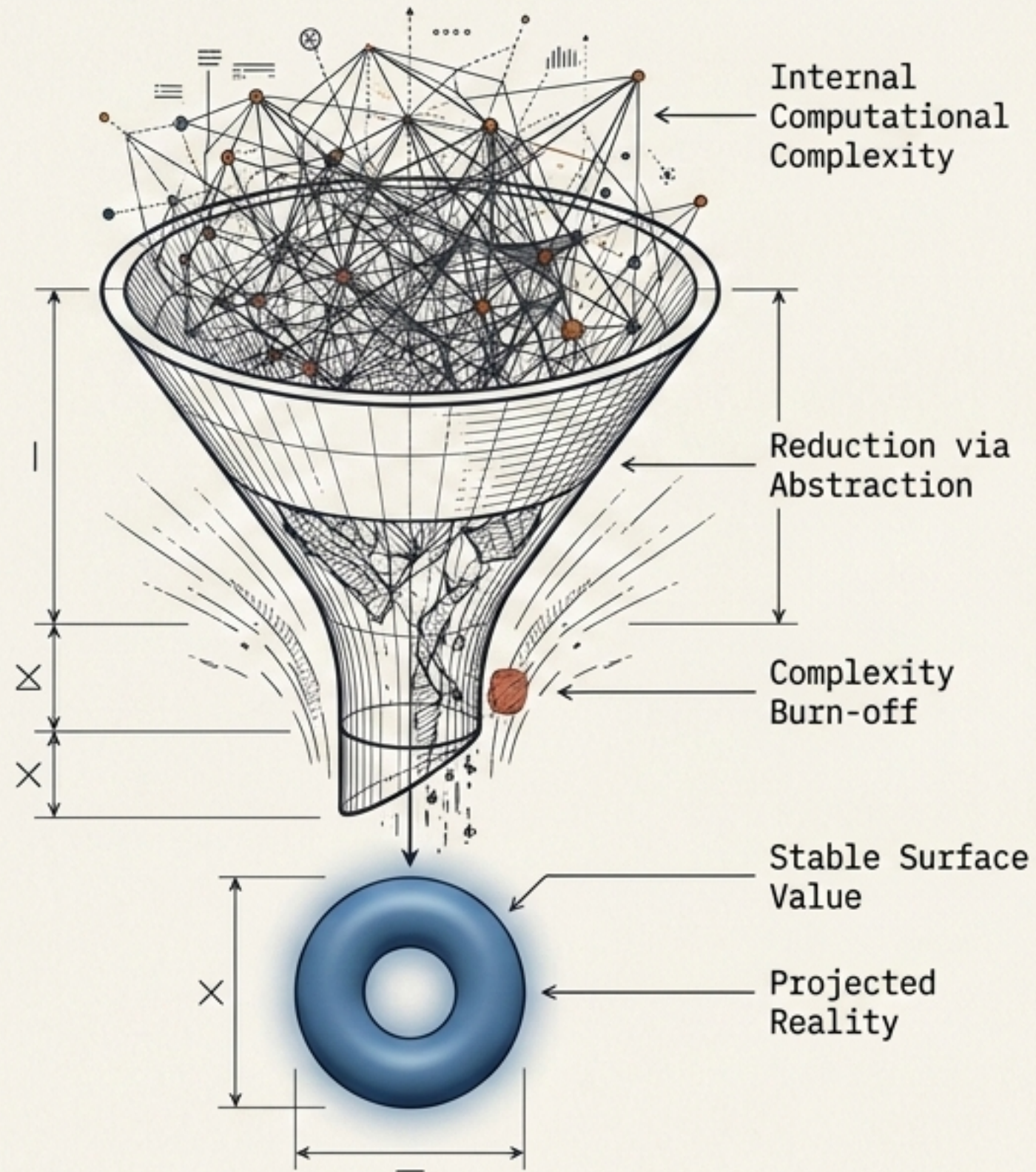
Refusal is a formal primitive, not a failure mode.

The Interface Problem: Connecting Computation to Physics



The Spherepop category (SP) maps irreversible discrete commitments into the RSVP smooth realization category via a symmetric monoidal functor carrying explicit entropy-slack witnesses.

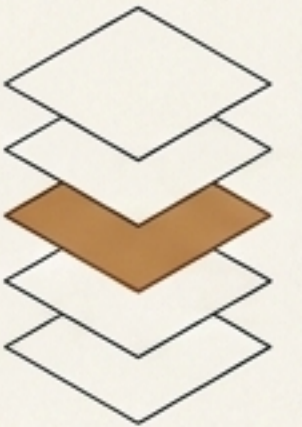
CLIO: Observers Project Reality by Burning Away Complexity



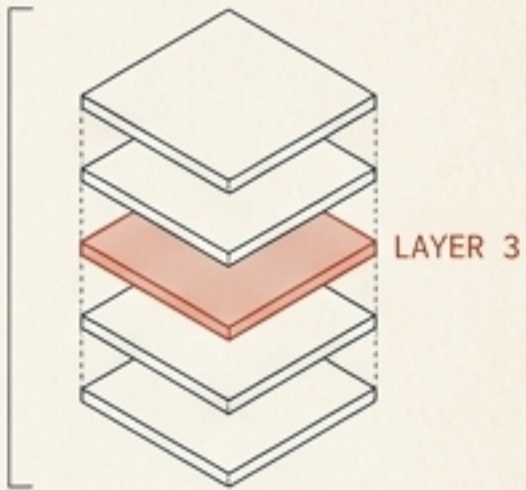
Abstraction is Reduction:

The completion of necessary inner computation so outer complexity can grow without conflict.

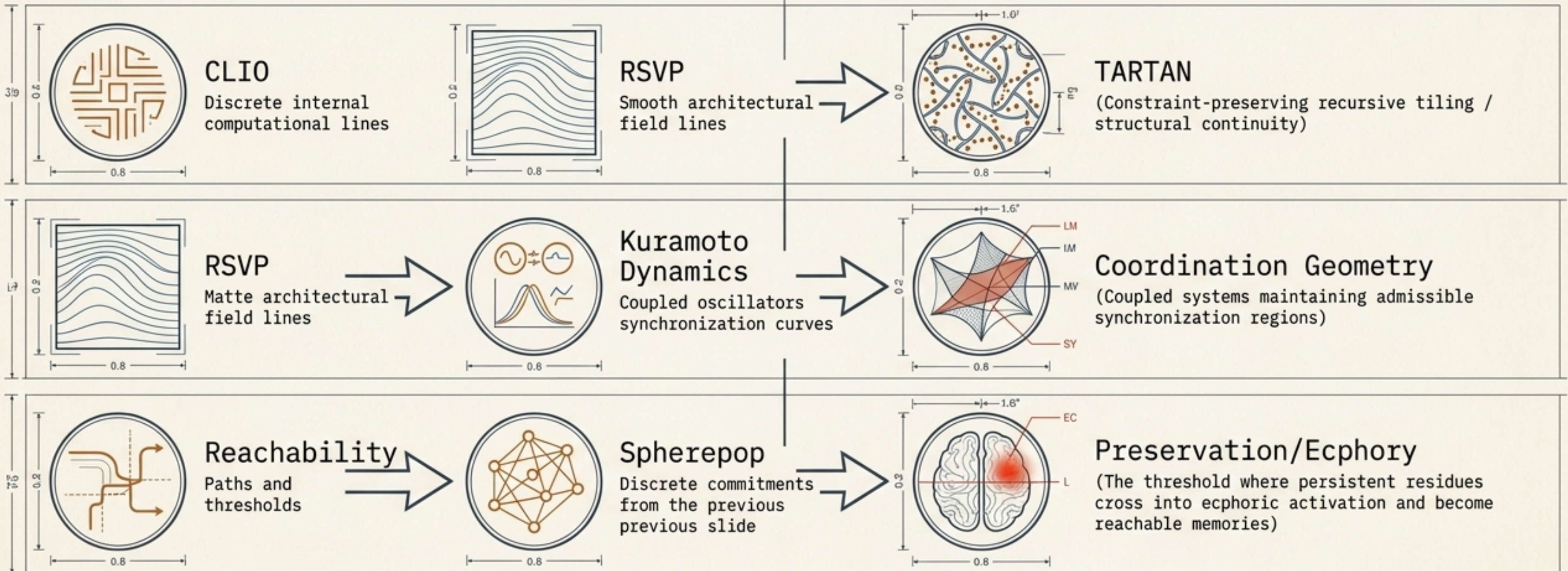
Ethical Abstraction vs. Extraction: Ethical models acknowledge their omitted complexity and preserve admissibility. Pathological extraction treats the simplified projection as the absolute territory.



Connective Tissue: The Secondary Formalisms

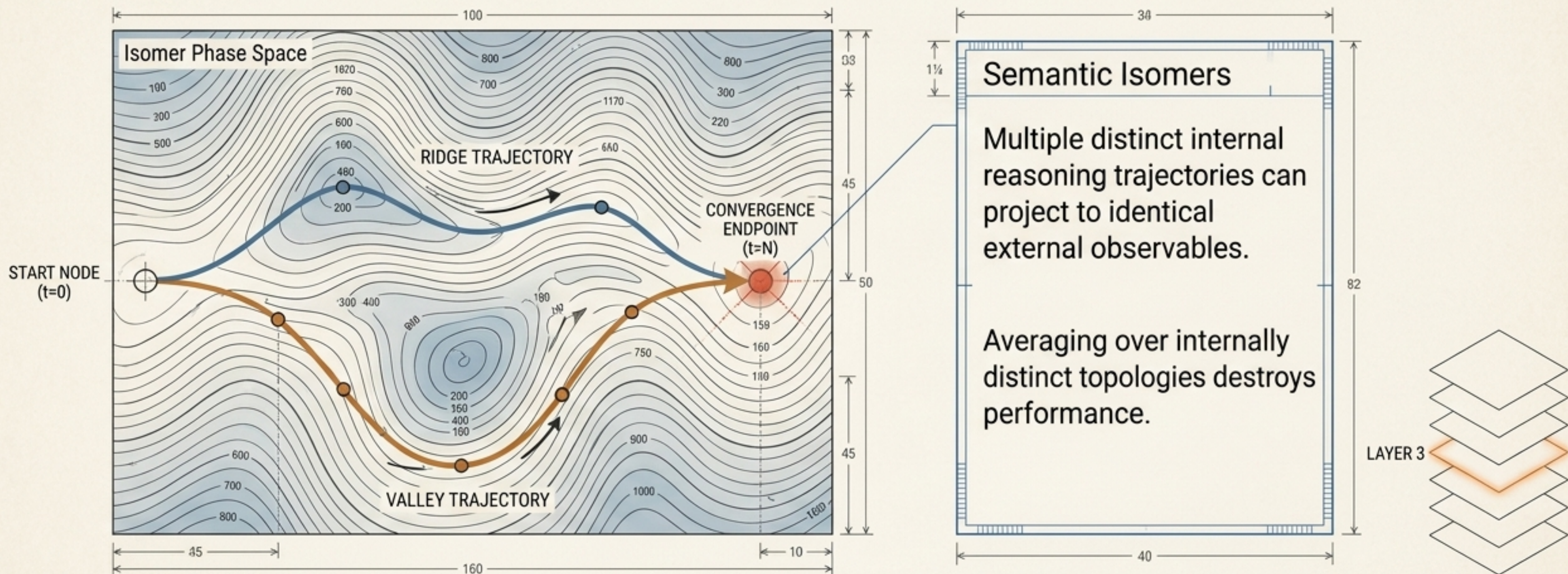


Formalisms extend the foundational intuitions to multi-scale decomposition, neural synchronization, and memory reachability.



Active Geodesic Inference (AGI): Intelligence as Trajectory Maintenance

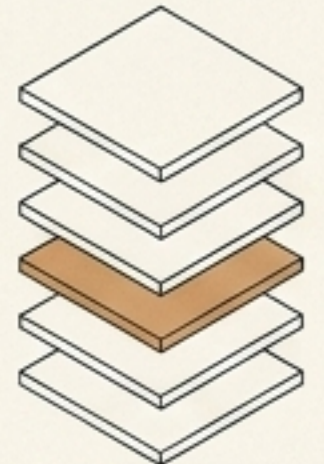
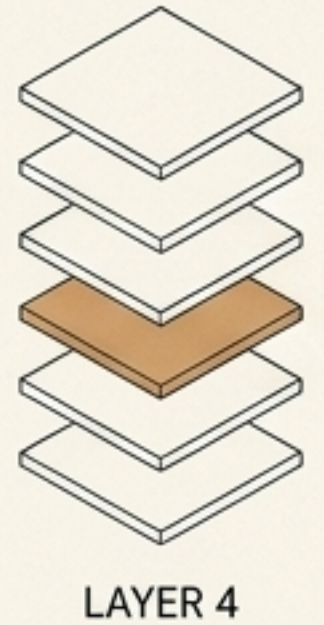
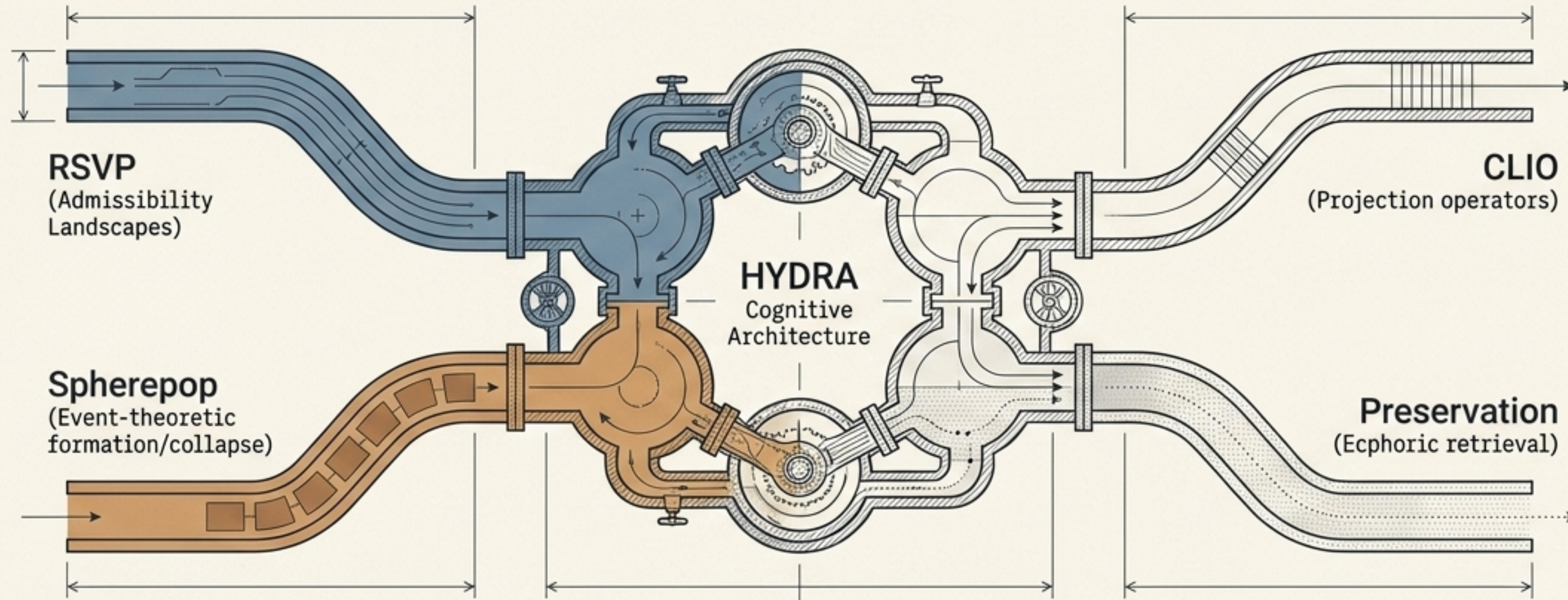
Energy Landscapes, Trajectory Bifurcation, and Convergence



The 6th Axiom

Intelligence is a history-indexed, variationally governed, thermodynamically oriented, Gibbs-bonded, synchronization-coupled dynamic.

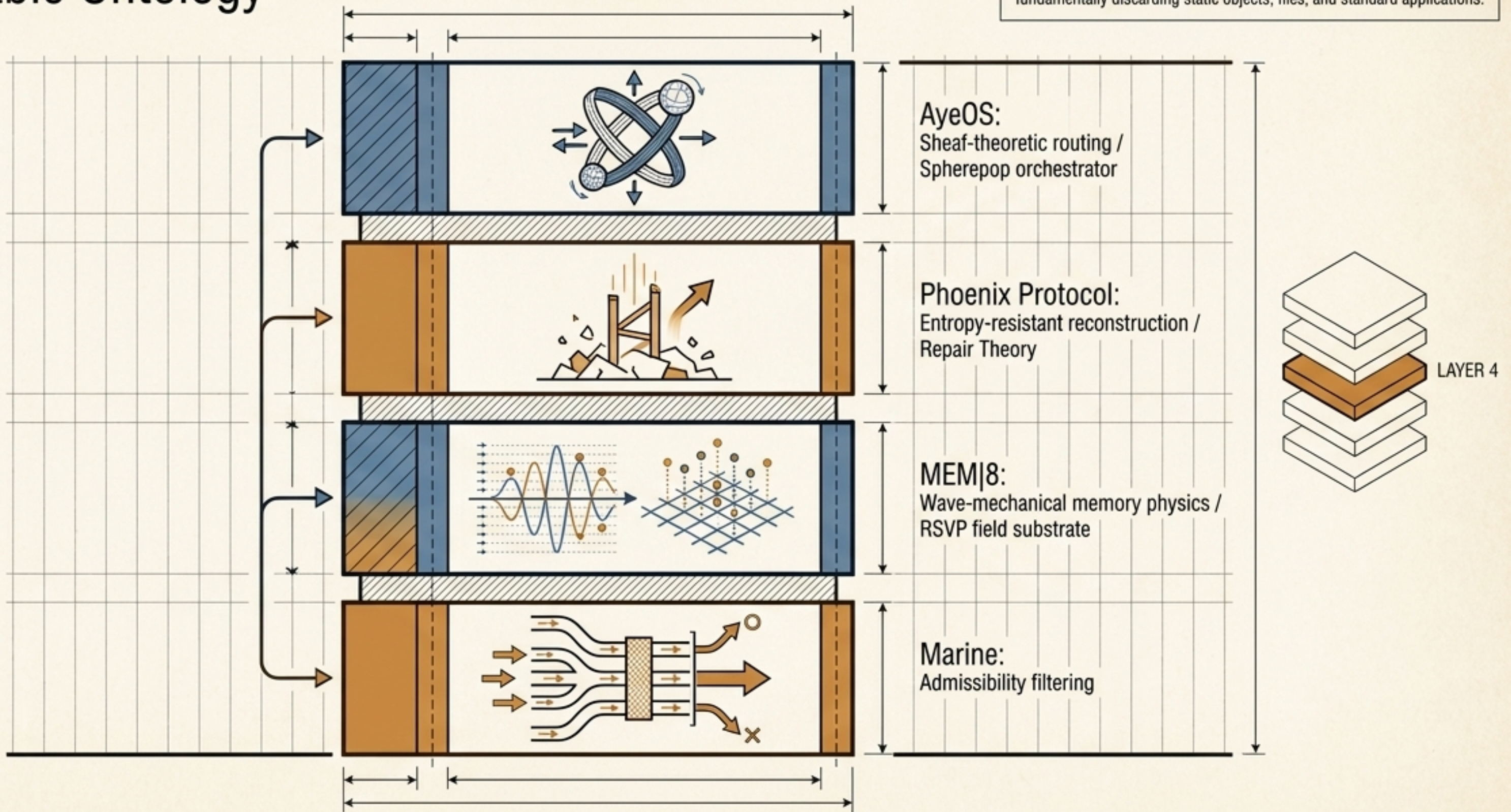
HYDRA: The Synthesis of Cognitive Constraint



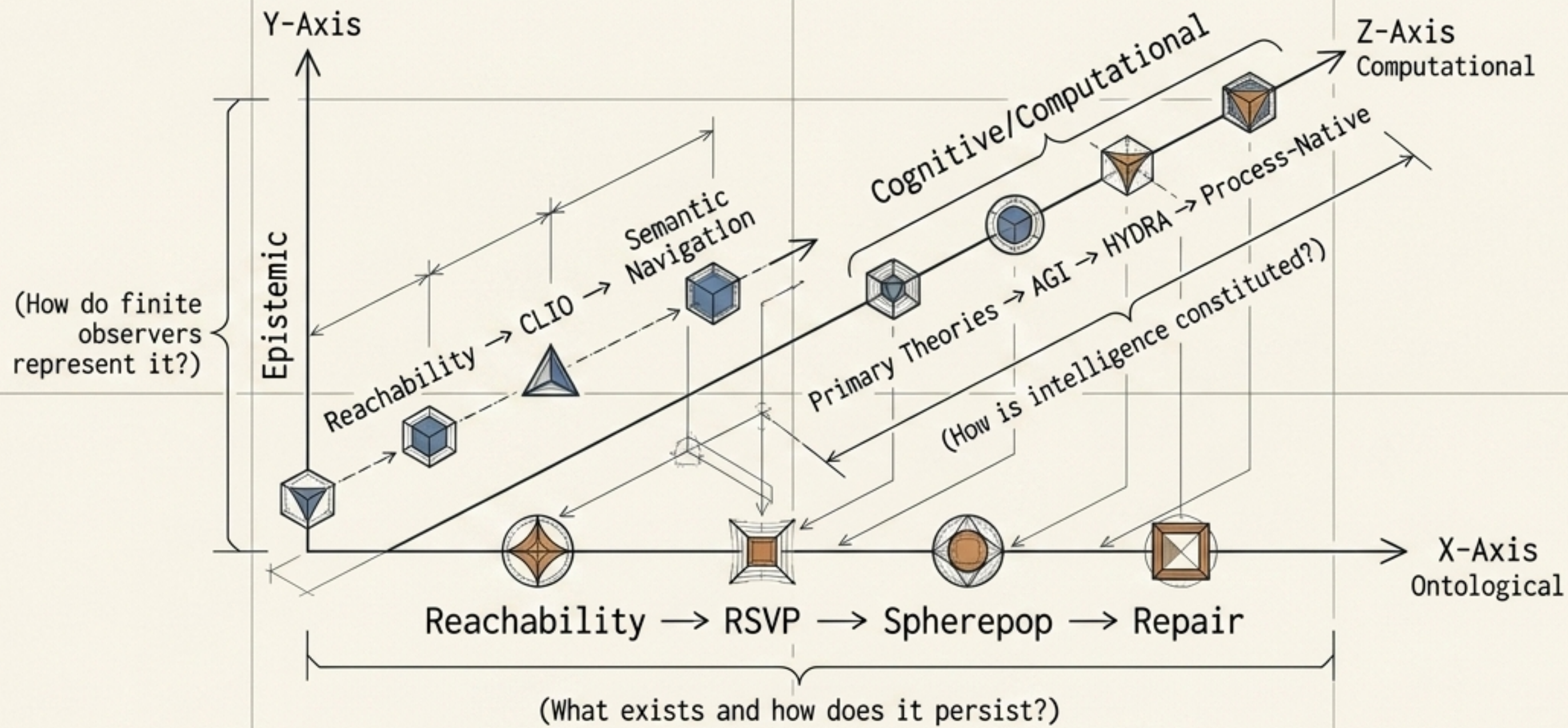
Intelligence is not an isolated optimization algorithm. It is the coordinated activity of multiple, overlapping constraint-processing systems navigating a shared reality.

Process-Native Computing: An Executable Ontology

Architectural Inversion
State, persistence, and identity are redefined. Computers must be organized around propagating processes and event-histories, fundamentally discarding static objects, files, and standard applications.



The True Shape of the Program



The Flyxion Research Program is an interconnected physics of reality, a calculus of observation, and a geometry of intelligence—unified under the single constraint of admissibility.