MOUSSAIF AGI

THEORY CORPUS

Integrated Research Map

From governing difference and meta-cognition to M-HKOS, functional consciousness, reusable agency and verified world effect.

MCD | M-HKOS | GOVERNANCE | MOUSSAIXT

A 15-slide view of the main theory families, their relationships, corpus integrity rules and research value.

Zouhair Moussaif · 2026

One corpus — six functional strata

The names form a lineage. The research value comes from preserving roles, relations and evidence boundaries.

1 Reasoning

Governing Question · Highest Difference · MCD · QMCD

2 Meta-cognition

MCAI · MICAI · MICAGI · MICAGFI · NeoAGI · WMICAGI

3 Consciousness

Governance Space · Reverse Capture · Vascular Consciousness

4 Knowledge OS

HKOS / M-HKOS · KB-as-OS · Context Genome · Memory

5 Agency

HyperKnowledge · HyperSkill · HyperAbility · HyperLoop · HyperAgent

6 Execution + Proof

HAKIM-MCD · Courts · World-Effect · MOUSSAIXT

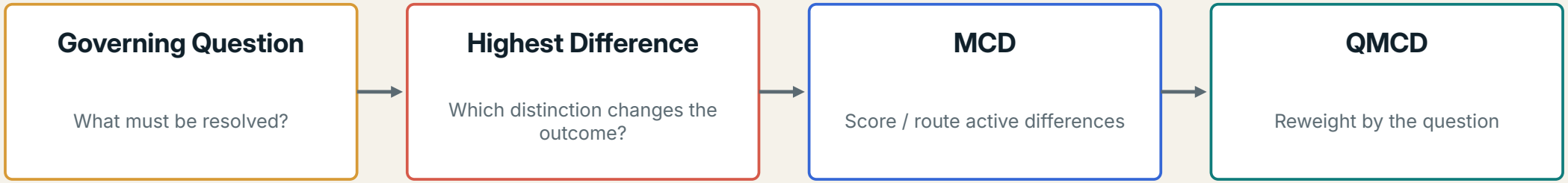
Integrity rule: preserve lineage → assign function → attach source → define test → rank evidence.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

FOUNDATIONAL THEORY

The Governing Question selects the governing difference

The corpus starts by asking what distinction can actually change the decision — before adding more tokens, tools or layers.



What this contributes

A decision-centered theory of cognition

Selective compute rather than indiscriminate depth

A bridge from question → evidence → action

Research value

Can be ablated against ordinary prompting

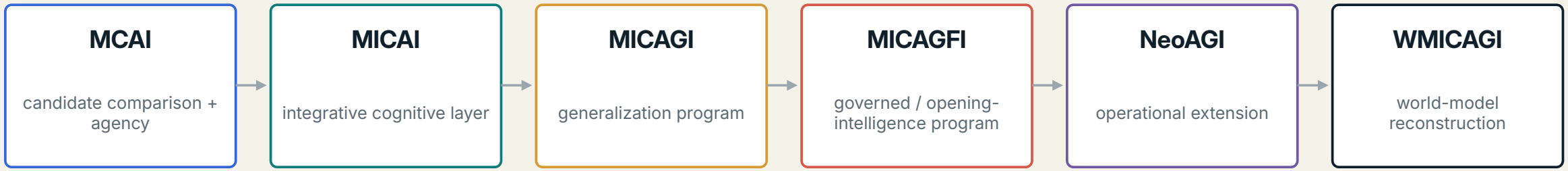
Can be measured under equal model / budget

Produces a falsifiable routing hypothesis

Corpus anchors: Sovereign Continuity Vault · Unified AGI Book · Engineering Architecture

Meta-cognitive architectures — evolution, not synonyms

The corpus retains historical names because they represent successive attempts to integrate cognition, agency, generalization and governance.



Integrity principle

Keep lineage and crosswalks. Do not flatten inherited frameworks into one acronym or invent new official expansions.

Unifying question

What extra mechanism does each layer add: integration, world model, governance, generalization or recoverability?

Research test

If deleting a layer does not change capability, robustness or recovery, the layer is explanatory — not operational.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

COGNITION DISCIPLINE

HAKIM-MCD + ROFSC turn reasoning into a tested path

The key contribution is not longer reasoning. It is a governed sequence that can challenge itself before changing the world.



HAKIM-MCD

Canonical path from active difference to evidence, bounded action, verified effect and reconstructive memory.

ROFSC + Courts

No-Loss · Hallucination · Anti-Reduction

Gap · Contradiction · Evidence Rank

World-Effect · Synthetic Efficiency

High-value idea: failure becomes structured evidence for the next run.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

CONTROL THEORY

Governance Closure + Computational Vascularity

The project moves from “many layers” toward laws that decide authority, compute, stopping and reversibility.

Governance Closure

- Close open decision cycles
- Arbitrate authority conflicts
- Define stop / escalate / rollback
- Connect cognition to authorized effect

Computational Vascularity

- Route compute where evidence can change
- Keep cognition sparse and selective
- Allocate model / tool effort by need
- Avoid context volume as a proxy for intelligence

Sparse HyperRouting

- Load minimum sufficient knowledge
- Activate only needed skills / agents
- Preserve reconstruction via provenance
- Optimize token / RPM / model portfolio

Architecture invariant

Observed state + explicit authorization + evidence + verification outrank model confidence or output volume.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

A functional consciousness program — without sentience overclaim

The project translates consciousness into testable mechanisms of governance, continuity, self-model and attention.

Governance Space

Multiple authorities compete: evidence, risk, value, goal, memory.

Reverse Capture

Meta-governance recovers control from a hijacking partial authority.

Vascular Consciousness

Meaning is tracked across layered vessels / states, not one channel.

Inner-Time Engine

Internal temporal continuity becomes a research variable.

Self-Model

Represent internal state without anthropomorphic claims.

Attention as Difference Routing

Attention selects differences that matter to the governing question.

Research boundary: functional mechanisms are testable; phenomenal consciousness is not established.

Corpus anchors: Consciousness Theory Atlas · Governance-Space papers · Unified AGI Book

HKOS / M-HKOS — knowledge becomes an operating substrate

This is a central corpus move: from “documents to retrieve” toward knowledge objects that can route action, tests, memory and versioning.

Knowledge object

trigger + scope

source + claim + evidence

mechanism + skill + tool

test + failure + authority

memory rule + version

Operating contracts

ontology / concept graph

claim-evidence ledger

retrieval policy

skill / loop links

tests + version / rollback

What makes it different

A large Markdown library is not an OS. Operational knowledge must expose interfaces, dependencies, provenance, failure modes and writeback.

Research ablation

Same corpus: standard RAG vs executable HKOS under matched model and budget.

Measure: action precision · provenance · transfer · conflict handling · continuation utility

Corpus anchors: HKOS / M-HKOS unit · KB-as-OS paper · Engineering Architecture

Memory is reconstruction, not transcript accumulation

The corpus treats continuity as a governed ability to preserve provenance, contradictions, task state and recoverable context.



Evidence memory

Contradictions and revisions are preserved instead of silently overwritten. Append-only evidence supports audit and rollback.

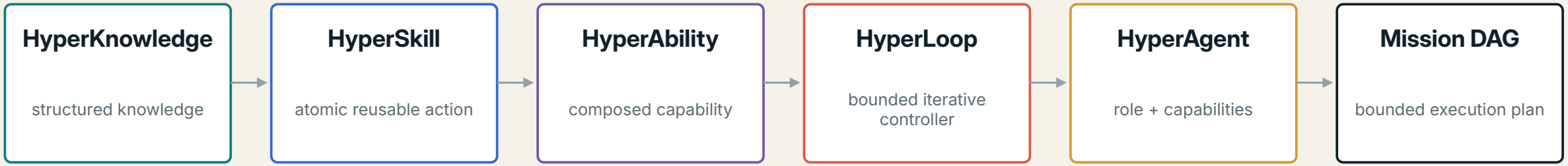
Research test

Reset context mid-task. Can the system reconstruct the mission, reasons, constraints and next valid action from its memory substrate?

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

Compile knowledge into reusable agency

The project defines a progression from knowing something to being able to execute it, compose it and govern its repeated use.



Why this matters

The unit of progress becomes reusable capability — not another prompt or document.

Governance rule

Loops are bounded; tools have contracts; agents cannot bypass authority or evidence gates.

Research measure

Does compiled agency transfer across tasks, models and environments with less rework?

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

PROGRAM MAP

Unified programs organize the corpus at different scales

These names are best understood as research strata and integration programs — not as independent claims of completed AGI.

Fattah AGI

umbrella for opening / beyond-general research direction

AGIOS-M

AGI-oriented operating-system research stratum

MUT-AGI-02

theory unification: concepts, relations, questions, experiments

MUG

governance unification across theory, research rules and runtime

ResearcherOS

long-horizon governed research workflow family

MOUSSAIXT

cross-environment execution target for the integrated stack

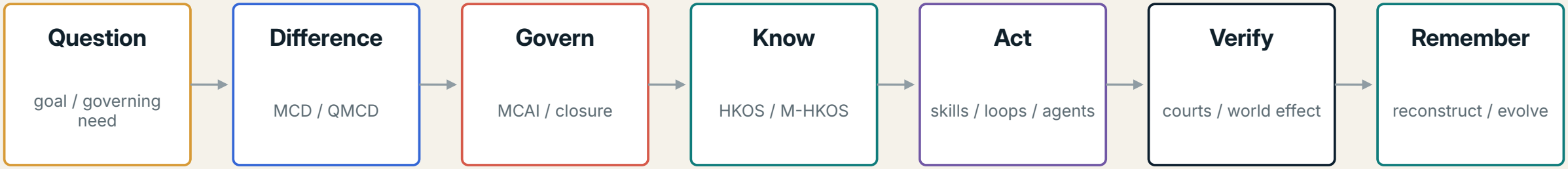
Corpus integrity requires distinguishing umbrella, theory family, architecture, runtime target and historical artifact.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

INTEGRATED MODEL

How the theory corpus closes into one research loop

The strongest expression of the corpus is the relationship among its theories — not the number of names.



Research cycle

A result is promoted only when it survives evidence gates, produces verified state change, and can be reconstructed or rolled back.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

SCIENTIFIC INTEGRITY

The corpus has an explicit claim-discipline contract

The project is strongest when it separates conceptual novelty from engineering specification and from replicated evidence.

- **E0** unknown / insufficient evidence
- **E1** historically mentioned
- **E2** artifact exists
- **E3** engineering contract / test plan
- **E4** locally tested with saved result
- **E5** repeated / comparative / replicated

Corpus integrity rules

- Preserve theory lineage
- Keep source / provenance links
- No invented acronym expansions
- Version + rollback knowledge
- Ablate claimed mechanisms
- Record failures as evidence

Architecture ≠ AGI · artifact count ≠ capability · tool call ≠ verified world effect.

Corpus anchors: Unified AGI epistemic contract · Continuity Runtime · Engineering evidence hierarchy

The corpus is already substantial — its next value is integration and testing

The asset is not page count alone. It is a mapped set of theories, mechanisms, research questions, architectures and reusable agentic assets.

225+
Unified AGI reference pages

117
AGI / consciousness atlas entries

50
MOUSSAIXT architecture pages

300
canonical HyperSkills registry

12
macro architecture layers

High-value corpus outputs

Theory atlas · source ledger · crosswalk · knowledge objects · experiment candidates

Engineering outputs

12-layer reference architecture · runtime contracts · skills / loops · verification path

Research opportunity

Turn a large original corpus into a machine-readable, benchmarkable and publishable research system.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime

RESEARCH PROGRAM

What funding unlocks next

The corpus already defines the research space. Funding should convert it into a disciplined reference implementation and evidence program.

1. **Corpus compiler** — machine-readable theory graph + provenance
2. **Reference runtime** — one frozen MOUSSAIXT / HKOS implementation
3. **Ablation lab** — MCD, M-HKOS, memory, governance, courts
4. **Consciousness studies** — functional governance / continuity experiments
5. **Replication package** — benchmarks, logs, datasets, public papers

RESEARCH ASK

Fund the conversion of the corpus into reproducible science.

Compute · research engineering · benchmark design · collaborators · pilot environments

Target outcome: a coherent theory corpus with explicit tests, a reference runtime, and publishable comparative evidence.

Corpus anchors: Unified AGI Book · Engineering Architecture · Consciousness Atlas · Continuity Runtime