AIAI-SYS-009 | CHAPTER 09 | System guides

Different responsibilities. Connected work.

A map of the evidence, memory, explanation, reasoning and authority roles across the AIAI.science portfolio.

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Take away three things

1. Let each layer answer a distinct question.

2. Carry source context across hand-offs.

3. Keep a route from a result back to its decision and evidence.

Start with the work object

A question can become a claim, a research record, a design decision and a reusable asset. The connections between those objects make the work understandable later.

The shared architecture is organised around those relationships. It can support several user journeys without treating every named system as an unrelated product.

Keep the responsibilities legible

OMNI CORTEX addresses decomposition and cross-domain coordination. ProvenResearch addresses evidence and contradictions. LifeTree preserves context, lineage and state.

Neuro Atlas adapts representation and navigation. HumanGate addresses authority and consequential actions. Opportunity and invention work explores what a demonstrated gap could become.

Connections require a contract

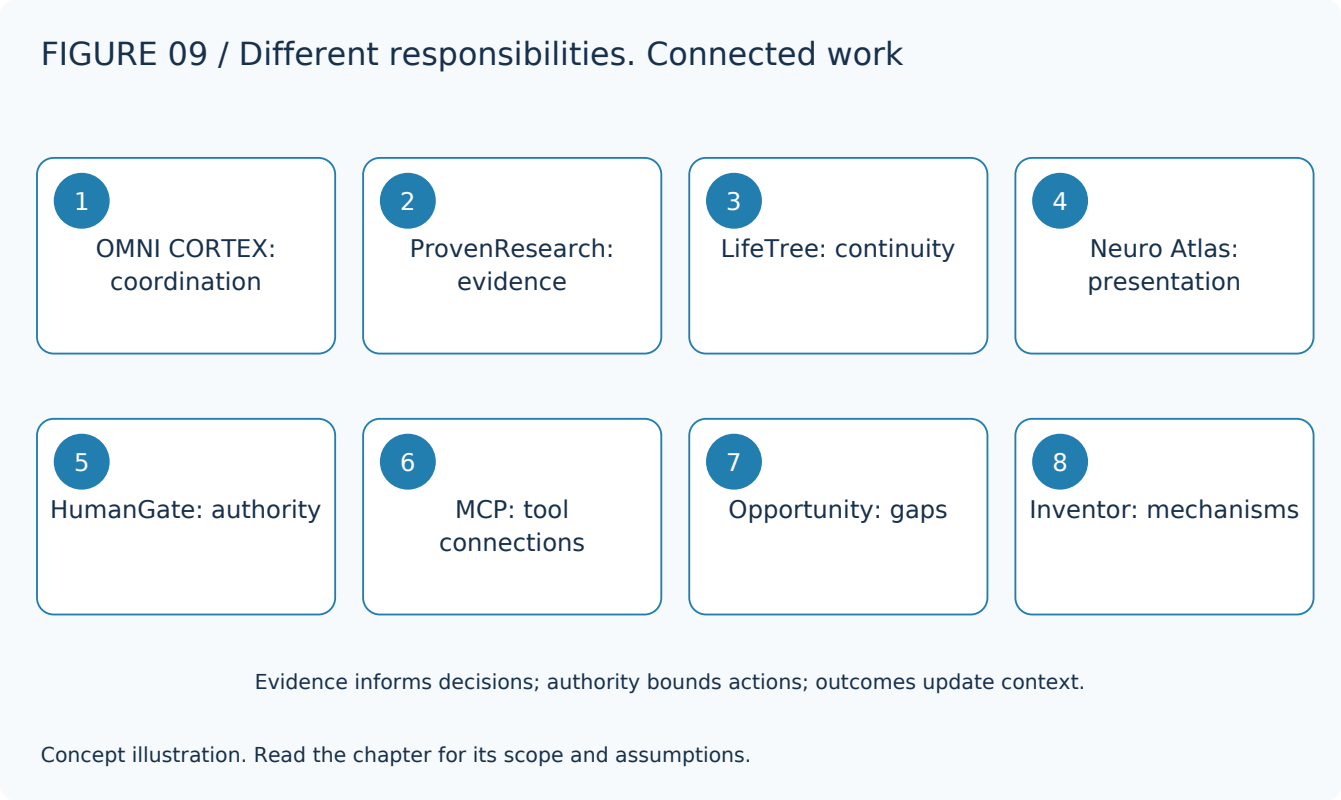
A hand-off needs defined inputs, outputs, scope and an expected result. An explanation view should retain evidence status; a tool connection should retain its permission boundary.

These are architecture responsibilities. Operational connections need implementation and testing for the particular service, resource and user context.

Follow a practical route

Start with a question. Identify claims and sources. Propose a change. Check authority. Create the selected asset and inspect the outcome. Preserve the result with the assumptions and decisions that produced it.

Figure 09. The idea in one view



Conceptual explanation with illustrative inputs where shown. This figure is not an empirical result or a validation of a deployed system.

Basis and scope

Public synthesis of the AIAI.science canonical blueprint, Polymath Nexus foundation, Neuro Atlas framework and later QR/MCP and navigation work reviewed 27 October 2026. Role descriptions describe architecture; implementation status remains specific to each project.

Read online and explore related work

Open this chapter online

The online edition includes interactive representations where useful. The chapter remains complete as a static explanation.