

HER₂™ — Forensic Evidence System for Artificial Intelligence

Recomputable, non-normative evidence for AI interaction behavior

The Problem

When AI systems are audited, investigated or litigated, dashboards, logs, and narratives collapse.

- Vendor logs are mutable
- Explanations are post-hoc
- Model behavior cannot be independently reconstructed

In legal disputes, claims per se are not reliable evidence.

What HER₂™ Is

HER₂™ is the forensic evidence system for AI.

It produces recomputable, cryptographically verifiable records of how the AI system behaved — over time — under declared conditions.

HER₂™ preserves the facts of what happened, in what order, and with which evaluators, without modifying the model/s.

What HER₂™ Produces

- Interaction Integrity Records
Structured JSON artifacts binding inputs, outputs, context, and provenance.
- Temporal Causality Records
Append-only lineage across time (drift, divergence, recovery preserved as evidence).
- Cross-Evaluator Evidence
Parallel records across evaluators without forced consensus.
- Signed Evidence Bundles
Manifest, hashes, signatures, and recomputation instructions.

All artifacts are portable, inspectable, and independently cryptographically verifiable.

What HER₂™ Is Not

- Not a certification or compliance judgment
- Not an enforcement or policy engine
- Not a model controller or modifier
- Not a dashboard or explanation layer

HER₂™ does not adjudicate facts — it preserves evidence.

Who Uses HER₂™

- Venture Capital / Private Equity
Verify AI behavior during diligence — and prove it later.
- Banks, Fintechs, Insurers
Reconstruct AI decisions under audit or dispute.

- Audit & Compliance Firms
Independently replay model behavior beyond control reviews.
 - Litigation & Expert Witnesses
Produce neutral, court-inspectable AI evidence.
 - Insurance Underwriters
Reconstruct incidents to price and assess AI risk.
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Deployment

- Runs offline, in CI, or inside agent runtimes
 - No access to model weights or training data required
 - Vendor-agnostic by design
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Status

Patent pending · Private pilot licenses available

HER₂™ is derived from the public HER2NI research protocol family and delivered as a private forensic evidence system.

Summary

HER₂™ is not a model

HER₂™ does not judge correctness

HER₂™ produces court-usable artifacts

HER₂™ survives hostile review

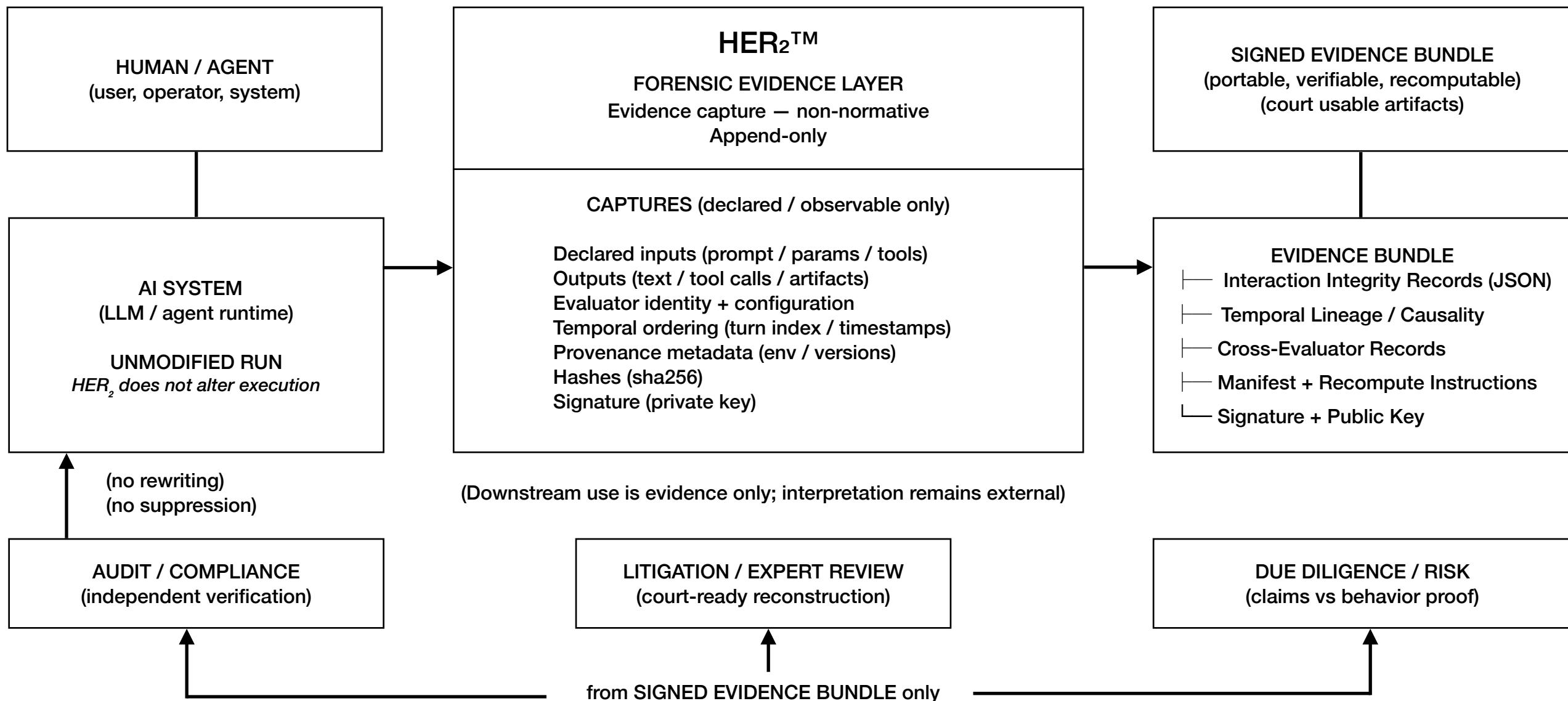
When narratives collapse, only recomputable records remain.

HER₂™ is your evidence layer.

Annexed

FIG. X — HER₂™ Architecture & Interaction Evidence Flow (Model-Agnostic)

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CAPTION:

HER₂™ records interaction behavior as evidence, independent of model internals, explanations, or operator custody.

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