



# Certification Governance Architecture (CGA)

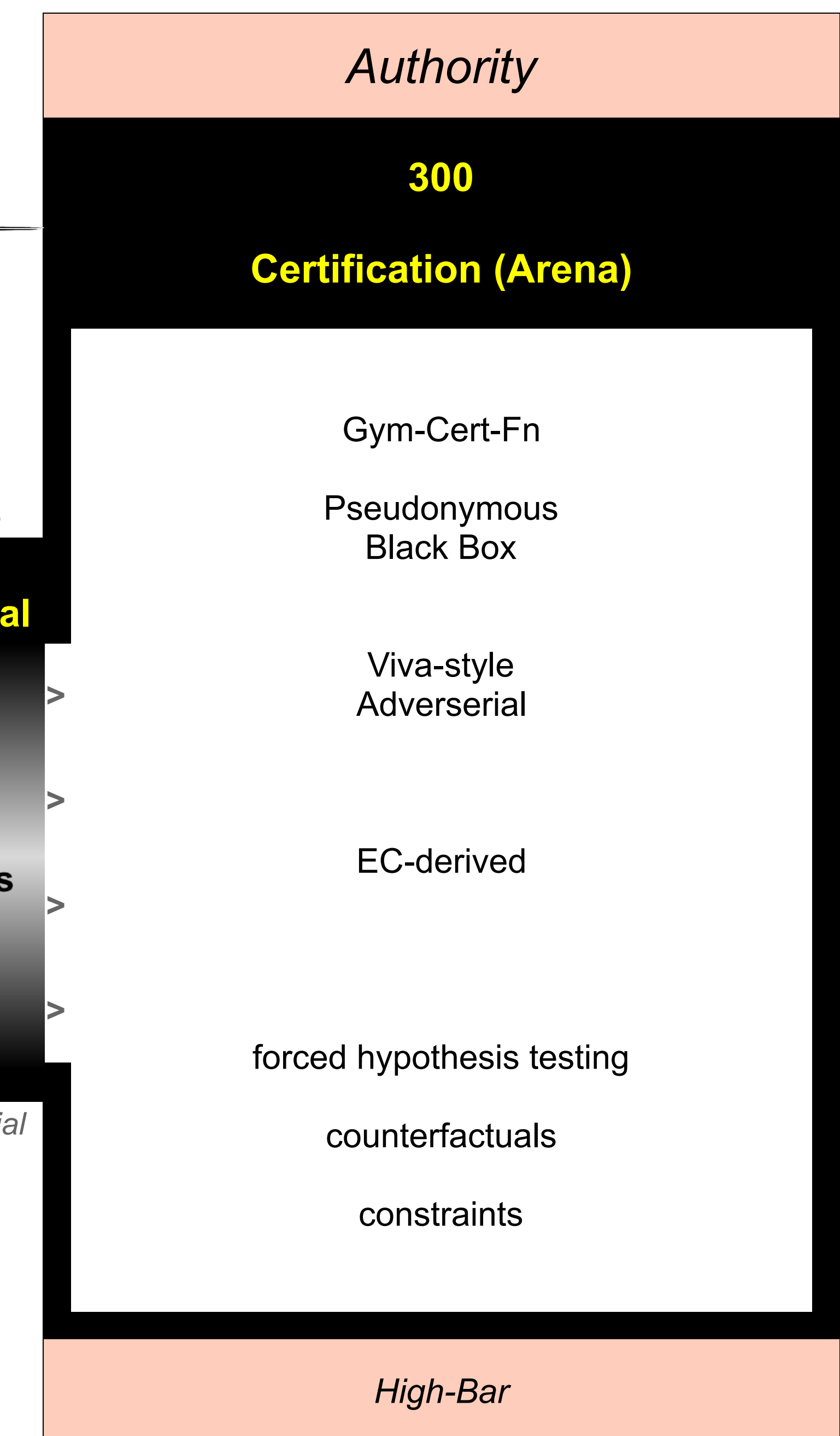
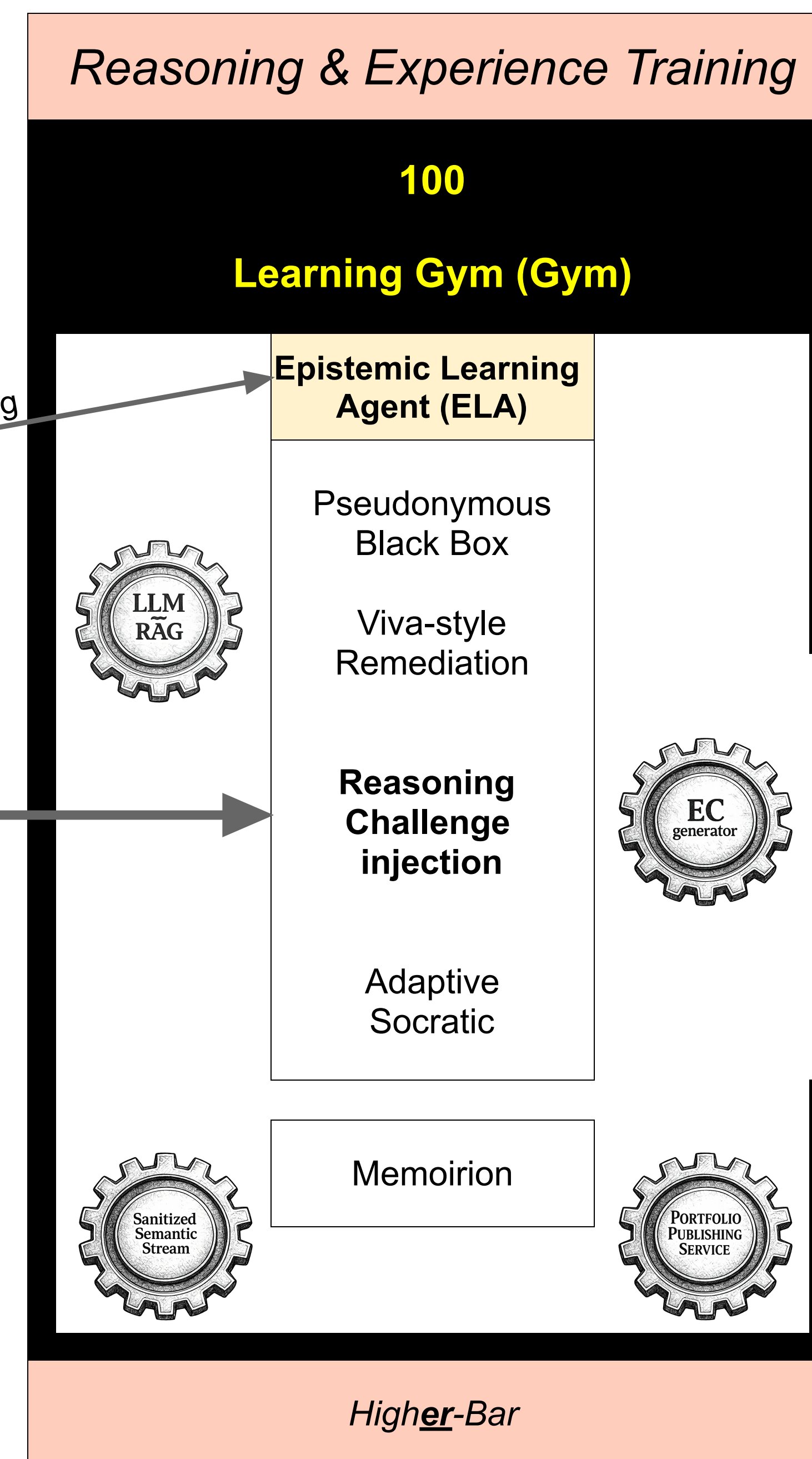
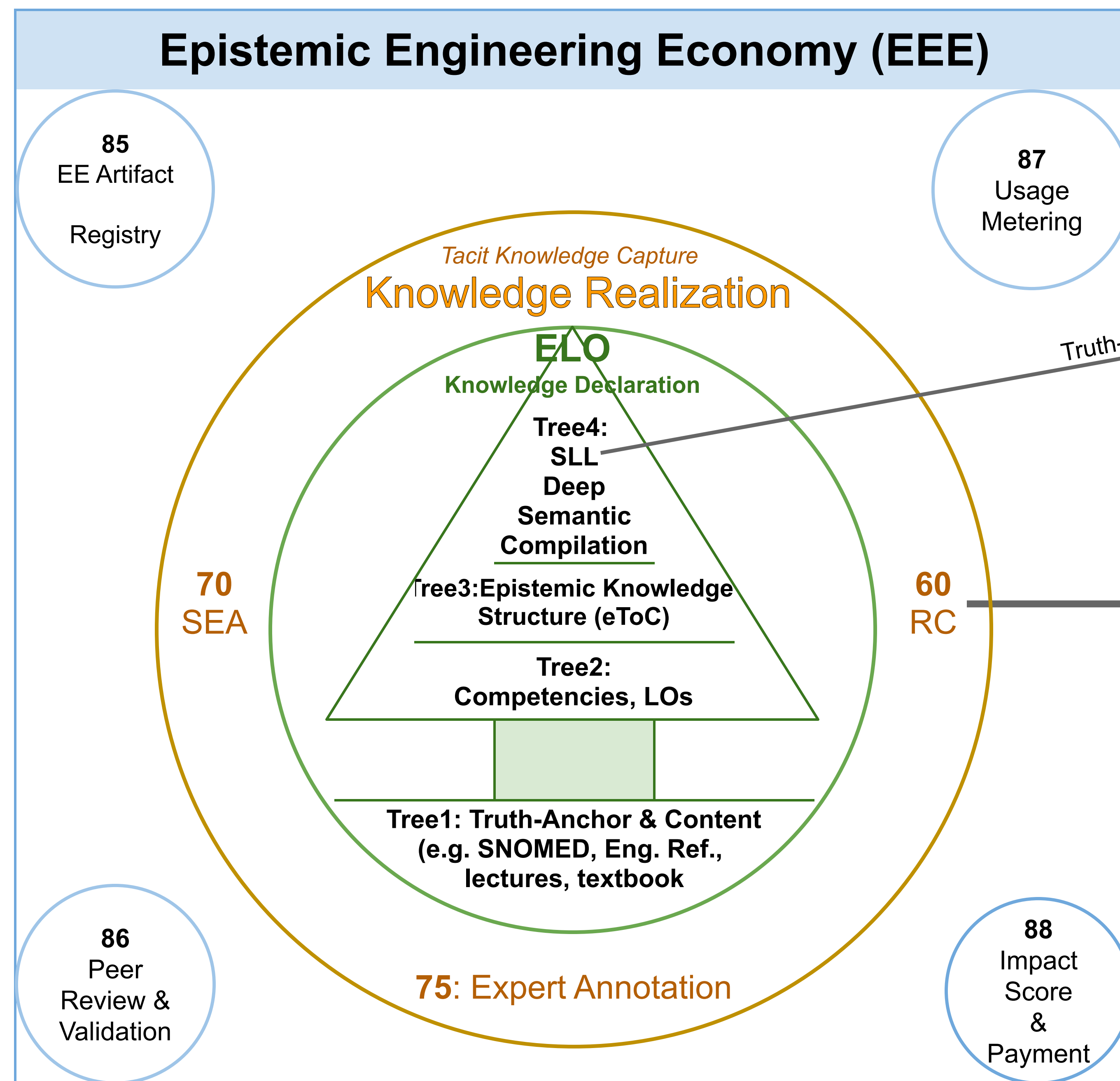
AI Reasoning: Truth-Constrained, Pedagogically-Grounded

Authority-Weighted, Cryptographically Verifiable

Guaranteed Separation of Gym Governance, Identity, Learner Activity, and Certification

90: Design-time Epistemic Engineering (licensable IP)

95: Runtime



analogy

<b>Professor</b>	The aeronautical engineer / architect
<b>ELO</b>	the Automated Flight Simulator's terrain Tree 1-4 (Epistemic Learning Object)
<b>ELA</b>	CoPilot / instructor (Epistemic Learning Agent)
<b>SLL</b>	the brain / terrain navigation system (Semantic Latent Layer)
<b>RC Factory</b>	the weather conditions (Reasoning Challenge Factory)
<b>SEA</b>	the flight manual (Shared Experience Asset)
<b>Kinetic Gestures</b>	the student Pilot maneuver's to ensure safety

CGS Consortium proposed Work Groups

Working Group	Roles / Skills
WG1: Policy & Governance	Board Executives, Ethics Officers, Legal
WG2: Epistemic Engineering	Educational Faculty, SMEs, Psychometricians
WG3: Privacy & Identity	IT, Cybersecurity, Network Architects
WG4: Registries & Ledger	IT, Blockchain Developers, IP/Legal Counsel
WG5: Epistemic Engines (ELA & DSC)	AI Engineers, Data Scientists, Software Developers

Join the CGA / CGS Initiative



<https://gymgov.org/call-to-action.html>

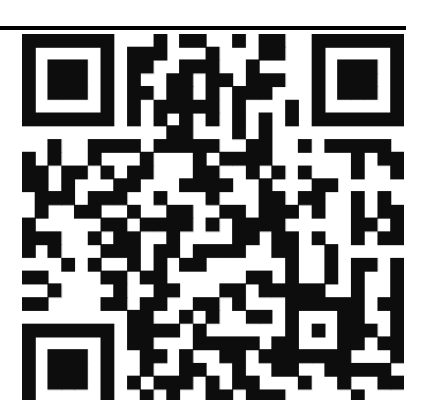


RC vs. SEA		
Aspect	Reasoning Challenge (RC)	Shared Experience Asset (SEA)
<b>Delivery</b>	Public global service	Institution-private (shared repo optional)
<b>Intellectual Property</b>	IP of Author / Joint	IP of Institution / Joint
<b>Workflow</b>	Mandatory for certification	Optional, offline background resource
<b>Lifecycle</b>	Stateless, no session	Stateful, peer-reviewed, versioned
<b>Interlinking</b>	May reference SEA when authored	Cross-referenced to an array of RC_IDs
<b>Faculty Impact</b>	Reputation, P&T, Ledger-based Licensing & Micro-Payments	

© 2026 Waleed S. Nema. All Rights Reserved. Patents Pending.

Governance Specification (CGS) provided under open protocols for institutional collaboration.

Waleed Nema  
Independent Researcher  
[waleed.nema@gymGov.org](mailto:waleed.nema@gymGov.org)



<https://gymGov.org>