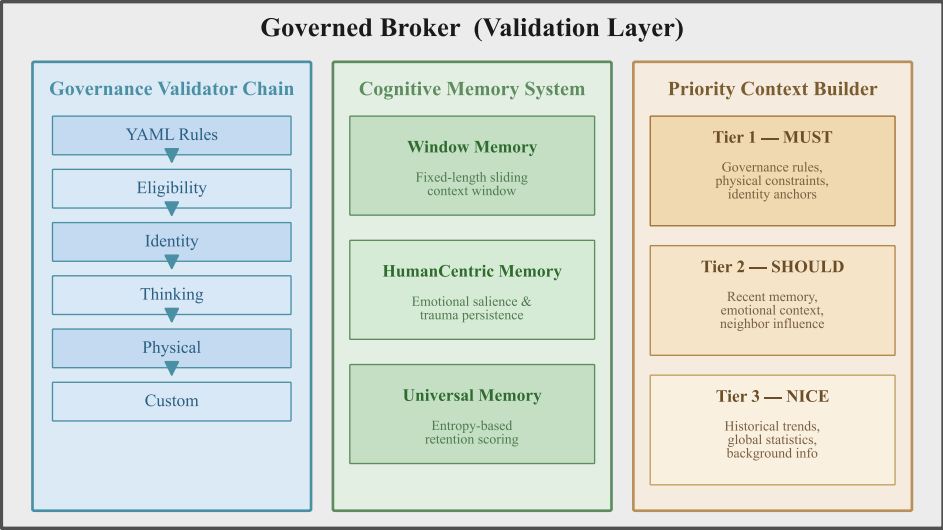


LLM Agent (Thinking Layer)

Prompt → Decision

↓ *proposed action*



↓ *validated action*

Simulation Engine (Execution Layer)

State → Outcome

↓ *domain instantiation*

Flood Adaptation (CHANCE-C)
100 households × 10 years
PMT behavioral theory
Actions: elevate / insure / relocate

Irrigation Management (UCRC)
78 districts × 42 years
WSA / ACA behavioral theory
Actions: increase / decrease / efficiency