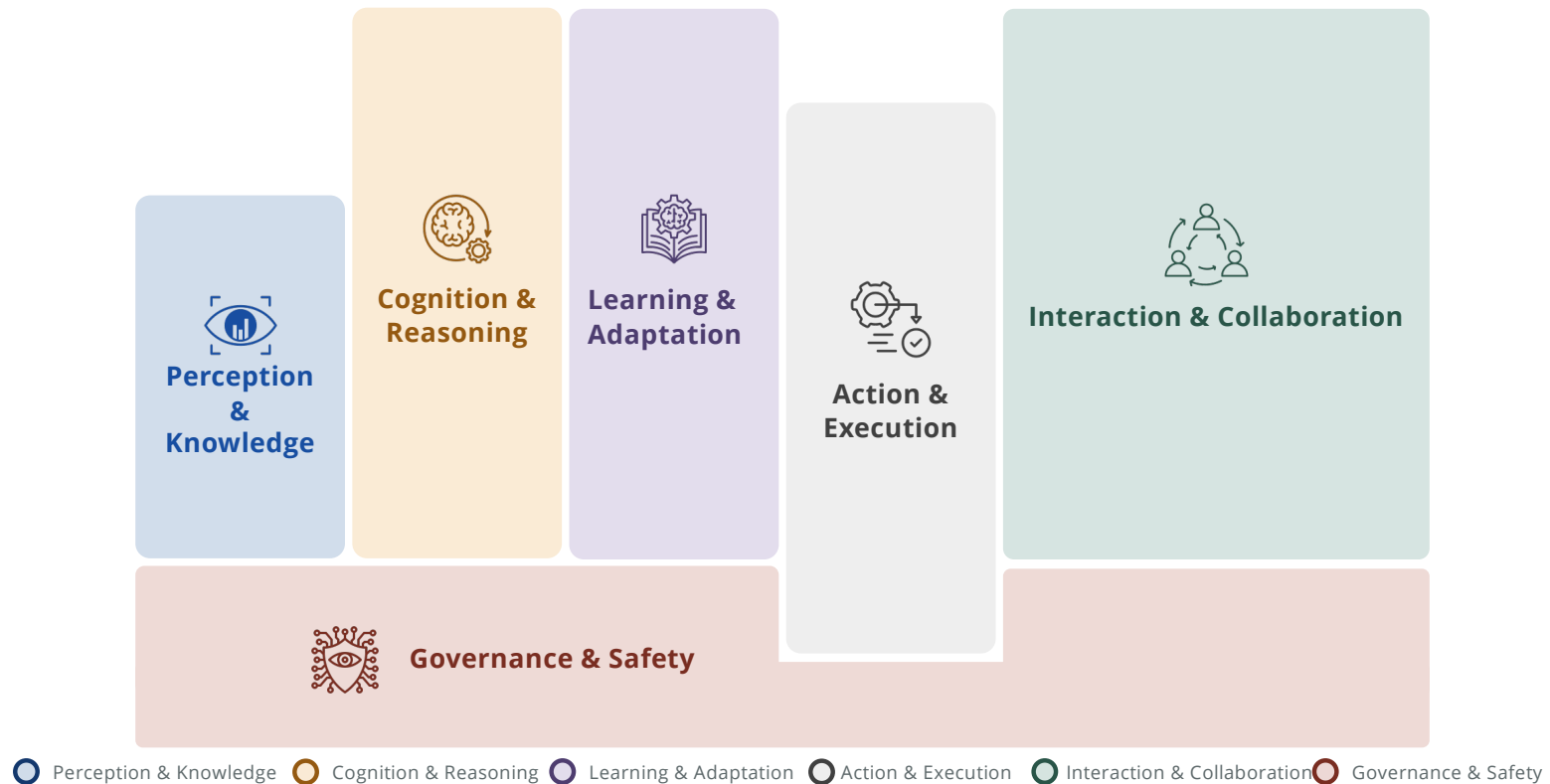


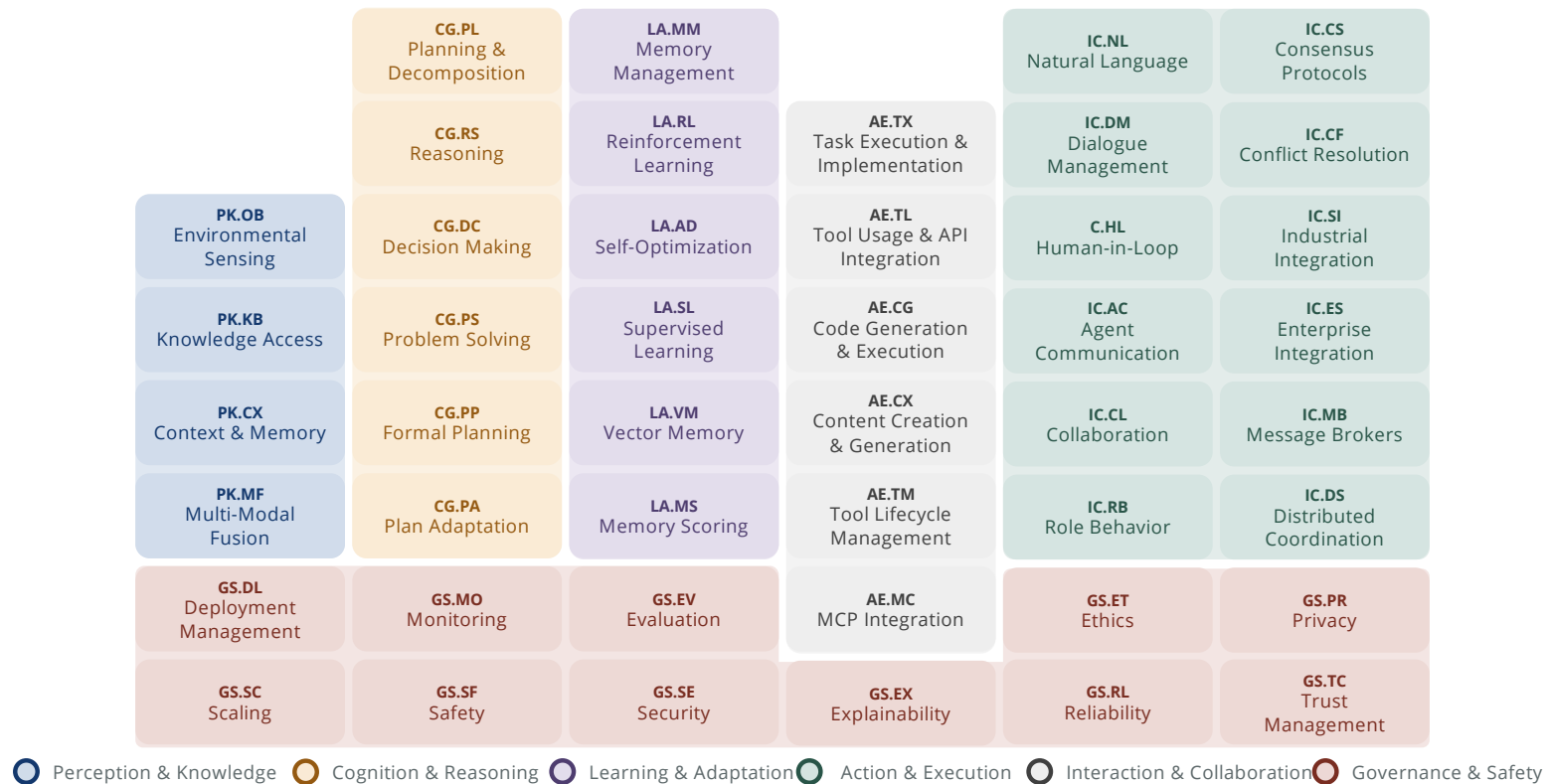


AI Agent Capabilities Periodic Table (AIA CPT)

AI Agent Capabilities Periodic Table v1.0



AI Agent Capabilities Periodic Table v1.0



AIA CPT – AI Agent Maturity Levels

Level 0: Static Automation

- Pre-programmed responses with no learning or adaptation
- *Traditional rule-based Symbolic AI systems and basic automation*

Level 1: Conversational Agents

- Natural language interaction with basic context management
- *Customer service chatbots, FAQ systems, voice assistants*

Level 2: Procedural Workflow Agents

- Multi-step task execution with tool integration and role-based collaboration
- *Workflow automation, task orchestration, process management*

Level 3: Cognitive Autonomous Agents

- Self-directed planning, learning from experience, sophisticated reasoning
- *Research assistants, predictive systems, autonomous decision-making*

Level 4: Multi-Agent Generative Systems (MAGS)

- Collaborative intelligence with emergent behaviors and distributed coordination
- *Industrial automation, smart city systems, complex orchestration*

Typical AIA CPT Development Workflow

