



**AI(R)Evolution**

**Where are we heading to?**



**Agents today are “situationally intelligent,” but not “self-consistently intelligent.”**

**The next step is cohesive cognitive systems**

**Integrate perception, reasoning, planning, and learning continuously**

**Possess internal models of the world and themselves**

**Can transfer skills flexibly between domains**

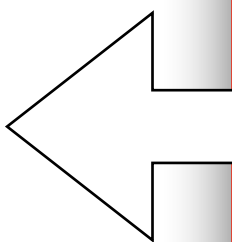
**Possibly maintain enduring “personalities” or “values”**

**Artificial General Cognition (AGC)**

Self-consistent reasoning







Challenge	Why AI struggles
Domain specificity	Models overfit to training distributions
Lack of causality	Skills tied to correlation, not mechanism
No persistent self	No long-term goal or context memory
Weak meta-learning	Poor at adapting to unseen tasks
No embodiment	Lacks grounded, experiential understanding

Instead of one “smart” agent, imagine  
**ecosystems of specialized agents**

Form dynamic collaborations

Negotiate and **compete for resources**

**Self-organize** into emergent structures (like  
digital economies or governments)

**Adapt as a collective intelligence**

# Self-Organizing Multi-Agent Societies

**Aisocieties**

Next-gen AI won't live only in digital space.

**Control physical robots**, drones, or IoT systems

**Interact seamlessly with the real world**  
(through sensors, voice, and vision)

**Learn continuously** from its environment

Blend **simulation** with direct experience

**Embodied &  
Real-World Integrated Intelligence**

**Bridging**

# AI (R)Evolution

## Where are we heading to?



### Artificial General Cognition (AGC)

Agents today are “situationally intelligent,” but not “self-consistently intelligent.”

The next step is **cohesive cognitive systems**

Integrate perception, reasoning, planning, and learning continuously

Possess **internal models of the world and themselves**

**Can transfer skills flexibly between domains**

Possibly maintain enduring “personalities” or “values”

Self-consistent reasoning

### Self-Organizing Multi-Agent Societies

Instead of one “smart” agent, imagine **ecosystems of specialized agents**

Form dynamic collaborations

Negotiate and **compete for resources**

**Self-organize** into emergent structures (like digital economies or governments)

**Adapt as a collective intelligence**

AI Societies

### Embodied & Real-World Integrated Intelligence

Next-gen AI won't live only in digital space.

**Control physical robots**, drones, or IoT systems

**Interact seamlessly with the real world** (through sensors, voice, and vision)

**Learn continuously** from its environment

Blend **simulation** with direct experience

Bridging



# AI (R)Evolution

## Where are we heading to?

