DIGITAL-EMERGING-02 - Call Objectives

Advance next-generation AI agents for real-world applications with trust, controllability, and societal impact.

Significant improvements in the autonomy, robustness and reliability of AI agents through advanced planning mechanisms, memory management, and reasoning capabilities.

Innovative multi-agent frameworks and protocols demonstrating effective decentralized coordination and collaboration among multiple AI agents beyond the capabilities of individual agents.

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Syntropolis – Core Idea

Syntropolis is a coordination architecture for AI agents, combining multi-agent systems, human deliberation, and automated value distribution to ensure trustworthy and socially viable AI deployment.

We propose to bring a governance / acceptability / EU sovereignty / Business oriented layer to the technical layer

Syntropolis – Core Idea

AI agents create value faster than societies can govern or share it

AI is no longer just a tool — it is becoming **productive capital:** agents make decisions, agents coordinate work, agents generate economic surplus

Today's AI model: centralized ownership, opaque value capture, growing displacement of labor

This creates three systemic risks: **Loss of trust and adoption, Economic instability from value concentration, Lack of controllability over autonomous agents.**

-> The technical advancement made in the call need a societal/economic layer. We bring this layer.

Syntropolis – Core Idea

Syntropolis is a **system architecture** with four integrated layers:

AI Production Layer: Multi-agent AI systems (open-source models, task agents), Treated as **productive assets**

Coordination & Venture Layer: AI agents are deployed in real economic activities, Ventures succeed individually but contribute back to a shared system

Human Deliberative Governance Layer with Citizens' assemblies: Includes people most affected by AI-driven displacement and creates strong legitimacy

Automated Value Distribution Layer: AI-generated surplus is tracked, governed, redistributed according to collective rules

"Syntropolis enables AI agents to scale economically while remaining human-governed and socially accountable."

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Syntropolis – Alignment with Call

Call Objective	Proposed Approach	Alignment
AI agents in real-world contexts	Multi-agent coordination engine	Strong
Trustworthy AI	Human-in-the-loop governance	Direct
Scalability & impact	Coordination over concentration	Strong
Socio-economic integration	Built-in value distribution mechanisms	Direct

Missions Publiques

Active in European Research since 20+ years, coordination and/ participation in major EU research: SCALEDEM / PolySUMP / Youth decide / Euth / Digitise / Enclude / Equals-EU / EIT Digital ….

Expertise in both governance and AI through our AI for deliberation team and our Deliberation team

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