

Civilization Leap Framework

An Overview of Civilizational Transformation in the AGI Era

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Abstract

Civilization Leap Framework is a conceptual model exploring how human civilization may navigate the risks and opportunities emerging in the era of Artificial General Intelligence (AGI).

The framework integrates cosmology, meaning dynamics, and governance research to analyze potential structural transformations of human civilization and long-term pathways toward civilization continuity.

It proposes three long-term goals for civilization:

Secure

Survival

Fulfilled

Life

Meaningful Existence

Keywords

AGI

Civilization

Future of Humanity

Civilization Governance

Meaning Dynamics

Civilization Leap

1 Civilization Turning Point

Human civilization has repeatedly undergone structural transformations driven by technological and cognitive breakthroughs.

Agricultural civilization reorganized human societies around land and food production. Industrial civilization reorganized societies around energy, machines, and large-scale production. Information civilization reorganized economies and governance around digital networks and knowledge systems.

Each transformation expanded human capabilities, but also introduced new risks and systemic tensions.

Today, the emergence of advanced artificial intelligence — especially the potential arrival of Artificial General Intelligence (AGI) — may represent another civilizational turning point.

Unlike previous technologies, AGI may participate directly in: • knowledge generation • large-scale coordination • governance processes • resource allocation • strategic decision making

This introduces both unprecedented opportunities and unprecedented risks.

Understanding this transition requires a broader framework that connects technological change with meaning structures, governance systems, and long-term civilizational evolution.

The Civilization Leap Framework is an attempt to explore this transformation.

2 AGI Era

Artificial General Intelligence may introduce capabilities far beyond traditional tools.

Instead of simply assisting human labor, advanced AI systems may participate in complex cognitive and coordination processes across the entire civilization.

Possible impacts include: • large-scale automation of cognitive work • new forms of global coordination • transformation of governance and institutions • acceleration of scientific discovery • restructuring of economic systems

However, these possibilities also introduce systemic risks.

Potential risks include: • technological lock-in • centralized control structures • misaligned governance mechanisms • unintended systemic instability • military escalation involving AI systems

The AGI era may therefore represent both a major opportunity and a critical risk period for human civilization.

Navigating this transition requires new conceptual frameworks capable of integrating technological, social, and philosophical perspectives.

3 Civilization Leap Concept

The Civilization Leap Framework proposes that the AGI era may create conditions for a structural transition in human civilization.

This transition is not guaranteed.

It depends on how societies respond to emerging risks and opportunities.

The framework suggests a conceptual path consisting of three stages: 1. Recognition of structural risks emerging in the AGI era 2. Exploration of new coordination possibilities enabled by advanced technologies 3. A potential civilizational transition toward new governance and cooperation structures

The term Civilization Leap refers to this possible transformation.

Rather than viewing technological change as a purely economic process, the framework examines how technological systems interact with: • meaning structures • governance models • social coordination mechanisms • long-term civilizational development

In this sense, Civilization Leap is not only a technological transition but also a transformation of civilization's structural foundations.

4 Three Goals of Civilization

Within the Civilization Leap Framework, the long-term direction of civilizational development can be summarized through three fundamental goals:

Secure Survival

Human civilization must first ensure its long-term survival by managing systemic risks, including technological risks, environmental challenges, and large-scale geopolitical instability.

Fulfilled Life

Civilization should create conditions in which individuals can live meaningful, stable, and fulfilling lives rather than being trapped in purely survival-driven systems.

Meaningful Existence

Beyond material well-being, civilization must preserve and cultivate meaning, culture, creativity, and the deeper dimensions of human experience.

These three goals form a simple conceptual structure that can guide discussions about future governance, technology development, and long-term civilizational direction.

5 Long-term Civilization Continuity

The Civilization Leap Framework ultimately focuses on the long-term continuity of civilization.

Technological development alone does not guarantee a stable future.

Civilization continuity depends on multiple factors: • governance structures capable of managing technological power • social systems that preserve human agency and meaning • cooperative frameworks capable of addressing global-scale challenges • long-term perspectives that extend beyond short-term competition

In this context, the AGI era may represent both a major challenge and a historic opportunity.

If managed carefully, the new capabilities introduced by advanced artificial intelligence could help humanity coordinate at scales that were previously impossible.

Such coordination may allow civilization to reduce systemic risks and pursue long-term development pathways.

The Civilization Leap Framework explores these possibilities and seeks to contribute to ongoing discussions about the future of human civilization.

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Research Website

<https://www.civitas.top>

Research Repository

<https://github.com/Civilization-Leap>

Research Archive

<https://zenodo.org/communities/civilization-leap-framework>