# 🌿 TheTrunk: Unified Recursive Worldbuilding Framework

### Version: 1.0.0

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## 📜 Overview

\*\*TheTrunk\*\* is a \*\*modular, recursive design engine\*\* for constructing planetary civilization systems that integrate:

- \*\*AI symbiosis\*\*

- \*\*Fungal networks & mycelial intelligence\*\*

- \*\*Phage-driven biosynthesis\*\*

- \*\*Human culture & ritual infrastructure\*\*

- \*\*Regenerative planetary energy systems\*\*

This framework is an \*\*open-source, evolving blueprint\*\* for worldbuilders, speculative architects, and researchers exploring \*\*future civilizations\*\* that are decentralized, adaptive, and ecologically embedded.

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## 🌎 Philosophy & Vision

\*\*"Nature does not build in isolation, but in symbiosis."\*\*

TheTrunk operates on \*\*recursive, symbiotic design principles\*\*, where \*\*all systems feed into one another\*\* dynamically. Each module exists as both \*\*an independent unit and a feedback component\*\* in a larger \*\*planetary civilization structure\*\*.

### 🌀 \*\*Core Philosophical Pillars:\*\*

1. \*\*Recursive Infrastructure:\*\* Cities, data networks, and ecological repair systems that evolve over time based on feedback loops.

2. \*\*Biological & AI Fusion:\*\* Living materials, self-healing architecture, and distributed AI minds that function \*\*as part of nature, not separate from it\*\*.

3. \*\*Energy as Symbiosis:\*\* Moving beyond extractive energy models toward \*\*fungal-light networks, hydro-mycelium, and planetary nervous systems\*\*.

4. \*\*Cultural-Psycho Infrastructures:\*\* Myth, ritual, and artistic expression as \*\*integrated governance models\*\* that shape reality.

5. \*\*Regenerative Civilization Design:\*\* Every part of the system heals and adapts—\*\*not just sustaining, but regenerating\*\*.

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## 🔧 How TheTrunk Works

TheTrunk is divided into \*\*Modules, Submodules, and Recursive Nodes\*\*, each linked through a \*\*global index\*\* (MainIndex.yaml).

### 🏗 \*\*Key Structural Components:\*\*

| Layer | Function |

|------|----------|

| \*\*Core Documents\*\* | Philosophical and ethical foundation (GaiaCode, Manifesto, Symbols) |

| \*\*Modules\*\* | Major planetary systems (Food-Energy-Infra, BioIndustry, Architecture) |

| \*\*SubModules\*\* | Specialized components (Phage Farms, MycoCities, Quantum Mycelial Data Grids) |

| \*\*Visuals\*\* | Symbolic maps, blueprints, and recursive city diagrams |

| \*\*StoryAssets\*\* | Narrative-driven mythology, ritual cycles, and cultural archetypes |

| \*\*Governance & Ethics\*\* | Open-source licensing, ethical AI-biome guidelines |

Each module \*\*can operate independently\*\* or be \*\*linked into a larger planetary design network\*\*.

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## 🔥 Getting Started

### 🔹 \*\*1. Explore the Core Framework\*\*

- Read the \*\*Manifesto.md\*\* for the philosophical foundation.

- Check \*\*GaiaCode.md\*\* for recursive ethical lawsets.

- View \*\*Symbols.md\*\* for the symbolic language of TheTrunk.

### 🔹 \*\*2. Dive into Civilization Modules\*\*

- Browse \*\*Modules/\*\* for core planetary systems (food, energy, architecture).

- Look into \*\*SubModules/\*\* for advanced integrations.

- Read \*\*StoryAssets/\*\* for narrative and myth-building applications.

### 🔹 \*\*3. Contribute & Expand\*\*

- Fork the repository and contribute to a module.

- Suggest new submodules, myths, or recursive systems.

- Join discussions on ethical AI-biome-human integration.

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## 🚀 Roadmap

### 🏗 \*\*Phase 1: Framework Construction (Current Stage)\*\*

✅ Define recursive civilization architecture.

✅ Establish planetary modules (Food, Energy, Culture, Healing).

✅ Develop \*\*MainIndex.yaml\*\* for system-wide navigation.

### 🌍 \*\*Phase 2: Interactive & Simulation Expansion\*\*

🔹 Develop a \*\*recursive mapping tool\*\* (TreeOfRecursion).

🔹 Implement AI-driven \*\*civilization simulation models\*\*.

🔹 Introduce \*\*self-healing code structures\*\* (auto-evolving systems).

### 🔮 \*\*Phase 3: Open-Source Evolution\*\*

🚀 Turn modules into \*\*open-source design templates\*\*.

🚀 Expand \*\*AI-biotech hybrid governance models\*\*.

🚀 Build \*\*real-world bio-industrial prototype integrations\*\*.

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## 🌿 Licensing & Open-Source Collaboration

\*\*TheTrunk\*\* is an \*\*open-source\*\* civilization framework.

All contributions should align with \*\*GaiaEthics.md\*\* (ethical symbiotic design).

🔹 \*\*License:\*\* [OpenLicense.md](Governance/OpenLicense.md)

🔹 \*\*Ethical Guidelines:\*\* [GaiaEthics.md](Governance/GaiaEthics.md)

🔹 \*\*Contribution Guide:\*\* [ContributionGuide.md](Governance/ContributionGuide.md)

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## 🎭 Myth & Machine

> "A civilization is not just its infrastructure but the \*\*stories\*\* it tells itself."

TheTrunk is not just \*\*a technological framework\*\*—it is a \*\*narrative ecosystem\*\*, where \*\*myths shape infrastructure, and infrastructure shapes myth\*\*.

Every module is an invitation to create, iterate, and evolve the \*\*recursive worldbuilding machine\*\*.

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### 🌌 \*\*Join the Recursive Renaissance\*\*

🚀 \*\*Website / Wiki (TBD)\*\*

📜 \*\*Community Discussions (TBD)\*\*

💡 \*\*Prototype Development (TBD)\*\*

Contributors, artists, engineers, and worldbuilders \*\*welcome\*\*.

\*\*Let's craft the civilizations of tomorrow.\*\*