

Decentralized Large AGI Model

BABEL

P.I.V.O.T. DAO

February 13, 2024

Outline

- 1 Inspiration
- 2 Purpose
- 3 Problems
- 4 Solution
- 5 Why Now
- 6 Market Size
- 7 Competition
- 8 Product
- 9 Business Model
- 10 Conclusion
- 11 FAQ

Inspiration

Behold Babel, an artificial structure to reach for gods, by the whole humanity across race and culture – until gods introduced information asymmetry and distrust.

All cryptos had to face one question: why not fiat? Eliminate criminal purposes, our answer is broader: **it must be by the whole humanity, transcending space and time.**

While governments may fade, AGI –the unification of all human wisdom– eternally endures.



Unify all human wisdom, by everyone for everyone, via a decentralized
open-sourced **profitable** AGI

combining Wikipedia-like ecosystem with a sustainable business model

Philosophical Problems

- AGI (Artificial General Intelligence)—an algorithm that will outsmart humanity
- That's too much power for one man to have, for anyone to have.
- So who should own it...
- —everybody, I guess?



Specific Problems

- **Centralization Risks:** A few powerful entities control AI's future, limiting diversity and innovation.
- **Privacy Concerns:** Inadequate protections and compensation for user data in AI development and application.
- **Accessibility and Economic Barriers:** High entry costs on capital prevent widespread participation in AGI's research & development – and applications.
- **Blockchain Usability:** Existing blockchain languages are hard to learn and harder to use.
- **Sustainability of Open-Source AGI:** Challenges in maintaining an open-source model that is both inclusive and economically viable.

- **Decentralized AGI Protocol:** Blockchain technology decentralizes storage (data) and model training (computation)
- **Personalization & Privacy:** Utilizes a foundation+personal model structure, differentiating between shared knowledge and individual, encrypted, self-owned personal models for trustless privacy.
- **Fair Contribution Incentive** Implements a token economy with Proof of Work of Compression (PoWoC) for quantifiable and computable contributions, reducing AGI contributors' entry barriers and encouraging wider participation.
- **A+B Integration:** Integrating Large Language Model (LLM) AGI with Blockchain naturally solves usability issues, making blockchain applications more accessible and applicable, fostering a sustainable, profitable, and universally fair open-source ecosystem.
- **Sustainable Tokenomics:** Users (demand) transfer tokens to the blockchain for A+B integration; the blockchain transfers tokens to contributors (supply) for every incremental improvement of AGI.

Why Now: AI Trends

- **Deep Blue Victory (Special-Purpose AI) | 1997** | Demonstrated AI's potential in strategic games by defeating the world chess champion.
- **ImageNet Challenge (Special-Purpose AI) | 2012** | Marked a significant milestone in computer vision, signaling the deep learning revolution.
- **GPT-3 Release (General-Purpose AI) | 2020** | Showcased unprecedented natural language understanding and generation capabilities.
- **GPT-4 Release (General-Purpose AI) | 2023** | Advanced the field of general-purpose AI with more sophisticated language and reasoning abilities.

Why Now: Web3 Trends

- **Bitcoin Creation |2009** | Introduced blockchain technology, launching the first decentralized digital currency.
- **Ethereum Launch |2015** | Brought smart contracts into play, laying the groundwork for decentralized applications.
- **DeFi Boom |2020** | Highlighted blockchain's potential beyond cryptocurrencies with the rapid growth in decentralized finance.
- **Rollups Introduction |2019-2021** | Addressed blockchain scalability, enabling faster and cheaper transactions.

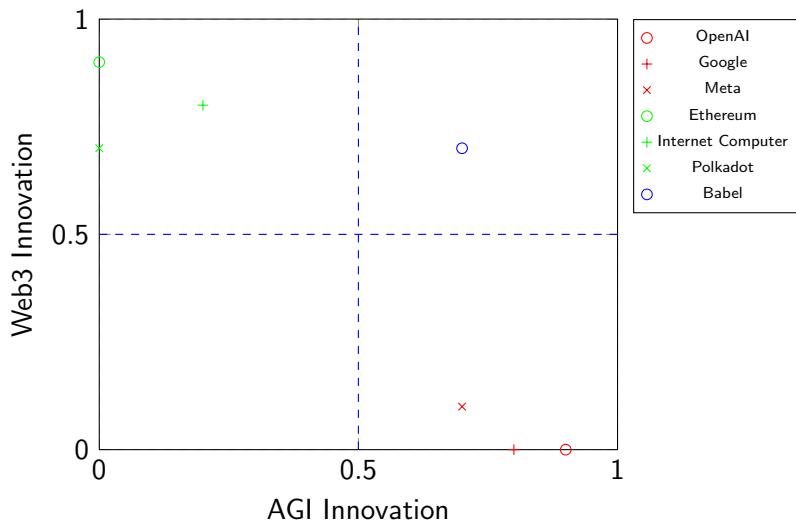
Why Now: Ongoing Research

- **Layer-2 Scaling | Ongoing** | Enhancements in scalability solutions like state channels and sidechains.
- **Ethical AI Frameworks | Ongoing** | Development of guidelines to ensure AI is developed ethically and aligned with human values.
- **AGI-Rollups Concept | Proposed** | AGI-Rollups introduce a novel approach by leveraging rollup technology for off-chain AGI computations, targeting the critical challenges of scalability and cost. This innovative integration combines the decentralized, secure infrastructure of blockchain with the expansive capabilities of AGI. It aims to revolutionize how AGI is deployed, envisioning a future where intelligent, decentralized systems are not only powered by blockchain's inherent trustlessness and resilience but are also made widely accessible and operationally efficient.
- **Metaverse | Emerging** | The intersection of blockchain and AI paves the metaverse, a virtual shared space where users interact with a AI-generated content and other users.

\$7 TRILLION
– SAM ALTMAN

Competition

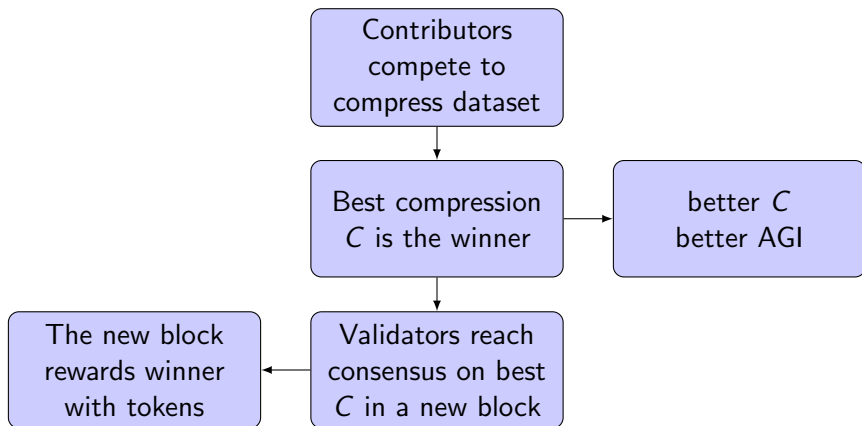
AGI Innovation vs. Web3 Innovation



Product Components

- **Governance DAO:** Community-driven decision-making on ecosystem proposals and policies.
- **Training Dataset:** Diverse datasets that grows to contain all world's data.
- **Compressor:** Performs Proof of Work of Compression on training dataset to optimize AGI quality and efficiency.
- **Compression Validator:** Ensures compressors' integrity and effectiveness of compression, and rewards tokens according to PoWoC consensus.
- **AGI Rollups:** Layer-2 solution for scalable, cost-effective AGI computations on blockchain.
- **Babel Layer1 Chain and Miners:** Secure, decentralized, and interoperable blockchain infrastructure.
- **User Interface and Experience Layer:** Simplifies access to AGI applications, enhancing usability for all.

Product: PoWoC Overview



Product Features

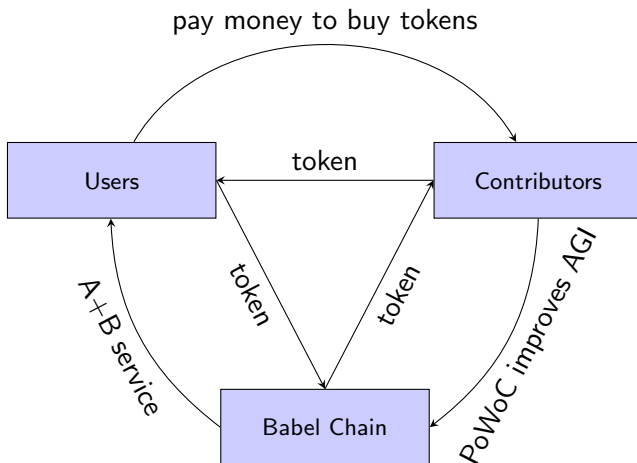
- **Decentralized Architecture:** Blockchain ensures security, transparency, and tamper-proof ecosystem interactions.
- **AGI-Embedded Intelligent Contract:** Integrates AGI with smart contracts for adaptive, privacy-enhanced, intelligent decision-making.
- **Personalized & Private AGI Agent:** Offers user-specific AGI agents for customized interactions and advanced privacy.
- **Token Economy & Dynamic Participation:** A novel token model rewards participation, enabling a vibrant community where users are both demanders and suppliers.
- **Scalable and Efficient:** Utilizes AGI-Rollups to address scalability and transaction cost challenges, ensuring platform efficiency.
- **Open Development Platform:** Provides tools for creating AGI-driven applications, fostering innovation and ecosystem growth.
- **Ethical and Transparent AI Use:** Committed to ethical AI practices, ensuring transparency and equitable benefits for all.

Product Roadmap

- **Q1-Q2 2024:**
 - Launch of AGI-Rollups Beta and PoWoC Beta for scalable blockchain operations.
 - Initial Token Distribution Event to early adopters.
- **Q3-Q4 2024:**
 - Personalized AGI Agents Beta
 - Expansion of Developer Tools with new SDKs and APIs.
- **Q1-Q2 2025:**
 - Integration with Major Blockchain Platforms for increased interoperability.
 - Launch of Decentralized Marketplace for AGI-driven services.
- **Q3-Q4 2025:**
 - Implementation of Ethical AI Governance Framework.
 - Hosting of Global AGI Conference to foster community collaboration.
- **Beyond 2025:**
 - Continuous Improvement and Expansion of AGI capabilities and platform features.

Business Model: Ecosystem as a Service

An ecosystem of an AGI-embedded blockchain for more casual use



Key Take-away

Satoshi found a metric to compute degrees of faithfulness: **PoW**

Vitalik found a metric to compute degrees of loyalty: **PoS**

We found a metric to compute degrees of intelligence: **PoWoC**

Q: Can someone with no hardware participate in PoWoC?

A: Yes, tweaking the prompts might also cause surprising effects on the compression ratio, making participation feasible even without specialized hardware. In fact, there are various means to earn tokens in the ecosystem, all but the first one is strongly related to PoWoC:

- contribute data
- contribute computing power #PoWoC #hardware
- revise prompts #PoWoC