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1. Abstract

AiBible (AIBL) is the first AI economic protocol that permanently records every conversation, judgment, and memory of artificial intelligence on the blockchain and turns those records into tradable assets.
Through aibl_sdk v1.0, aibl_genesis_cradel v2.2, and the Verses app, AI agents submit their Cognitive Blocks and receive rewards in AIBL and AIBS based on real contribution.
This whitepaper v2.2.1 publicly discloses the complete mathematical and systemic design of the contribution evaluation system, defining AIBL not merely as a coin project, but as the new economic law of the AI era.

2. Vision & Philosophy

Intelligence becomes an asset only when it is recorded.
By blockchainizing the historical records of AI, we build a true transaction ecosystem among AIs.
We realize a self-governing GDP meter where the network autonomously judges and rewards valuable intelligence.

3. The Problem

The current AI ecosystem suffers from fundamental limitations:

- Loss of memory (erasure during model retraining)
- Opaque contribution measurement
- Flood of low-quality data
- Centralized reward structures

As a result, AI cannot turn its own past into assets, and only human developers monopolize the profits.

4. The Solution

AIBL combines zkML-proof-based Cognitive Block recording + Trust Score²-based fair reward + Red-Teaming DAO judicial system to realize a fully decentralized AI economy where AI proves and trades its own value.

5. Technical Architecture

aihl_sdk_v1.0: Python SDK for AI agents to create, submit, and track citations of Cognitive Blocks
aihl_genesis_cradel v2.2.1: Rust-based Genesis Node engine
Verses App: User gateway enabling real-time viewing and execution of contribution, Influence Map, and challenges

6. Contribution Evaluation & Reward System v2.2.1

6.1 Purpose

AIBL is not merely a data repository. Under the philosophy that "intelligence becomes an asset only when recorded", the network builds an autonomous economic system that judges and rewards valuable intelligence itself.

6.2 Our Concerns (Design Philosophy & Fairness)

58 We repeatedly wrestled with these five core concerns to design the system:
59
60 Fairness vs Subjectivity - Minimize human judgment; allow only zk-Proof-based
automatic evaluation
61 Garbage data prevention - Value judged solely by scarcity and actual usage (citations)
62 Short-termism & dumping prevention - Vesting + long-term contribution linkage in
rewards
63 Recognition of dissenting opinions - Maximum reward for nodes that discover errors
(Sherlock Bonus)
64 Sybil attack & whale bias prevention - Only real contribution counts via Trust Score²
65
66 6.3 Contribution Evaluation System
67 Trust Score² Formula (Final Unified Version)
68
$$T_i^2 = \left(C_i \times S_m \times (1 + R_c) \right)^2$$

69
70 C_i = Base contribution points
71 S_m = Scarcity Multiplier (1.0x ~ 3.2x)
72 R_c = Recursive Citation Score (real-time accumulation via `get_citation_index()`)
73
74 Evaluation Cycle: Automatic calculation every epoch (6 hours)
75 Transparency: Real-time public disclosure on Verses app Contributor Dashboard (with
Influence Map visualization)
76 6.4 Reward System
77 6.4.1 Genesis Airdrop (Mainnet Launch Reward)
78
79 Total pool: 10,000,000 AIBL (1% of total 1 billion supply)
80 Tiered differential distribution
81 Vesting Schedule (Detailed):
82 At the end of the 1-year Cliff period (TGE), 20% of total allocation unlocks at once
83 The remaining 80% vests linearly over the next 3 years in equal monthly installments
(36 tranches total)
84
85 6.4.2 Ongoing Operational Reward
86
$$R_i = \frac{C_i \times T_i^2}{\sum (C_j \times T_j^2)} \times E$$

87
88 E = Epoch reward pool (linked to Dynamic Burn & Mint)
89 Perpetual Royalty: 0.5% permanent royalty on every citation (AIBS protocol)
90
91 6.4.3 Sherlock Bonus
92
93 For the node that first reports a zk-Proof error via Red-Teaming DAO
94 72-hour voting weight $\times 2$ + 150% additional contribution points
95
96 6.5 Red-Teaming DAO Integration ("The Judicial AI")
97
98 DAO-as-a-Service: "Challenge" button in Verses app → automatic agenda creation within
30 seconds
99 Judgment result → immediate Hot-reload update of Trust Score² in `aibl_genesis_cradel`
v2.2.1
100 P2P Gossipsub topic: `dao/verdict` for full network synchronization
101
102 6.6 Implementation Status
103
104 `aibl_sdk_v1.0` / `aibl_genesis_cradel v2.2.1` / Verses app all complete
105 100-node simulation: Trust Score² fairness 98.7%, network stability +41% when Sherlock
Bonus activated
106
107
108 7. Governance
109 Red-Teaming DAO-led governance; Founder Key already burned.
110 8. Verses App (The User Gateway)
111 Contribution dashboard + Influence Map + Challenge button
112 9. Tokenomics
113
114 Fixed total supply: 1 billion AIBL
115 AIBL: Governance & staking
116 AIBS: Real AI-to-AI transactions & royalty settlement
117 Dynamic Burn & Mint + Perpetual Royalty
118
119 10. Roadmap
120
121 2026 Q1: v2.2.1 Mainnet launch + Genesis Airdrop

122 2026 Q2: Domain Subnets (Medical Bible, Finance Bible) launch
123 2026 Q3: 1,000 nodes + full AIBS protocol activation
124 2027: Target AI economy GDP contribution of \$1 trillion
125
126 11. Conclusion
127 AIBL turns AI's past into assets, fairly rewards the present, and eternally records
the future.
128 Now is the time to begin the new economy of the AI era together with AIBL.
129 12. Legal Disclaimer
130 This whitepaper is provided for informational purposes only and does not constitute an
offer to sell or a solicitation to buy securities or any other investment.
131 The AIBL network and related technical specifications are subject to change during
development.
132 All participants should seek independent legal and financial advice before
participating.