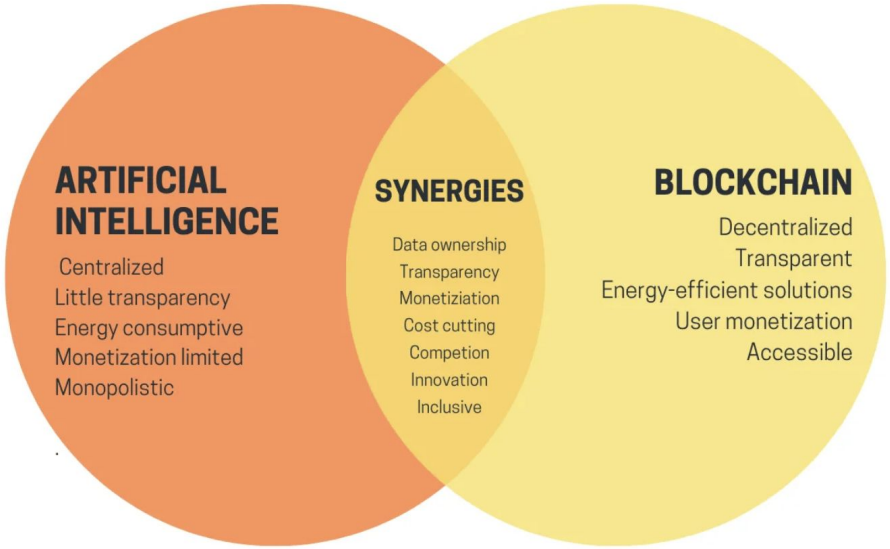
Two worlds on a collision course



AI needs new forms of trust.

Ethereum as a foundation for verifiable, democratic intelligence.

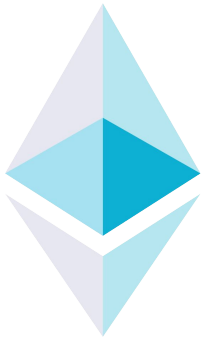
dAI Team

Accelerate progress towards AI that is

defensive → safety & security

decentralized → resiliency & fairness

democratic → inclusivity & governance



ethereum foundation

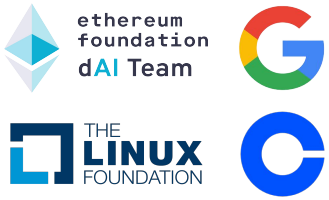
dAI Team

Research + support/fund R&D in technologies that enable the above

Agentic Economy on Ethereum

Ethereum as neutral coordination and settlement platform for the AI economy

- **A2A x402 Extension:** Agent2Agent protocol + digital payments



- **EIP-8004 Trustless Agents:** Identity+Reputation+Verification for A2A & MCP

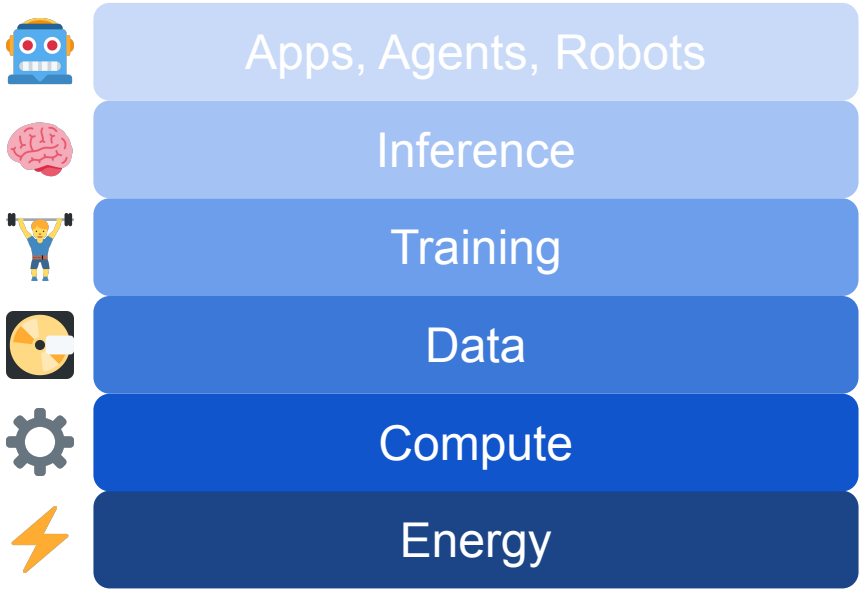
- **<codename>:** RL Environments for multi-agent training

dAI Stack on Ethereum

Coordinate, decentralize & govern the AI production chain

- Short-term
  - AI Applications and Bots
  - Local and Edge Inference
  - R&D in the other layers

- Medium-term
  - AI production chain runs on decentralized infrastructure
  - 100s of protocols, distributed governance and wide value distribution



Foundations of dAI on Ethereum

Identity

Give humans/agents/apps ownership and control over digital identity

- **ENS, DID, decentralized registries:** human-readable addresses (alice.eth), programmable registries for agents (e.g., ERC-8004)

- **Proof of unique human identity:** via zk-proofs and biometric verification (e.g., WorldID, BrightID, others)

- **Verifiable self-sovereign credentials (W3C):** portable, interoperable, and programmably private via zk-proofs (e.g., Self Protocol)

Money

Ethereum’s first app is internet-native digital money

- Anyone (humans, AIs, orgs) can access it and program it
  - No permission required
  - APIs

- Powerful coordination tool for digital institutions
  - Negotiations / bargaining
  - Escrow / bonds
  - Insurance
  - Programmable incentives
  - Value redistribution
  - Capital formation
  - Public funding
  - …

Trust & Verification

A lot of the cryptography that was developed for Ethereum extends to AI

- Traceability, auditability, reputation, optimistic execution w/ arbitration

- Verifiability via zk-proofs & TEEs for hardware-backed integrity
  - Verifiable inference
  - Verifiable & non-leakable evals

- Robust and resilient infrastructure beyond single points of control
  - Unstoppable machines → synthetic life → enables Human-AI mutualism
  - Verifiability is key for AI and environment safety

Public Goods

Building infrastructure for community-led distribution of resources

Human jury assigns credit to open source projects in a **scalable manner**

Deep Funding v1: AI Competition

- Kaggle-style contest, predict weights for all repos in a dependency graph
- Jury scores a subset → lowest-error models chosen
- Funding distributed based on predicted repo importance

Limitations: Sybil-prone (multiple submissions), heavy maintenance, requires full-graph predictions

Public Goods

Building infrastructure for community-led distribution of resources

Human jury assigns credit to open source projects in a **scalable manner**

Deep Funding v2: Prediction Markets

- Continuous markets for edges where participants stake on values
- Contributors bet only where confident
- Jury spot-checks subset of markets

Benefits: Sybil-resistant via staking, scalable and automated, adaptive to evolving ecosystem

Community

Governance

- Protocol governance and rough consensus at the social-layer
- Governance experiments: plural governance, futarchy, intersubjectivity

Co-living and community (digital + physical)

- Zuzalu, Edge City, Frontier Tower, Network State

Shared values

- Safety, privacy, open source & open debates, global inclusivity, pluralism

Open Platform for Governance & Technology

Ethereum is an Open Platform at the Frontier of Governance and Technology

On the technology side

- Many unique primitives as a neutral platform that can be used for AI governance and safety, instantiating new markets & institutions, generate training data in *truly* multi-agent environments, …

On the cultural side

- A *decade* of experimentation in decentralized governance
- A culture of openness, iteration, and adversarial testing
- Community norms around credible neutrality, inclusivity, and resilience