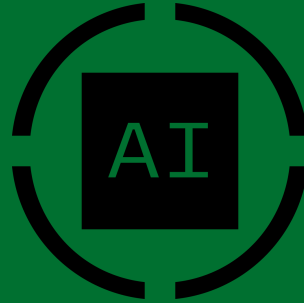


dorm dao 🍜

Oregon



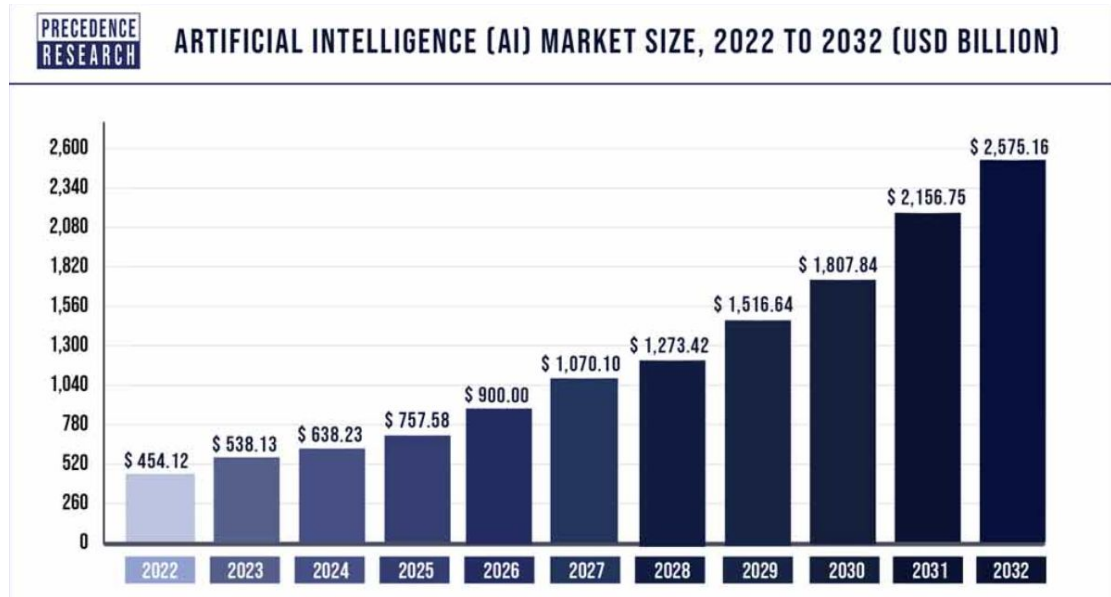
Oraichain – \$ORAI

By: Robert Burkhart & Brock Nelson

Date 11/28/2023

Macro Factors & Narrative

- A current market size of \$104 billion and an expected CAGR of 19.1% over the next 9 years AI.
- Cosmos Ecosystem has maintained steady Interchain volumes of \$1.4 billion on a 30 moving average
- Akash's and Fetch AI's recent 50% and 100% inclines display strong interest in alternative AI tokens



Market Demand

~~OraIDEX~~

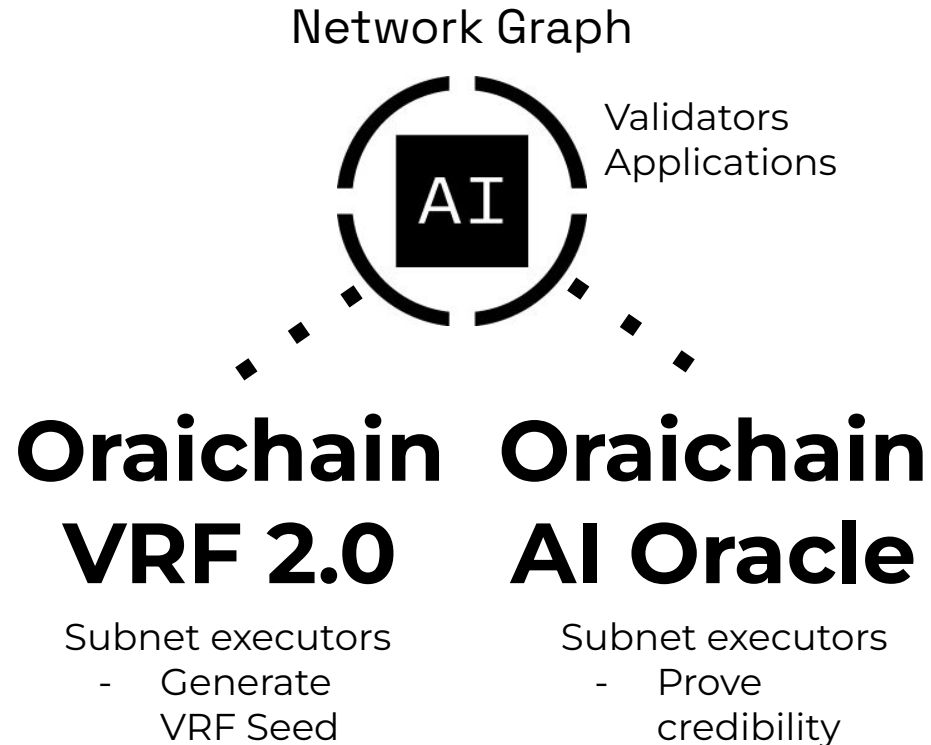
~~Oraichain
VRF 2.0~~

Oraichain
AI Oracle ✓



What Does Oraichain Do?

- Oraichain Verifiable Random Function (VRF) 2.0 and AI oracles operate on subnets
- Each of the two subnets have "subnet executors" that have dissimilar roles and responsibilities.



How it Works

Verifiable Random Function (VRF) Subnet:

- Randomization is paramount to reward distribution, gambling games, NFT collections, selecting representatives of consensus, and more
- For randomization to take place random number generation (RNG) must be **unpredictable, auditable, and tamperproof.**
 - Most VRFs suffer from the off-chain verification of group signatures and random number creation
- **Oraichain VRF 2.0 moves the signing process and seed generation** (the pseudo-random input that creates that random output) **on-chain** through a smart contract.



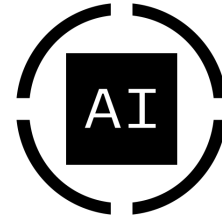
The graphic features the Oraichain logo (a blue circle with 'AI' and a circuit pattern) and the text 'Oraichain VRF v2.0'. Below this, two bullet points state: '✓ A Fully Decentralized VRF' and '✓ A Sub-network On Oraichain Mainnet'. The background is a dark blue space with a 3D isometric structure of blue blocks of varying heights. Each block has a white checkmark and a number: 35, 22, 04, 56, and 92. Small human figures are standing on the blocks. At the bottom left, there are social media handles: @orachain, /oraichain, @orachain, orai.io, and @orachain_official.



How It Works

AI Oracle Subnet:

- The AI oracle serves as a source of truth for the AI model to deliver payloads to smart contracts.
- **Nodes executing smart contracts need to have 100% accurate** or at least agreed upon information, **to generate deterministic outputs.**
 - Since AI models can not produce such accuracy Oraichain defines the precision parameters so all nodes may come to consensus and smart contracts may create deterministic outputs
- **Oraichain's AI Oracle ensures Artificial Intelligence is operating within reliability and performance** specifications to deter bias and then push the result to the final destination.



ORAICHAIN

The actual process flow for AI oracle:

Upon receiving a user request the AI Oracle, surveils AI models, captures performance benchmarks, and aggregates the results for comparison between the actual and expected returns. This process triggers a hook on an Oracle Script which examines the credibility of data aggregates across multiple AI Data Sources from dissimilar AI Providers to later be subjected to Test Cases. The Test Cases are executed within the Oracle Script by validators of the L1 and only after Test Case satisfaction does the result ossify on-chain.



Why The Protocol Matters To Consumers?



yAI.Finance



- VRF 2.0 is not a USP
- OraIDex is not a USP
- AI oracle is a developer facing USP

Developers that require verifiable and reliable AI computation for based yield farming, on-chain copyright, AI lending, facial recognition or haptics, and much more need AI.



Team



CEO: Chung Dao



CTO: Tu Pham



COO: Diep Nguyen

Team size: 58+ developers and employees

Location: Hanoi, Vietnam

CEO Chung Dao: Co-founder of Rikkeisoft



Roadmap

2022: AI Right

Provide AI Oracle solutions for NFTs

2022: OraiDEX

Decentralized exchange platform built on IBC and CosmWasm, anticipate OraiDEX vol2.0

2023: BlockAi.Care

AI-enhanced wellness assistant and ecosystem

2024: Mainnet 3.0

Exclusive AMA on Dec. 1 for sneak peak

2022: OWallet

Supports Cosmos and EVM-based networks.

2022: EUNO

Decentralized Encrypting Oracles for Web3 to build large-scale dApps

2023: Orchai

DeFi orchestrator on the mainnet providing market automation, leverage management, and liquid staking



Auditing Background

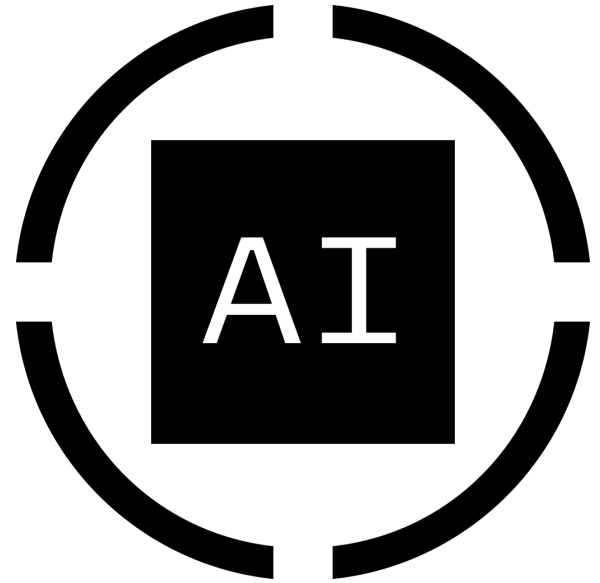
Oraichain has not been audited since 2021

Smart Contract Audit by Sysfixed in 2021

- Found no high risk issues
- Rated overall quality of the codebase GOOD

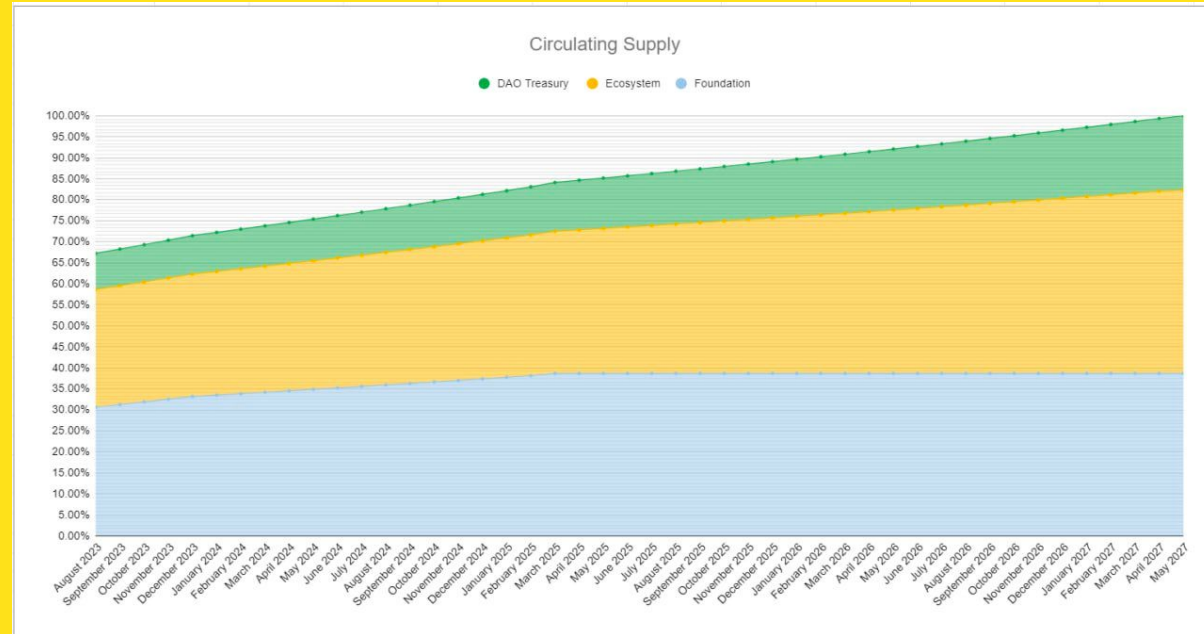
Smart Contract Audit by Cirtik in 2021

- Found one medium, two informational problems
 - All problems were acknowledged



Tokenomics & Vesting

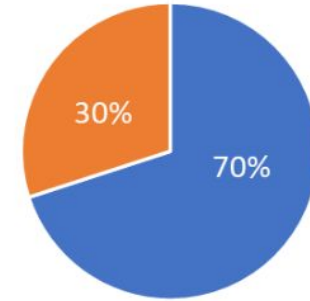
- Max Supply of 19.8M tokens
- 13.3M in circulation



How the token Captures Value

- \$ORAI
- \$ERC20 ORAI
- \$BEP20 ORAI
- Introducing: \$ORAIBTC

Transaction Fee Rewards



■ Oracle services, Staking, Governance ■ Validators Committing New Blocks



Investors



Competition Landscape

Project	Primary Protocol Focus	Core Functions
Orai	Cross Chain AI in smart contracts	Orai provides VRF, digital asset price feeds, and AI smart contract integration.
Band Protocol	Cross Chain Price feed for digital assets	Band Protocol offers blockchain explorers, digital asset price feeds, and verifiable random functions.
Chainlink	Cross Chain Price feed for digital assets	Chainlink delivers consistent, high-quality price feeds for digital assets in a cross-chain manner. It also provides smart contract automation (cronjob) and verifiable random functions.
Cardano	Orcfax provides only cardano related price data	Orcfax exclusively provides price data for the Cardano blockchain.
API3	Cross chain Price feed for digital assets and traditional equities	API3 offers a quantum random number generator and price feeds for digital assets, equities, and forex.



Comparable Analysis (Market Capitalization)

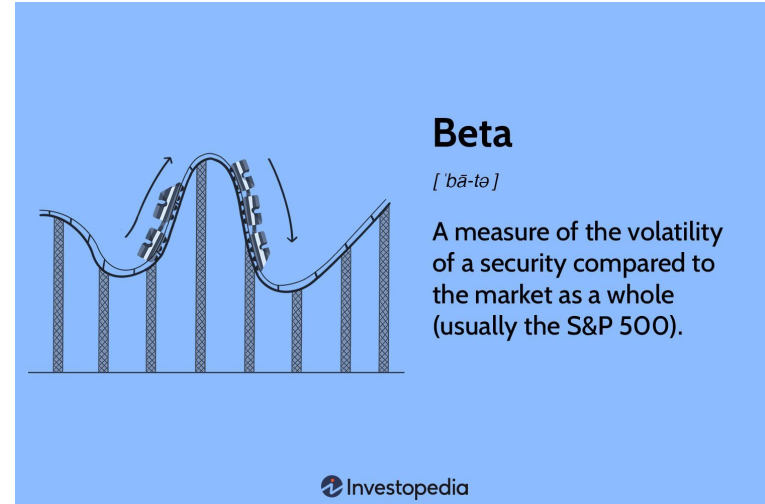
Protocol	FDV	TVL	FDV/TVL
Orai	\$ 58,687,689	\$ 5,934,803	9.89
Chainlink	\$ 13,601,845,345	\$ 2,700,000,000	5.04
Band	\$ 209,203,775	\$ 38,160,000	5.48
Binance Smart Chain	\$ 34,606,382,628	\$ 2,941,000,000	11.77
Avalanche	\$ 8,530,873,945	\$ 635,560,000	13.42
Fantom	\$ 912,676,422	\$ 58,000,000	15.74
Algorand	\$ 1,031,879,963	\$ 61,140,000	16.88
Cardano	\$ 16,681,830,855	\$ 255,250,000	65.35
API3	\$ 185,759,231	\$ -	Infinity

- FDV/TVL is the most applicable metric to compare protocols
- Global Blockchain AI market CAGR of 25%



Investment Thesis

- 1) Although Oraichain has a lackluster tokenomic model the intersectional product offering for AI & blockchain is too good to pass up.
- 2) To further clarify, by purchasing Oraichain we gain exposure to a high CAGR industry.
- 3) More so, the token that has more room to run as depicted by the FDV/TVL ratio versus competitors.



Fund Recommendation

Current Price:

\$3.81

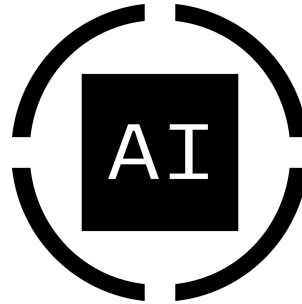
Market Cap:

\$55.5M

Fully Diluted Market Cap:

\$75.36M

\$ORAI



Action:

Buy 2 ETH Worth
of \$ORAI for ~
1,077 tokens



Questions?

