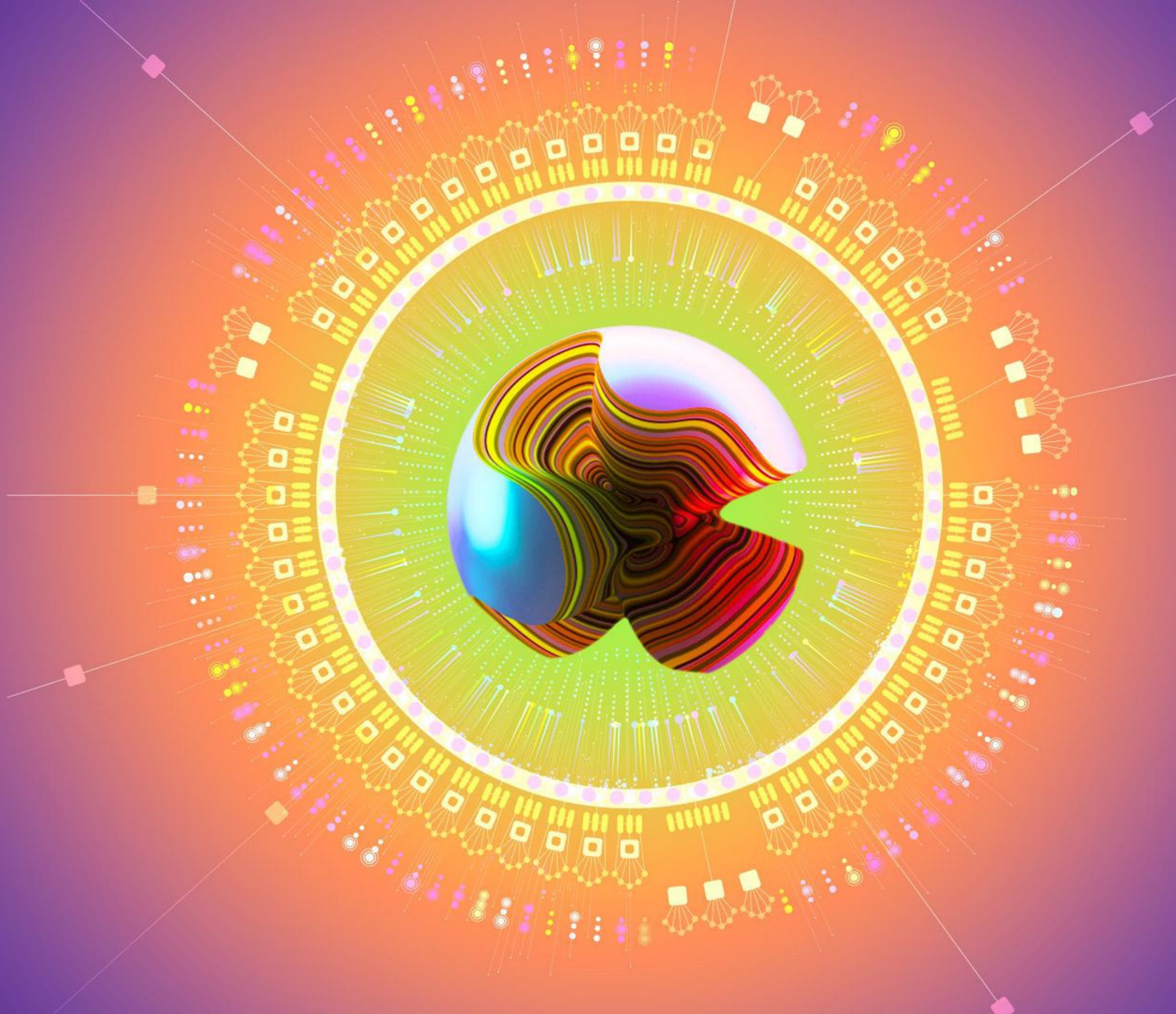# LAOS

The Universal Layer 1
For Digital Assets
Across All Blockchains

Offloading All Blockchains

LAOS NETWORK IS THE FIRST LAYER 1 PROTOCOL WITH BRIDGELESS CONNECTIVITY.

MORE THAN 20% OF ALL TRANSACTIONS ON ETHEREUM, ITS L2S, AND ANY OTHER MAJOR CHAIN, CAN BE OFFLOADED TO LAOS WITHOUT BRIDGES.

UNLIKE L2 PROTOCOLS, LAOS BRIDGELESS TECHNOLOGY ALLOWS DAPPS AND THEIR USERS TO REMAIN IN THE BLOCKCHAIN OF THEIR CHOICE, NOT FORCING USERS TO MIGRATE TO EMPTY CHAINS, NOR WRAP THEIR CURRENCIES.

Offloading All Blockchains

AS AN EXAMPLE, LAOS CAN BE USED TO MINT MILLIONS OF NFTS ON ETHEREUM WITHOUT INCURRING ETH GAS FEES, WHILE ALL RECIPIENTS TRADE THOSE ASSETS ON ETHEREUM, USING ITS DEFI ECOSYSTEM AND, ULTIMATELY, REMAINING WHERE LIQUIDITY SITS.

IDEAL FOR WEB3 GAMING, MASSIVE RWA TOKENIZATION, AND NFT COLLECTIONS; BUILDERS CAN MINT ASSETS ON ETHEREUM, POLYGON, THEIR L2S, AND ANY OTHER EVM-COMPATIBLE CHAIN, WITHOUT BRIDGES, AND PAYING GAS ONLY IN LAOS.

Bridgeless Minting Comparison

Cost to mint **1 Million NFTs** *

CHAIN	Mint 1M NFTs
Ethereum	$44 Million
Arbitrum	$264,000
Optimism	$228,000
Polygon	$25,000
Wax	$4,000
Solana	$650
LAOS	**$6.5**

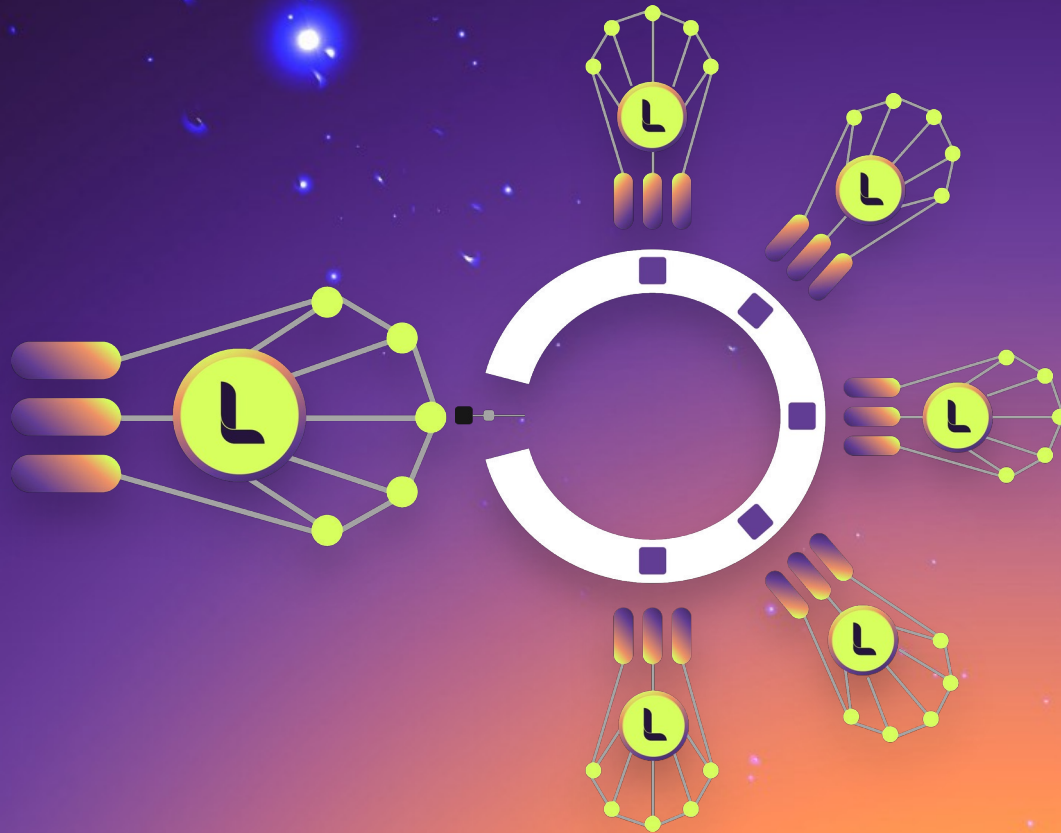| L2 scaling solutions	LAOS
Recipients of mints must bridge ETH or acquire a new coin, to begin trading them	Users keep using ETH/MATIC as usual. **No bridging required**
Limited TPS	Beyond the TPS of all **existing Layer 2s** combined
Typically: centralization of off-chain data & computation, bridge security issues, censorship possibilities	Fully **decentralized**, TX data is **on-chain**, 100% **censorship-resistant**
Long waiting times to bring the assets to the layer-1 (Ethereum, Polygon)	**Instant**, on L1 directly

TRY THE LIVE **DEMO** NOW

https://apps.klaos.io

* Considering token prices as of 4th of March 2024

LAOS will Scale Via Sharding Itself

LAOS **SPECIALIZED SHARDING** WILL BOOST ITS BRIDGELESS CONNECTIVITY, ALLOWING IT TO ADD VALUE TO EVERY LAYER 1.

SHARDING WILL LEAD TO A THROUGHPUT COMPARABLE TO AN ENTIRE ETH 2.0 OR POLKADOT, SPECIALIZED IN DIGITAL ASSETS, **WELL BEYOND THE TPS OF ALL EXISTING LAYER 2S COMBINED**

USING LAOS, APPLICATIONS REMAIN IN THE MATURE ECOSYSTEMS, BUILDING PREVIOUSLY IMPOSSIBLE USE-CASES

Gaming in Mature Blockchains

LAOS's **Bridgeless Minting** & evolution enables games to go beyond scarcity and play-to-earn, creating hundreds of millions of assets without leaving their preferred blockchain, without congesting it, and at a vastly reduced cost. This empowers gamers to trade, lend, and enhance their assets through the extensive applications available in the most mature ecosystems, including Ethereum and Polygon.

With LAOS's **Metadata Extension,** games can import any existing NFT in their game, adapting its image to the game look & feel, adding a 3D model, extending its attributes, and modifying such extensions as the asset is used. Games can choose to link these imports to in-app purchases. This offers the possibility of **incentivized cross-game interoperability**, avoiding IP and art-pipeline issues.

Forecast for Blockchain Gaming market:
- MarketsAndMarkets ~ **$65B** by 2027
- Naavik & Bitkraft Ventures ~ **$50B** by 2025
- iMarc ~ **$117B** by 2028

ENDLESS **OPPORTUNITIES**

Real World Asset Tokenization

Forecast for RWA market
Boston Consulting Group
~ **$16 trillion** by 2030

With LAOS **Bridgeless Minting**, tokenization of Real World Assets (RWAs) scale massively without departing from the most mature ecosystems, like Ethereum. From bonds to real estate, the anticipated demand for massive minting of RWAs can now be met without limits, while remaining connected to Ethereum's vast liquidity and DeFi infrastructure.

With LAOS **Metadata Extension,** all existing and new RWA can updated permissionlessly, at any time, without paying gas fees of the original chain. Invoices can be marked as paid, supply chain traceability extended, real-estate updated to reflect real-world changes, etc.

ENDLESS **OPPORTUNITIES**
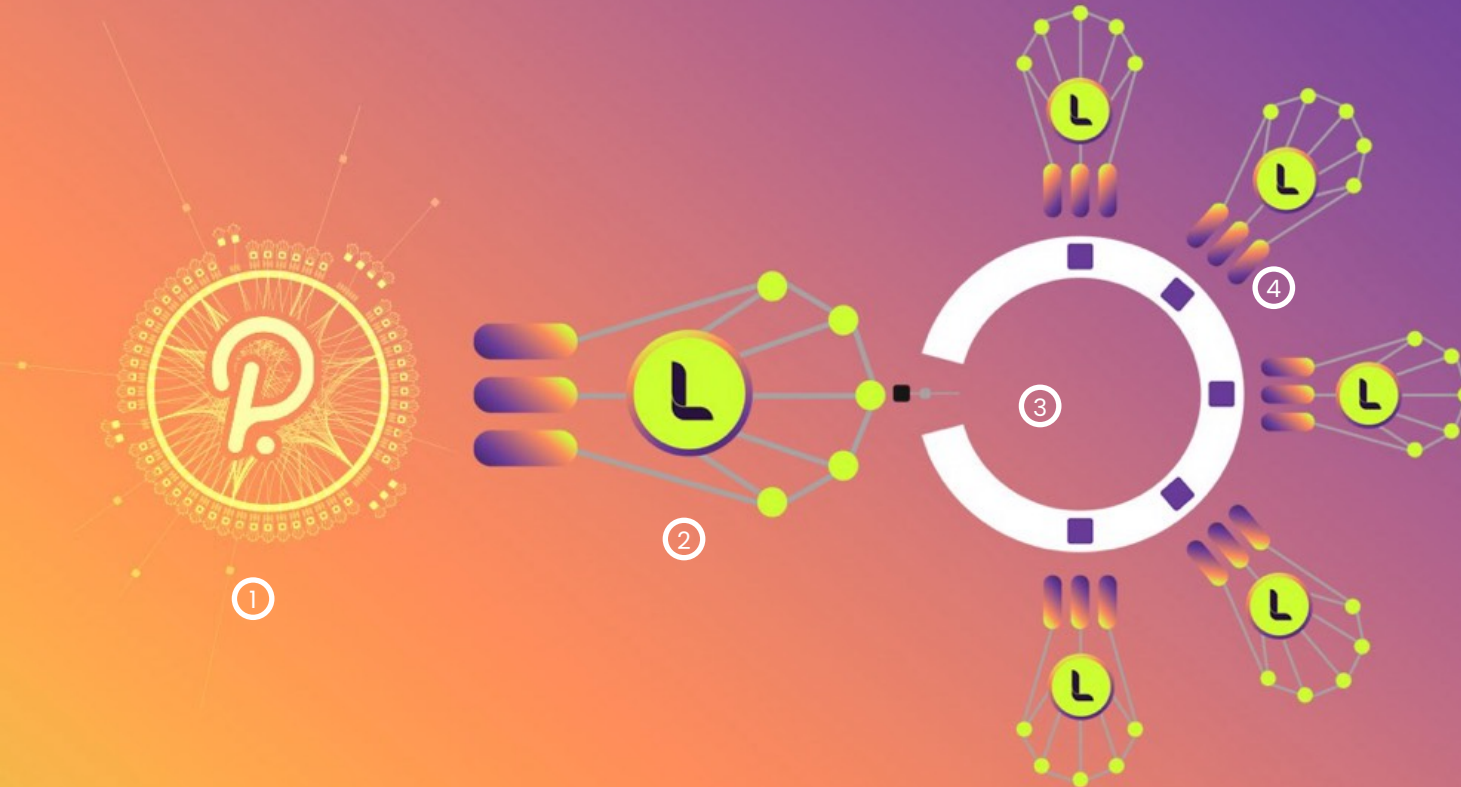
Marketplaces, Collectibles & Web3 Apps

With LAOS **Bridgeless Minting**, marketplaces and Web3 Apps compete to attract more users by offering mass minting on Ethereum or Polygon through no-code and API solutions. They absorb the minimal gas costs for all users meeting specific criteria and relay transactions to provide a gasless UX.

With LAOS **Metadata Extension**, existing collections are given a new lease of life, with their creators using LAOS to extend & evolve their initially static image & metadata, e.g., orchestrating seasonal campaigns. Marketplaces show the historical and current states, ensuring the collection's year-round relevance and continued value.

ENDLESS **OPPORTUNITIES**

Architecture Details

1 Polkadot Relay Chain
The relay chain will provide security to the LAOS Parachain form day zero.

2 LAOS Ownership Parachain
The Parachain will manage: the LAOS token, the ownership of assets created directly on LAOS, the state and governance of EvoChains

3 LAOS Specialized Relay Chain
A replica of Polkadot's relay chain, but specialized in digital ownership, and with token & governance deriving from the Parachain via a **fully trustless** light-client based bridge.

4 LAOS Specialized EvoChains
Evolution Chains will manage asset attributes, minting & evolution. They connect to the LAOS relay chain via standard Parachain pattern, hence inheriting security from it.

Founding team

CUPRA   PICKSELS   uplay   ATRESMEDIA

HYPER**REAL**.   Hedera   MEDIAPRO   THE NTWK

LAOS founded & promoted by Freeverse.

Founded in 2019. Raised $13M in private rounds. Builders of a Layer-2, live for 2+ years, used by Cupra, Hyperreal, Mediapro & various video games and brands.

INVESTORS

EARLYBIRD   Target Global   ONEFOOTBALL

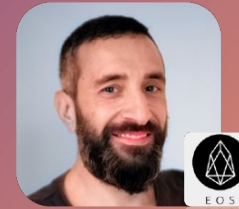ADARA VENTURES   4Founders capital SeedRocket partner   SEEDWAY VENTURES

DR. ALUN EVANS – CEO
Founder & CEO, Shar3d.io. Co-founder & CTO, Bodypal.com. Game Director, BCN World Race. R&D Director BCN Media Tech Center PhD CGI

DR. TONI MATEOS – CTO
Oscar Award for Scientific & Technological Achievements from the Academy, as co-creator of Dolby Atmos, from research to product, a tech that has reached ~1Bn users in 90+ countries.

ALESSANDRO SINISCALCHI – Head.Eng
Head of Engineering, Bel Air Cinema, 15+ years in mission-critical systems: telescope robotics @GRANTECAN, aerospace @INDRA, EOS Blockchain top dev & Mentor'19
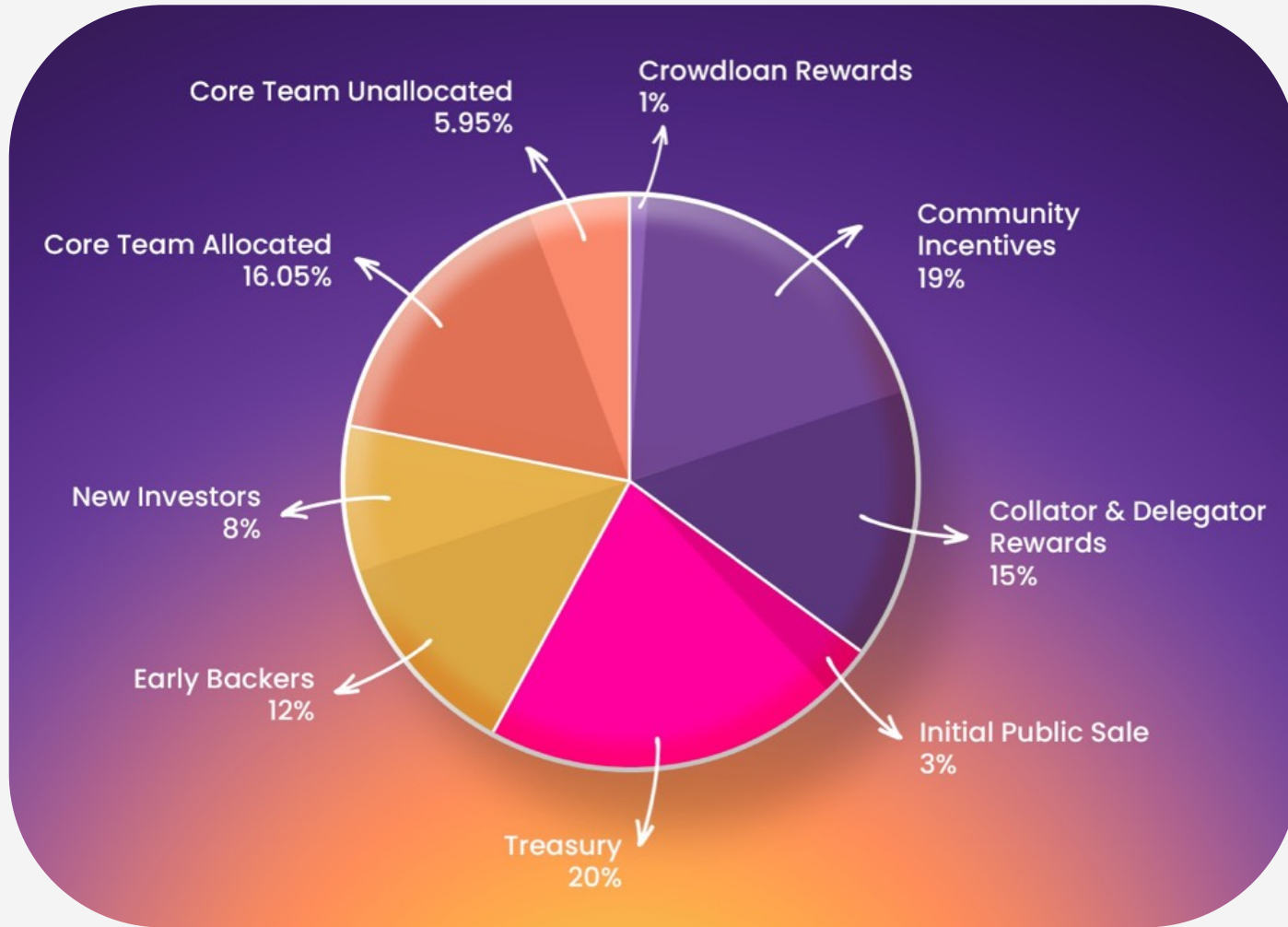
FERRAN ESTALELLA – COO
Manager @ Accenture. 18+ years consulting in Telecom Industry, Cellnex Network, Abertis Telecom Berkeley (US), LSE (UK)

LAOS Utility Token

Core Team Unallocated
5.95%

Crowdloan Rewards
1%

Community
Incentives
19%

Core Team Allocated
16.05%

Collator & Delegator
Rewards
15%

New Investors
8%

Early Backers
12%

Initial Public Sale
3%

Treasury
20%

USAGE

LAOS are needed to execute transactions, in the LAOS Ownership, Relay, and the Evolution Chains.

GOVERNANCE

LAOS is committed to becoming 100% decentralized. Token ownership will grant a participation in the future of LAOS through proposals, discussions, and voting.

STAKING

Stake LAOS to unlock a range of benefits, including additional token rewards and governance rights, while helping preserve the security of the network.

REGULATORY APPROVAL

The LAOS Foundation, based in Zug, Switzerland. The LAOS token has been **officially classified by FINMA as a Utility token**.
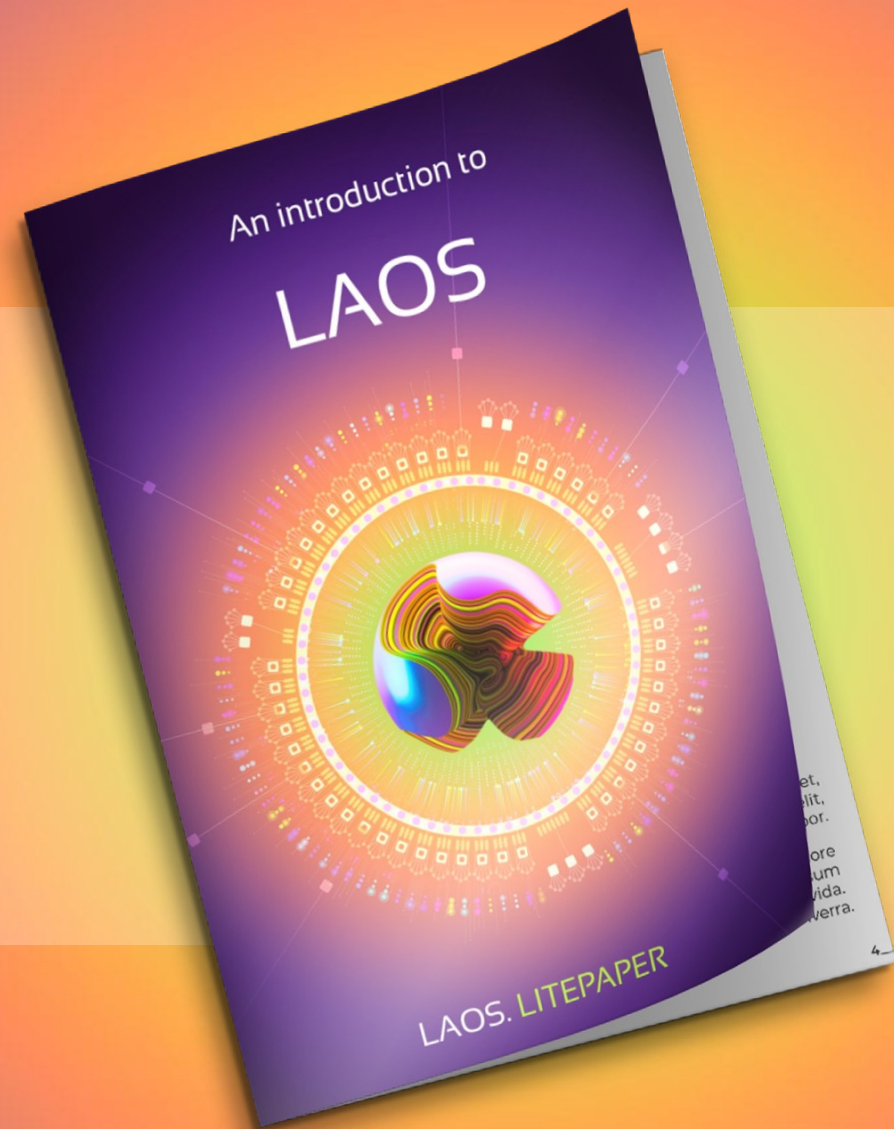
laosnetwork.io

More information: ⬇

Bridgeless Minting demo

Technical Whitepaper

Token Whitepaper

An introduction to

LAOS

LAOS. LITEPAPER

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