






Reafino

Litepaper

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Reafino: RealFi for Real Economies

Abstract

Reafino is a purpose-driven Web3 platform built on the Cardano blockchain, focused on connecting real-world economic activities - from grassroots microfinance and cooperatives to SMEs and large enterprises - through the principles of RealFi (Real Finance). Despite rapid growth in blockchain and DeFi, many sectors remain disconnected due to infrastructure gaps and regulatory complexity. Reafino bridges this divide by providing accessible, practical, and compliance-aware tools. By integrating tokenization and smart contracts, while aligning with regulatory considerations, the platform enables secure, transparent financial interactions, thereby unlocking inclusive participation and sustainable economic value across communities and sectors.

Keywords: Reafino, Cardano blockchain, RealFi, Financial inclusion, Tokenization, Smart contracts

1 Vision and Mission

Vision: To enable hundreds of real-world economic initiatives to thrive through Reafino's blockchain-powered platform - catalyzing millions in on-chain value flow and fostering inclusive economies that promote sustainable, shared prosperity.

Mission: To build a compliant, scalable, and user-friendly ecosystem that transforms everyday economic activities into transparent, blockchain-enabled ventures-advancing inclusive finance and equitable growth.

2 Platform Overview

Reafino connects real-world economic activities with decentralized finance by embedding blockchain technology through the Cardano blockchain. The platform offers tokenization of real-world assets, decentralized investment pooling, transparent profit-sharing and on-chain risk-sharing models triggered by verifiable events (e.g., weather data or contract milestones). Additionally, Reafino will provide gamification features to boost engagement and participation.

Inclusive by Design

Ready-made smart contract templates enable creators, cooperatives, and local enterprises to independently launch and operate their financial use cases—without requiring deep technical expertise.

Compliant and Secure

Where needed, Reafino will support real-world legal contracts aligned with local laws. The platform fosters accountability while preparing for decentralized governance through a DAO.

Trust through Transparency

All interactions on the platform are governed by smart contracts. Verifiable and auditable actions build trust and ensure that all parties operate within a transparent ecosystem.

Ecosystem Reciprocity

Reafino promotes ecosystem signaling by encouraging projects, particularly in crowdfunding and gamified segments to acknowledge Cardano through contextually appropriate recognition.

Ecosystem signalling for Cardano can range from subtle references in project metadata, dashboards, or documentation, to visible notes on About pages, social media, and even co-branding on homepages or physical materials. While core utility segments like insurance or pooled investments are more infrastructural, community-led initiatives present an opportunity to organically enhance Cardano's visibility. As such projects scale, this distributed model amplifies Cardano's positioning as the blockchain for real-world finance.

3 Product Segments and Use Cases

🌱 All-or-Nothing Crowdfunding

A smart-contract driven crowdfunding model where projects receive funds only if the targeted funding is met. Otherwise, all contributions are automatically returned. Creators can offer optional reward tiers to backers, including physical goods, NFTs, or special acknowledgments.

- **Creators & Innovators** – Independent creators often lack upfront capital and face challenges in building trust with backers. This model builds confidence by ensuring funds are disbursed only when goals are achieved.
- **Product Pre-Sales for Entrepreneurs** – Entrepreneurs must validate demand before production while avoiding financial overcommitment. Enables risk-free pre-sales where backers are only charged if the campaign succeeds—protecting both sides.
- **Cause-Driven Community Campaigns** – Non-profits and local groups need a transparent way to raise funds while ensuring public accountability. Contributions are securely held until goals are reached; if not, they are automatically returned.

🏠 Investment Pool with Profit Sharing

Tokenized investment pools where contributors fund real-world ventures and earn fair, smart-contract-managed returns. Ideal for farming, small businesses, and asset-backed sectors - advancing transparent, community-driven investment models.

- **Crop-Share Funding** - Smallholder farmers often lack access to upfront capital for inputs and equipment. By tokenizing future harvests, farmers and supporters transparently share both risk and reward through yield-linked returns.
- **Commodity/Real Estate Pools** - Traditional investment routes into commodities and real estate often lack accessibility, transparency, and efficiency. Pooled on-chain funding and smart contract-driven returns make high-value assets more trustworthy and frictionless to invest in.
- **Startup Revenue Sharing** - Early-stage ventures face capital constraints without wanting to lose equity or control. Tokenized revenue-sharing enables founders to raise funds while aligning long-term incentives with backers.

🛡️ Event-Linked Insurance

Tokenized insurance products that offer individuals and businesses coverage for specific risks or events. These policies are implemented as smart contracts that automatically trigger payouts based on predefined, verifiable conditions - eliminating bureaucracy, reducing fraud, and accelerating claims processing. A reliable, transparent solution for both personal and commercial use.

- **Weather/Climate Insurance** - Sectors like agriculture, logistics, and tourism are highly vulnerable to climate-related disruptions. On-chain weather oracles enable transparent, automated payouts that provide efficient protection against environmental risks.
- **Event Cancellation** - Public and private events face significant financial risk from unforeseen disruptions like weather or emergencies. Smart contracts automatically trigger payouts when a validated cancellation event occurs, ensuring fast and fair compensation.
- **Real Estate Protection** - Real estate investors face losses from tenant defaults, missed rent, or contract breaches. Tokenized insurance with predefined triggers delivers timely, automated compensation, increasing trust and reducing exposure.

🎮 Gamified Pools (e.g., Raffles)

A playful yet transparent fundraising model where users contribute to causes or campaigns and gain entry into raffles, contests, or other interactive reward mechanisms. These campaigns harness storytelling and blockchain-based transparency to make giving fun, fair, and community-driven—ideal for social causes, public goods, and community engagement initiatives.

- **Cause-Based Raffles & Contests** – Traditional fundraising methods often lack interactivity and incentives for contributors. Auditable raffles and creative challenges turn donations into engaging experiences, offering rewards that deepen participation.
- **Social Good Campaigns** – Social enterprises and nonprofits struggle to raise transparent, milestone-tied funding that builds donor trust. Blockchain-enabled campaigns offer verifiable fund usage, with NFTs fostering identity and community around giving.
- **Events, Tourism & Lifestyle Impact** – Impact-driven events and destinations lack tools to meaningfully connect visitor experiences with long-term regional goals. NFT-based tickets and souvenirs tie participation to causes like reforestation or clean water, creating lasting engagement and proof of impact.

4 How Reafino Works

Reafino simplifies the tokenization, coordination, and management of real-world economic activities through a modular, transparent workflow.

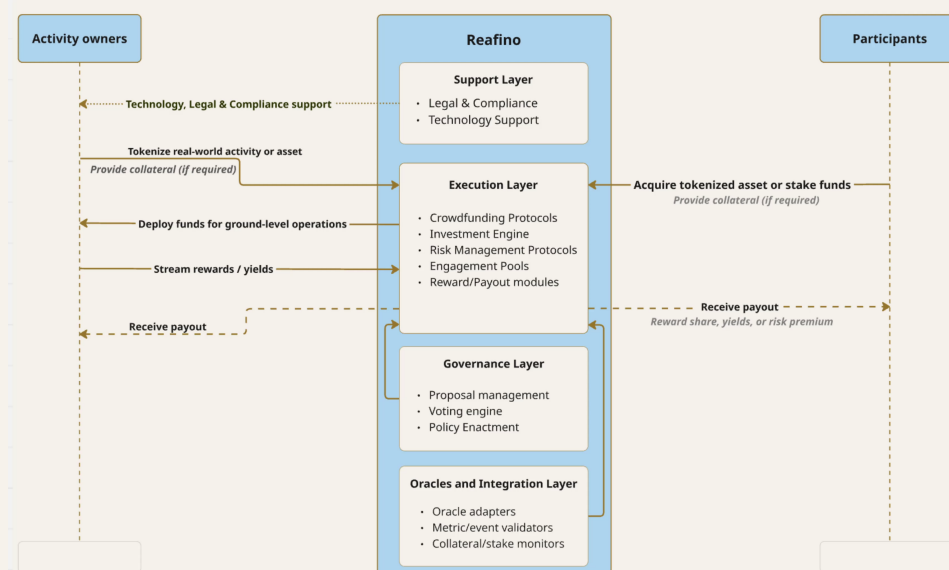


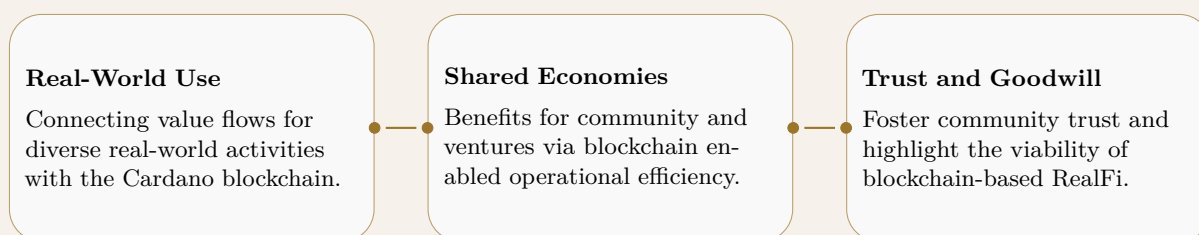
Figure 1: Interactions between stakeholders and Reafino's execution layers

The above diagram illustrates the Reafino workflow, from tokenization to reward distribution, highlighting the modular infrastructure that enables decentralized finance for real-world economic activities.

- **Tokenization of Economic Activities:** Owners of the economic activity use Reafino's tools to create digital representations of assets or projects, supported by optional legal and compliance modules. Where necessary, collateral is locked to build trust and safeguard commitments.
- **Decentralized Participation and Funding:** Participants contribute to tokenized initiatives, whether through crowdfunding, investment pooling, or risk-sharing mechanisms. Smart contracts handle fund aggregation, contribution tracking, and conditional logic automatically.
- **Oracle-Driven Data Validation:** When external data is required (e.g., weather data for crop insurance), oracles are integrated to ensure objective, tamper-proof validation—enhancing the platform's credibility and automation.
- **Automated Payouts and Benefit Distribution:** Reafino uses smart contracts to automate the distribution of profits, rewards, insurance payouts, and refunds. Whether based on contributions, performance, or predefined events, these on-chain mechanisms ensure transparent, rule-based execution—eliminating manual intervention and strengthening participant trust.

The workflow is entirely powered by smart contracts, ensuring automation, transparency, and trust. With permissionless, templated workflows, Reafino enables seamless integration for projects of all sizes - providing access to blockchain-enabled financial tools.

Reafino's Success Measures



5 Technology Framework

5.1 Smart Contracts

Smart contracts form the backbone of the Reafino platform, enabling seamless tokenization of assets, creation of decentralized funding pools, and automated distribution of profits, payouts based on ownership as well as DAO operations.

5.2 Stablecoins

Stablecoins are essential to RealFi as they mitigate the volatility of traditional cryptocurrencies, making them well-suited for real-world economic use cases such as hedging, payments, and disbursements. Reafino will support multiple stablecoins within the Cardano ecosystem, offering the flexibility to choose preferred stablecoin when setting up a project. This support is in addition to ADA and other Cardano native tokens. By integrating stablecoins, Reafino brings the stability and predictability required for seamless value transfer in real-world financial interactions.

5.3 Oracles and Data Attestation

In use cases like weather-based insurance or local market pricing, external data is essential for executing smart contracts. When available, oracles are used to securely fetch off-chain information and deliver it on-chain in a tamper-resistant manner. For scenarios where reliable oracles do not yet exist, Reafino will support third-party data attestation such as verified human inputs or institutional feeds, while ensuring data integrity through predefined safeguards. This flexibility enables trustable automation across a wider range of real-world conditions.

5.4 Tech Stack

The Reafino platform currently relies on Aiken and MeshJS for core Cardano integrations. This combination provides a flexible and scalable environment to support the platform's needs. Aiken allows the development of efficient, high-performance smart contracts that integrate smoothly with the Cardano blockchain. MeshJS is used to handle off-chain operations, such as constructing and submitting transactions, and interaction with wallets. As the development ecosystem evolves, Reafino will stay up to date with evolving development in the development ecosystem in Cardano.

5.5 Open Sourcing

All our smart contracts will be open-sourced following audit, ensuring transparency and enabling community review. As Reafino expands into new sectors and use cases, additional smart contracts will be developed and similarly released to foster trust, collaboration, and long-term ecosystem resilience.

5.6 CIP-113 RWA Standard

CIP-113 introduces a standard for *programmable tokens* on Cardano. These tokens require a validator script to authorize transfers, enabling conditional control over token movement. This model lays the foundation for enhanced compliance, lifecycle management, and secure custody of tokenized Real-World Assets (RWAs).

Key benefits are:

- **Programmable Transfers:** Transfer conditions are embedded via smart contracts, allowing only transactions that meet predefined rules to succeed.
- **Compliance-Friendly Design:** Legal or regulatory constraints can be encoded directly into token behavior through custom transfer and issuance logic.
- **Smart Wallet Architecture:** Each user has a deterministically derived smart wallet, allowing secure holding and rule-bound transfer of programmable tokens.
- **Interoperability:** A shared base script and registry promote consistent token behavior, making it easier for dApps and wallets to support diverse assets.

Implications for Reafino: Reafino stands to benefit from CIP-113 by potentially issuing programmable

tokens for RWAs with embedded compliance and transfer logic. While still under development, the standard could enable legally aware asset flows, improve auditability, and build greater trust among institutions—supporting Reafino’s RealFi mission as the ecosystem evolves.

5.7 Layer 2s

Layer 2 solutions such as Hydra enhance transaction efficiency, enabling low-cost, high-throughput operations on Cardano. For Reafino, this supports use cases like micropayments in microfinance, milestone-based crowdfunding, and high frequency payments. It also strengthens real-time transparency in supply chains and social impact tracking—ensuring trust, traceability, and responsiveness at scale.

5.8 Midnight

Midnight brings data protection, selective disclosure, and compliance-ready infrastructure enabling secure, enterprise-grade RealFi applications without compromising transparency or integrity. Midnight will allow Reafino to shield sensitive data such as wallet addresses and funding sources while supporting zero-knowledge verification and jurisdictional compliance. This ensures privacy-preserving participation and secure onboarding of enterprises and institutions in regulated environments.

6



Tokenomics

The total supply of Reafino tokens is fixed at 100 million, with a distribution and usage model designed to promote decentralized participation, long-term sustainability, and transparent governance.

6.1 🦾 Token Utility

Reafino tokens serve as the backbone of platform engagement and governance. Users can utilize tokens for:

- Staking to access platform benefits and incentives
- Participating in DAO proposals and votes
- Supporting liquidity across decentralized exchanges
- Accessing gated features or campaigns on the Reafino platform

Community participants who contribute to the ecosystem - whether through governance, liquidity provision, or activity on the platform - may receive non-guaranteed, protocol-based incentives, subject to DAO proposals and evolving governance mechanisms. All allocations and incentive models are driven by on-chain decisions, not centralized actors.

Additionally, the DAO may vote to allocate a portion of platform revenue (e.g., protocol fees) to areas such as ecosystem grants, community initiatives, or reward pools, aligning with Reafino’s goal of shared value creation.

6.2 🕒 Vesting & Sustainability Commitments

Reafino takes a utility-first and fair-access approach to token distribution:

- No VC or private allocations: Tokens are not reserved for early insiders or speculators.
- Product first, Token after: Reafino tokens will be available only after the public testnet is launched, giving the community a chance to interact with the product before committing.
- Team & advisor tokens are vested over a multi-year period with cliff schedules, minimizing the risk of short-term sell-offs or misaligned incentives.
- The platform is fully non-custodial and transparent, reducing reliance on centralized control or trust.

Reafino’s launch design is focused on empowering early community participants, rather than selling access or speculation. Token use is directly tied to protocol interactions like staking, voting, and access to features, with all holder incentives governed on-chain by smart contracts.

6.3 🇮🇹 Distribution Breakdown

Category	Allocation	Description
Public Sale	72%	A fair, multi-phase launch with no VC or insider allocations ensures open and decentralized community participation.
Team & Advisors	12%	Subject to a multi-year vesting schedule to ensure long-term alignment and accountability.
Liquidity Bootstrapping	12%	Allocated solely to seed DEX liquidity. Not used for development, team, or infrastructure.
DAO Treasury	4%	Reserved for DAO-driven initiatives - including grants, governance bounties, and ecosystem expansion.

7 🏛️ Governance

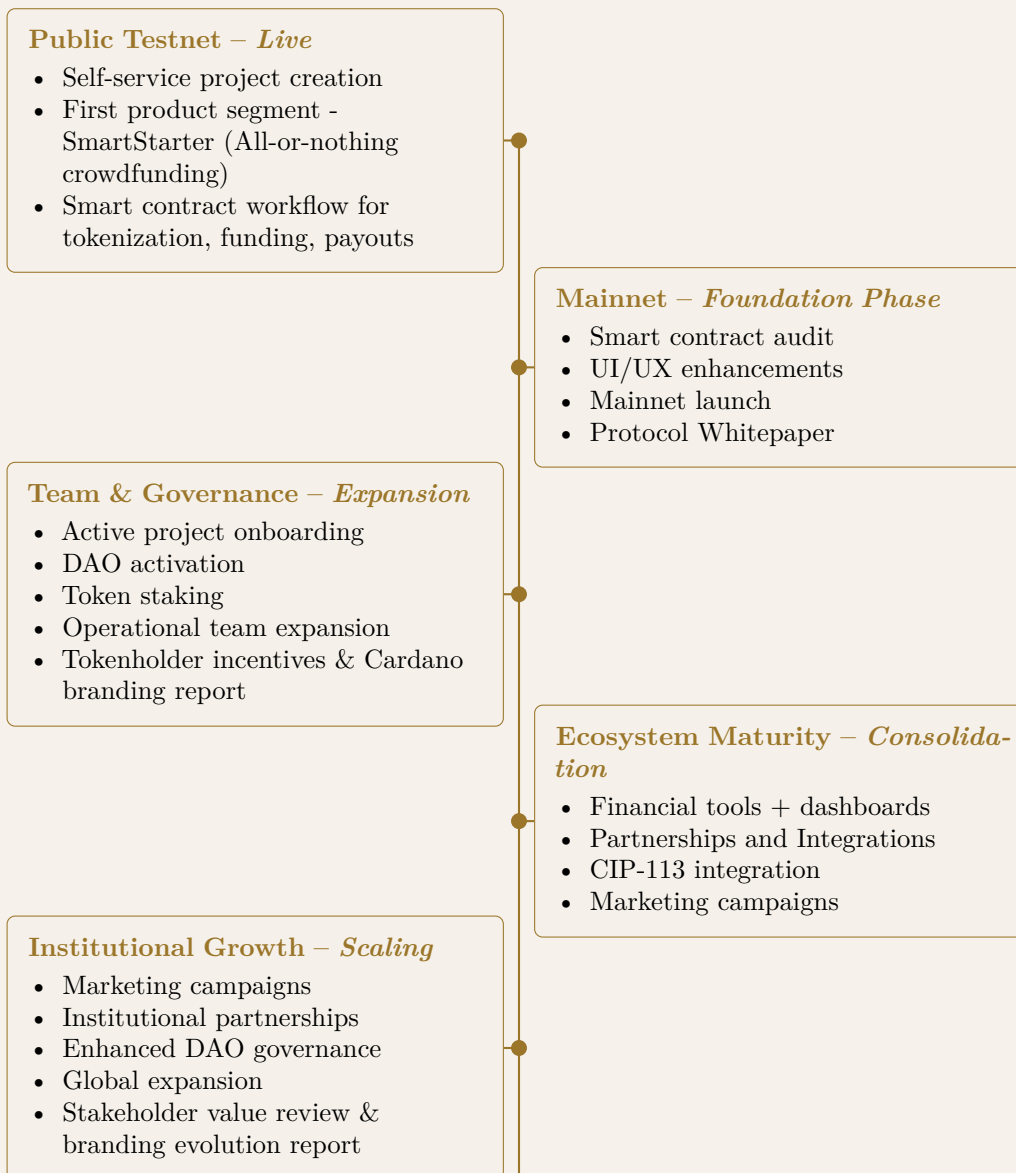
Reafino is committed to a community-first approach through the implementation of a Decentralized Autonomous Organization (DAO), placing real decision-making power in the hands of its stakeholders. As Reafino scales, onboarding diverse real-world use cases such as crowdfunding, decentralised equity pools and event-linked insurance - the DAO will play a pivotal role in shaping which initiatives are prioritized.

Key governance areas include:

- **Resource Allocation:** Proposals and votes can influence the allocation of platform-generated resources, such as ecosystem incentives or staking rewards, ensuring alignment with community priorities and the platform's evolving needs.
- **Ecosystem Growth Decisions:** Community input will guide the onboarding of new sectors, geographies, and partnerships, ensuring that growth remains mission-aligned and locally impactful.
- **Protocol Upgrades & Treasury Management:** The DAO will vote on platform enhancements and the management of treasury funds, ensuring transparency and accountability in supporting initiatives that drive the platform's sustainability and innovation.
- **Sustainability & Impact Measures:** Governance will also influence how Reafino balances profit with purpose - especially for social good projects, charity raffles, and environmental initiatives, ensuring that value is created for the platform and society at large.

4% of the total token supply is allocated to the DAO treasury, providing a financial backbone for decentralized governance and ecosystem incentives. Governance rights will progressively be activated, with voting power based on token holdings, typically via staked tokens, ensuring proportional influence for participants.

8 Roadmap



9 Conclusion

Reafino is a RealFi platform that delivers practical financial solutions for real-world economies - enabling sustainable growth, inclusive finance, and transparent value exchange. With user-friendly tools, scalable infrastructure, and a focus on regulatory alignment, Reafino supports long-term adoption across communities and sectors. Built on Cardano, it combines the strengths of decentralization with the demands of Real Finance.

To learn more, visit reafino.io or join our community on [Discord](#).