PruAgro

Modernity in
agrobusiness.

WHITE PAPER V2

PruAgro Agribusiness Ventures

English Version

About PruAgro

It was founded through the combined expertise of professionals from different fields, all connected to agribusiness, who work together to expand and diversify the expansion of sustainable agriculture and livestock farming in a country considered one of the world's largest food producers, yet underutilized by its natural resources.
The company was founded in 2015, focusing on equipment and physical projects for the development of machinery and special services for the rural sector.

Today, with a focus on expanding its projects and services, it has launched a new way of bringing partners and investors to the rapidly growing market in Brazil: agriculture, livestock, and other sectors.
In 2024, essentially in July, a change occurred. The company introduced a new project; a new concept rarely used in Brazilian agribusiness—the Tokenization System.

But what is it?

The Tokenization System for rural assets and production seeks to leverage new businesses to expand production capacity for food production and sustainable control of natural resources.
Adoption of Blockchain technology for secure, publicly available information control for our partners, making it visible and easy to understand. This technology integrates important information for rural producers and investors, thereby bringing greater reliability to results.
Our goal is to incorporate technologies that already exist in other countries and are successful in business, strengthening local manufacturing partnerships and expanding the range of resource supplies to improve agricultural production, tracking, and quality. The following are important objectives:

Main Characteristics of the PruAgro Ecosystem.

Creation of the Hybrid Blockchain and its Characteristics:

The hybrid blockchain uses both public and private concepts, focusing on agribusiness.

Public Layer: For transparency, traceability, and trust in the market

Private Layer: For confidential data and sensitive transactions between business partners and others.

Architecture and Functionalities Used:

Combined Public and Private Layers

Public:
Use of the EVM (Ethereum Virtual Machine - ERC20) standard to migrate Smart Contracts, tokens, and other components (e.g., the Polygon network). Use of the DAG (Directed Acyclic Graph) standard to increase transaction speed scalability and parallel processing validations for IoT devices (ground sensors, drones).

Private:
Use of the standard (Hyperledger Fabric) operates in permissioned environments, where participants are identified (confidential smart contracts between producers, buyers, and manufacturers).

Security:

SHA-512 and ZKP encryption (military-grade advanced hashing + Zero-Knowledge Proofs for privacy)
ISO 20022 - Financial Payment System for standardizing transaction communication for various institutions, facilitating circulation.
Mining Architecture, Apps, and ISO 20022:

Overview

COMPONENT	TECHNOLOGY PROTOCOL	PROTOCOL FUNCTION
Mobile Mining	**Proof-of-Participation (PoP)**	**Users validate transactions via apps (rewards in tokens).**
Payment Standard	**ISO 20022**	**Standardization of messages for financial transactions (banking compliance).**
Public Network	**Polygon + DAG**	**Liquidity and tokenization layer**
Private Network	**Hyperledger Fabric (ISO 20022)**	**Confidential data and institutional payments.**

Smartphone and Tablet Mining Model:

How it Works:
Mobile App: Farmers or stakeholders run a lightweight app that validates microtransactions (e.g., IoT sensor data).

Participates in consensus via Proof-of-Participation (POP), where "useful work" (such as sending harvest data) generates rewards.

Resource Savings:
SHA-512 algorithm optimized for mobile (e.g., GPU/CPU usage for short periods).
Transaction batching to reduce battery consumption.

Transaction Standardization:
ISO 20022 Messages:
pacs.008 (Payments): For transfers between banks and farming tokens.
camt.053 (Statements): Transaction history in regulatory formats.

Advantages:
Interoperability: Connects crypto payments to banking systems (e.g., Pix, SEPA).

Compliance: Complies with regulations such as PSD2 (Europe) and Open Banking.

Multifunctional Wallets, Priority Uses For producers:
Store tokens, certificates of origin (e.g., non-deforested soy), and smart contracts.
Integration with CAR (Rural Environmental Registry) via oracles.

For banks:
Issuance of tokenized LC (Letters of Credit) for export, with automation via ISO 20022.

Hybrid Blockchain Implementation Schedule
Phase 1 - (12 months): MVP with basic traceability.
Phase 2 - (12 months): Integration with IoT and smart contracts.
Phase 3 - (16 months): Asset tokenization and expansion for export.

In this part, there will be specialized companies adhering to the use of the system for test evaluations and implementations in the Public and Private Layers.

Token Distribution and Applications PruAgroCoin Token (PAC):
The PruAgroCoin Token (PAC) is an ERC-20 cryptographic token on the Polygon Network.
When the ecosystem is ready, the smart contract will be migrated to PruAgroCoin's own blockchain.

Token Distribution and Applications PruAgroCoin Token (PAC):

Tokenomic:

Total supply: 1,500,000,000,000 PAC - 1.5 trillion
External Investors * 6% - $90,000,000,000 Billion PAC
ICO Pre-Sale ** 33% - $495,000,000,000 Billion PAC
Application and Mining 28% - $420,000,000,000 Billion PAC
Development Team 15% - $225,000,000,000 Billion PAC
Marketing, Partnerships, and Airdrops 15% - $225,000,000,000 Billion PAC
Reserves and Project Guarantee Funds 3% - $45,000,000,000 Billion PAC
Burn: Will be applied to the tokens covered by (External Investors - If the entire amount offered is not used for trading)
(ICO Pre-Sale - 50% of the total unsold amount from the phases at the end of the campaign, and the remaining 50% unsold amount will be added to the Mining Supply).

(Reserves and Project Guarantee Funds) may also be burned in their entirety if there is no need for their application within the processes.

*External Investors: All those seeking to directly negotiate with projects, purchasing shares to tokenize their assets directly through the website; completing registration and signing contracts, respecting the deadline for liquidity release.

** ICO Pre-Sale: Will be staggered, with initial amounts announced on the direct presale website; with 8 phases in total, each phase will have 60 days to complete or until the amount offered for each phase is exhausted.

Token Listings on Exchanges (DEX and CEX) will be announced by the end of the PAC Token ICO Pre-Sale.

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Investing in crypto assets involves high risk due to their volatility, as values can rise or fall significantly. It is important to be aware of the tax implications, as profits may be subject to capital gains tax or other taxes. Regulations related to cryptocurrencies vary widely, so it is crucial to comply with the rules applicable to your country. Before investing, thoroughly research the token or cryptocurrency, understand its fundamentals, and only invest amounts that you will not lose if the asset declines.

ICO Pre-Sales:
Intended on the sales website to raise initial funds for the development of the Ecosystem, using Blockchain and its resources.

Total Supply: 495,000,000,000 PAC

FASE	PERÍODO	VALOR (USD)	TOKENS OFERTADOS
PHASE 01	60 DAYS	$ 0,0005	25 BILLIONS
PHASE 02	60 DAYS	$ 0,0007	35 BILLIONS
PHASE 03	60 DAYS	$ 0,0009	45 BILLIONS
PHASE 04	60 DAYS	$ 0,001	55 BILLIONS
PHASE 05	60 DAYS	$ 0,003	65 BILLIONS
PHASE 06	60 DAYS	$ 0,005	75 BILLIONS
PHASE 07	60 DAYS	$ 0,007	95 BILLIONS
PHASE 08	60 DAYS	$ 0,009	100 BILLIONS

If the tokens are not fully sold in each phase, their remaining amount will be added to the amount for the next phase.

At the end of the ICO presale, 50% of the remaining amount will be burned, and the
remaining 50% will be added to the mining system once the blockchain is in use in its first phase.

Where the funds raised in the ICO phase will be used:

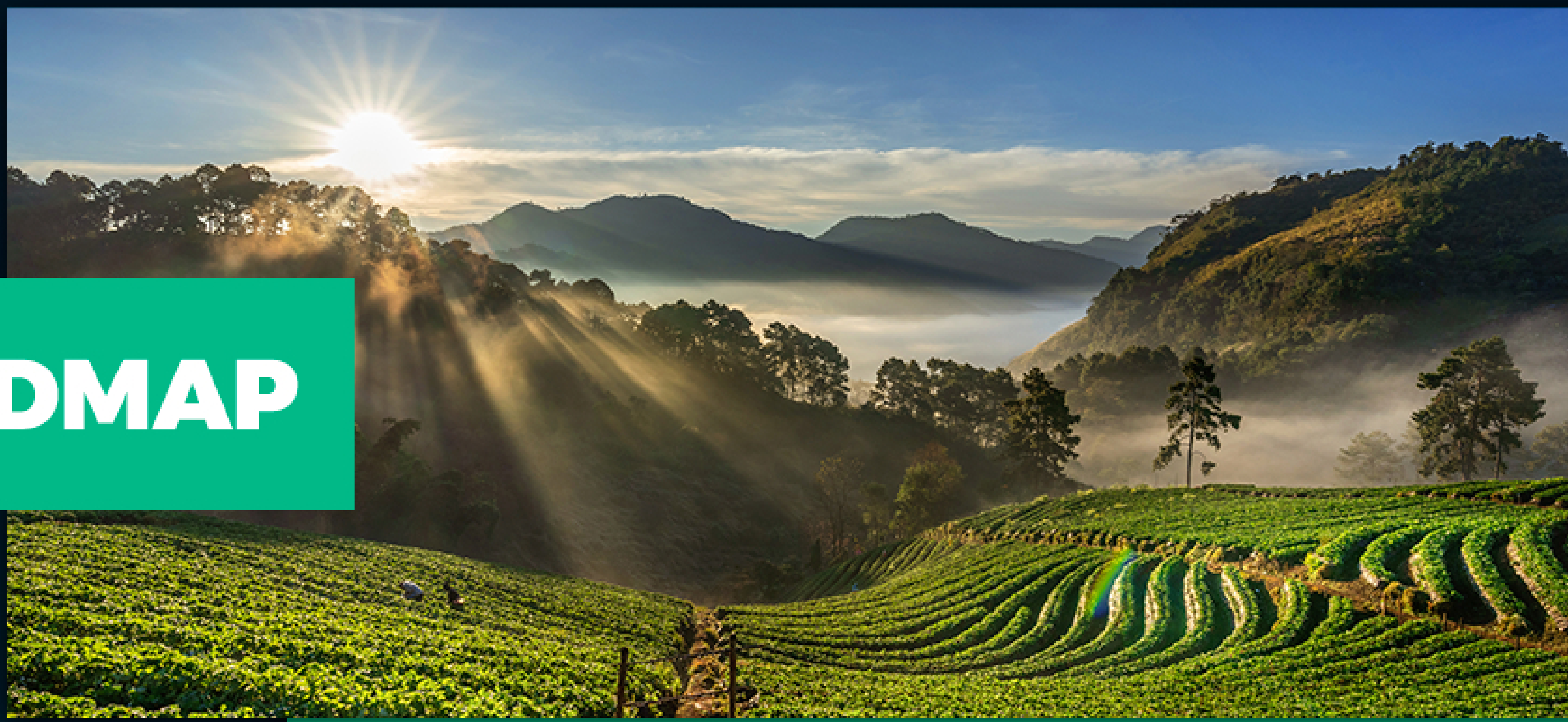
40% - Technical development (Blockchain + mining app).
30% - Marketing and partnerships (cooperatives, banks, technical fairs).
20% - Compliance (ISO 20022, regulatory).
10% - Security reserve/Liquidity (Adjusted according to actual demand).

Main Physical Projects to Be Implemented

Agricultural Crop Cultivation
Animal Husbandry and Fish Farming
Vertical Farms (Laboratories and Greenhouses)
Smart Irrigation
Agrivoltaics (Power Generation)
Reforestation and Forestry
Storage and Drying (Grain Silos and Warehouses, among others)
Logistics (Naval, Rail, Road)
Manufacturing Inputs (Fertilizers, Proteins, Feed).

All the above-mentioned projects may be Tokenized, as sales are finalized through Blockchain Network negotiations.

Physical assets may be acquired through partnerships established throughout the process and may even be acquired in conjunction with the Ecosystem's progress.



ROADMAP

Roadmap

2nd Semester of 2024
Company Development and Initial Projects
Development of the Agricultural Culture business model
Development of a manageable business ecosystem
Onboarding of external investors
Development of the Business Website and Token

1st Semester of 2025
Beginning of regional commercial partnerships
Development of the ICO and Beta Testing
Advertising Campaigns (phase 1)
Beginning of partnerships with global financial and commercial institutions
Partnerships with external technology investors

2nd Semester of 2025
Advertising Campaigns (phase 2)
Opening of the ICO Pre-Sale and its stages directly on the website
Development of projects related to the Culture defined in the first business model
Attracting rural producers for extension and research projects

1st Semester of 2026
Advertising Campaigns (phase 3)
Blockchain Development (phase 1)
Opening of technological projects enabling Agribusiness
Opening of new businesses and rural enterprises

2nd Semester of 2026
Participation in national and international trade shows and events
Advertising Campaigns (phase 4)
Token Listing on Coinmarketcap and Coingecko
Expansion of PruAgro to other Brazilian states and abroad

1st Semester of 2027
Market Development Abroad with Other Agricultural Crops
Blockchain Development (phase 2)
Advertising Campaigns (phase 5)
Closing of the ICO presale

2nd Semester of 2027
Opening of Franchises for Developed Crops
Token Listing on External Platforms
Project Financing for Small Producers and Agricultural Partners
Advertising Campaigns (phase 6)

1st Semester of 2028
Blockchain Development (phase 3)
Advertising Campaigns (phase 7)
Beginning of Release of Tokenized Crop Development Projects (Coffee, Corn, Soybean).
Development of an Agrivoltaic System with Tokenized Crop Consortia

2nd Semester of 2028
Approval for partnerships and application development on the blockchain
Beginning of approval for grain storage and drying projects
Beginning of approval for irrigation and forestry projects
Advertising campaigns – (phase 8)