$HECTR Whitpaper

Empowering Sustainable Agriculture, One Hectare at a Time

August 15, 2025 V.13

Executive Summary

$HECTR is building the foundational infrastructure for a decentralized food economy, where farmers earn more, consumers access traceable, high-quality food, and impact is verified on-chain.

The ecosystem launches with the $HECTR token (Q3 2025), powering a layered architecture:

- Pakta, is a programmable trust layer that facilitates interaction via self-executing and autonomous smart contracts to automate funding, verify outcomes, and govern regenerative incentives.

- Impakta, a passive web and mobile interface for viewing, analyzing, and communicating with blockchain protocols, designed to connect farmers, funders, and consumers in a transparent, closed-loop marketplace.

The initial rollout in Malaysia offers access to Pakta and Impakta, which farmers may choose to use to leverage decentralized tools that facilitate the conversion of digital capital into verifiable food supply and aligned incentive structures. . These tools set the foundation for a scalable model ready to expand across diverse regions and agricultural systems and eventually governed by a decentralized, community-led DAO.

Introduction

Smallholder farmers produce over 70% of the world's food but remain disconnected from modern capital, quality inputs, and transparent markets.

$HECTR closes that gap by delivering verified support through blockchain: grants that can't vanish, inputs that restore soil, and smart contracts that track every outcome.

It's more than a set of accessible software tools, it's a scalable system that regenerates land, rewards ecosystem participants, and delivers clean food with traceable confidence.

Mission

We are restoring integrity to the food economy, from seed to spoon. Farmers deserve fair value for their work, and consumers deserve confidence in what they eat. By combining blockchain technology with agro-ecological restoration, $HECTR decentralizes agricultural power, regenerates land, and unlocks a transparent, verifiable food system, built for those who grow it and those who eat from it.

Ecosystem Overview

The $HECTR ecosystem is a three-layered architecture built to coordinate, verify, and scale regenerative agriculture:

- $HECTR Token: the economic engine that enables access, incentives, and coordination between participants

- Pakta Layer: A general-purpose smart contract infrastructure that users may choose to engage with to encode agreements, verify regenerative practices, and execute logic related to funding, input distribution, and impact validation, without custody or centralized control.
  (Derived from the Sanskrit and Pali word "pakta," meaning agreement or pact, symbolizing on-chain trust.)

- Impakta Platform: A passive user interface that enables participants to optionally access third-party onboarding tools, Pakta's blockchain protocols for funding logic, real-time impact tracking, and engagement with product claim programs.
  (Its name reflects "impact," a system designed for measurable, real-world outcomes.)

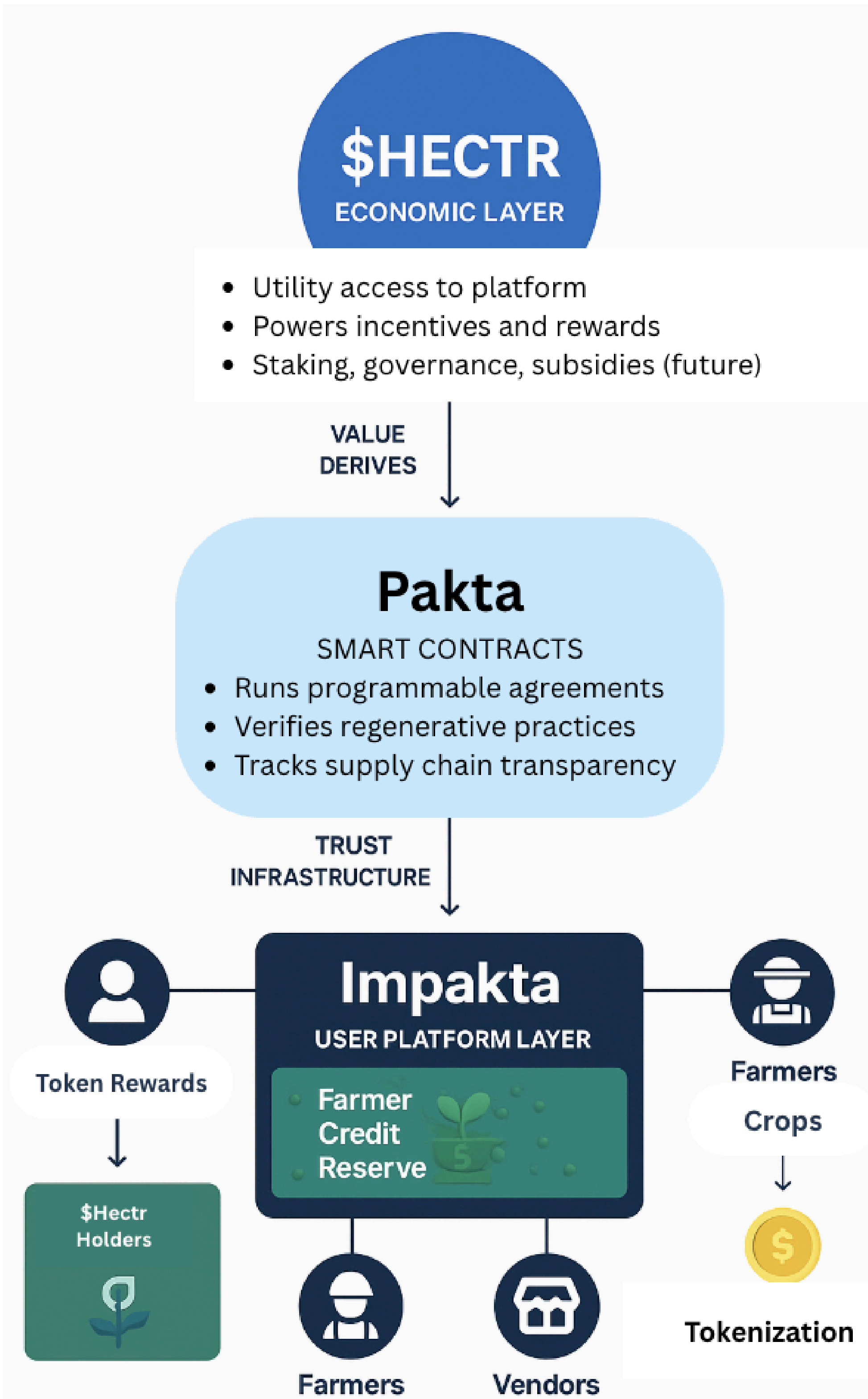
Together, they move $HECTR beyond simple transactions into a decentralized coordination protocol, where every action, from funding to harvest, is traceable, auditable, and transparent.

The $HECTR Impact Model

Each $HECTR token contributes to:

- Soil restoration with organic solutions
- Crop protection using natural pest and mold control
- Digital farmer onboarding with blockchain-based tools
- Land title verification and digital crop management

25% of Total Token Supply is dedicated directly to supporting sustainable farming solutions and farmer support programs.

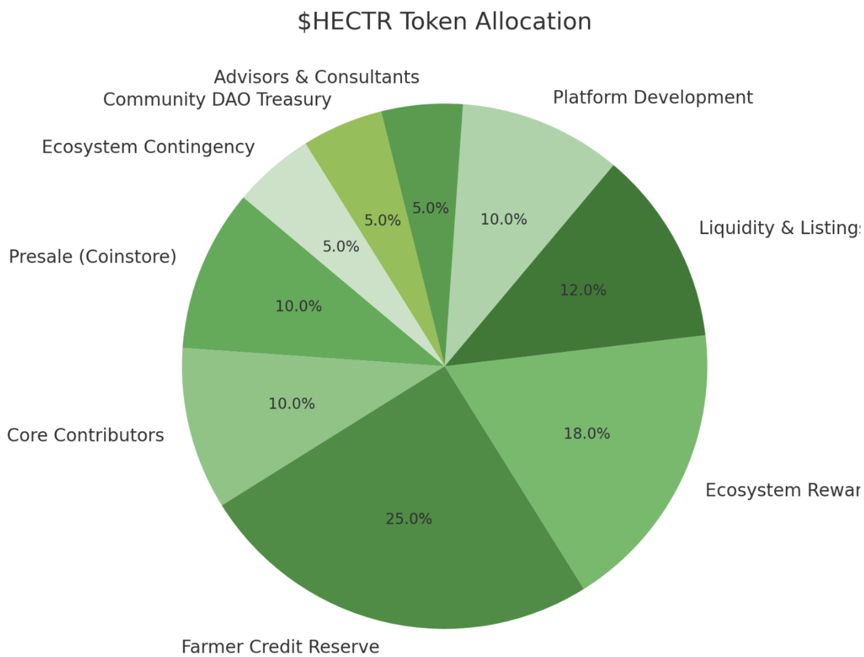

$HECTR
ECONOMIC LAYER
Utility access to platform
Powers incentives and rewards
Staking, governance, subsidies (future)
VALUE DERIVES
Pakta
SMART CONTRACTS
Runs programmable agreements
Verifies regenerative practices
Tracks supply chain transparency
TRUST INFRASTRUCTURE
Impakta
USER PLATFORM LAYER
Farmer Credit Reserve
Token Rewards
$Hectr Holders
Farmers
Crops
Tokenization
Farmers
Vendors

Tokenomics

Token Name: $HECTR
Ticker: $HECTR
Total Supply: 1,000,000,000

The allocation of $HECTR tokens is structured to ensure long-term sustainability, ecosystem growth, and direct farmer impact while maintaining liquidity and development capacity.

Category	Tokens	% of Supply	Vesting / Notes
Presale (Coinstore)	100,000,000	10%	Fully liquid at TGE
Team & Core Contributors	100,000,000	10%	24-month vesting, 12-month cliff
Farmer Credit Reserve	250,000,000	25%	Smart contract-controlled credits
Ecosystem Rewards	180,000,000	18%	Programmatic grants and platform incentives
Liquidity & Listings	120,000,000	12%	Third-party exchange access and independent liquidity facilitation tools
Platform Development	100,000,000	10%	Pakta and Impakta build-out
Advisors & Consultants	50,000,000	5%	12-month vesting
Community DAO Treasury	50,000,000	5%	Reserved for DAO governance
Ecosystem Contingency	50,000,000	5%	Emergency ecosystem support



Utility & Incentives

$HECTR provides holders with access to staking rewards, governance participation, and subsidy-based incentives. As Pakta comes online, staking will trigger programmable grant mechanisms, while oracle-verified data will validate regenerative practices across the ecosystem. These features will be delivered through the Impakta platform, offering a seamless interface for farmers, tokenholders, and participants.

Beyond coordination and incentives, $HECTR will also function as a medium of exchange for verified agricultural products grown within the ecosystem. As supported farmers complete harvest cycles, a portion of their product will be mapped, tokenized, and offered to $HECTR holders through product claim programs.

This utility enables token holders to:

- Redeem $HECTR for food produced by verified, regenerative farmers
- Pre-buy harvests and receive products post-yield through community-supported agriculture models
- Support decentralized food networks or institutional sourcing with a traceable, ESG-aligned token

Product Claim pilots will launch with verified vendors and logistics partners in select urban centers, with plans to scale via a distributed fulfillment network. This closes the value loop, allowing $HECTR to support regenerative practices while also giving token holders direct access to sustainable, on-chain agricultural goods.

Farmer Credit Grants

25% of tokens are allocated to empower farmers via smart contract-controlled credits. Credits are non-transferable and redeemable only for approved agricultural inputs and services through the Impakta platform. This model ensures targeted support and prevents token market dumping while maintaining full transparency.

Technology Stack

The $HECTR ecosystem is structured as a modular, three-layered stack built for trustless coordination, programmable incentives, and real-world impact tracking in regenerative agriculture. Each layer serves a distinct technical function, with interoperability across the full system.

1. Token Layer: $HECTR

- The $HECTR token is deployed as an ERC-20 asset on Base, an Ethereum Layer 2 network developed by Coinbase. Base provides low transaction costs, rapid finality, and full EVM compatibility, enabling $HECTR to operate seamlessly within the Ethereum ecosystem.
- It serves as the access token and unit of account across the ecosystem, used in platform transactions, smart contract triggers, and decentralized incentive coordination.

2. Infrastructure Layer: Pakta

- Pakta is a modular, self-executing smart contract framework designed for deployment on Base and Ethereum-compatible networks. It functions as the backend logic layer that enables users and ecosystem participants to encode agreements, validate outcomes via oracles, and coordinate programmable incentives. By leveraging Base's scalable and cost-efficient infrastructure, Pakta ensures rapid contract execution and interoperability with the broader Ethereum ecosystem.

Pakta will:

- Automate disbursements for farming grants and regenerative input credits
- Interface with oracles to verify real-world events (e.g., soil data, crop yields)
- Anchor milestone-based funding triggers and impact proofs

- Long-term, Pakta will evolve into a Layer 2 system or sidechain, enabling high-volume processing of micro-incentives and decentralized verification nodes, without centralized administration or intermediated validation.

3. Application Layer: Impakta Platform

Impakta is a passive, non-custodial web and mobile interface that enables users, including farmers, tokenholders, and ecosystem partners, to interact with the $HECTR network.

Designed for broad accessibility, including in rural connectivity environments, Impakta offers modular interface components through which participants may access tools, data, and protocol-enabled functionality without intermediated control. Core functional modules will include::

- **Farmer Onboarding**: Digital identity verification, land profiling, and cooperative registration

- **Campaign Management**: Creation and coordination of funding initiatives, subsidy distribution, and grant allocation

- **Impact Monitoring**: Real-time dashboards reflecting verified on-chain outcomes from Pakta smart contracts

- **Product Claim Program**: A marketplace enabling $HECTR holders to access food and agricultural products grown through the ecosystem

The interface will be built with a modular architecture to support iterative deployment, language localization, and third-party integration. Future enhancements may include decentralized data storage, verifiable credentials, and ESG reporting tools.

Malaysian Pilot Project: Blockchain Access for Farmland Tokenization

As part of the pilot initiative in Malaysia, users of the $HECTR ecosystem may access blockchain protocols that enable the tokenization of farmland and agricultural outputs. The Malaysian turmeric pilot will develop a 5–10 hectare site, managed locally by Malaysian leadership in partnership with Morganics.io.
Through non-custodial, user-directed interactions with these protocols, participants may::

- Tokenize farmland and crop outputs via self-directed smart contract tools
- Receive NFT-based attestations of contribution or participation
- Track on-chain data related to land use, cultivation milestones, and harvest events
- Engage with optional community modules for coordinating funding or recognizing impact

This model strengthens the $HECTR ecosystem by offering permissionless access to infrastructure that connects blockchain-based coordination tools with real-world agricultural activity, productive agricultural assets, reinforcing long-term value and sustainability for all participants.

Partners

Morganics.io is the first committed vendor to the $HECTR project, providing regenerative agricultural solutions and managing initial field deployment. The $HECTR platform is designed to onboard additional complementary vendors over time, expanding services and solutions available to farmers within the ecosystem. Riverhouse Foundation continues to manage the blockchain infrastructure and supports the development of the ecosystem, ensuring secure, traceable, and scalable operations.

Implementation Plan

Phase 1 (Q3 2025):

- $HECTR Token launch
- Malaysian agricultural pilot project involving the development of a five-to-10-hectare turmeric cultivation site. The project will be managed by Morganics and its team of agricultural experts.
- Airdrops for $HECTR holders unlock immediate utility, including access to product claim programs and additional ecosystem features.

Phase 2 (Q4 2025 – Q2 2026):

- Pakta backend trust layer development
- HALAL certification

Phase 3 (H2 2026):

- Impakta platform launch for large-scale user engagement
- DAO governance
- Carbon credit integration

Conclusion

$HECTR is the foundation for a transformative agri-fintech ecosystem that combines blockchain transparency, programmable smart contracts, and a user-friendly platform to drive real-world agricultural regeneration. With a phased rollout of $HECTR, Pakta, and Impakta, we ensure measurable impact, empower smallholder farmers, and create a sustainable future for global agriculture.

DISCLAIMERS

The $HECTR ecosystem, supported and maintained by Riverhouse Foundation, is dedicated to empowering agricultural initiatives in developing economies by expanding access to decentralized infrastructure, tools, and opportunities that promote sustainable growth and economic resilience. Participation in the ecosystem is entirely voluntary and user-initiated.

To the knowledge of Riverhouse Foundation (the "Foundation"), the $HECTR token is intended solely as a functional, consumptive digital asset within the $HECTR network. It is not designed or intended to function as an investment vehicle or to deliver profit, yield, or appreciation in value. Holding $HECTR does not grant any ownership interest, equity, voting rights, management rights, rights to revenue or profit sharing, or any other legal or financial interest in the Foundation or any affiliated entity.

The Foundation does not buy, sell, custody, broker, or market-make $HECTR or any other tokens on behalf of others. It does not guarantee access to any third-party exchange or liquidity venue. Any interaction with blockchain protocols, including any user-initiated tokenization initiatives, is non-custodial, user-directed, and conducted without centralized control.

Riverhouse Foundation does not represent that $HECTR has, or will have, any use or value outside the protocol-enabled functionalities available in the $HECTR network. Access to any on-chain resource, software, or product claim programs is subject to smart contract logic and community governance, where applicable.

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