

HashiFlo: Intelligent AI Liquidity for Japanese Agri-RWAs

By Sapient Predictive Analytics Pte Ltd

HashiFlo extends the Fund 14 HashiRWA prototype into a focused agricultural RWA pipeline for Japan, delivering AI valuation, pricing transparency, and digital workflows to prepare real agricultural assets for Cardano.

What's New in Fund 15

- AI valuation v2 with certification-aware pricing and confidence scoring.
- Producer onboarding with structured tokenization preview.
- Refined investor dashboard with yield filters and on-chain indicators.
- A streamlined, Japan-first agricultural RWA workflow.

Adoption Targets

Direct Ecosystem Impact

- AI-guided pricing creates a realistic entry point for Japan-origin RWAs.
- Full workflow: onboarding → metadata → valuation → tokenization simulation.
- Supports Japan's rapid movement toward digital asset experimentation.
- Establishes reusable agricultural RWA data standards for Cardano.

Expected Measurable Outputs

Testnet Activity

- 500–1,000 testnet transactions including valuation calls, oracle checks, metadata publishing, and simulated minting.

Agricultural Assets Onboarded

- 20–30 real agricultural assets processed end-to-end.

Prototype Users & Testers

- 100+ beta testers across producers, early adopters, and technical testers.

“Agricultural RWAs are among Japan’s most globally trusted exports. HashiFlo brings transparency, valuation clarity, and digital workflows that help bring these assets onto Cardano in a structured, accessible way.”

Prototype Screens

Graphic 1: Producer Onboarding + AI Fair-Value Estimation

HashiRWA Producer Onboarding v2 – AI Valuation & Tokenization

Producer Details

- Producer Name: Enter name
- Prefecture: Select prefecture
- Product Name: e.g., Premium Rice
- Certification: e.g., Organic JAS
- Lot Size (kg): e.g., 5000
- Harvest Date: dd/mm/yyyy

AI Valuation

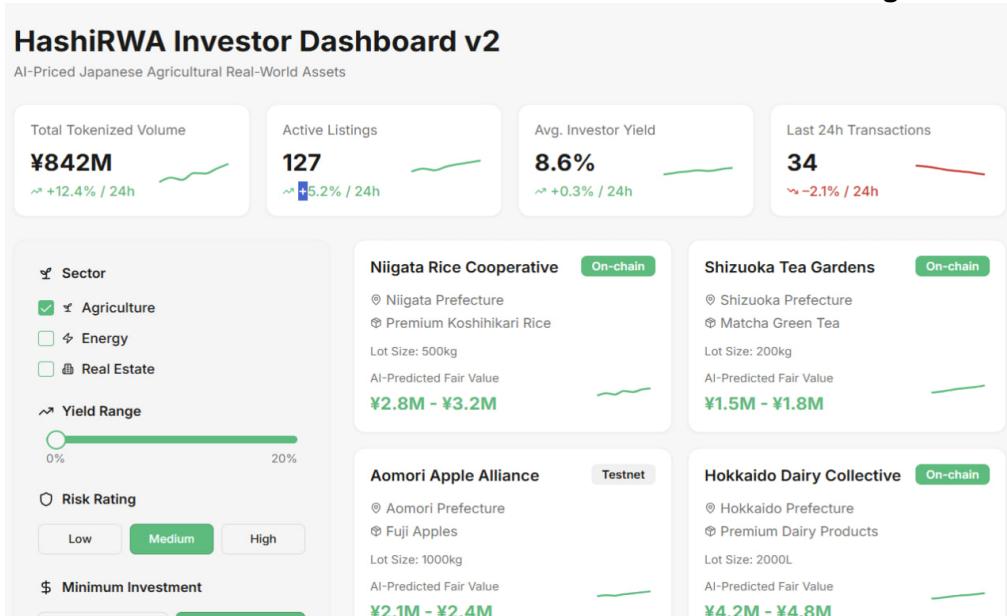
- Inputs: Historical Price Range (JPY/kg) Min Max
- Quality Grade: Select grade
- Market Channel: Domestic Export
- Preview: Predicted Fair Value Range **¥425,000 – ¥485,000**, Confidence **87%**, Market Trend (line chart)

Tokenization Settings

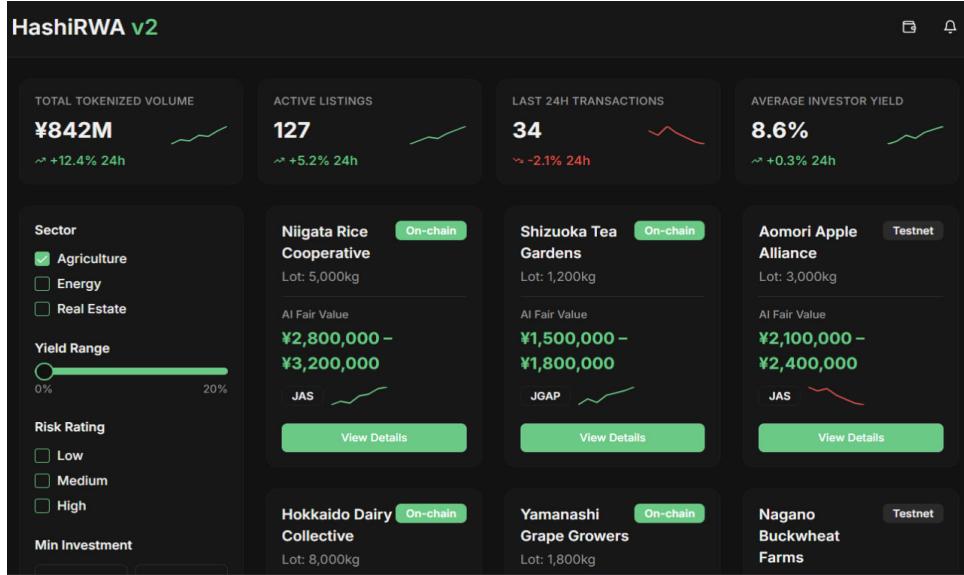
- Token Name: e.g., Niigata Rice 2025
- Token Ticker: e.g., NRW25
- Total Tokens: e.g., 10000
- Target Price per Token (JPY/ADA): e.g., 500

Generate Tokenization Preview

Graphic 2: Internal Review Console - Asset Profiles and AI Price Ranges



Graphic 3: Simulated Marketplace View for RWA Listings — Prototype Preview



Project Spirit & Voter Pitch

HashiRWA #2

農業からWeb3へ

A bridge from Japanese agriculture to Web3 – powered by AI valuation and transparent asset

How It Works

- 1 Producer Onboarding**
Agricultural producers submit lot details, insurance, certification, grade, historical price range, and harvest data. Our onboarding interface standardizes metadata to ensure consistency across Japanese agriculture.
- 2 AI Valuation & Verification**
The system instantly generates fair-value ranges, confidence scores, and market trend lines.
- 3 Tokenization Preview & Marketplace Listing**
Producers generate token name, supply, and implied price. Approved assets appear on the investor dashboard with predicted valuations, filters, and on-chain/testnet status.

(On-chain integration shown through testnet transaction simulation.)

Why Vote for HashiFlo in Fund 15

HashiFlo delivers a realistic, testable agricultural RWA pipeline for Japan — a sector renowned for trust, quality, and export value. Rather than a conceptual idea, HashiFlo produces measurable activity: valuation flows, metadata ingestion, listing simulations, and structured asset profiles that prove RWA feasibility on Cardano.

Backing HashiFlo supports Cardano's strategic positioning in an industry where digitalisation is accelerating. It lays the groundwork for future enterprise pilots,

cross-border tokenization pathways, and deeper RWA liquidity layers that strengthen long-term ecosystem value.

Tech Stack

Python + Flask backend
Local JSON state (simulation)
Light + dark UI prototypes

Access

GitHub: <https://github.com/Sapient-Predictive-Analytics/hashirwa>

Disclaimer

This prototype demonstrates workflow, valuation logic, and UI interactions. Full smart contract deployment and on-chain settlement will be delivered in later phases.