

# 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

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

HashiRWA Investor Dashboard v2

AI-Priced Japanese Agricultural Real-World Assets

Total Tokenized Volume

¥842M

+12.4% / 24h

Active Listings

127

+5.2% / 24h

Avg. Investor Yield

8.6%

+0.3% / 24h

Last 24h Transactions

34

-2.1% / 24h

Sector

Agriculture

Energy

Real Estate

Yield Range

0%20%

Risk Rating

Low

Medium

High

Minimum Investment

Niigata Rice Cooperative

On-chain

Niigata Prefecture

Premium Koshihikari Rice

Lot Size: 500kg

AI-Predicted Fair Value

¥2.8M - ¥3.2M

Shizuoka Tea Gardens

On-chain

Shizuoka Prefecture

Matcha Green Tea

Lot Size: 200kg

AI-Predicted Fair Value

¥1.5M - ¥1.8M

Aomori Apple Alliance

Testnet

Aomori Prefecture

Fuji Apples

Lot Size: 1000kg

AI-Predicted Fair Value

¥2.1M - ¥2.4M

Hokkaido Dairy Collective

On-chain

Hokkaido Prefecture

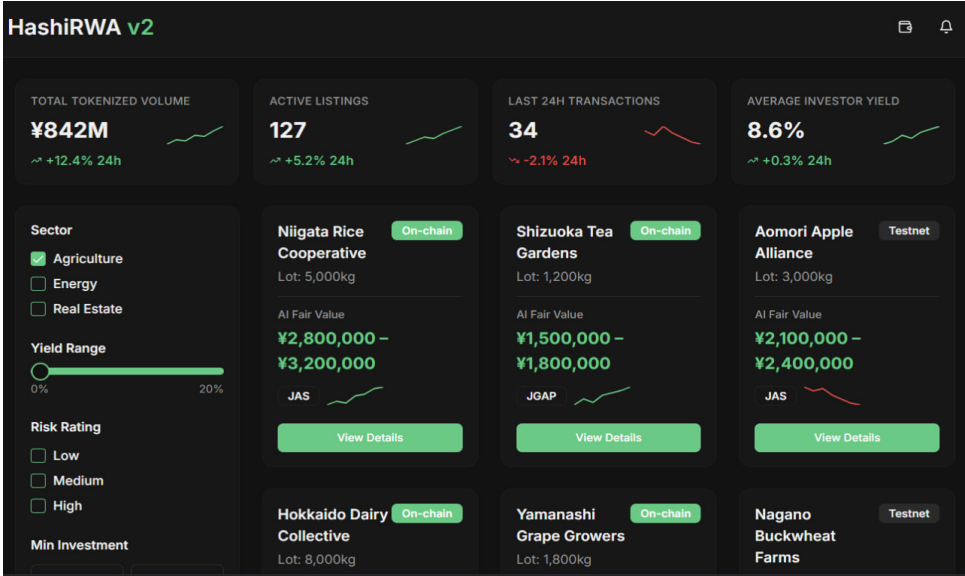
Premium Dairy Products

Lot Size: 2000L

AI-Predicted Fair Value

¥4.2M - ¥4.8M

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.