ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.



SOLUTION FACTSHEET

aQysta: Digitized organic value chain platform

2026–2027

UN WFP World Food Programme | INNOVATION ACCELERATOR

Solution Summary

Location:
Nepal

Solution type:
Digital agricultural platform

Innovation stage:
Proof of Concept

Grantee:
aQysta Nepal Private Limited

Implementing entity:
World Food Programme

Funding received:
USD 80,000 (Adaptation Fund)

ADAPTATION FUND

The Adaptation Fund Climate Innovation Accelerator provides grants and technical assistance to innovative solutions for adapting to climate change.

Adaptation Innovation

- aQysta is a platform providing smallholder farmers with organic inputs, connecting them with domestic and export markets and digitizing the value chain on a pay-after-harvest basis.
- aQysta provides farmers with services such as training, certification and seeds on a pay-after-harvest basis. Indigenous and intercropped varieties that improve soil health and resilience and increase farmer income are prioritized.
- The platform deals with a lack of data, transparency and traceability in the supply chain by digitizing each step of production and trade on its platform, ensuring fair pricing.

Climate Impacts

The solution is helping Nepal adapt to:

Landslides

Floods

High temperatures and heatwaves

Key Achievements

- The platform secures traceability, transparency and fair pricing of produce for farmers by digitizing all steps of the supply chain.
- Farmers are provided with training, important certification and organic inputs such as seeds on a pay-after-harvest basis.
- Farmers are provided with seeds that are of indigenous and intercropped varieties, helping to improve soil health and strengthen resilience and supporting Nepal's wider climate adaptation needs.

Replication and Scaling Potential

- The aQysta model, once validated by the AFCIA Sprint, can scale within Nepal by expanding to additional municipalities and new provinces and expanding vertically by deepening services for existing farmers.
- The digital backbone of the platform enables low-cost replication without heavy new infrastructure. Additionally, in an international context, growing demand for traceable and sustainable food, combined with similar smallholder constraints, creates potential beyond South Asia.

To learn more, visit WFP-AFCIA aQysta

Investment Potential

- **Business model:** Digitized, pay-after-harvest model.
- **Revenue per year:** USD 466,000 in 2023, USD 640,000 in 2024 and projections of USD 1.1 million for 2025, representing an average growth rate of around 77 percent year-on-year.
- **Sustainable approach:** A key element of aQysta's financial sustainability strategy is long-term partnerships with organizations already investing in farmer capacity. The long-term goal is to operate financially sustainably without reliance on grants.

Project Location



Last updated: 30/10/2026