



REPORTING 2025 EVIDENCE



Public-Private Partnership Scales Digital Climate Advisories for 10 Commodities to 139,000 Farmers Across Five Regions in Myanmar

OVERVIEW OF THE RESULTS

In 2025, the Alliance of Bioversity International & CIAT supported Village Link Company Ltd in scaling from 4 to 10 Digital Climate Advisory Services (DCAS) across five regions of Myanmar via the Htwet Toe platform, reaching 139,000 farmers. By integrating improved localized forecasts, decision-tree tools, and finance-linked training, the initiative further extended climate-informed decision-making. Evidence of strong user engagement and impacts, with high economic returns among monsoon rice farmers in Ayeyarwady Delta, demonstrates a viable, scalable climate service model for strengthening resilience and productivity in climate-sensitive agriculture.

HIGHLIGHTS

- **Expanded reach across regions:** Reached 139,000+ farmers across crops and aquaculture systems.
- **Diversified commodity coverage:** Advisories extended from fish, rice, and pulses (green gram and black gram) to include chili, maize, potato, pulses (pigeon pea and chickpea), and sesame.
- **High advisory engagement:** 558 climatic advisories generated, respectively, 6.1M (fish), 3.6M (rice), 1.4M (pulses), and 1.6M (other crops) user views, with strong interactions indicating active uptake.
- **Operational decision tools:** Applied decision-tree frameworks to deliver stage-specific, climate-risk advisories based on improved localized weather and climate forecasts.
- **Strong economic returns and improved farm performance:** Ayeyarwady Delta monsoon rice producers achieved +27% rice yields, generating investment returns of USD 7.49M NPV and 1:25 BCR, demonstrating scalability.
- **Capacity and finance integration:** Trained 1,085 farmers (42% women) and linked advisory use with microfinance access.

GEOGRAPHIC SCOPE: NATIONAL



COUNTRY: Myanmar

SDG TARGETS



13.1 - Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

13.2 - Integrate climate change measures into national policies, strategies, and planning.

13.3 - Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.

PRINCIPAL CGIAR IMPACT AREA(S)



Impact Area 4: Climate Adaptation and Mitigation

CONTRIBUTING EXTERNAL PARTNERS:

- Village Link Company Limited
- WorldFish
- Weather Impact
- Micro-Finance Institutions: Vision Fund, LOLC Myanmar Microfinance, and Maha Microfinance

ELABORATION OF OUTCOME/IMPACT STATEMENT

In 2025, leveraging the successful DeRISK Southeast Asia project and CGIAR Asian Mega Deltas (AMD) Initiative, the Alliance of Bioversity International & CIAT continued its partnership with Village Link Company Limited under CGIAR's Scaling for Impact (S4I) program. The partnership expanded Digital Climate Advisory Services (DCAS) across Myanmar through Village Link's Htwet Toe (HT) mobile app and social media platforms [1,2]. By integrating localized weather forecasts from Weather Impact, a Dutch company, with crop-specific and aquaculture advisories co-developed with WorldFish, DCAS delivered actionable, time-sensitive recommendations aligned with production stages and emerging climate risks, enabling farmers to make informed, anticipatory management decisions [1].

In 2025, Village Link enhanced its climate advisory based on weather and climate forecasts from Weather Impact, and significantly extended its reach across diverse agro-ecological zones, expanding its DCAS from Ayeyarwady (AWD), Yangon (GGN), and Bago to the Dry Zone (Magway and Mandalay) and Shan Region, also covering additional commodities such as chili, maize, potato, pulses (pigeon pea and chickpea), and sesame [3]. In total, 139,000+ unique crop and fish farmers accessed the service across five regions [3].

Engagement metrics demonstrate active DCAS use rather than passive subscription: 262 aqua-climatic advisories generated over 6.1 million views and 267,064 engagements, reaching 50,827 fish farmers; for both monsoon and summer rice, 140 advisories reached 81,880 farmers, generating nearly 3.6M views and 196,490 interactive engagements, in addition to 1M+ views of climate-resilient technical videos; 65 pulse advisories reached 122,200 farmers and generated almost 1.4M views and 68,000+ engagements; 91 other crop advisories reached an additional 57,000 farmers in Magway, Mandalay, and Shan, and generated 1.6M views and 90,964 engagements. Many farmers operating diversified systems access multiple advisories, deepening their exposure to climate-informed guidance [3]. Advisories were structured using Crop and Aquaculture Decision Trees, tailored to location, season, and forecasted risks, translating climate data into practical actions [4,5,6].

For example, rice advisories addressed iron toxicity following monsoon flooding in the Delta, while aquaculture advisories supported responses to oxygen depletion, embankment damage, and water quality fluctuations during heavy rainfall events. This stage-specific approach strengthened farmers' capacity to anticipate and reduce climate-related losses.

Adoption was reinforced through integrated digital literacy and finance-linked trainings delivered with Maha Microfinance across 18 townships between January and September 2025, reaching 1,085 borrowers, including 459 women [3]. Training combined climate-smart practices, digital skills, and financial planning to improve advisory uptake. A further 253 farmers were onboarded onto HT between October and December 2025 [3]. Partnerships with microfinance institutions aligned climate-informed decisions with credit access, strengthening implementation capacity [1,3].

A study of 480 monsoon rice farmers in the Ayeyarwady Region evidences that DCAS—delivered through Village Link's HT application—enhances climate resilience and farm performance. Farmers using the app (240 treatment farmers) increased yields (27%), partly through reduced losses from implementing DCAS recommendations via the HT application. The economic analysis confirms strong returns for 2018–2024: the HT app generated a positive Net Present Value (USD 7.49 million) and a Benefit–Cost Ratio of 1:25. Overall, the findings demonstrate that digitally delivered climate advisories are economically viable and effective in strengthening adaptive capacity among rice farmers, particularly when combined with access to credit and timely, locally relevant information [7].



Village Link. Rice farmer in Myanmar

EVIDENCE

1. Public-private partnership delivers climate advisory to 26,064 crop and fish farmers in Myanmar - available [here](#)
2. Htwet Top application of Village Link - available [here](#)
3. Summary of key results from Digital Climate Advisory Services (DCAS) scaling through private actor (Village Link Company Limited) in Myanmar in 2025. private
4. Kim, K.H.; Barlis, A.; Palao, K; Mienmany, B.; Imbach, P.; Swaans C. (2022) Development of crop decision trees. DeRISK SE Asia Info Note. Hanoi (Vietnam): DeRISK SE Asia. 8 p. available [here](#)
5. Crop Decision Tree (CDT). private
6. Aquaculture Decision Tree (ADT). private
7. Adoption and Cost-Effectiveness of Digital Climate Advisory Services among Smallholder Rice Farming in Myanmar. private

OTHER NOTABLE REFERENCES, PROMOTIONAL PRODUCTS AND COMMUNICATION MATERIALS

- Htwet Toe web page [here](#)
- Htwet Toe official Facebook page [here](#)



Village Link. Farmers Feeding Fish in Myanmar

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The Alliance is part of CGIAR, a global research partnership for a food-secure future.



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