



Philippines, South Korea launch AI-Powered agriculture data platform to modernize farm support

22 July 2026 | News

New digital ecosystem integrates agricultural data, accelerates farmer assistance and strengthens supply chain monitoring through real-time analytics



The Philippines has launched a centralized digital agriculture platform developed in collaboration with South Korea, marking a significant step toward modernizing agricultural governance through real-time data integration and artificial intelligence.

The Agriculture-Based Central Data Ecosystem (AbCDE) Platform was introduced by the Philippine Department of Agriculture with support from South Korea's Ministry of Agriculture, Food and Rural Affairs and the Korea Agency of Education, Promotion and Information Service in Food, Agriculture, Forestry and Fisheries. The initiative is designed to consolidate fragmented agricultural information into a unified digital system that improves policy implementation, program delivery and food supply management.

The platform enables government agencies to access real-time agricultural data through a single interface, replacing multiple disconnected databases that previously operated independently. Officials said the integrated system is expected to improve coordination among national and regional offices while enabling faster and more informed decisions on agricultural planning, resource allocation and food security.

According to the Department of Agriculture, the digital platform has already delivered measurable operational improvements. The rollout time for new agricultural support programs has been reduced by approximately 80%, shortening implementation from 26 days to just five days. The faster processing is expected to accelerate the delivery of seeds, fertilizers, financial assistance and other government interventions to farmers.

Artificial intelligence forms a core component of the platform, helping verify beneficiary records, eliminate duplicate entries and improve transparency in the distribution of agricultural assistance. The technology also enhances supply chain monitoring by providing policymakers with timely insights into production trends and market conditions that can support efforts to stabilize food prices.

Agriculture Secretary Francisco P. Tiu Laurel Jr. described the initiative as a major milestone in the country's digital transformation, noting that the sector has long relied on isolated digital systems that limited coordination and efficiency. He said the new platform establishes a unified foundation for data-driven governance across the agricultural sector.

Beyond technology deployment, the partnership highlights growing cooperation between the Philippines and South Korea in digital agriculture. South Korea contributed technical expertise and institutional support to help develop the platform, reflecting broader efforts to promote smart agriculture and digital innovation across the region.

Government officials believe the integrated ecosystem will strengthen collaboration among agencies involved in agricultural development while improving responsiveness to farmers' needs. By combining centralized data management with AI-powered analytics, the platform is expected to support more resilient food systems, improve public service delivery and enhance long-term agricultural productivity.