



CapSha supports the systems and partnerships that help agricultural knowledge move from research into practice.
Credit: 2023 / WorldFish

Accelerator brief

The challenge

Agricultural research generates solutions that can transform food systems, but knowledge rarely travels fast enough or far enough to make a difference at scale. Gaps in skills and institutional capacity mean that proven innovations stall before they reach the farmers and communities that need them most.

Our goal

To strengthen the infrastructure that helps CGIAR and its partners develop and share knowledge more effectively. We connect organizations that have expertise with those that need it, and broker peer-to-peer collaboration among partners, so that the whole system learns faster and works better together.

Geography

- Global



Targeted impact areas



Climate adaptation and mitigation



Poverty reduction, livelihoods and jobs



Environmental health and biodiversity



Nutrition, health and food security



Gender equality, youth and social inclusion

2025 budget

Window 1 and 2

USD\$ million

2.2

Window 3 and bilateral

USD\$ million

1.3

Key result story

Empowering Rwandan researchers with Ethiopian expertise

Rwanda's agricultural sector supports around 70 percent of the population, but productivity has been constrained by fertilizer recommendations that overlook the country's diverse soils and farming conditions. We brokered a collaboration linking Rwanda's agricultural research institute with Ethiopia's Institute of Agricultural Research, CGIAR centers and the Rwanda Space Agency. A workshop in Kigali brought partners together and launched hands-on training for 36 Rwandan researchers in data analysis and geospatial modeling. The partnership generated Rwanda's first machine learning-based fertilizer maps for beans — a scalable model for more efficient, evidence-based fertilizer use and stronger country-led agricultural innovation.

[Read the full story](#)

2025 highlights

- We completed the first system-wide analysis of capacity development practices across CGIAR, establishing common definitions and approaches, and published evaluation findings drawing on feedback from nearly 2,000 participants across multiple capacity development modalities.
- Applied research on training models in the Philippines, Kenya and through the Africa Climate Mobility Academy generated practical evidence on what works in different contexts.
- The Collaborative Breeding Leadership Program equipped African scientists with technical and leadership skills through integrated training and placements.
- CGIAR expertise contributed to shaping the AU-NEPAD CAADP framework for agricultural research and education for 2026 to 2035, and informed the AU Cairo Agenda on Agricultural Research, Extension and Education.
- A digital Marketplace connecting capacity development supply and demand across CGIAR and partner institutions launched its first prototype, developed through consultation across 16 countries.
- We enabled advanced technical training for a cohort of African scientists through new partnerships with Chinese institutions, laying the groundwork for longer-term Africa-China research collaboration.

“After a successful first year, CapSha is moving to scale, embedding capacity sharing across CGIAR and partners so scientific investments translate into stronger institutions and lasting outcomes.

Charles Kleinermann, Accelerator Leader

Find out more about [Capacity Sharing](#) and read our full [2025 technical report](#).