



**KGID**  
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SEJONG

# Leveraging Soil Information System for Input Subsidy Reforms and Soil Health in Africa

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# Outline













1. World Bank Group's Impact Programs
2. Project on the Soil Information System
3. K-Partnerships

# World Bank Group **Academy** Mandate

A new World Bank Group Academy will be launched to *elevate capacity development as a core service to clients*, alongside analytics and financing. The Academy will deliver to clients, in locations across the world, *cutting edge knowledge that addresses both persistent and emerging challenges* such as climate finance, measuring poverty, and improving public spending, among other topics. It will serve as *a premier global learning hub* to professionalize capacity development with its own distinct branding. It will offer a *one-stop-shop for professional support services*, including pedagogy, administration, delivery platforms and evaluations.

“The Knowledge Compact for Action: Transforming Ideas into Development Impact,” April 2024.

# World Bank Group's Impact Programs

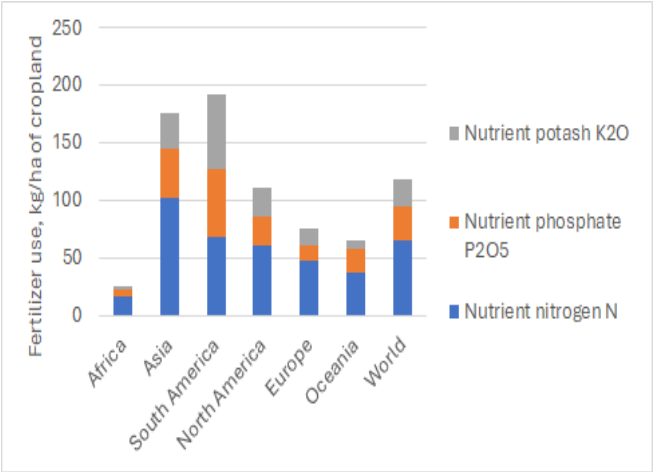
			
<b>Creating Jobs for the Poor</b> Scaling-up economic inclusion programs aimed to create jobs and build pathways out of poverty.	<b>Unlocking the Potential of Active Debt Management</b> Enhancing external oversight of debt management policies, decisions, and operations.	<b>Accelerating Urban E-Mobility Solutions</b> Improving access to sustainable transport infrastructure and services.	<b>Insuring Against Disaster Risk</b> Increasing financial resilience of countries to climate shocks and disasters.
			
<b>Scaling Next Generation Rice</b> Making rice more sustainable, resilient and productive.	<b>Defying Drought (D2)</b> Catalyzing the scale-up and adoption of drought resilience building measures.	<b>Powering Sustainable Energy Utilities</b> Improving access to affordable, reliable, sustainable, and modern energy.	<b>Sustaining Health Financing</b> Enhancing the design and implementation of health system reforms.
			
<b>Creating More &amp; Better Jobs through Local Value Chains</b> Enabling growth and job creation by strengthening value chains.	<b>Mobilizing Domestic Revenues</b> Strengthening fiscal stability through effective tax reforms and revenue strategies.	<b>Livable Landscapes</b> Reversing land degradation and restoring healthy landscapes.	<b>Repurposing Agricultural Support for Soil Health</b> Helping countries improve fertilizer policies to enhance soil health, jobs, and productivity.

1. **Repurposing Agricultural Support for Soil Health**
2. Insuring Against Disaster Risk
3. Implementing Debt Management Strategies
4. Accelerating E-mobility
5. Creating Jobs for the Poor
6. Defying Drought
7. Powering Sustainable Energy Utilities
8. Livable Landscapes
9. Scaling NextGen Rice
10. Sustaining Health Financing
11. Domestic Revenue Mobilization
12. Value Chains for Jobs

<https://academy.worldbank.org/en/our-programs/by-theme>

# Impact Program “Repurposing of Ag Support for Soil Health”

**Low use of fertilizers** persists in Africa region, undermining food security and nutrition in the short (cost of food and jobs) and the long run (soil health)



Source: FAOSTAT.

**2024 Africa Fertilizer and Soil Health Declaration and Action Plan** provide the Framework for Action



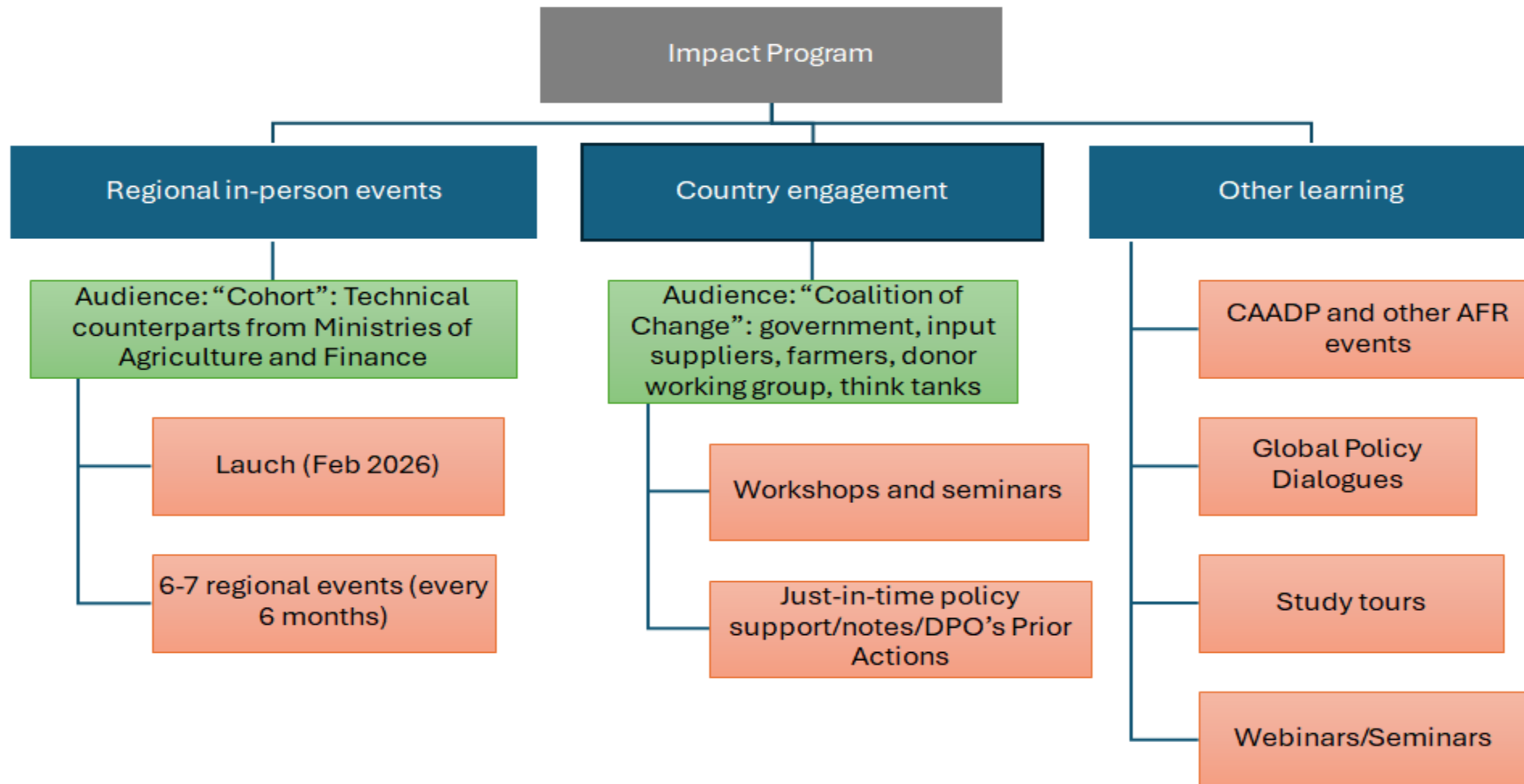
**World Bank Group** is scaling up support for food system transformation (**AgriConnect**)



# WHAT is this Impact Program about?

- **The objective** is to facilitate practical peer-to-peer knowledge and experience sharing that has shown impact among World Bank Group's clients **in order to** advance changes in input subsidy programs to enhance food security and soil health
- **Cohort countries** - Ghana, Kenya, Malawi, Senegal, Tanzania, and Zambia
- **Target audience** - Ministries of Agriculture, Finance, and other relevant public institutions
- Focus on **tested and scalable best practices** in technology, management, and policy to support the journey of reorienting of agricultural support for food system transformation.

# HOW is Learning being Delivered?



# Best Practices for Design of Input Support Programs



## 1. E-Vouchers

Using E-vouchers to improve farmers' access to a wide range of **inputs**, link with **private sector**, and enhance **crop diversification**

## 2. Targeting

Improving the impact of input subsidy programs through better **targeting** underpinned by **digital farm registries** and **safety nets** for vulnerable subsistence farmers

## 3. Precision Input Use

Increasing input supply response and reducing production costs through cost-efficient **soil testing** and fertilizer use recommendation (soil information system)

## 4. Crowding in Private Sector

Strengthening the role of **private sector** in production, blending, importation, and distribution of inputs

## 5. Acid and Degraded Soils

Addressing **acid and degraded soils** through tailored input mix and interventions for enhancing soil health

## 6. Access to Finance

Enhancing an **access to finance** for inputs, input credit system, partial credit guarantees, insurance, and fiscal risk management

# KGTF-Supported Project “Leveraging Soil Information System to Reform Fertilizer Subsidies in Africa”

*How to move from blanket to site-specific fertilizer use recommendations*  
*+ How to heal degraded soils?*

1. Take stock on the status of Soil Information Systems in the targeted countries (Kenya, Malawi, Tanzania, Zambia)
2. Provide technical assistance to improve SIS through peer-to-peer knowledge and experience sharing
3. Bring an external knowledge on best practices (e.g., Korea)
4. Generate materials to guide public investments in effective SIS, including through the World Bank projects.

# Implementation Progress

- The project launched in January 2026
- The closing date is December 2027
- Target audience – the staff of public institutions working on SIS
- Implementation supported by two AFR partners:
  - Centre for Coordination of Agricultural Research and Development for Southern Africa (CCARDESA), Botswana
  - International Center for Research on Agroforestry (ICRAF), Kenya



# K-Partner: Rural Development Administration (RDA)



**Conservation of agricultural environment and establishment of nationwide basis for safe crop production**

Providing useful information through the Internet so that farmers, policymakers, researchers, and the general public can easily use it



- Soil and environment
- 토양과 농업환경 (Soil and agricultural environment)
- Web-based GIS Map Service
- 토양환경지도 (Soil environment map)
- Fertilizer Recommendation
- 시비처방 (Fertilizer prescription)
- Statistics (Soil and agricultural environment)
- 통계자료 (Statistics)

**Thank You!**

**감사합니다**