

SECTION 1: At a glance

Short outcome/impact statement

Ghana has operationalised an Early Warning and Rapid Response System for Pests and Diseases (EWRRS-PD) to protect farmers against pests and diseases which cost over USD 1 Billion [1] in yield losses and management costs. After eleven public and private sector organisations validated the framework and signed a Memorandum of Understanding towards its operationalisation, its functional units have been developed with terms of Reference. An EWRRS-PD portal was developed on the Ag-Innovation Data Hub to further consolidate its operationalisation.

Geographic location



Scope: Sub-national, National, Regional, Global

Country(ies): Ghana

Region(s): Central Asia; Australia and New Zealand

General Information



OICR code 3517



Status Completed



Tag as New OICR



Report year 2024



Cluster lead



Lead contact personGhislain Tepa-Yotto



Level of maturity

Level 1 - Discourse/behavior changes (sphere of influence)

Other Clusters contributing

- Zambia
- Theme 2

Key contributors

Category	Name	Туре	Headquarter
CG Centers/Managing partners	(CGIAR IITA) International Institute of Tropical Agriculture	Institute	Not available
External partners	GMet - Ghana Meteorological Agency	Government	Ghana
External partners	CSIR - Council for Scientific and Industrial Research (Ghana)	National/local research Institution	Ghana
External partners	BNARI - Biotechnology and Nuclear Agricultural Research Institute	National/local research Institution	Ghana
External partners	MoFA - Ministry of Food and Agriculture (Ghana)	Government	Ghana
External partners	CSIR-SARI - Council for Scientific and Industrial Research - Savanna Agricultural Research Institute	National/local research Institution	Ghana
External partners	UDS - University for Development Studies	University	Ghana
External partners	Farmerline Ghana - Farmerline Ltd.	Private company (other than financial)	Ghana
External partners	CSIR-CRI - CSIR-Crops Research Institute	National/local research Institution	Ghana

Note: These are the partners who have significantly contributed to the reported outcome or impact.

SECTION 2: The story and impact

Elaboration of outcome/impact statement

In Ghana, pests and diseases cause food and agriculture-related losses valued at USD 1 billion every year, impacting the economy and the livelihoods of smallholder farmers. In response, the Plant Protection and Regulatory Services Directorate, of Ghana's Ministry of Food and Agriculture (PPRSD), mandated to manage crop pests and diseases, sought support from the CGIAR to upgrade Ghana's emergency response plan to pests and diseases. The previous plan targeted only pests from imported commodities and lacked a comprehensive stakeholder support. <a href="https://doi.org/10.11/10/10/21-11/21

CGIAR innovation(s) or findings that have resulted in this outcome or impact:

AICCRA's Climate Smart Integrated Pest Management (CS-IPM) AICCRA Supported Ag-Innovation Data Hub

Innovations

IIIIOVALIA				
Code	Title	PDF		
1625	Early Warning and Rapid Response System for Pests and Diseases (EWRRS-PD)	Link to pdf		
1613	Climate Risk Management in Agricultural Extension (CRMAE) curriculum and approach builds foundational knowledge and skills for extension workers to help farmers better plan for, manage, and respond to climate risk			

Link to performance indicators

- (2024-2025) PDO Indicator 5: Beneficiaries with enhanced resilience to climate risks
- (2024-2025) PDO Indicator 1: Partners and stakeholders in the Project area increasingly accessing enhanced climate information services and/or validated climate-smart agriculture indicators

SECTION 3: Evidence and communications

Evidence and reference

	Code Title	PDF
454	Sample Handlebars PDF	Link to pdf
455	Sample Handlebars PDF 2	Link to pdf



Quantification

Туре	Number	Unit	Comments
Type 1	1	Unit	Not specified
Type 2	2	Unit	Not specified

Communications

Communications materials relating to this outcome:

- https://tinyurl.com/yrt4apsm
- https://cabiagbio.biomedcentral.com/articles/10.1186/s43170-021-00038-7
- https://tinyurl.com/ysd96qt2https://tinyurl.com/yna7jacx

Acknowledgments:

Name	Position	Affiliation
Name 1	Position 1	Affiliation 1
Name 2	Position 2	Affiliation 2

SECTION 4: Alignment with other initiatives

Cross-cutting markers









1 - Significant

0 - Not Targeted

1 - Significant

0 = Not tageted: The result did not target any of the Impact Area objectives.

1 = Significant The result has made a significant contribution to any of the Impact Area objectives, even though the objective(s) is not the principal focus of the result.

2 = Principal: The result is principally about meeting any of the Impact Area objectives, and this is fundamental in its design and expected results. The result would not have been undertaken without this objectives, and this is fundamental in its design and expected results. The result would not have been undertaken without this objectives.

Other cross-cutting dimensions Not Required, Other cross-cutting dimensions

Alliance alignment

Link to levers and strategic lever outcomes:

- Primary Lever 1: Food Environment and Consumer Behavior
 - Strategic Lever Outcomes:
 - National and international bodies promote more sustainably sourced, healthy food options.
- Market actors increase equity and inclusion of women and youth in priority urban food environments.
 Lever 2: Multifunctional Landscapes
- Lever 3: Sustainable Food Systems

Contribution to SDG:



- 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day
- 2.2 By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons
- 12.1 Implement the 10-Year Framework of Programmes on Sustainable Consumption and Production Patterns, all countries taking action, with developed countries taking the lead, taking into account the development and capabilities of developing countries
- 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day
 2.2 By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent

One CGIAR alignment

Link to Impact Areas and Global Targets:



Impact area 4: Climate adaptation and mitigation

