

M&E for Increased Impact – A Digital Solution for Enhancing Women’s Access to Agricultural Information and Extension Services

Seeds of change conference
Canberra

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CARE's Pathways program ToC

CARE PATHWAYS THEORY OF CHANGE

More Secure and Resilient Livelihoods

Food and Nutrition Security, Coping and Adapting Ability

Productivity and Profitability ↔ **Equity** ↔ **Empowerment**

1 Capacity

CHANGE LEVER

Knowledge, skills and relationships
Self-confidence and conviction of power

2 Access

CHANGE LEVER

Access to productive resources, assets and markets
appropriate and reliable services and input

3 Productivity

CHANGE LEVER

Improved yields and income through the adoption of sustainable agriculture and value addition

4 Household Influence

CHANGE LEVER

Contribution to and influence over income and decision-making

Enabling Environment

More positive and enabling attitudes, behaviors, social norms, policies and institutions

CHANGE LEVER **5**

Participatory Performance Tracker (PPT) Tool

What?	<ul style="list-style-type: none">• Participatory group performance monitoring tool to track:<ol style="list-style-type: none">1> <u>Individual member adoption of key behaviors</u> / actions promoted through the project2> <u>Group cohesion and performance</u> as promoted through the project
Why?	<ul style="list-style-type: none">• To <u>streamline data collection</u> from large #s of groups/beneficiaries• To <u>strengthen program results</u> through beneficiary participation, reflection and social support / pressure
When?	Every six months
Who?	Group members with support from group leaders and field facilitators / coordinators
How?	Organize meeting with the group to conduct the tool, facilitate dialogue around adoption, capture data on individual and group performance



**Producer Group
No. 1**

**Producer Group
No. 1000**



Digital solution



Workflow overview



Workflow overview



- Data sent to the cloud server
- Easy accessibility of data
- Aggregated farmer level data on excel format

Name	Preview	Edit	Download	Delete
Activity Tracking - Group activity_group_record	HTML Preview	Edit	Download	Delete
Activity Tracking - Farmer activity_record	HTML Preview	Edit	Download	Delete
Individual PPT Export - " Paddy " - PPT 2 - Post-Mapping (March 2014) farmer_record	HTML Preview	Edit	Download	Delete
Individual PPT Export - " Paddy " - PPT 1 - Post-Mapping (March 2014) farmer_record	HTML Preview	Edit	Download	Delete
[For Bulk Closing Only] farmer_record cases for bulk closing farmer_record	HTML Preview	Edit	Download	Delete
Individual PPT Export - " Maize " - PPT 2 - Post-Mapping (March 2014) farmer_record	HTML Preview	Edit	Download	Delete
Individual PPT Export - " Maize " - PPT 1 - Post-Mapping (March 2014) farmer_record	HTML Preview	Edit	Download	Delete
* Master List of Farmer Record Cases for Mapping * farmer_record	HTML Preview	Edit	Download	Delete
[For Bulk Closing Only] group_ppt cases for bulk closing group_ppt	HTML Preview	Edit	Download	Delete

	A	F	G	H	I	L	M	N	O	P	Q	R	
#	crop_id	ppt_year	group_name	farmer_name	gender	farmer_social_category	ppti_swm_deep_ploughing	ppti_swm_bund_repairing	ppti_swm_manuer	ppti_dis_variety	ppti_swm_leveling		
1													
3	1	Paddy	2013	Priyadarshani	HITME MAJHI	F	ST	Y	Y	Y	Y	N	Y
4	2	Paddy	2013	Parbati	SANJUKTA NAYAK	F	ST	Y	Y	Y	Y	N	Y
5	3	Paddy	2013	Maa Santoshi MSS	JANAKI PATRA	F	ST	N	Y	Y	Y	N	Y
6	4	Paddy	2013	KASTURBA	KANCHAN PRADHAN	F	ST	N	Y	Y	Y	N	Y
8	6	Paddy	2013	JAGADAMBA	KANAKA MAJHI	F	ST	N	Y	Y	Y	N	Y
9	7	Paddy	2013	Bastab	NILADRI NAYAK	F	SC	N	N	N	N	N	N
10	8	Paddy	2013	Sabetrisatya Bhanga	TULABATI MAJHI	F	ST	N	Y	Y	N	Y	N
11	9	Paddy	2013	OM SHANTI	LALITA KARA	F	SC	N	N	N	N	N	N
12	10	Paddy	2013	Patamahadei Narisanga	JEMA MAJHI	F	ST	N	Y	Y	Y	N	Y
14	12	Paddy	2013	UDAYA/YOTI	JHULITA KANHAR	F	ST	N	Y	Y	Y	N	Y
15	13	Paddy	2013	JAGANNATH	SUBASHI SABAR	F	ST	Y	Y	Y	Y	N	Y
16	14	Paddy	2013	DAKARA	PHULA PRADHAN	F	ST	N	Y	Y	Y	N	Y
17	15	Paddy	2013	MAA SARASWATI	SUREKHA KHAMARI	F	SC	N	Y	N	N	N	Y
18	16	Paddy	2013	Patadei MSS	CHAMPA BAG	F	SC	N	Y	Y	Y	N	Y
19	17	Dabhu	2013	Manini	DRIVARATI DRADWAN	F	ST	N	Y	Y	Y	N	Y

Spraying organic pesticides

Recommendation: Use locally available ingredients such as neem leaves, karanj, calotropis, cow dung, and cow urine. Mix all the ingredients and leave for 6 -7 days for fermentation. Dilute this extract with water and spray on crop. Use this mix at an interval of 15 days to avoid pest attack.

Advantage: This acts as a preventive measure. The mix (organic pesticide) emits the smell which avoids pests to get attracted resulting in less pest infestation.

Disadvantage if not practiced: Probability of pest attack will be more; infected plants will lead to crop damage and low yield.





Benefits of mobile technology

Benefits of the Mobile Application Developed

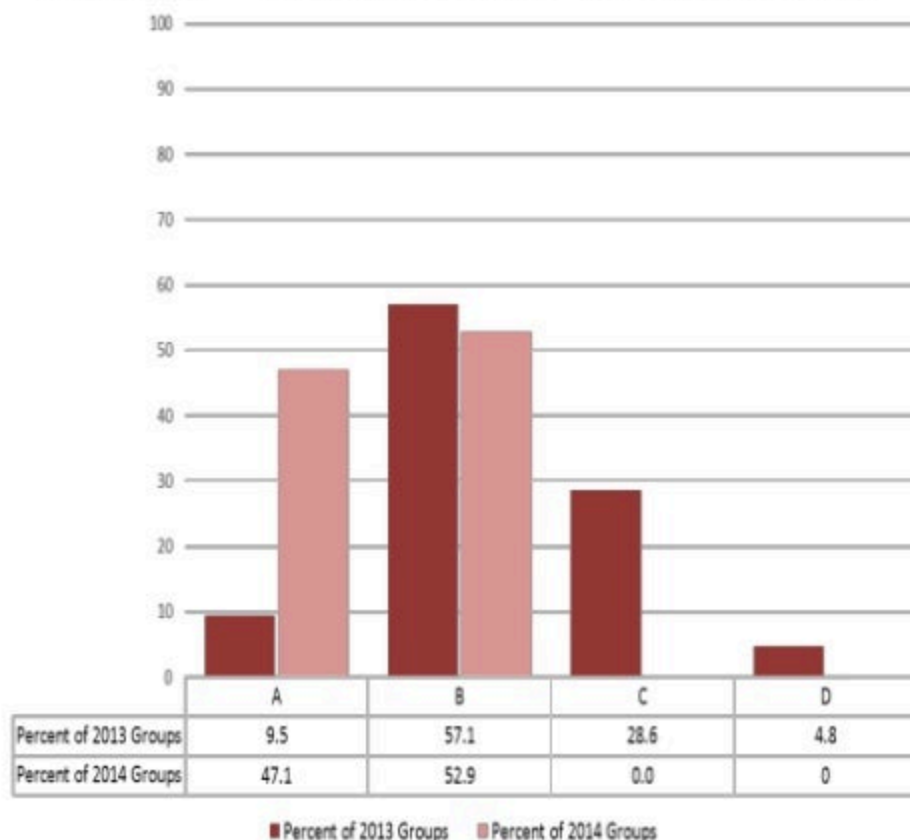
Digitization of PPT and Group PPT	PPT and Group PPT forms were digitized to enable collection of data in real time
Data Integrity and Quality Checks	Data completeness and validity were enforced for each data point via look up tables, required questions, validation logics and logic based on previous answers. Users may save incomplete forms to their devices for later update, but may not submit incomplete/inaccurate forms to the server
Real time review	Supervisors did not have to wait for paper based forms to be turned in by FLS to review accuracy and completeness of information. Forms submitted are immediately available to the M&E managers and district supervisors for review.

What did the digitized PPT enable?

Categorization

- A** Group maturity score of > 75
- B** Group maturity score of 50 – 74
- C** Group maturity score of 25 – 49
- D** Group maturity score of 0 – 24

Ghana – Groundnuts Value Chain



Lessons learned

- Robust trainings are an effective method to prepare staff who lack the skills needed for successful implementation of the application.
- Demonstrating the system, with real world challenges and solutions builds staff capacity significantly.
- Due to expected turnover, it is important that a robust training plan is in place so that if key personnel leaves the organization there is still knowledge in house to address challenges. It's worth mitigating this risk by distributing knowledge across the team.



THANK YOU