



# The PROJECT



**Generation and adaption of improved agricultural technologies to mitigate climate change imposed risks to food production within vulnerable smallholder farming communities in Western Pacific countries.**

## CLOSING WORKSHOP

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A major  
Climate Change imposed stress  
on

**MURUKANAM**

Community

Bogia District, Madang Province, PNG

is

**SOIL MOISTURE DEFICIT**

# OUTLINE

- Outputs
- Results with some examples
- Lessons learnt &
- Recommendations

## **PRIORITY OUTPUTS**

1. Integrating management of chickens, fish and ducks for food and income

2. Improving Production of Rotundata yam, sweetpotato and taro.

3. Introduction of new varieties of yam, cassava, sweetpotato and taro in my farming system

4. Improving the soil of my plots to have stable and sustain food crop production

	<b>RESULTS</b>
<b>PRIORITY 1</b>	<b>Increased capacity for using integrated livestock farming practices for inland fish, ducks and chicken production and Improved capacity for using integrated goat -coconut system by selected farmers in Murukanam community</b>
<b>PRIORITY 2</b>	<b>Capacity for growing Rotundata yam, taro and sweet potato using improved and locally acceptable production practices increased in the Murukanam Community</b>
<b>PRIORITY 3</b>	<b>Capacity for growing cassava, Farmer-preferred drought tolerant sweetpotato and Taro using improved locally acceptable production practices and farmer-selected varieties increased in the Murukanam Community</b>
<b>PRIORITY 4</b>	<b>Farmers have knowledge and skills on most pertinent soil fertility constraints and their causes to address limitations on crop production.</b>

	<b>RESULTS</b>
<b>PRIORITY 1</b>	Increased capacity for using integrated livestock farming practices for inland fish, ducks and chicken production by selected farmers in Murukunam community
	Improved capacity for using integrated goat -coconut system by selected farmers
<b>No of farmers trained:</b>	<b>Male: 18</b> <b>Female: 6</b> <b>Total: 24</b>
<b>Positive Results</b>	<ul style="list-style-type: none"> <li>•Farmers have alternate source of protein source for home consumption with duck meat and egg, fresh water fish and goat.</li> <li>• Farmers have potential alternate source of income from duck meat and egg, fresh water fish and goat.</li> </ul>



	RESULT
<b>PRIORITY 2 &amp; 3</b>	Capacity for growing yam using improved and locally acceptable production practices and farmer-selected varieties Rotundata yam, taro and sweet potato increased in the Murukanam Community
<b>No of farmers trained:</b>	<b>Male: 176</b> <b>Female: 99</b> <b>Total: 275</b>
<b>Positive Results</b>	<ul style="list-style-type: none"> <li>• improved capacity for rotundata yam production using miniset sizes, plant density and staking practices .</li> <li>• potential increased production using improved cultivation practices, ie. Number of slips per planting point and planting orientation</li> <li>•Alternate crop species and varieties to that available locally</li> </ul>





	<b>RESULT</b>
<b>PRIORITY 4</b>	<b>Farmers have knowledge on soil fertility constraints and their causes to address limitations on crop production with soil analysis.</b>
<b>Positive Results</b>	<ul style="list-style-type: none"><li>• soil analysis results with known soil fertility status.</li><li>• Increased knowledge on soil fertility</li></ul>

# Lessons learnt

- \* qualitative and quantitative base line information on the community serves as a bases to measure impact of interventions.

- \* A fare needs assessment provides good guide to adaptable interventions

- \* functional & informed partnership (Timing and sustained engagement) is essential for smooth implementation

# Recommendations

- \* community to establish livelihood improvement goals.
- \* Research to fill in information gaps
- \* systematic sharing of information between agents with the business to improve livelihood.
- \* Necessary support should be given to food production for fresh market.



END OF PRESENTATION

THANK YOU

