

# PROMOTION OF SOLAR INCUBATOR, GOOD ORGANIC PRACTICES AND INTERPRENEUSHIP IN THE VILLAGE POULTRY VALUE CHAIN IN RURAL AREA OF CAMEROON.

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## INTRODUCTION

### Problem Statement:

- Non-availability of quality day old chicks,
- lack of mastery of good and sustainable farming practices,
- the high cost of feeding
- Low access to finance
- Predominance of pest and diseases
- Poor farmers organization

**Value chain affected:** Village Poultry

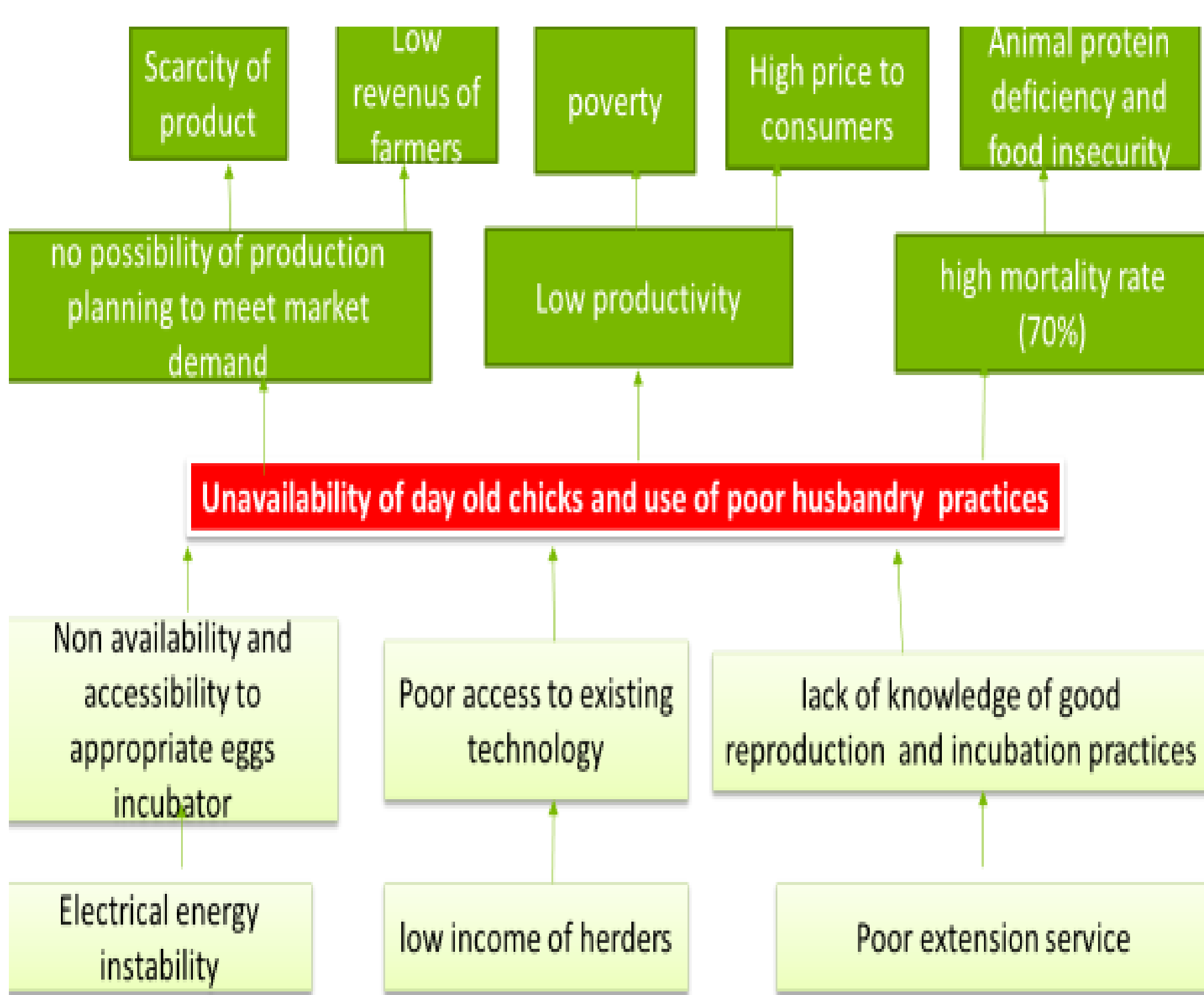
### Solution Approach:

- Introduction of solar incubator
- Training in good organic farming practices
- Training in farmer business school

### Objective(s)

- Improve the productivity and the income of smallholder village poultry farmers.
- Strengthen the technical and entrepreneurial capacities of smallholder farmers
- Improve the availability and access to good quality day-old chicks in rural areas.

## Problem tree



## POSSIBLE RISKS

- Inflation of equipment prices, will increase the cost of carrying out the project.
- To overcome this risk, we can easily resize the project.

## CURRENT PRODUCTION SYSTEM



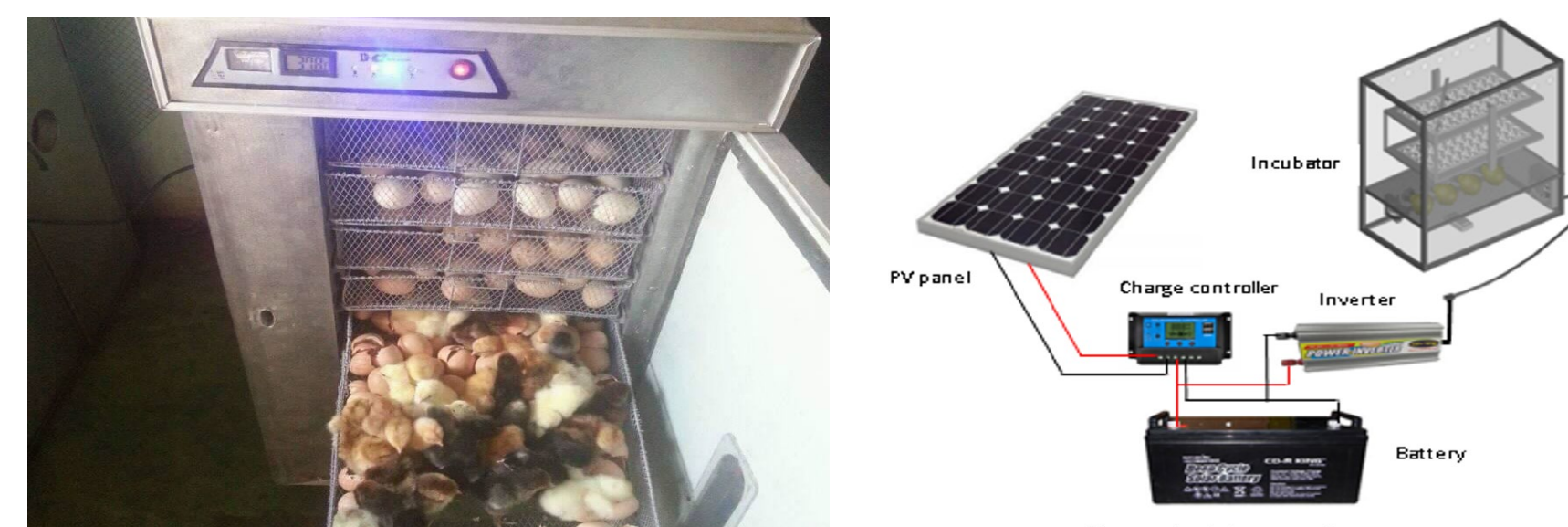
## IMPLEMENTATION STEPS (MILESTONES)/KEY TASKS

TASK NAME	M1	M2	M3	M4	M5	M6
1. Identification and development of the site for the farm school	█					
2. selection and ordering of incubators, solar panels and other equipment.	█					
5. Establishment of an activities coordination unit and training system	█					
4. Recruitment and training of an incubator manager		█				
5. Reception, installation and test of the various equipments		█				
6. Installation of 04 breeding nuclei (24 hens and 4 roosters)			█			
7. Beginning of incubation and monitoring of reproduction and incubation			█			
8. Awareness raising, identification, and selection of target farmers			█			
9. Organization of a 5-day farmer business school (FBS) training session			█			
11. Marketing of chicks				█		
12. Organization of 14 training sessions in organic rearing practices				█		
13. Monitoring the implementation of training by breeders				█		
14. Permanent training of 05 young incubator managers				█		
15. Development of a management and profitability plan				█		
16. Evaluation of the effect of the project					█	

## CONCLUSION/ HIGHLIGHTS

This project provides a sustainable global approach that can ensure a decent income for vulnerable groups in rural areas, thus contributing to the reduction of immigration and improve sustainable development.

## SUGGESTED SOLUTIONS



Solar incubator



heating box



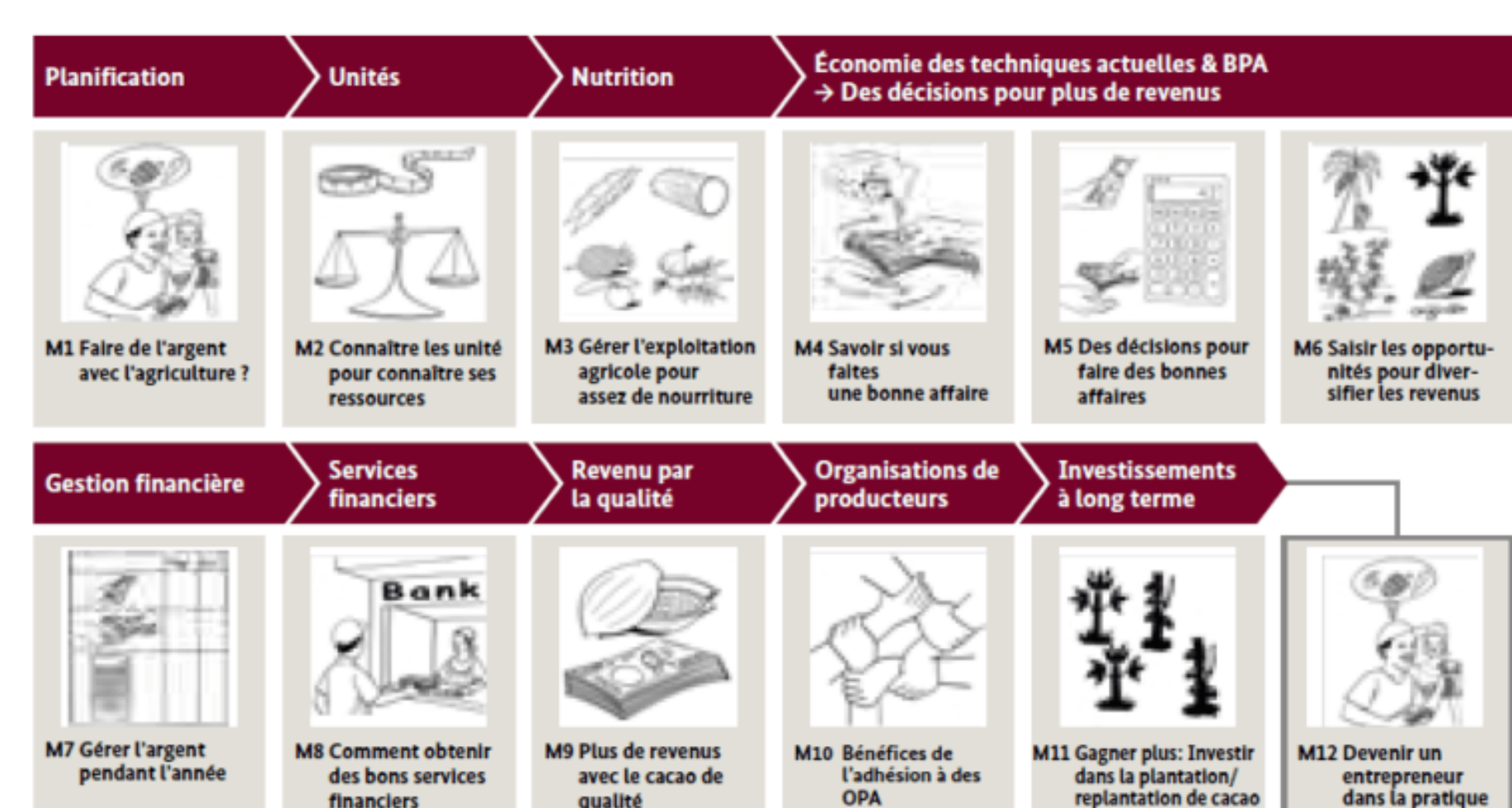
Vaccination

Maggot



Egg shell

Hydroponic fodder



Farmers business school

## EXPECTED COSTS / RESULTS

### Cost structure

- Machine and equipment: 2845 €
- Salary and per diem ; 2366 €
- training material: 440
- feeding and breeders: 449 €

**Total initial cost: 6100 €**

## Expected results

After 6 months :

- 1 model ' peasant farm school'
- 30 small producers (15 women and 15 young) train in FBS and good practice of organic farming in village chickens
- 05 young people in incubator management(rural hatcheries)
- 4250 day –old chick to be produced and used by small holders farmers

## EXPECTED OUTCOME(S)

- The production per hen will increase from **15 to 71** chicks per year .
- Income will increase from **81 to 621€** per hen per year.
- With **80 eggs** available for consumption