



Agri-Food Value Chain Upgrading Strategies Choices: A Participatory Smallholder Farmer Centred Approach

Lutengano Mwinuka¹, Khamaldin Daud Mutabazi², Frieder Graef³, Claude Maeda⁴, Bashir Makoko⁵, Elirehema Swai⁶

Introduction

Participatory situation analysis of existing food value chains (FVCs) has been done by screening and identifying most important commodity FVCs in the target Case Study Sites (CSS). This helps identifying constraints and potential food securing upgrading strategies, and linking food insecure households to the market. The upgrading strategies selected would then be adapted to the local needs of food insecure households for sustainably improve their livelihoods.

Approach and Process

Using a **highly participatory process**, key crops/sub-sectors selected with CSS stakeholders given specific criteria, FVCs have been quickly mapped in the CSS, choices of potential upgrading strategies (UPS) have been prepared and finally prioritized at the different levels from local to national scales (Figure 1).

Results

Focal Crops

- Maize and Sesame in Kilosa CSS (Ilakala and Changarawe)
- Millet and Sunflower in Chamwino CSS (Ilolo and Idifu)
- Other crops are intercropped
 - Maize (intercropped with pigeonpea)
 - Sesame (stand alone)
 - Millet, Sunflower (both intercropped with groundnuts)
- Other crops are also part of “processing, marketing and consumption” components of FVCs

UPS Choices (Table 1)

- 1) ✓ = main UPS selected
- 2) Add-ons = full UPS as add-ons due to existing demand of other stakeholders and agreement of implementing partners
- 3) Trainings = trainings limited in time and other inputs such as farmer field school trainings and others

Conclusion

UPS choices address key constraints along FVC components. Priority of the crops and livestock and their products vary across villages given potentiality of the sub-sector. However, there is no significant mismatch of UPS choices among stakeholders.

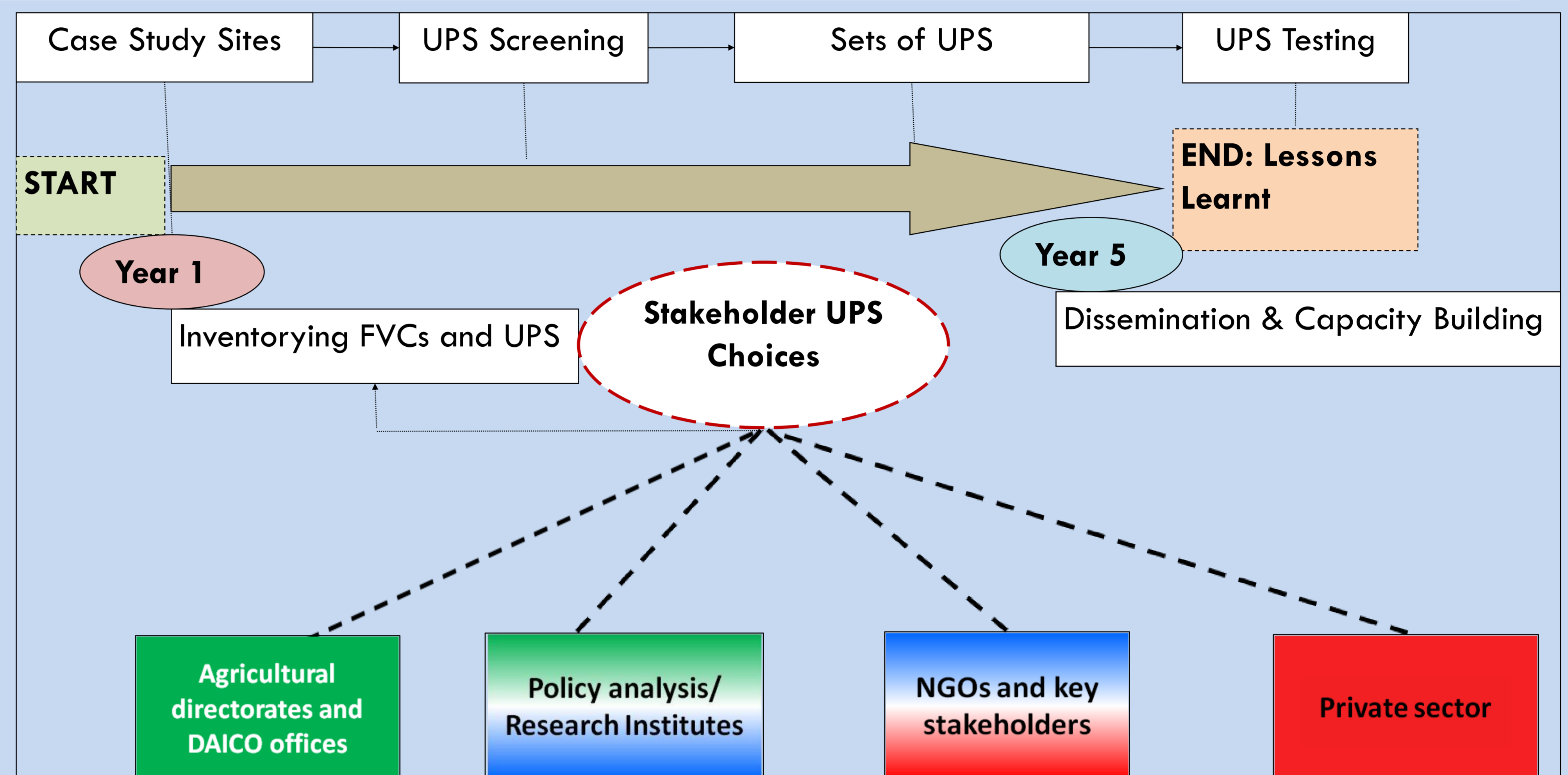


Figure 1: Upgrading strategies choices selection process

Table 1: Upgrading strategies choices

UPS	Ilakala	Changarawe	Ilolo	Idifu
1 Rainwater harvesting & Fertiliser micro-dosing & Optimised weeding	✓ (tied ridges)	✓ (tied ridges)	✓ (infiltration pits)	✓ (infiltration pits)
2 Byproducts for bioenergy	✓			
3 Improved processing	✓ (maize sheller)	✓ (maize sheller)	✓ (millet threshing)	✓ (millet threshing)
4 Improved wood supply			✓	
5 Improved stoves	✓ (training)	✓	✓ (training)	✓
6 New product development/vertical and horizontal coordination			✓ (sunflower oil pressing)	✓ (sunflower oil pressing)
7 Optimised market oriented storage	✓	✓ (training)	✓ (training)	✓ (training)
8 Poultry-crop integration		✓		
9 Market access system (m-IMAS)	✓	✓		
10 HH nutrition education & Kitchen garden training	✓	✓	✓	✓
UPS groups (total)	7	7	7	6

Suggested upgrading strategies “Biogas”, “Manure collection”, “Technologies for processing, preservation and storage” were not selected