





Utilization of Banana Pseudo-stem for Employment and Income Generation in Kakamega County, Kenya

Rodgers Oyugi, Vintage Fibers

Introduction

- > Banana is a perennial crop rich in vitamin C and B6
- \succ A staple starch food for more than 50 million people and important source of income



-	
A.	

Expense item	Costs (Euros)
Fixed Cost	
Business registration	300
and product certification	
Structure refurbishment,	700
equipment and furniture	
Machinery and	1100
installation	
Other costs	335
Total fixed cost	2.435
Variable costs	
Salaries and wages	500
Raw materials supplies	600
Office supplies	80
Utilities	500
Repairs and	200
maintenance	
Miscellaneous	100
Total variable costs	1.980
Total Costs	4.415

 \succ In addition, have a high biomass content

Problem statement

After harvesting, 80% of banana plant is disposed. Including, stem which can be an alternative to non-biodegradable plastic polymers. Further, conventional paper making method is highly polluting, and involves chemical usage. This can be replaced by banana pseudo-stem that are recyclable and biodegradable

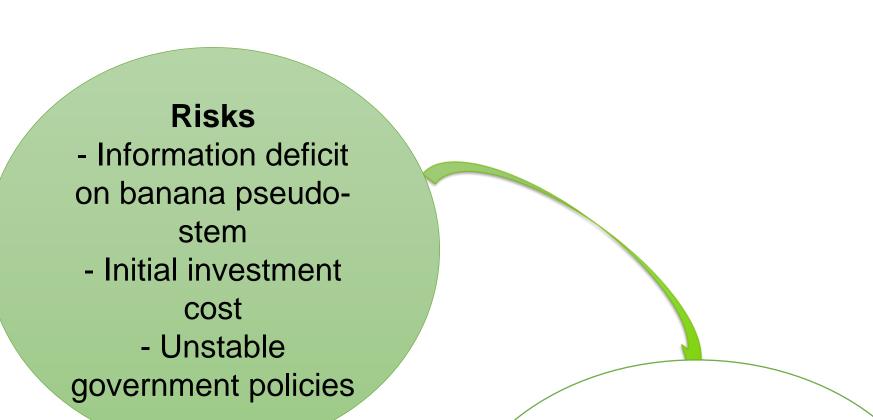
Value chain affected

Banana pseudo-stem has high fibre content. Instead of being disposed as waste, they can be utilized to increase income and employment for youth and women

Solution approach



Possible risks



Expected outcomes

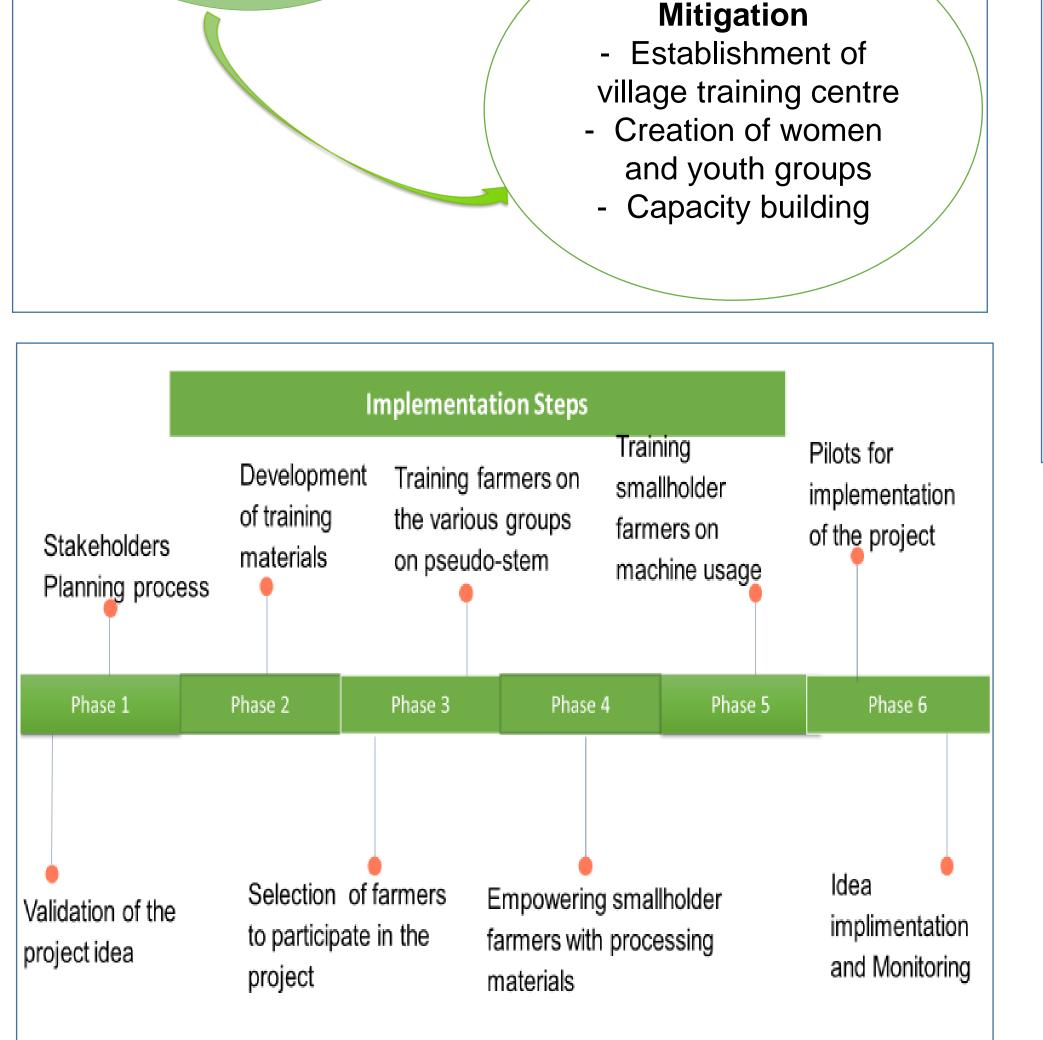
- Increase of job opportunities for women and youth
- Creation of additional revenue stream for smallholder farmers
- Income generation
- Reduce environmental pollution

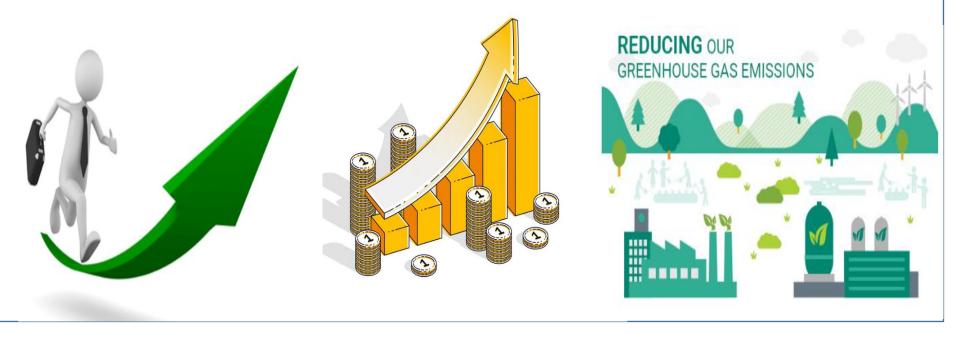
- Processing of banana pseudo-stem can provide a platform for the economic empowernment of rural youth and women
- > The enterprise would be established to develop entrepreneurial skills in processing of carrier bags and other handcraft products

Objectives

- To increase income of youth and women smallholder farmers
- To create employment opportunities for youth and women through the pseudostem processing
- To reduce greenhouse gas emission through the use of banana pseudo-stem

Problem tree

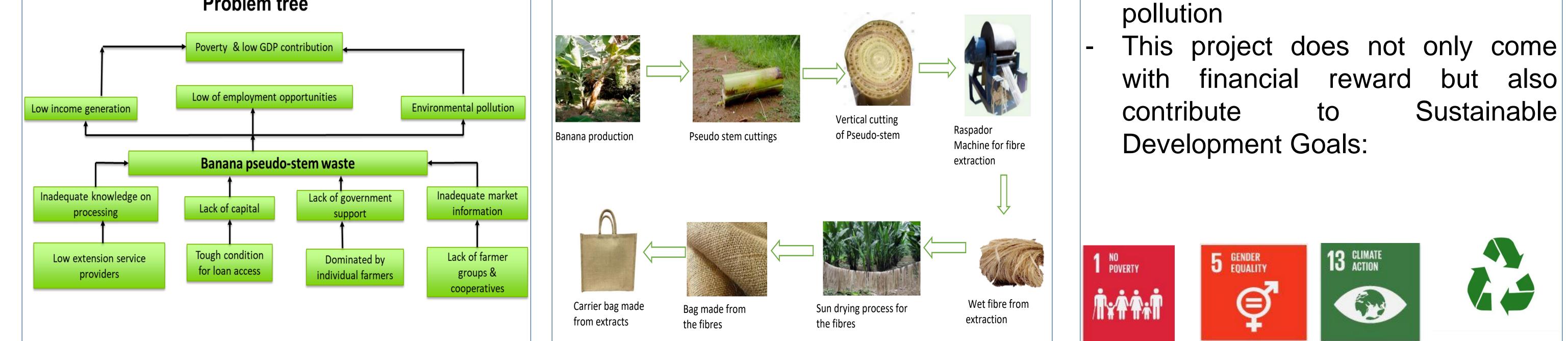




Conclusion

Utilization of banana pseudo stem bags and into carrier other handcraft products can be a profitable and sustainable business enterrprise for youth and women in rural communities

will This lead increased to livelihoods of smallholder farmers well reducing environmental as



Contact details: Rodgers Oyugi, Vintage Fibres E-mail: oyugirodgers@outlook.com Cellphone: +254 707082087