

# UPSCALING OF BIO-FORTIFIED CASSAVA PRODUCTION, PROCESSING AND UTILIZATION in OGUN STATE, NIGERIA

Funmilayo Damilola Odunuga  
Federal University of Agriculture, Abeokuta, Ogun State, Nigeria

## Introduction

- Nigeria is the leading producer of cassava as she produced 45 million metric tons which was about 19% of the total world production (FAO 2015)
- Through biotechnology, improved cassava variety fortified with vitamin A has been made to tackle vitamin A deficiency in Nigerian diets

## Problem statement

- Though a lot of products have been produced from cassava locally but only few processors have explored high quality cassava flour (HQCF) production

## Value chain affected

- The value chain of cassava has birthed a lot of products such as garri, lafun, fufu etc
- Bio-fortified high quality cassava flour (HQCF) production has not been explored in Ogun state
- HQCF is a promising substitute for wheat flour in the baking industry

## Objective(s)

- To setup a processing equipment for HQCF to encourage production
- To create market link between the small holder cassava farmers and cassava processors (both industrial and local processors)
- To create more awareness of the nutritional profile of vitamin-A cassava through value addition
- To promote the cultivation of bio-fortified cassava through rural awareness workshops



## Possible risk(s)

- Adamant behaviour of farmers to accept and adopt cultivation of bio-fortified cassava variety
- Problem of marketing
- Processing of cassava roots to HQCF without modern machines
- Adoption of bio-fortified HQCF as composite to make baked food (snacks) and bread



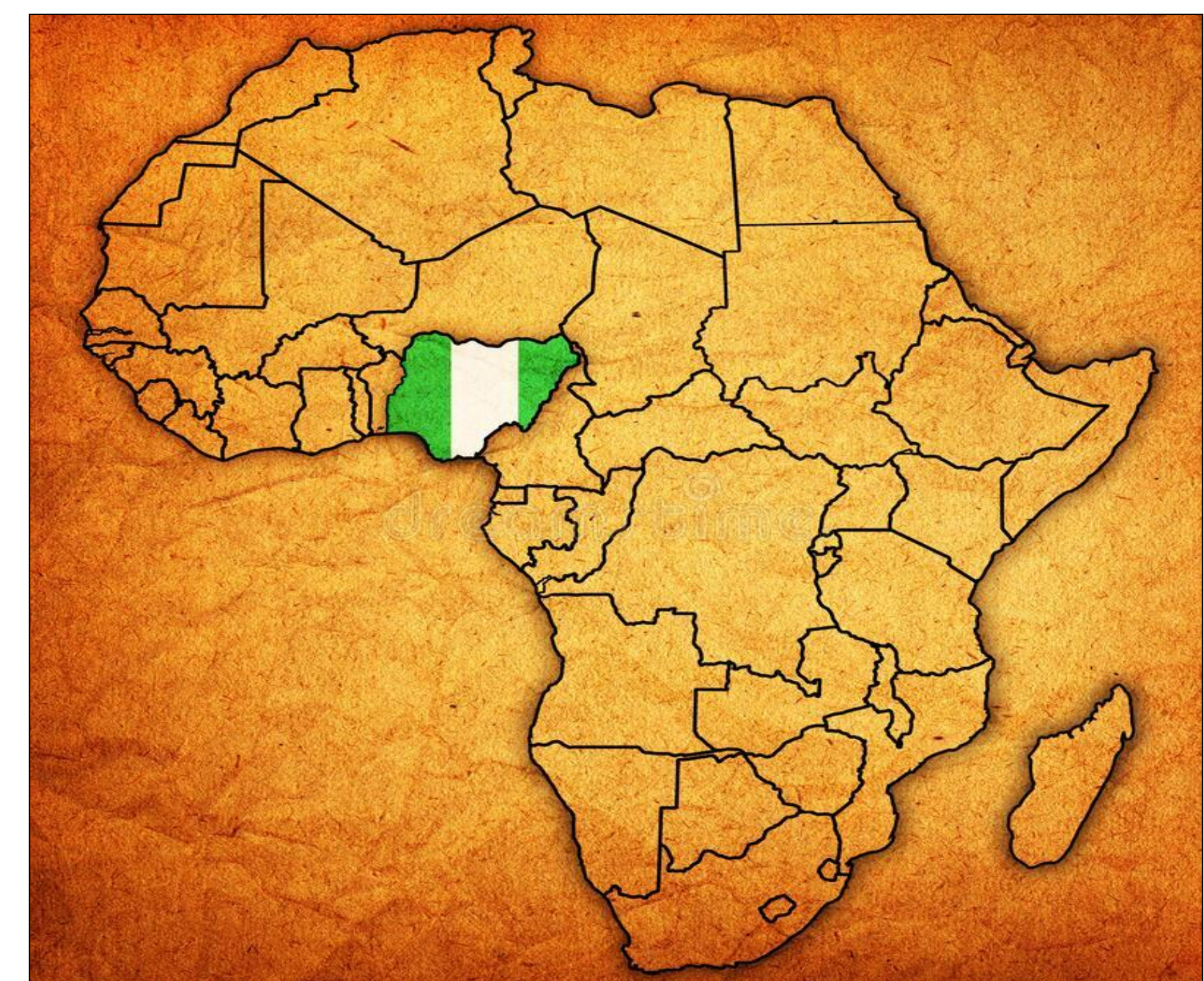
High quality cassava flour

## Implementation Steps



## Expected costs

Cost Element	Total Estimated cost (€)
Staff and External experts	512,00
Travel costs	255,00
Procurement of equipment(s)	3.852,65
Other costs/Consumables	313,00
<b>Total</b>	<b>4.932,65</b>



## Expected outcome(s)

- Adoption of bio-fortified cassava cultivation by farmers in Ogun state
- Standard processing center for bio-fortified cassava processing into high quality cassava flour
- Established linkage between smallholder bio-cassava farmers and processors
- Increased awareness amongst farmers, processors and potential consumers of the health benefit of bio-fortified cassava

