

## SEED SYSTEM DESCRIPTION

- Most of the sweetpotato breeding and agronomic research & development activities are carried out by CIP
- However, variety release is done in conjunction with Mozambique's agricultural research institute (IIAM)
- CIP does basic/breeders and foundation seed production
- Other players such as IIAM & NGOs do foundation seed production
- Identified DVMs in different provinces and districts do foundation seed multiplication
- At every seed multiplication stage, technical assistance from CIP & extension workers is offered
- Individual farmers in different districts produce own seed
- 22 drought tolerant varieties exist in Mozambique: 19 OFSP



## SCALING STRATEGY

- Under SUSTAIN Mozambique:
  - Tissue culture and thermotherapy for virus elimination and multiplication & maintenance of clean planting materials in Maputo
  - Multiplication of breeders seed in the greenhouses in Maputo
  - Foundation seed production at primary sites - Umbeluzi and Sussundenga Research Stations
  - Massive seed multiplication through 96 DVMs with minimum areas of 1500m<sup>2</sup> in 15 districts
  - Maintaining virus free, clean planting materials in the net tunnels by DVMs
  - Conservation of planting material through triple S and in wetlands during dry seasons
  - Massive distribution to targetted households
  - Demand created through value chain development

## END USERS AND BENEFITS

- Project reached **44,963** direct households with children of 0-5 years and pregnant women. Households received: 1. drought tolerant, high yielding OFSP planting material, 3. consumed storage roots after harvest, 2. OFSP nutrition messages, cooking training / demonstrations with OFSP recipes, 4. sold extra produce (storage roots).
- 125 000 Indirect beneficiaries outside the intended group

### Unintended consequences

- NGOs buying planting material directly from DVMs for their free distribution schemes in disaster affected regions of Mozambique
- High demand of OFSP from unintended targets – due to monetary rewards of growing OFSP (vine sells and storage roots) and nutrition messages received.

## LEVEL OF ADOPTION OR USE

- Households growing OFSP in Manica province increased from 25% to 54% from 2014 & 2015 respectively (CIP 2016)
- Uptake by non-target groups
- 83 % retention of OFSP varieties from 2015/16 season in Manica province by beneficiaries from targetted HHs
- 6 bakeries producing OFSP bread ( 3 in Beira corridor and 3 in Maputo)
- 1 juice, puree and biscuits processor from OFSP roots in Manica. SUSTAIN provided the Juice making machine
- Total of 50 farmers (46 women 4 men) supplying roots to these processor both in Beira corridor and Maputo province
- Volume of sales from processed products stands at \$26983 between 1 April 2016 to 31 May 2017

## CRITICAL GAPS AND NEXT STEPS

- Seed certification of all crops is at infancy stage in Mozambique
- CIP has started to develop protocols for monitoring of sweetpotato seed production and would influence government to do the same
- Long distance between breeders and seed multipliers
- Investments in agriculture like purchasing clean planting material of sweetpotato or any other seed crop is extremely low in Mozambique.
- Training of extension workers – government and other developmental agencies on better methods of multiplying sweetpotato seed
- Training of farmer groups on better methods of multiplying sweetpotato seed.

## KEY PARTNERS FOR SCALING

Key investor in this project is DFID

Implementing partners are CIP, Agencia para o desenvolvimento de Manica(ADEM), Uniao dos Camponesses (UCAM)

Mozambique national research institute: IIAM

