



Reviewing breeding Priorities

Breeding in East-Africa



Inclusive strategy

PRODUCT DESIGN MEETING (PDT)

- PDT meeting and assessment made to Maize, sorghum, chickpea, millets and Potato
- Value chain actors participated in the PDT meeting
- Potato PDT meeting (**25 participants/5 women**)
 - Public (research and seed producers)
 - Private companies (Pepsico, Solagro), seed producers Coop
 - Processors
 - CIMMYT, CIP



Product Design Team Meeting and Breeding Assessment, Ethiopia, Sept 2023.



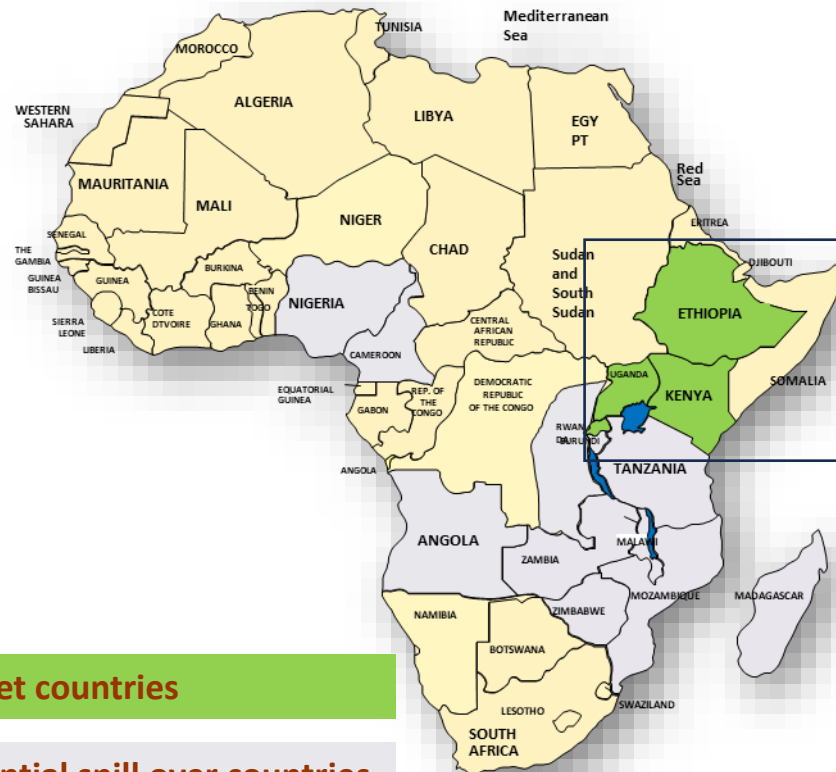
Market segmentation and Product design: Ethiopia

- Potato Ethiopia (350,000 ha)
- Outcomes of the meeting:
 - 6 Markets segments
 - 4 TPPs (3 Table and 1 processing)
 - Priority traits for each PC



The meetings created better interaction with the different actors, helps to identify areas of collaborations, created better understanding of the modern plant breeding,

Regional collaboration *for efficient potato breeding programs in East-Africa*



East-Africa Highlands

Target countries

Potential spill over countries



What steps of the bottom-up approach?

- Defining the priority countries (Ethiopia, Kenya, Rwanda and Uganda)
- Regional Meeting with representatives of all countries
- Product design Team meeting to define the MKts and TPP (Breeding Objectives)
- Re-Design the Regional breeding strategy

What has change at CIP strategy?

- Expanding the breeding operations
- New traits
- New and old mkt coming from the countries
- New insights to define the threshold with support of MIPPI – social science
 - Biofortification - Main streaming in the main gene pool
 - BW
- To better understanding on processing trend (case of Rwanda and Ethiopia)

Aggregating the feedback to develop a regional breeding strategy

Thanks!

East-Africa Potato Breeding Network

Areas under potato cultivation, ***crop significance***, income categories, ***poverty levels***, current breeding activities and ***the capacity for research and the availability of infrastructure***.

Table 1. Areas under potato cultivation, crop significance, income categories, poverty levels of priorities countries for breeding in Africa

#	Country	Income Category 2022	Poverty	... in year	FAO Area harvested (ha)	National report - Area Harvested* (ha)	Importance of crop	Market Segment	Priority Country
1	Ethiopia	1 Low income	32,476,417	2015	80,453	350,000	L3	Defined	1
2	Kenya	2 Lower middle income	15,583,651	2015	201,276	250,000	L2	Defined	1
3	Rwanda	1 Low income	7,000,182	2016	108,514	130,000	L2	Defined	1
4	Tanzania	2 Lower middle income	28,551,162	2018	114,445	0	L2	Not defined	2
5	Uganda	1 Low income	19,350,294	2019	41,873	111,000	L3	Defined	1