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

Target countries

Potential spill over countries

East-Africa Highlands
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

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