CGIAR Breeding Process Model (BPM)

FINAL
approved by GI MT, March 2023
1. Definition and Objectives - What is a Process Model, what is it not and what is it used for?
2. General structure and documentation of the CGIAR Breeding Process Model (BPM)
3. Process Categories of the CGIAR Breeding Process Model (BPM)
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5. Processes within the Process Groups
   1. Product Development: Stage Plan
6. Document Management Information
<table>
<thead>
<tr>
<th>What is........</th>
<th>What it is not.......</th>
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<tr>
<td>A process model should provide a structure for collaboration, deployment, and improvement of an organization’s entirety of processes by visualizing the complex relationships between organizational entities (aka. Functions) and the work they do.</td>
<td>A process model does not set research goals and dictate how research should be done.</td>
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1. Objectives
What is the Process Model used for

• All Genetic Innovations processes follow the guidance of the CGIAR Breeding Process Model (BPM) that provides a standard to sub-ordinate processes.

• Transparent and structured overview, categorization and hierarchy of all breeding processes across functions

• Inter-initiative linkages including costing and reporting can be based on the BPM structure
2. General structure and documentation of the CGIAR Breeding Process Model (BPM)

- **Policies and Standards**
- **Process Categories**
- **Process Groups**
- **Processes**
- **Activities**
- **Tasks**

Documents that provide guiding framework to sub-ordinate documents:
Several (HSE-, Data-, Germplasm Standards, etc.)

- **Process Model**
  - 1 for One CGIAR Breeding

- **SIPOCs**
  - 1 per Process Group

- **Process Maps**
  - 1 per Process

- **SOP’s & Work Instructions**
  - # depends on level of standardization
3. Process Categories of the CGIAR Breeding Process Model (BPM)

Genebanks

MI and TPE Research  Product Development Process  Product LC Process

Strategy, Delivery & Scaling

Genebank Processes

Plant Breeding & Pre-breeding

Recurring Breeding Operations Processes

Breeding Research Services

Mi = Market Intelligence; TPE = Target Population of Environments; LC = Lifecycle
4. Process Groups of the CGIAR Breeding Process Model (BPM)

**Genebanks**
- Genebank Processes
  - "Genebank WP 3"

**Strategy, Delivery & Scaling**
- MI and TPE Research
  - Tbd.
- Product Development Process
  - Product Design
  - Trait Discovery & Deployment
  - Population Improvement & Candidate Selection
- Product LC Process
  - Scaling, Launch & Lifecycle Management

**Plant Breeding & Pre-breeding**
- Recurring Breeding Operations Processes
- Breeding Analytics (Service) Processes
- Trialing & Nursery Support Service Processes
- Lab Service Processes

**Breeding Research Services**

MI = Market Intelligence; TPE = Target Population of Environments; LC = Lifecycle
5.1 Processes in Product Development: Stage Plan

Product Development Processes

Product Concept & Market Segmentation

Product Design

Trait Discovery

Trait Deployment

Crossing & Screening

Early Testing

Late Testing

On-Farm Verification

Product Registration (DUS, VCU)

Stage n.... Stage n+1
Product launch, Growth, Maturity, Decline, Phase out, Out of Sortiment

Genebank

Stage Processes

Stage Gate Processes
## Document Management Information

<table>
<thead>
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<td><strong>Next Review</strong></td>
<td>October 2023</td>
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