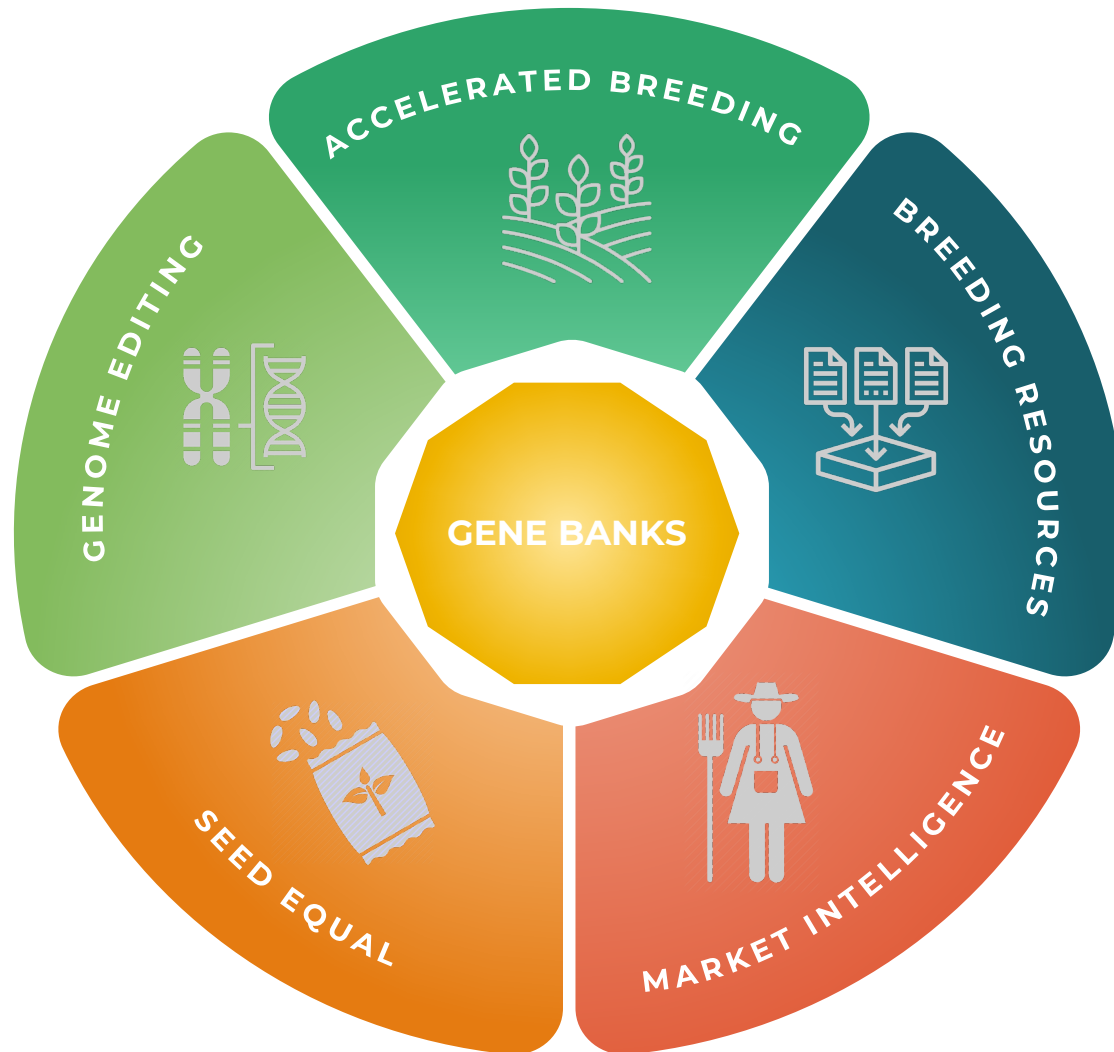


Genetic Innovation Drop in call

Genebank

Monday 13 June 2022
(13:00 – 13:45)

CGIAR Genetic Innovation Initiatives: working tightly together, with partners, for broad-based impact



SIX CLOSELY INTEGRATED INITIATIVES
CO-DELIVERED WITH PARTNERS



WORKING ACROSS CGIAR'S
THREE ACTION AREAS
TO ACHIEVE SYSTEMS CHANGE
IN FIVE IMPACT AREAS



Nutrition, Health &
Food Security



Poverty Reduction,
Livelihoods & Jobs



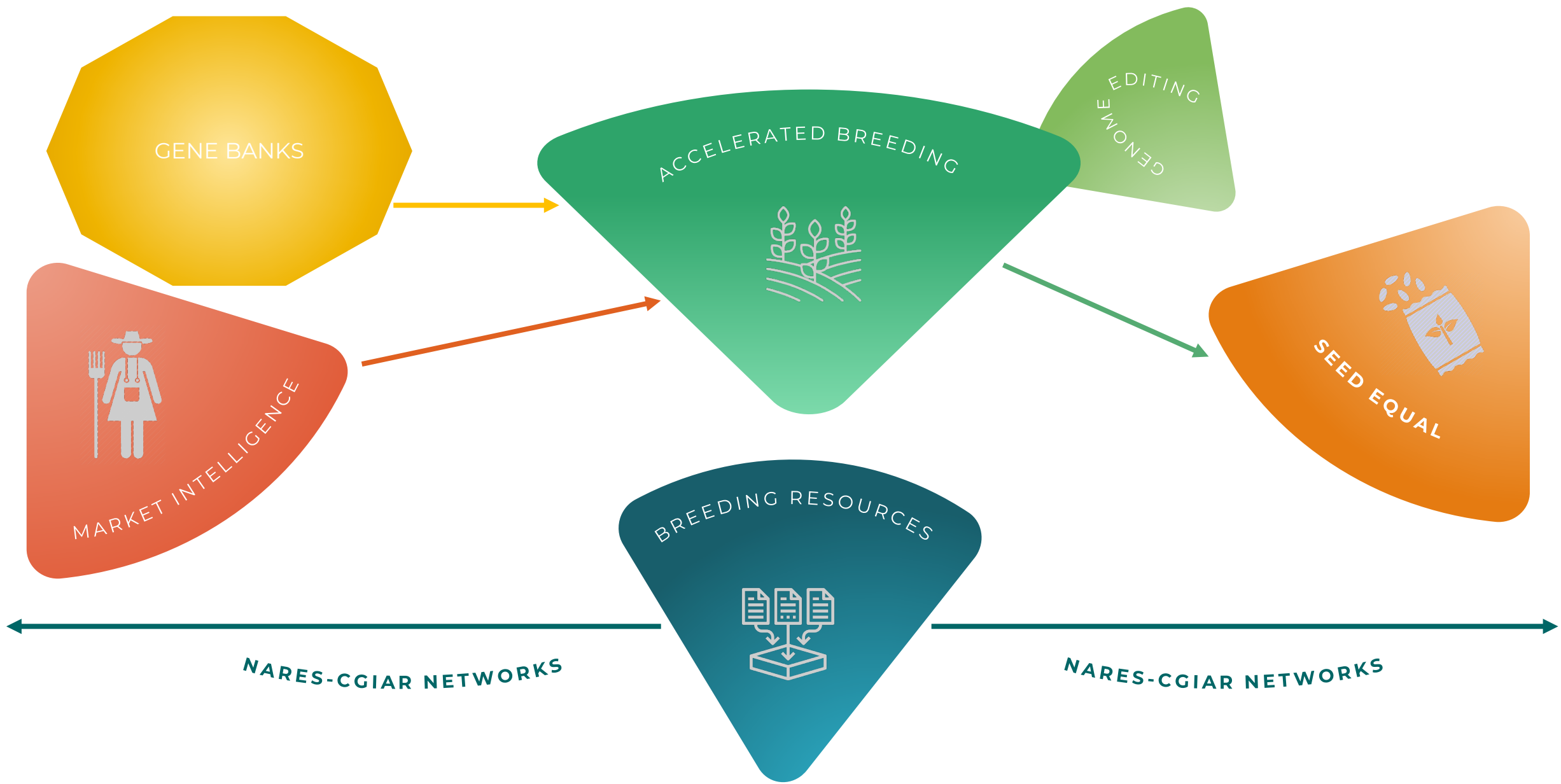
Gender Equality, Youth
& Social Inclusion



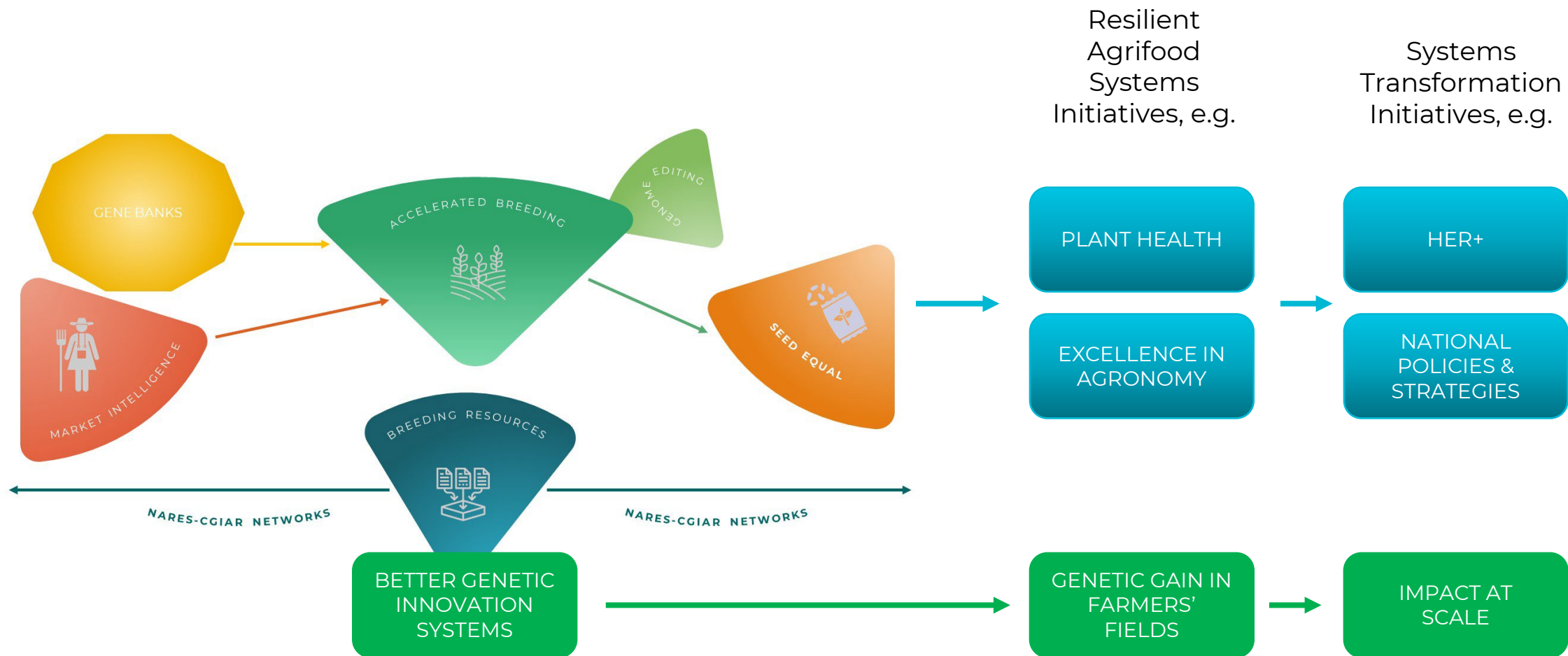
Climate Adaptation &
Mitigation



Environmental Health
& Biodiversity



GI Initiatives: from customer demand to farmers' fields



GI Initiatives: integrated into whole CGIAR portfolio and theory of change

1. Genebanks: Essential facts

Main objective: to **conserve** the in-trust collections and **make them available**, in compliance to international PGR policies and phytosanitary norms

Main impact areas : Nutrition, health, and food security; Climate adaptation and mitigation; Environmental health and biodiversity.

Target 2.5: Maintain the genetic diversity of seeds, cultivated plants and ... their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels...

WP1 - Guarantee
availability of
diversity in
perpetuity

Core operations

WP2 -
Futureproofing
collections &
exchange

Research/innovation:
*[Performing core operations
more efficiently and
effectively]*

WP3 - Supporting
breeding &
increasing use of
collections

Make collections more
valuable to users –
linkages to GI initiatives

WP4 - Strengthening
the Global System

Capacity building and
partnerships –
Linkages to NARS & stakeholders

2. Responses to ISDC comments and progress

- Clarity of objectives and research questions:
 - Rephrasing and clarification: ongoing - updated proposal through online submission tool (Jun 30)
- planned activities, geographical and crop foci, time frames, and resource requirements:
 - Developed WP leaders & Genebank managers, and revised/finalized by the Interim Management team in Rabat meeting
 - Detailed plans of work per workpackage and per center, with defined deliverable, baseline, target, milestone and indicators, Detailed crops and countries where activities will be implemented
- Planned key partner and stakeholder engagement processes and roles to ensure their participation:
 - ongoing, more detailed on 4. Partner engagement and 5. Collaboration with GI
- Role and reach of national genebanks: ongoing (more detailed 4. Partner engagement)

3. Implementation to date – key highlights

WP	Main activity – Progress to date
1 - Guarantee availability of diversity in perpetuity	<i>Regeneration, characterization, conservation, monitoring, documentation, distribution and safety duplication - Under regeneration: ca. 40,000 accessions</i>
2 - Futureproofing collections & exchange Research and optimization	Seed: Identifying seed lots for continued viability monitoring for seed longevity research; Videometer training in IITA
	Clonal: CoP developing Workplans; collaborative research optimizing clonal crop conservation ; Implementation of the workplans started.
	Germplasm health: 5th working group meeting in Thailand; past review, 2022 plans, and cost recovery strategy
	PGR policies: CGIAR reports for Plant Treaty's GB; Training on 'Genetic Resources Policies for CGIAR Scientists'; Centers' annual reports re CGIAR IA Principles; 'Guidance on improved accession level management' approved by EMT;
3 - Support breeding/increased use	Use: Development of workplans; Deployment of the first version of sub-setting tool. Planning a "users workshop" in Q4, 2022; defining linkages and alignment activities with GI initiatives.
4 - Strengthening the Global System	ABS workshop; consultations with potential NARS partners; training modules and workshop on gap analysis and use of subsetting tool; support for national genebanks in core activities; coordination with GCDT; Consultations with NPPOs re GreenPass

4. Partner engagement – WP4: Partnerships and Capacity building

Planned key partner and stakeholder engagement processes and roles to ensure their participation

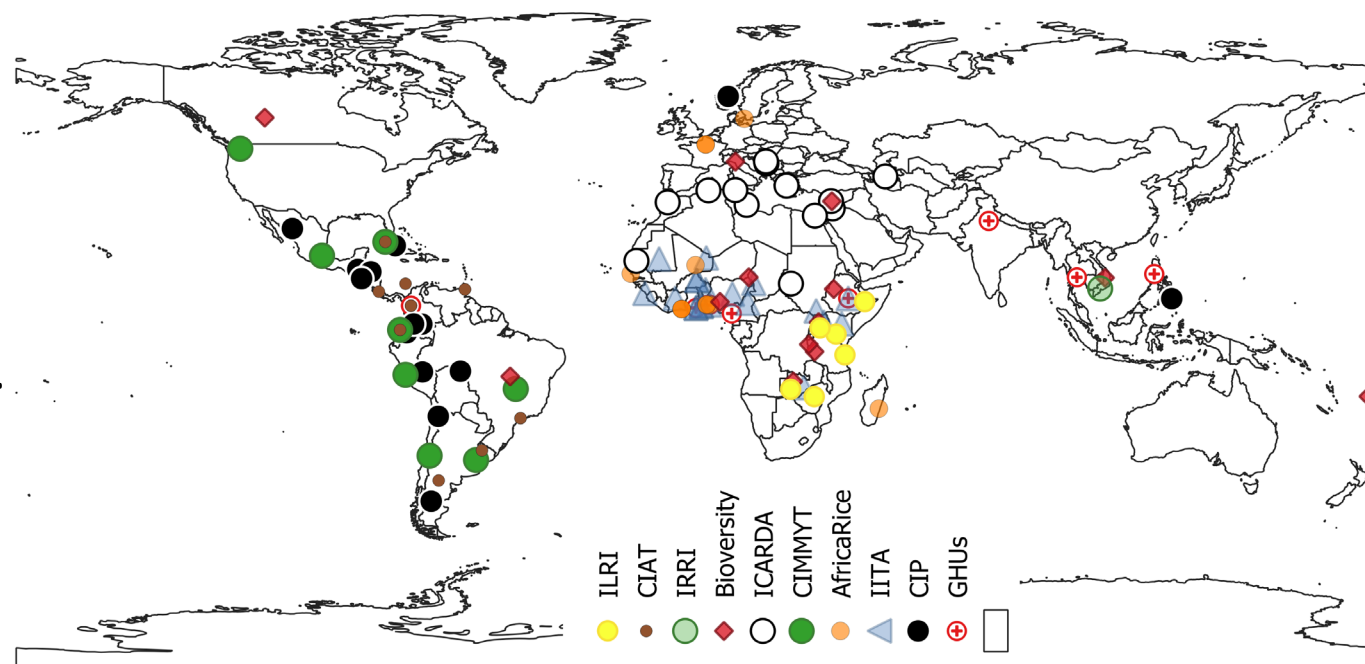
guiding principles for NARS capacity building activities:

- funded activities/partnerships must be needs driven,
- engage regional/crops networks and organizations as means of multiplying impact with NARS,
- consider existing survey/lit re capacity needs, and
- involve transparent partner selection processes.

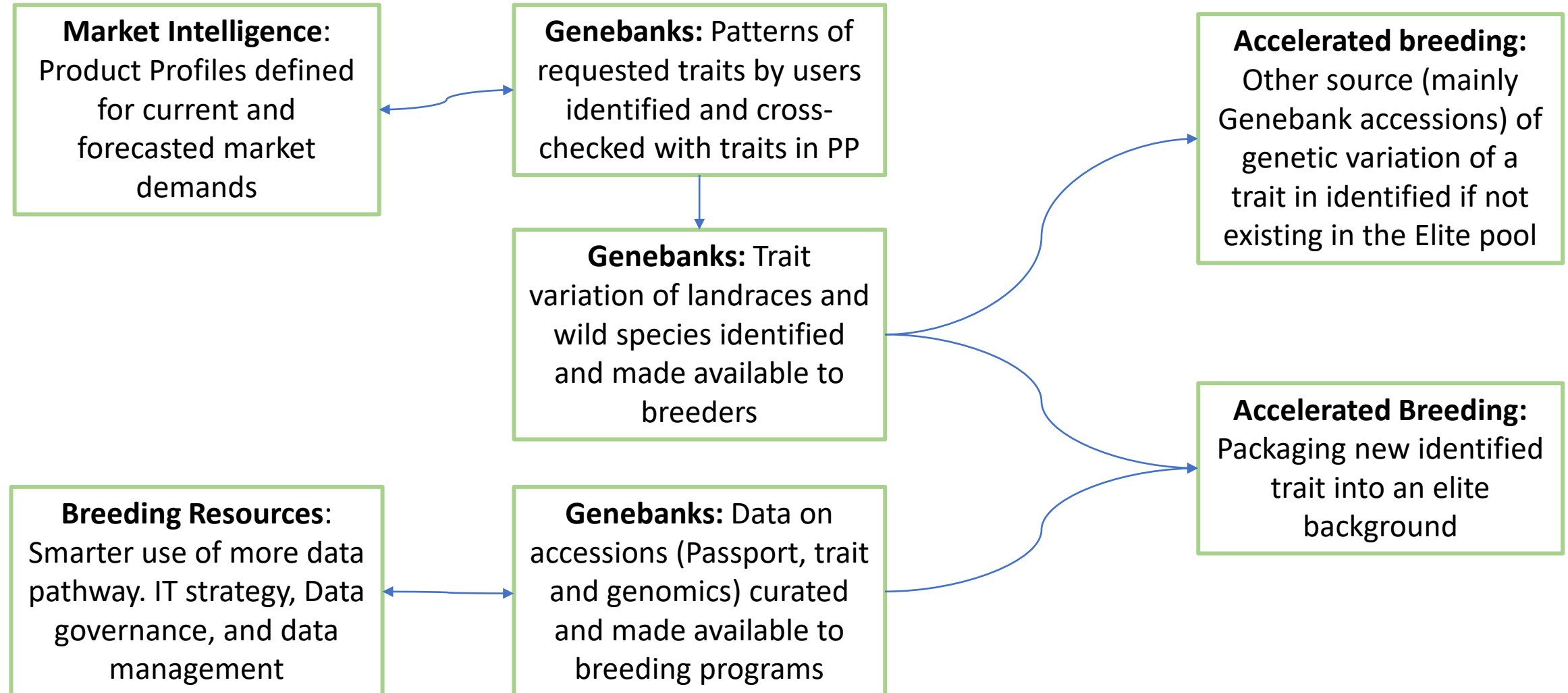
Partnerships with NARS is essential to

- Creating global cryopreservation network
- Greenpass System for safe management and expedited transfer of healthy germplasm.
- Genetic Resources Policies in Support of the Global System

Countries where activities are planned with national partners



5. Collaboration with other GI Initiatives



6. Budget

- Management of the initiative – cross cutting
- Reallocation of funds between centers
- Pooled funding allocation to centers synchronization with Crop Trust’s Long Partnership Agreements

*Crosscutting to include initiative management, meetings and travel (AGM), M&E, reporting, comms, etc..

	2022	2023	2024	
Crosscutting*	0.3	1.1	1.1	
WP1 – Guarantee diversity in perpetuity	12.4	9.5	7.7	↓
WP2 – Future proofing collections	6.0	6.0	6.0	
WP3 - Use	3.8	5.3	6.8	↑
WP4 – Global system	2.4	3.0	3.3	↑
Total CGIAR	24.9	24.9	24.9	
Total GCDT (WP1)	4.5	7.0	8.3	↑
TOTAL	29.4	31.9	33.2	↑

7. Challenges / risks – and mitigations of these

Top Risks	a) Existing controls / mitigation actions or mechanisms	b) Further controls / mitigation actions
WP1. Loss of accessions or collections caused by unforeseen events	<ul style="list-style-type: none"> Two levels of safety duplicate 	<ul style="list-style-type: none"> New, reliable cryo bank
WP2. Lack of adequate funding to capture technical advances and innovations	<ul style="list-style-type: none"> Budget controls are in place CoPs have been created Audits/reviews regularly conducted 	<ul style="list-style-type: none"> Continue partnership with CT Evaluate innovations
WP3. Failure to provide relevant germplasm and info in a form that can be queried by users -> genebanks becoming under-utilized	<ul style="list-style-type: none"> Germplasm subsets have been created Characterization data has been uploaded A "User Group" was created 	<ul style="list-style-type: none"> Leverage and use materials being developed by existing trait development programs. Strengthen Collaborative/ bilateral funding
WP4. OneCGIAR reform call into question the value /impact of collections -> reduced funding & loss of credibility	<ul style="list-style-type: none"> Active engagement with Centers, Crop Trust and Plant Treaty Secretariat 	<ul style="list-style-type: none"> Develop transparent communications about the levels of support and management of the collections

Thank you