RESEARCH PROGRAM ON Roots, Tubers and Bananas

CGIAR

J u l y 2 0 2 1

RTB ISC “Grand Finale”

GRAHAM THIELE

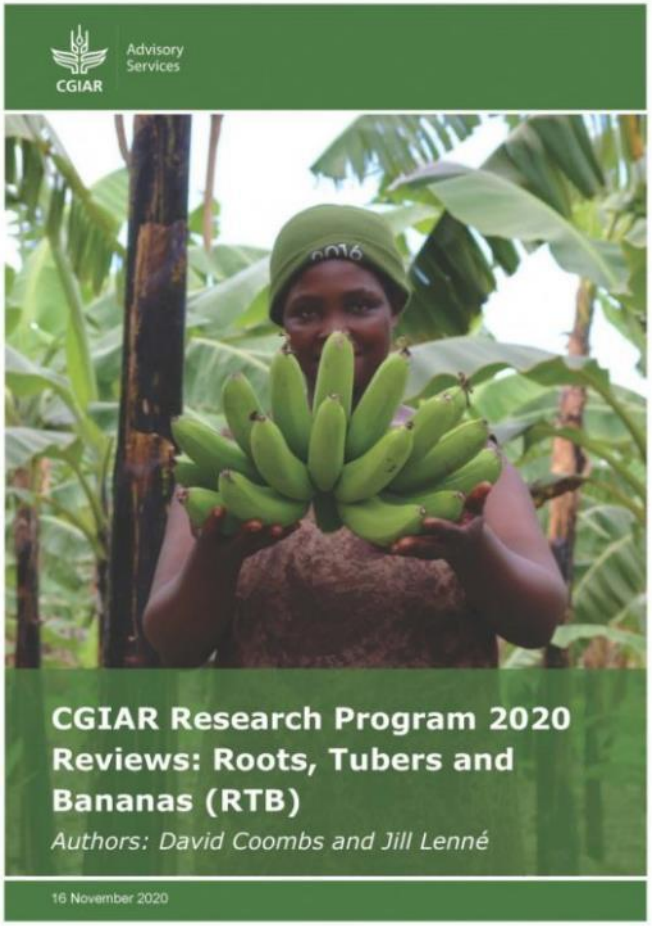
Alliance

CIP INTERNATIONAL POTATO CENTER · Bioversity International · CIAT · cirad · IITA

Outline

- CAS review
- Transitioning to One CGIAR
- Gender
- Communication
- Critical issues

CGIAR Advisory Services: review of Phase 2 (2017–2019)



"RTB is an **effective program** delivering **high-quality science**, with an important part to play in **contributing to the Sustainable Development Goals** over the next 10 years".

Highlighted "the existence of RTB helps to **promote clonally propagated crops as a group** to an international audience as important food crops."

→ CGIAR Structure clusters RTB crops

Recommended transition to new portfolio should conserve the strongest successes to date, including the **RTB golden eggs** as collective knowledge assets with demonstrated broad applicability.

→ Golden eggs mainstreamed in CGIAR

ToC use in planning, and adaptive management & revised annually.

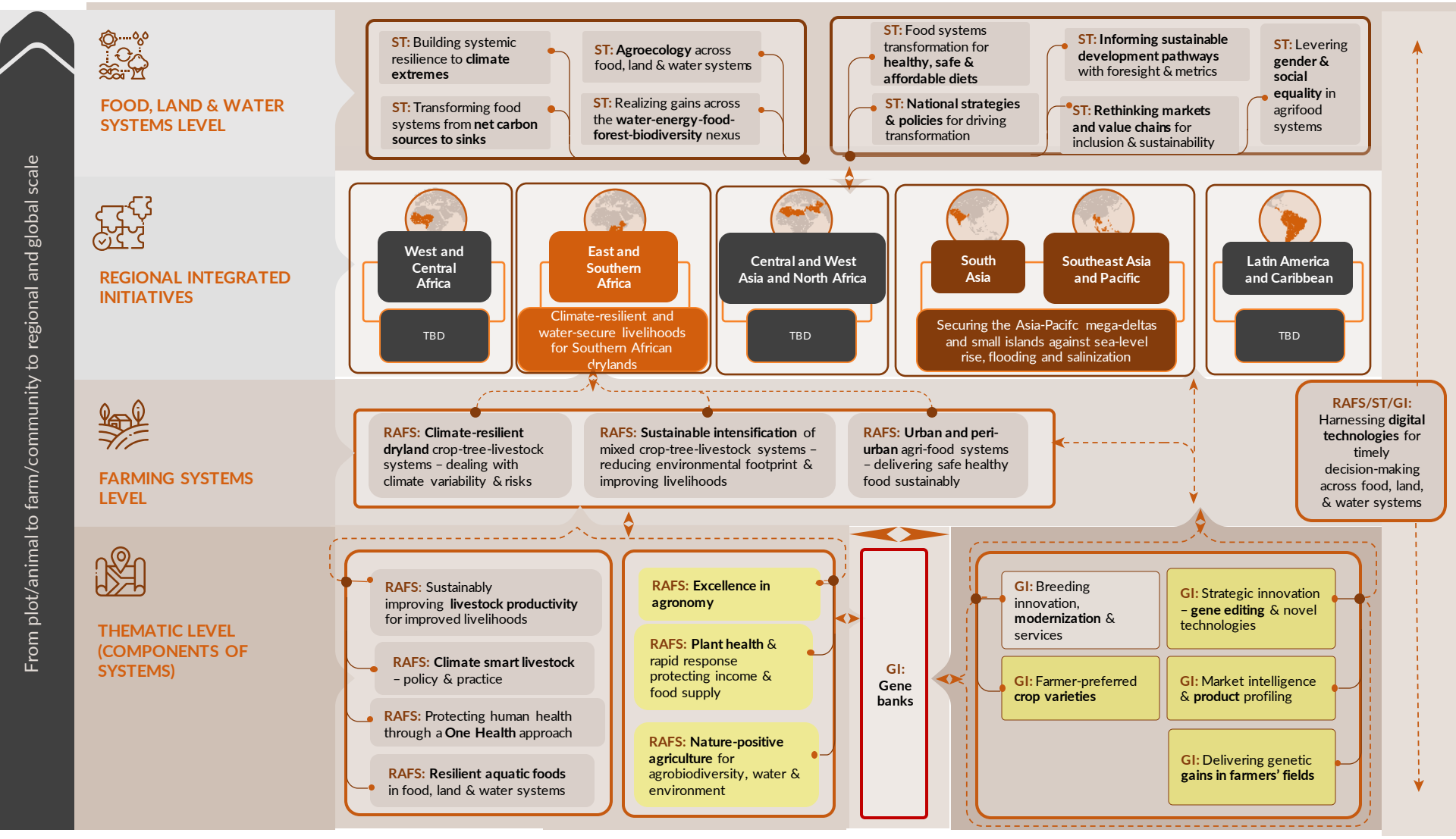
→ ToC processes promoted to GI

CAS synthesis evidence from CRP review published in June 2021: https://cas.cgiar.org/evaluation/publications/2021-Synthesis

Transitioning to One CGIAR

* New golden eggs in pipeline:
Tricot and approach for including quality traits

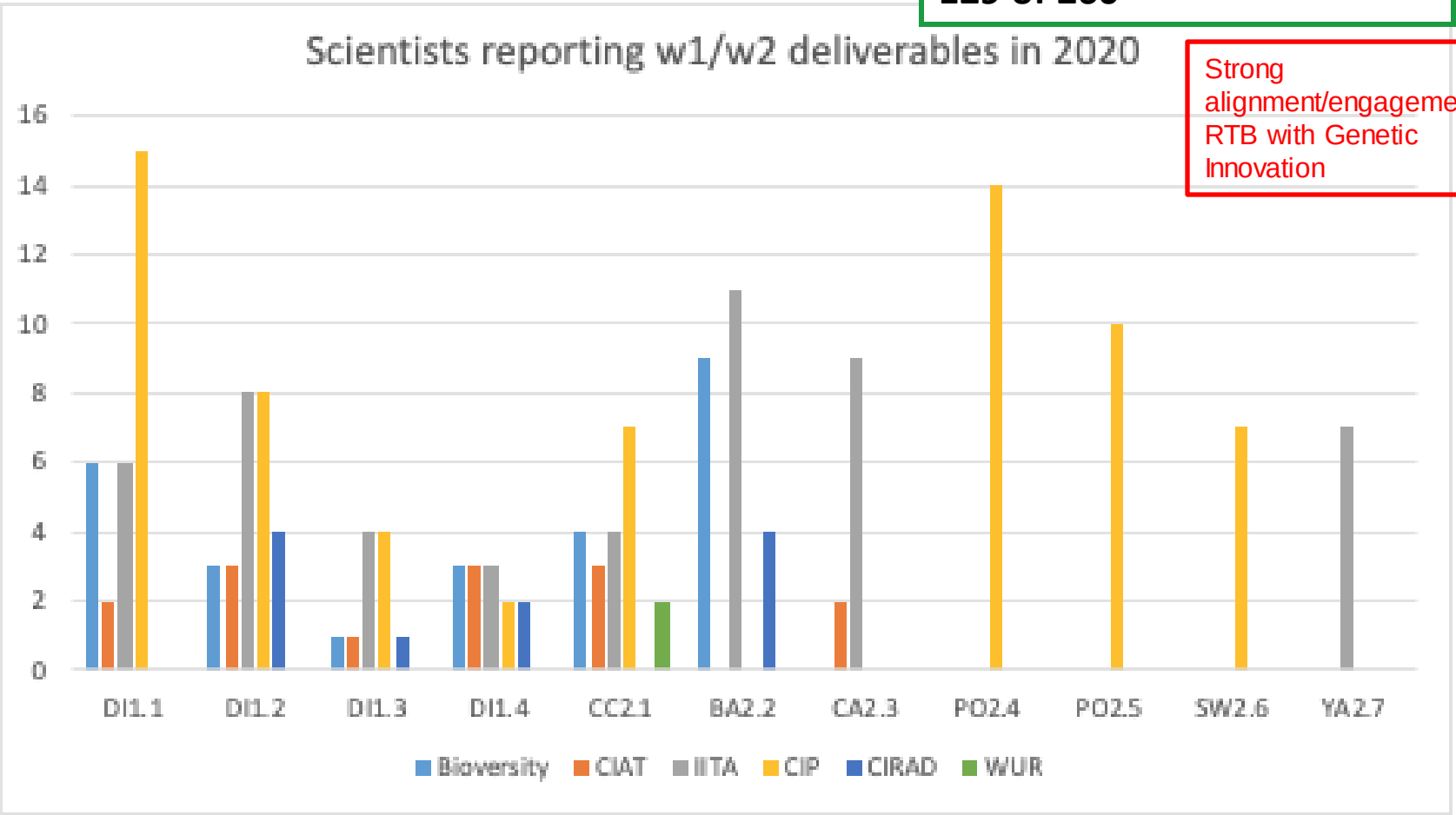
- Resources for nurturing plans (eg G+ breeding tools) to ensure broader uptake
- G+ Breeding Tools, Scaling Readiness and Seed System Toolbox selected for CGIAR 50th anniversary celebrations
- Golden eggs con adopted by CGIAR! Market transfer event in June



Strong linkages: gender, regional integrated initiatives, markets and nutrition

Staff involved in Genetic Innovation

Total scientists involved:
129 of 260



Strong alignment/engagement RTB with Genetic Innovation

Action area:
Genetic Innovation

Initiative:
Market intelligence and product profiling

Capitalizing the RTB experience in the "Market Intelligence and Product Profiling" initiative

Vivian Polar (RTB gender) Co-Lead

Gender and social inclusion key driver

Priority setting

Priority setting

Foresight and cost-benefit analysis

Hackathon

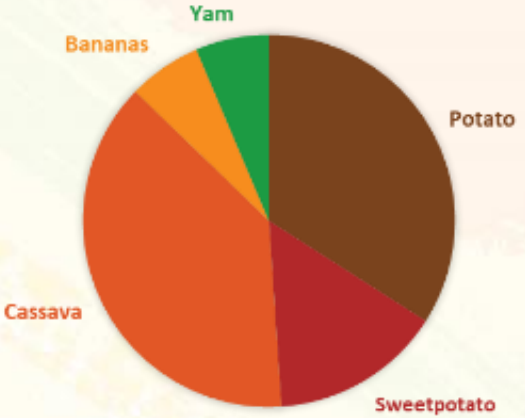
on product profile development

G+ tools

for gender-responsive product profile development

G+ breeding tools

Sharing, learning, adapting varietal product profiles (about 50)

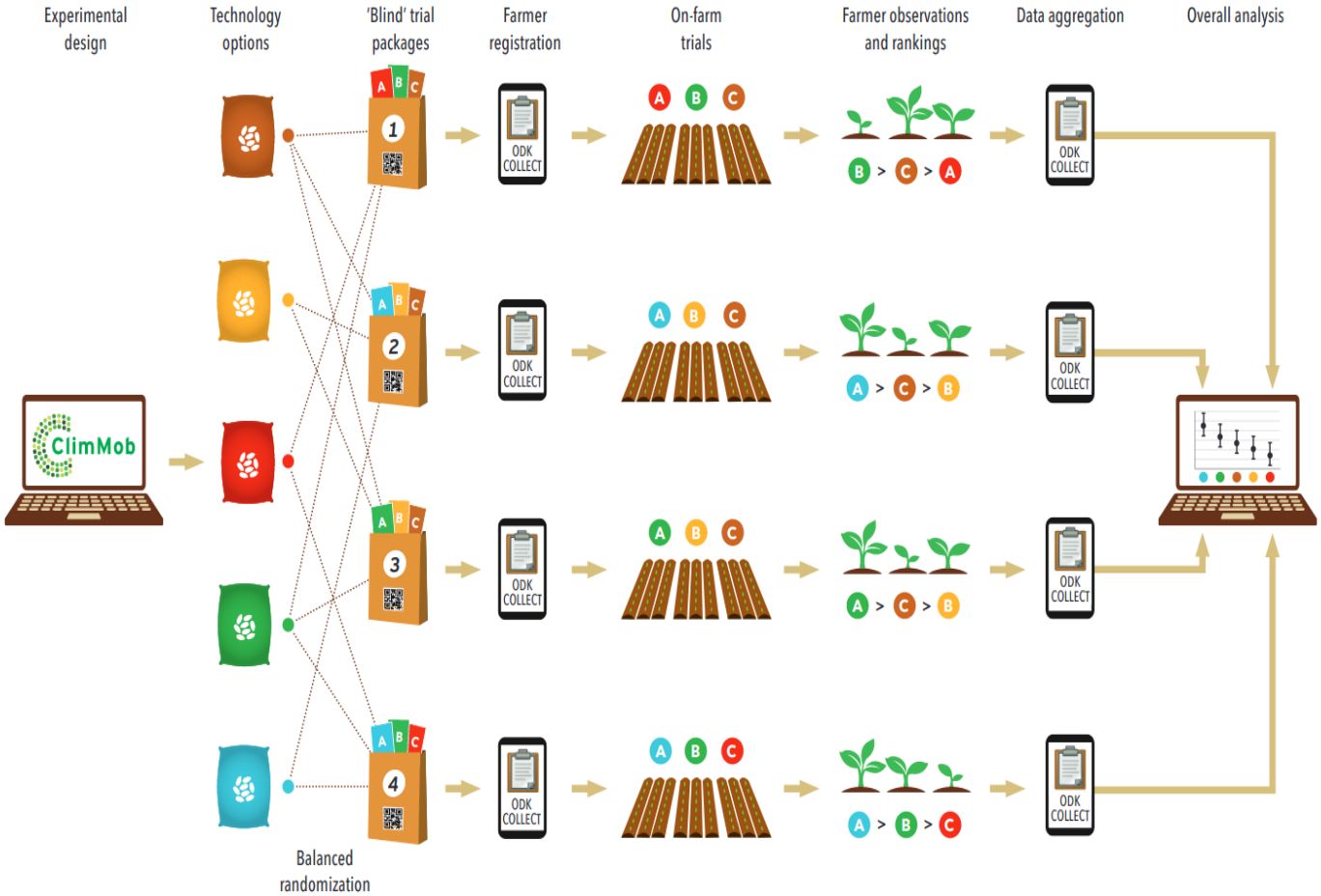


Initiative: farmer preferred varieties

Modernizing Breeding Programs- Tricot

Tricot citizen science approach:

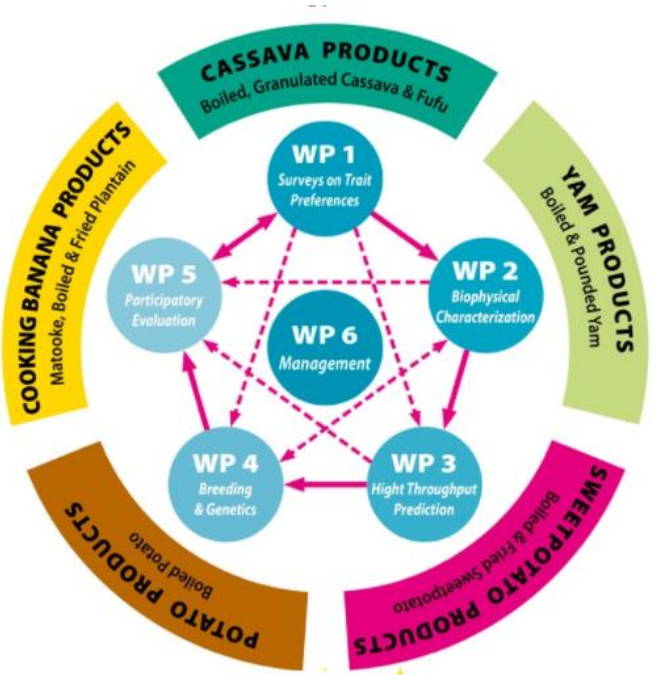
- Farmer tests three technology options- provide feedback with cell phone
- Evaluate new varieties with large numbers of farmers
- Streamlines the process of testing compared to conventional on-farm testing.



Modernizing Breeding Programs- Developing tools to screen for quality traits

Golden egg in development

By enabling breeders to select for quality traits that consumers demand early in the breeding cycle, this will lead to accelerated uptake in adoption of varieties



Process to develop high throughput tools to evaluate critical quality traits-RTBfoods project

Consumer testing of eba & fufu A.Bechoff

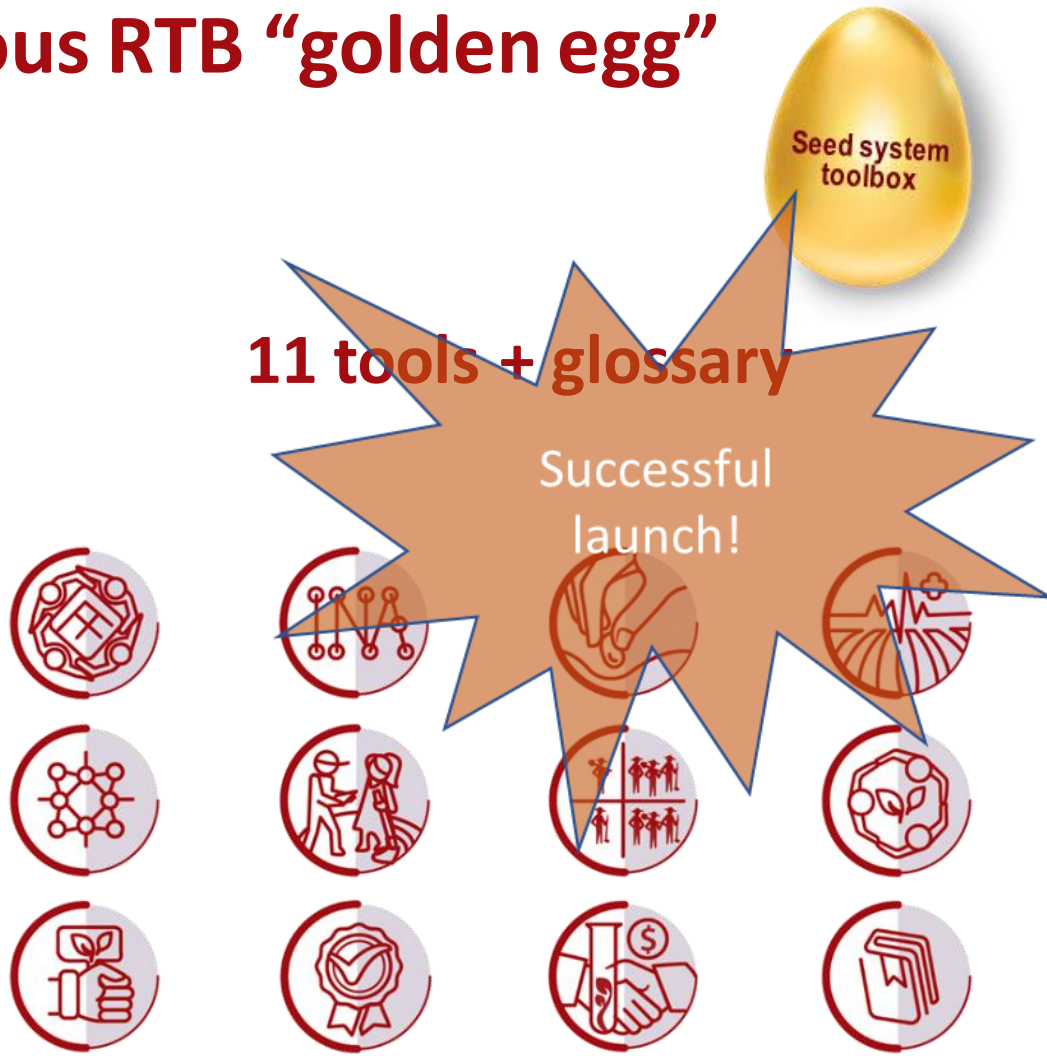
Initiative:
seed delivery

The Toolbox: A precious RTB "golden egg"

TOOL BOX

FOR WORKING WITH ROOT, TUBER AND BANANA SEED SYSTEMS

- RTB Director member Initiative Design Team (IDT) for seed delivery
- Taskforce created for RTB crops in IDT
- African center of Excellence for RTB seed systems



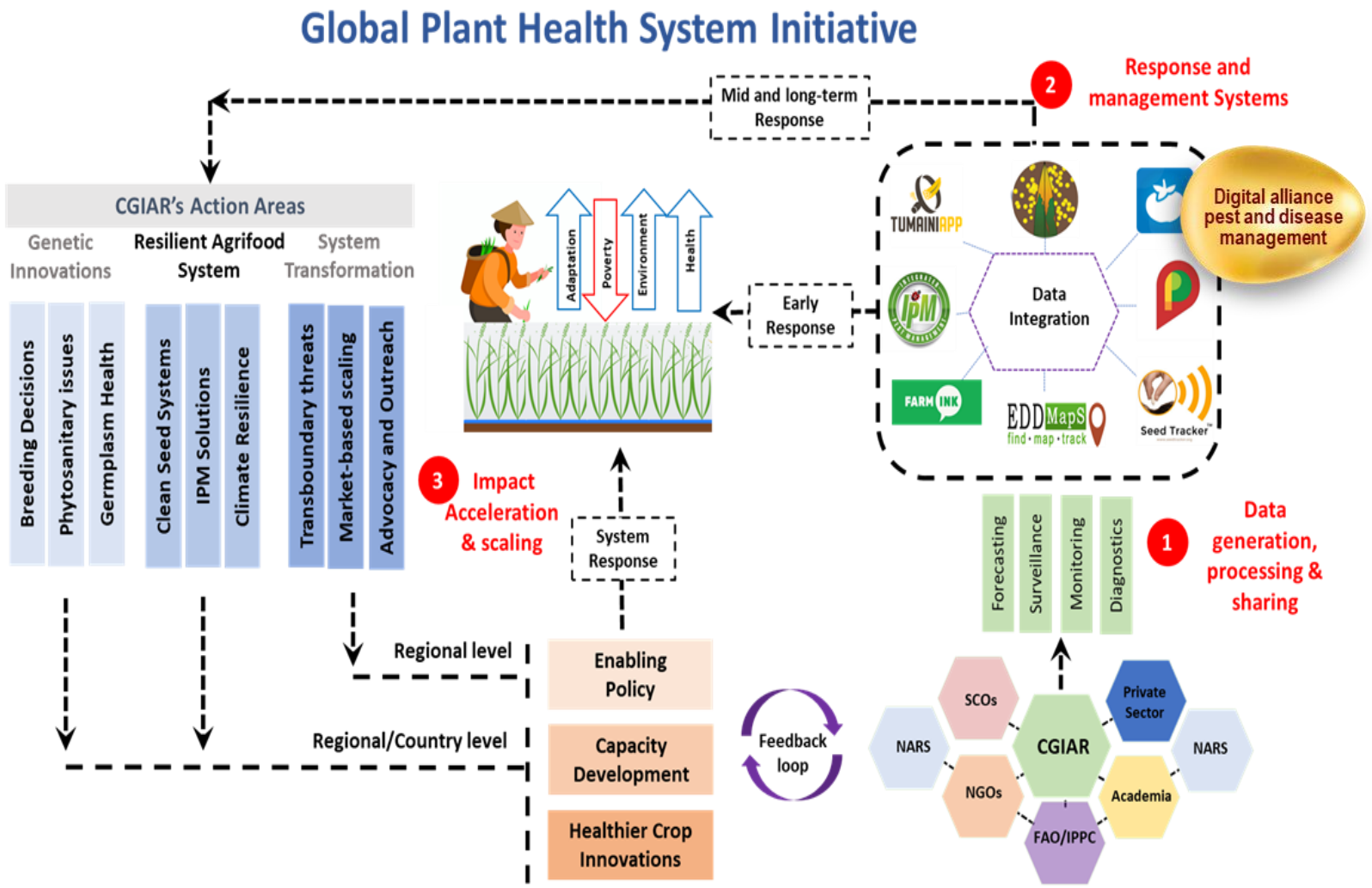
Action area: RAFS

Initiative:
Global plant health

Linkage global plant health

- Plant health neglected in initial One CGIAR strategy
- Especially important in RTB crops!
- CGIAR Plant health working group with four members of FP3:
  - Lobbied for more attention to plant health
  - Identified plant health champions
  - Prepared draft ideas for initiative

Draft initiative



Gender

Gender integrated across RTB

G+ breeding tools

Gender R4D Portal

Team linked to initiatives in ST, RAFS, GI

Advancing integration with initiatives

Gender and Youth strategies

Two golden eggs

Gender tools used with partners

GREAT
NARES
EiB, WUR
Penn State Univ.
GENDER Platform

Contributions of community nutrition towards more nutritious diets

Communication

Regular blogs that highlight our strong and diverse partnerships

Banana breeding project successfully implements modern track and trace system

Developing operational guidance for scaling agricultural innovations in One CGIAR

Thriving with complexity

The Yams of Konguan

Teaming up for more impactful breeding

RTB pushes for gender-responsive technology design and deployment

New Portals Launched! - part of our golden eggs

Tools4SeedSystems

Gender-responsive agricultural research for development

AGRILINKS EVENT

Enhancing Root, Tuber and Banana Crops' Contribution to Food and Nutrition Security

EVENT RESOURCES

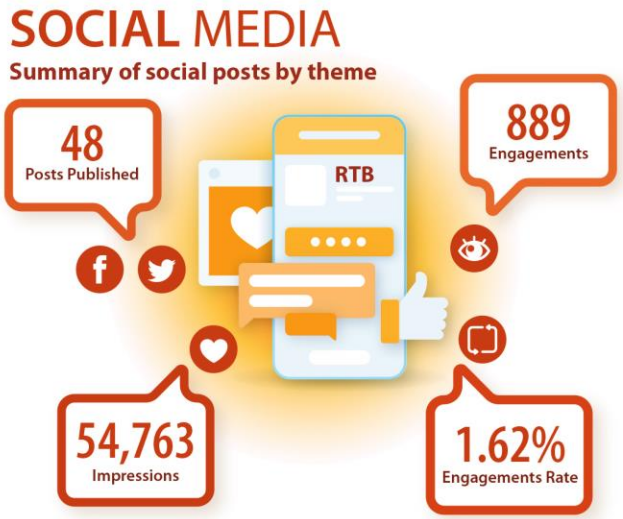
Webinar Presentation Slide Deck
9.08 MB

Webinar Recording

Presentation Chat Transcript
316.49 KB

Leave feedback

YOU MAY ALSO LIKE



Final Stakeholder Report – published soon!

Implications and critical issues

Conclusions and implications

- Ensuring delivery in 2021 top priority

  → Mid-year reporting ongoing

- Golden eggs and catalogue: enablers of transition to One CGIAR
- Springer book: Innovation in RTB Food Systems: November 2021!

  → Support sustainability and additional work

- Progressively increasing support to initiatives: RTB team actively engaged

  → Advisory, TOC and support of new ideas

- Closing out plan: RTB Grand Finale meeting!
- Continuity W1/2 staff & resources in initiatives

  → Advocate via ISC to EMT on key areas at risk

RESEARCH PROGRAM ON
Roots, Tubers and Bananas

CGIAR

Thank you

Alliance

CIP Bioversity CIAT cirad IITA