



RESEARCH
PROGRAM ON
Roots, Tubers
and Bananas

Flagship Project 5

Improved Livelihoods at Scale

MARC SCHUT • RTB ISC F2F MEETING
DAR ES SALAAM, TZ SEPTEMBER 06, 2017





Outline

- 1. Flagship overview**
- 2. Key scientific achievements 2017**
- 3. Looking ahead: opportunities and challenges**



FLAGSHIP OVERVIEW

Flagship 5 in RTB

Leader: Marc Schut, International
Institute of Tropical Agriculture

Scientists: 90
Partner organizations: 32

Total Budget: 3,500,00

Clusters: 5

Export Publications

✧ Flagship Description

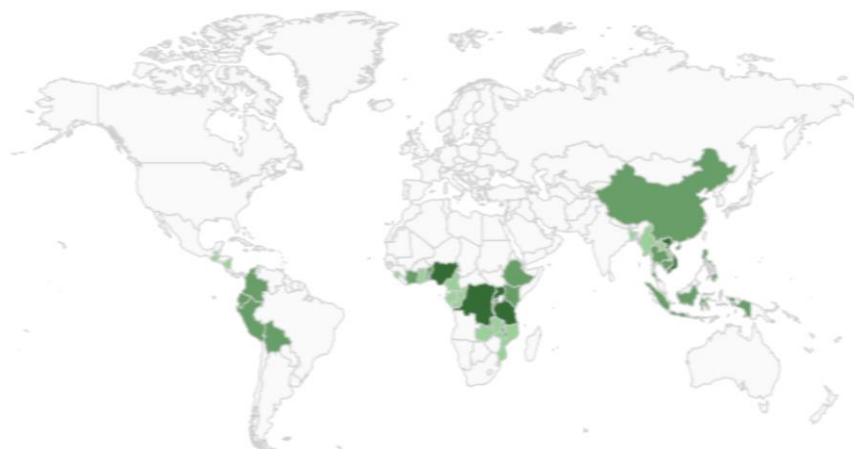
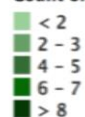
FP5 aims to enhance capacities to innovate in RTB-based agri-food-systems, while ensuring improved gender equity and youth participation. FP5 will develop tools and approaches that (1) improve identification and prioritization of problems and opportunities through foresight and impact assessment, (2) encourage targeted investment in innovation and scaling, (3) enable participatory testing of RTB intensification options (drawn from FP1-FP4) for innovation in a livelihood context, (4) stimulate diversification and social interventions within the larger systems context, and (5) promote scaling of RTB innovations.

✧ Atlas

Clusters distribution by country



Count of Clusters



Highcharts.com © Natural Earth



Objective of FP 5: “Science of Scaling”

The scaling of innovations lies at the core of achieving RTB’s ambitious targets of reaching millions of beneficiaries by 2022.

FP5 develops RTB’s ‘**science of scaling**’ that actively *connects the pathways* of **research** and **development** to achieve scaling of innovation. It supports researchers in making informed decisions on how to optimise the likelihood that their work will contribute to having impact at scale. In doing so, science of scaling supports:

- The design, implementation and monitoring of impactful research processes through strategic foresight, ex-ante and ex-post impact analyses (CC5.1)
- Government, public and private sector policy-making by showing the projected impacts that occur when RTB innovations are being used at scale (CC5.2)
- Better insight in the diverse needs and interests of different RTB research user groups (e.g. farmers of different gender and age groups, policymakers, private sector) (CC5.3)
- The initiation of strategic RTB innovation and scaling partnerships that have a high return on investment in terms of matching timelines and incentive systems in research and development (CC5.4)

The Cluster Leaders



Dr Elisabetta Gotor
CC5.1 – Foresight and impact assessment



Dr Godfrey Taulya
CC5.2 – Sustainable intensification and diversification



Dr Netsayi Mudege
CC5.3 – Gender-equitable development and youth employment



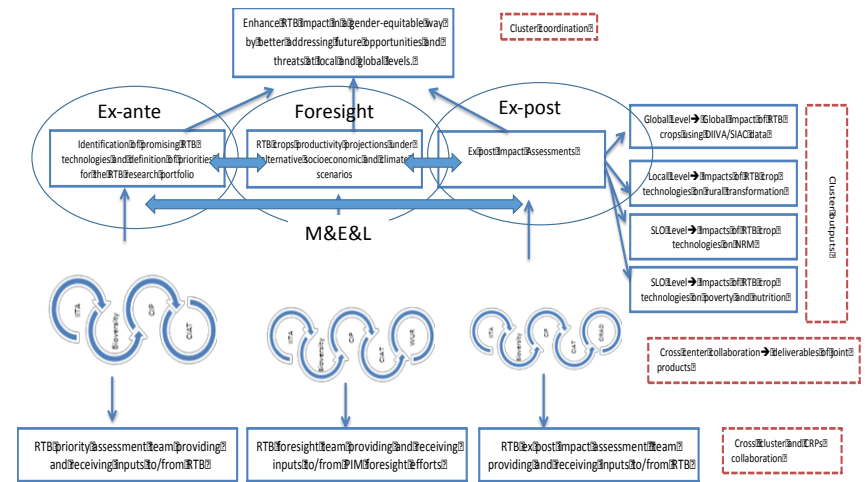
Prof. Cees Leeuwis
CC5.4 – Scaling RTB agri-food systems innovations



Key scientific achievements 2017

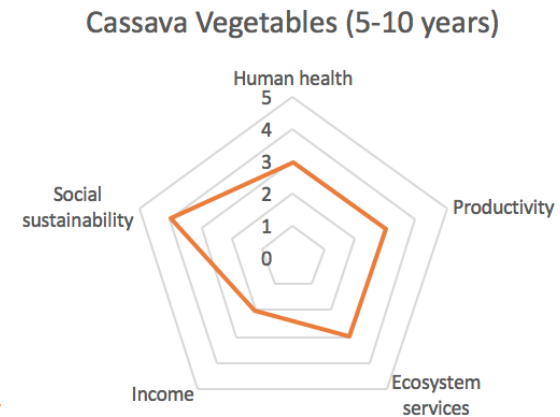
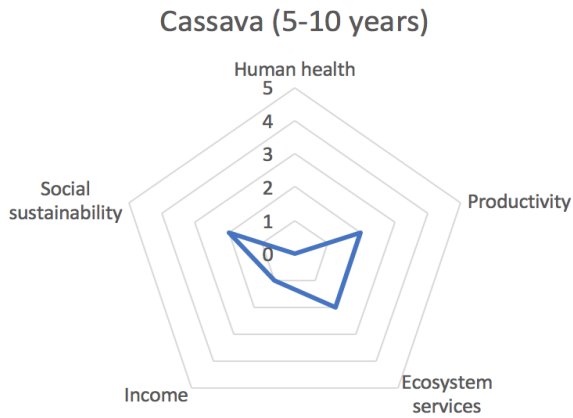
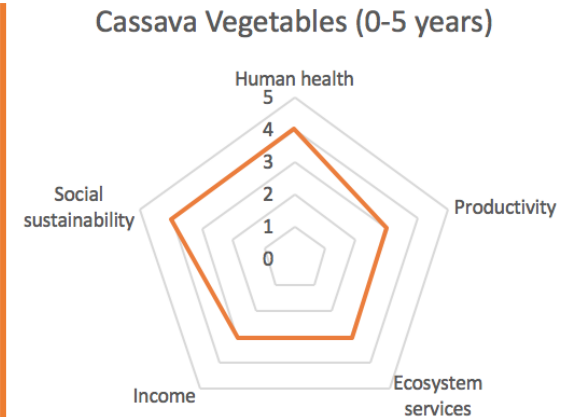
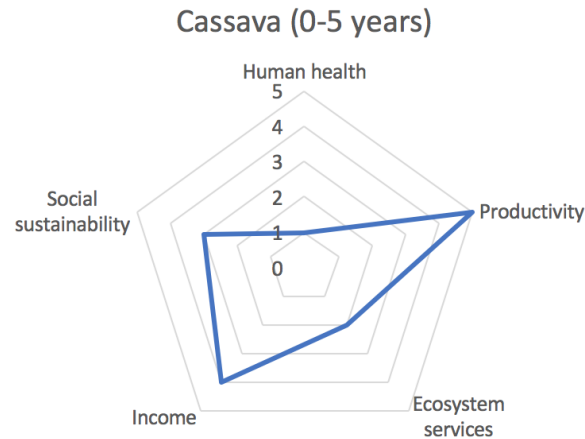
CC5.1 Update

- Core Team met in Rome between 23 and 25 of May 2017 with objectives to:
 - Develop overarching frameworks to better connect Ex Ante, Foresight, and Ex Post analysis with M&E&L (impact and scaling pathways)
 - Develop a coherent work plan around what RTB FP5.1 aims to achieve in a three-years period.
 - Conduct a multidisciplinary and cross-cutting research on the impact of RTB innovations on Rural Transformation.



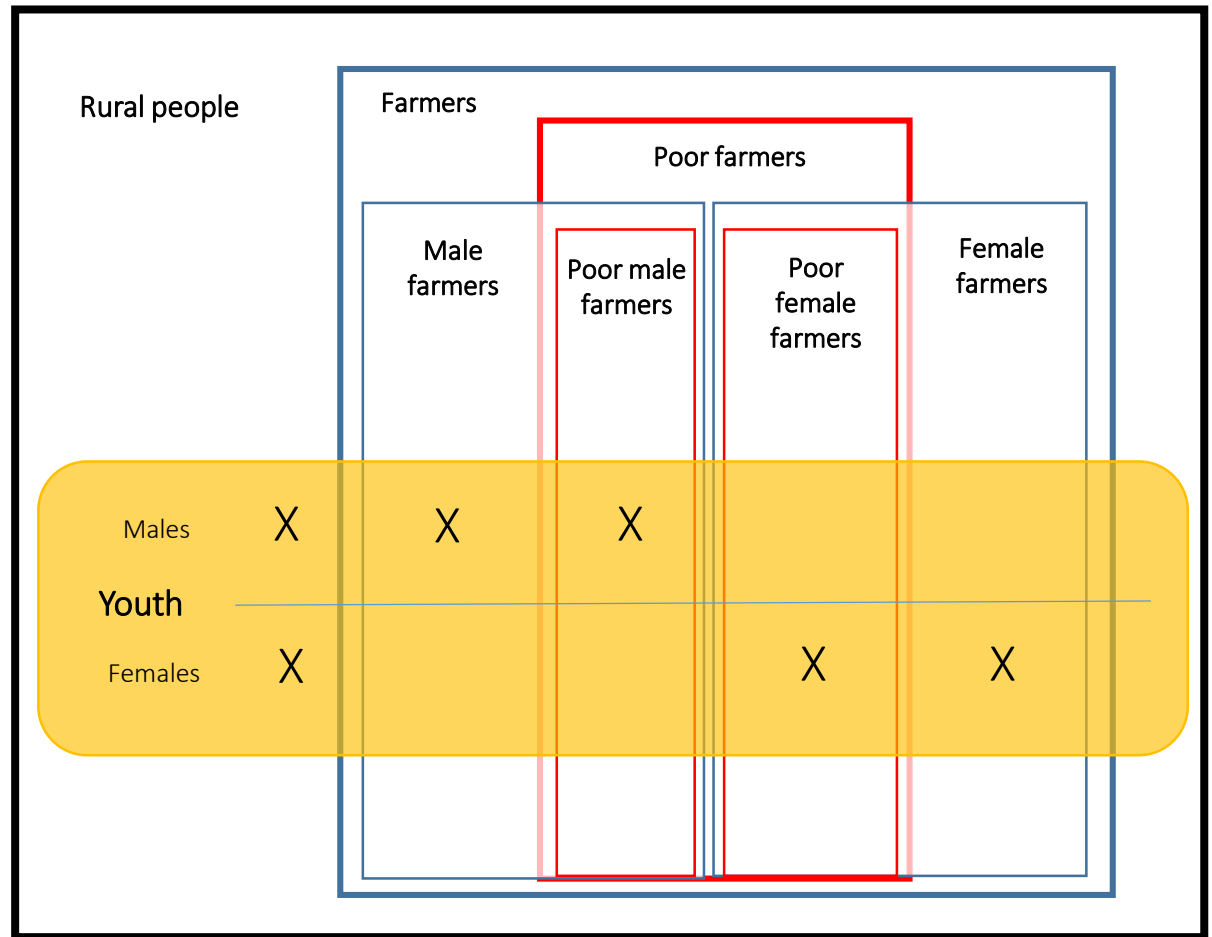
CC5.2 Update

- Analysing trade-offs and synergies when scaling RTB innovations across:
 - Livelihood objectives (productivity, ecosystems services, human health, social sustainability, income)
 - Gender, age, resource endowment groups
 - Short- versus long term benefits (e.g. ISFM)
 - Plot, farm, community level
- Two case studies selected (BXW and OFSP)



CC5.3 Update

- Kick-off meeting 26-27 May 2017 in Amsterdam
- Earmarked funded projects embedded in CC2.1, 1.1, and 3.1
- Adding youth to existing frames to better understand contextual opportunities and constraints for youth
- Understanding diversity among RTB beneficiaries



CC5.4 Update

- More impactful innovation and scaling pathways
- Kick-off meeting 13-14 March 2017 in Dar es Salaam
- Scaling readiness
 - Reconstruct successful scaling cases (e.g. OFSP)
 - Conceptual framework to assess and accelerate scaling readiness of RTB innovations
 - Validate framework and provide scaling support to 4 RTB projects →
- Developing tools to assess scaling readiness of innovations across RTB and across the CRPs



1. Scaling BXW-control in DR Congo and Uganda (led by Bioversity International);
2. Scaling best cassava agronomy practices in Tanzania and Nigeria (led by IITA);
3. Emergency response schemes and early warning systems for managing cassava pests and diseases in Vietnam (led by CIAT);
4. Decision support for potato late blight management in Ecuador (led by CIP).



Looking ahead: opportunities and challenges

Opportunities: Linkages across Clusters and Flagships

- Case studies being reviewed across the FP 5 Clusters
 - Orange Flesh Sweet Potato
 - BXW management in Central Africa
- Across the RTB Flagships
 - CC5.1 assessments in other FP projects
 - CC5.2 case studies on OFSP and BXW (FP3)
 - CC5.3 Embedded Earmarked Funded Projects (FPs 1, 2 & 3)
 - Validate scaling readiness in 4 RTB projects that form part of FPs 3 and 4)
- Indexation of RTB innovations and explore RTB's scaling readiness across the RTB portfolio
 - Joint initiative with PMU
 - Piloted on review of Scaling Fund Concept Notes



Opportunities: Cross-cutting linkages through Case Studies



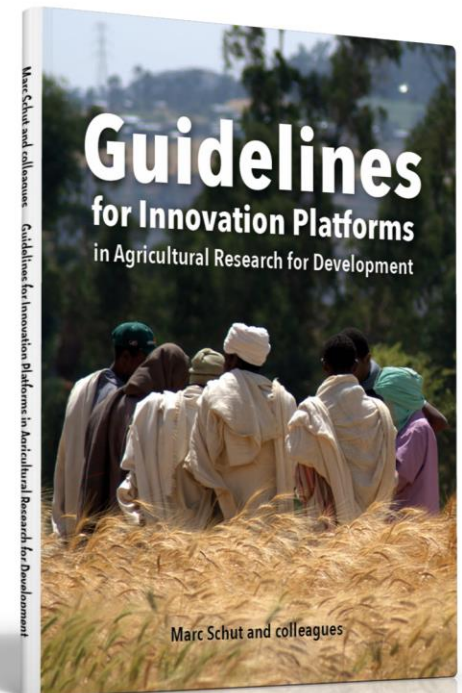
- CC5.1 – Ex-ante impact assessment of BXW control
- CC5.2 – Trade-off analyses for scaling of BXW control strategies
- CC5.3 – Understanding gender implications of BXW and its innovations
- CC5.4 – Support the development for scaling BXW control strategies (e.g. Single Disease Stem Removal)

Opportunities: resource mobilisation

- CIALCA (\$3M - IITA and Bioversity – ***approved yesterday***)
- BMZ (€1,2M - IITA, Bioversity, Leibniz Institute – under review)
- LEAP-Agri (CIRAD and IITA)
- 2 INSPIRE CGIAR Big Data Concept Notes (IITA, Bioversity, WUR)

Opportunities: Cross-CRP initiatives

- EVOCA citizen science and ICT program
- RICE-RTB Concept Note
- SPIA conference session “impact at scale” with PIM
- CoP “Impact at Scale” with CRP MAIZE
- Supported WLE in developing Sust Ag Syst Flagship
- Cross CRP/ CGIAR publications (e.g. IP Guidelines)



Opportunities: Partnerships and Visibility

- Transitioning partnerships for innovation and scaling into RTB
 - Exploring the potencial of innovation and scaling partnerships for RTB in 7 Countries
 - Led by WUR and CIRAD, implemented with CIP, CIAT, IITA and Bioversity
- Visibility and communication
 - Global Food Security Conference
 - Symposium
 - Special issue/ paper
 - High quality science outputs
 - (Social) media
 - Networking and advocacy





Challenges

- Building new teams and collaboration requires time
- Developing partnership agreements, contracts and subagreements also was a timely process
- Changes in key focal persons somehow delayed the work
- Expectations of FP5...
Leading or supporting the scaling of RTB innovations!?



Summarising

- Cluster Leaders taking initiative – adhering to the POWB
- Motivated scientist despite competing claims on time
- Successful joint resource mobilisation efforts by multiple FP5 CGIAR Centres to expand and increase coherence of the FP5 portfolio
- Excellent embedding of FP5 activities in other FPs (notably FPs 3 and 4)
- Glue between Clusters (cross cluster themes/ case studies and representation of scientists)
- Central role in developing and assessing Scaling Fund proposals
- Good visibility through joint publications, activities and communications such as RTB FP5 Symposium during the Global Food Security Conference in South Africa between 3-6 December 2017



3RD INTERNATIONAL CONFERENCE ON
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Thank you