

SIX STEPS

Reaching Out To Experts and Stakeholders for RTB Priorities

The **CGIAR Research Program on Roots, Tubers, and Bananas (RTB)** is conducting a strategic assessment of research priorities for bananas, plantains, cassavas, potatoes, sweetpotatoes and yams in order to identify where and how to focus the program's resources. The goal is to achieve the highest possible impacts on food security, nutrition and health, poverty reduction, gender equity and environmental sustainability. To do this, we are engaging scientists and stakeholders from across the global RTB community in a dialogue to increase the relevance and enhance the impacts of RTB research. This involves a dynamic, systematic and transparent approach that includes periodic revision and updating of research priorities. It is composed of six steps, which are not necessarily consecutive, but complement one another to define RTB priorities in a way that incorporates the most current data and information and engages a wide array of stakeholders from the global RTB community.

The six-step process comprises:

1. Mapping of agro-ecological zones, crop production, poverty and food security indicators in order to identify target areas where research is most needed.
2. Analysis of the key constraints for banana, plantain, cassava, potato, sweetpotato and yam production.
3. Identification of the most promising research options to address those constraints.
4. Quantification of impact model parameters.
5. Estimation of expected impacts under different adoption scenarios.
6. Communication of results to stakeholders and the general public.

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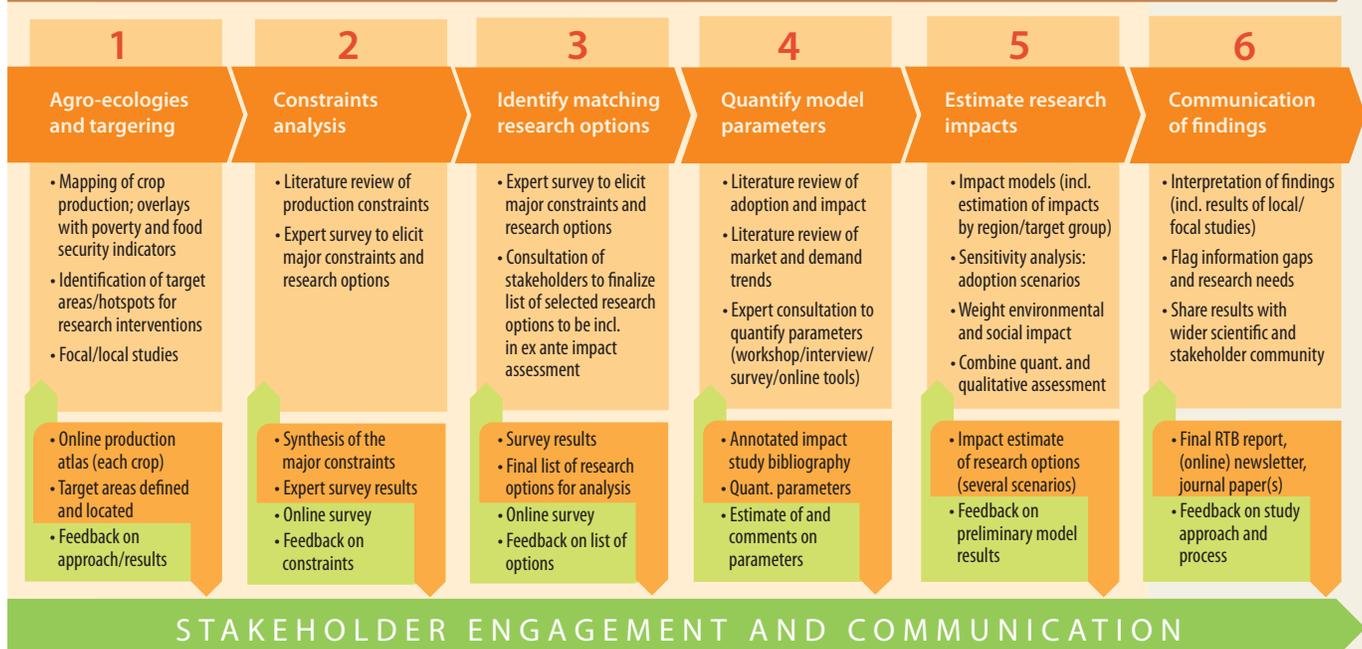
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Six Major Steps of the RTB Priority Setting Exercise



THE SIX-STEP PROCESS

1. Agro-ecologies and targeting

- Mapping of production and constraints to production with overlays of poverty and food security indicators
- Identify yield gaps across RTB production areas
- Identification of target areas/hotspots for research interventions
- Focal/local studies

2. Constraints analysis

- Literature review of production constraints
- Expert surveys to elicit major constraints and research options

3. Identify most promising research options

- Analysis of expert surveys on constraints and research options
- Stakeholder consultation to finalize the list of research options to be included in ex-ante impact assessment

4. Quantify model parameters

- Literature review of adoption and impact
- Literature review of market and demand trends
- Expert consultations to quantify parameters

5. Estimate research impacts

- Impact models: economic surplus, DALYs
- Sensitivity analysis: adoption scenarios
- Scoring for environmental, health and social impacts
- Weighing for food security and poverty impacts
- Combine qualitative and quantitative assessment

6. Communication of findings

- Interpretation of findings
- Flag information gaps and research needs
- Share results with wider scientific and stakeholder community

