

## Theme 7: Enhancing impact through partnerships

### PRODUCT LINE 7.1: Targeting and setting priorities

Next users:	CGIAR centers, NARS and local partners, Donors			
End users:	CGIAR Centers, NARS and local partners, Donors, international scientific community			
Expected impact:	Improved research relevance and definition of target groups and regions, improved focus on most vulnerable groups who can be reached with RTB, increased efficiency and returns to research investments, broader and deeper impact			
Products	Milestones	Outcomes	Target region & key countries	Key partners
7.1.1 Improved databases developed with baseline data on RTB production, consumption and trade with data at subnational level and for different relevant groups, including socio economic characterization of producers by income group, poverty and nutrition indicators, and gender	2012 Databases and procedures for updating data on RTB crops, disaggregated by cultivar types, geographic zones and vulnerable farmers' groups, are publicly available for use on priority setting and impact studies 2013: Significance of RTB in combined farming systems and gender-specific roles and functions in production, processing, marketing and consumption characterized	Enhanced and enriched publicly available databases are used to conduct priority setting and impact work on RT&B based on common and reliable data	All/Global	Bioversity, IITA, CIP, CIAT, FAOSTAT, CIRAD, World Bank, OECD, National Governments (Statistics and Ministries of Agriculture), Regional RTB networks, ProMusa
7.1.2 Identification of poverty and RTB production hotspots	2012 GIS-based information combining poverty/food security and crop data are developed for RTB 2013 Identification of homologue zones (similar agro-ecological zones)	Hotspots of food unsecure farmers who grow RT&B are identified for improved targeting of RTB R4D investments; Scaling up of impacts based on identification of similar agro-ecological zones and farmer groups	Global	Bioversity, CIAT, CIP, IITA, IFPRI, IIRRI
7.1.3 Participatory needs and opportunities analyses for MP RTB in hotspots	2011 Participatory needs and opportunities analysis validated in at least one region 2012 Central repository for baseline study data and household surveys, household panels in hotspots and priority areas identified for time series data collection 2012 Assessment of desirable traits of new RTB cultivars (producers/consumers consultation) in different regions	Opportunities identified along the value chain for improving livelihoods in RTB combined farming systems	Asia, LAC	Bioversity, CIP, CIAT, CIRAD, IFAD, Regional RTB networks, NARS

7.1.4 Strategic economic and geospatial analyses for targetting and priority setting	<p>2011 Indicators for assessing impacts on livelihoods and gender impacts established and feasibility tested; Priority setting methods for the RT&amp;B program are developed and agreed between Centers</p> <p>2012 Collaborative, network-based framework piloted for R&amp;D priority setting and ex ante impact to reach MDGs, with examples from new cultivars, pesticide reduction and improved techniques for RTB production</p>	RTB research scientists, donors and partners improve their capacity to set research priorities and target activities for accelerated reduction of poverty and enhanced gender equity	Global	Bioversity, IITA, CIP, CIAT, Regional RTB networks, NARS, ARIs
	<p>2013 Priorities established for geographic and thematic investments in all RTBs commodity programs and technological interventions in Africa, Asian and Latin America, based on assessment of potential impact</p>	RT&B research program increased relevance and efficiency of research to achieve desired goals		
7.1.5 Ex-ante impact assessment of crop and cultivar diversification and biofortification on reducing vitamin A deficiencies in RTB-dependent populations	<p>The deployment of new high-pVACs Musa varieties, and associated high Fe/Zn crops such as green leafy vegetables, in traditional farming systems will be evaluated and promoted.</p> <p>2011: Economic study to address a literature gap and identify factors along the value chain that enable or hinder widespread adoption and market introduction of pVACs-fortified varieties</p> <p>2012: Strengths and bottlenecks of existing banana value chains in target countries (Honduras, Uganda) examined</p> <p>2013: Effects of value chain interventions from the public and private sector in countries where new banana varieties were successfully introduced studied</p> <p>2014: Identification of best practices for policy planning to promote the fast uptake of the new varieties and associated crops in production/consumption system</p>	Faster integration of new high-pVAC Musa cultivars and associated crops into production systems leading to reduced burden of vitamin A deficiency	Honduras, Uganda	Bioversity, CIAT, IITA, HarvestPlus, CIALCA, NARS, private sector, public health sector
<b>R&amp;D PRODUCT LINE 7.2 Building effective partnerships</b>				
Next users:	CGIAR, NARS and Partners			
End users:	CGIAR, NARS and Partners			
Expected impact:	More strategic development, coordination and use of RTB learning resources with lessons learned leading to better quality activities and materials			

<b>Products</b>	<b>Milestones</b>	<b>Outcomes</b>	<b>Target region &amp; key countries</b>	<b>Key partners</b>
7.2.1 Participatory innovation learning alliance providing services and support in eg PIPA, Gender Analysis, Social Network Analysis, Stakeholder Analysis, PMCA, FFS, CIALs, peer assists and documentation	2011 Intercenter-planning meeting and online consultations with key partners to establish Learning Alliance and design implementation strategy	Partnerships and collaborative learning tools and activities strengthened	Global	CIAT, Bioversity, CIP, IITA, other partners
7.2.2 Musa network analysis and evaluation	2011 Strategies developed with country partners and other IARCs for improving regional and thematic Musa network effectiveness and sustainability to achieve MDGs	Regional Musa networks operate more effectively and have higher potential to achieve impact	LAC, SSA, AP	Bioversity, IITA, BAPNET, MUSACO, MUSALAC, BARNESA, ProMusa, MusaNet, other partners
<b>R&amp;D PRODUCT LINE 7.3 Communication and knowledge sharing</b>				
Next users:	NARS and other partners			
End users:	Universities, Governments, Donors, Farmers, NGOS, Trainers, Extension systems, School systems, Children, Families			
Expected impact:	Better/easier access, use, understanding and application of CGIAR and partner IPG learning resources with new knowledge and tools helping to improve nutrition, food security and incomes for millions of poor families globally			
<b>Products</b>	<b>Milestones</b>	<b>Outcomes</b>	<b>Target region &amp; key countries</b>	<b>Key partners</b>
7.3.1 RTB web portal	2011 Planning meeting to integrate RTB online resources from 4 centers with NARS and key partners 2012 RTB portal online, with information about RTB MP and space for partners interaction	Access to RTB MP information for donors and other stakeholders Partners interact more effectively and more frequently for project implementation	All	CIP, CIAT, Bioversity, IITA and key partners

7.3.2 Digital RTB knowledge resource centres	<p>2011 Strategy for electronic RTB knowledge resource centres implemented for at least 2 crops, based on improved understanding of user needs and resources, and making use of collaborative approaches</p> <p>2012 Thematic updating of RTB knowledge resource centres, making use of collaborative approaches and peer-review processes</p> <p>2013 Online RTB knowledge resource centres beta-tested and operationalized</p> <p>2013 Meetings of RTB centres with key NARS, regional networks and ARIs to develop protocols for designing and expanding knowledge resource centres with regional or national nodes and language-specific content</p> <p>2015 Global meeting of RTB MP centres and partners to assess progress, gaps and needs of RTB knowledge resource centres with <b>recommendations to guide future investments</b></p>	<p>Partners contribute to online RTB knowledge resource centres, ensuring the information is valid and up-to-date</p> <p>Users have easy access to and use validated (peer-reviewed) up-to-date information and knowledge on RTB</p>	Global	Bioversity, IITA, CIP, CIAT, BAPNET, MUSACO, MUSALAC, BARNESA, ProMusa, MusaNet, other partners
7.3.3 Alliances with international societies for the promotion of RTB	<p>2011 Alliance between ISHS (International Society for Horticultural Crops) and ProMusa strengthened</p> <p>2012 ISTRC (International Society for Tropical Root and Tuber Crops) with its active branches in Africa (ISTRC-AB), Asia (ISTRC-AsB) and Latin America (ISTRC-LAC) provides forum for information exchange between scientists, farmers, NGOs. Public and Private sectors, etc</p>	Efficient exchange of information, experience amongst RTB stakeholders	Global, Africa, Asia and LAC	IITA, CIP, CIAT, Bioversity, ISHS, ISTRC, public and private sectors
7.3.4. Thematic symposia	<p>2011 ISHS-ProMusa symposium on Bananas and Plantains: Toward sustainable global production and improved uses organized in Brazil</p> <p>2012 Proceedings of ISHS-ProMusa symposium published (Acta Horticulturae)</p> <p>2014 ISHS-ProMusa symposium organised as part of IHC, Australia</p> <p>2015 Proceedings of ISHS-ProMusa symposium published (Acta Horticulturae)</p>	RTB scientists exchange recent results and knowledge, and discuss RTB R4D scientific agenda	Global (with potential regional focus of specific symposia)	Bioversity, IITA, CIAT, BAPNET, MUSACO, MUSALAC, BARNESA, ProMusa, other partners

**R&D PRODUCT LINE 7.4 Capacity strengthening**

Next users:	NARS and other partners			
End users:	Universities, Governments, Donors, Farmers, NGOS, Trainers, Extension systems, School systems, Children, Families			
Expected impact:	Better/easier access, use, understanding and application of CGIAR and partner IPG learning resources for RTB with new knowledge and tools helping to improve nutrition, food security and incomes for millions of poor families globally			
<b>Products</b>	<b>Milestones</b>	<b>Outcomes</b>	<b>Target region &amp; key countries</b>	<b>Key partners</b>
7.4.1 Capacity and needs assessment tools	2012 MP RTB wide assessment of capacities and needs for research for development initiated 2013 RTB Capacities and Needs Assessment Report identifying existing research for development capacities and gaps among different sectors, crops, partners and regions	Well-focused MP3/RTB capacity strengthening activities and more attention and more appropriate focus on capacity needs by other organizations Partners use assessments to guide investments and strengthen research programs Lessons learned and technical analyses improve partner's RTB applied knowledge capacities and future investments	All/Global	Bioversity, CIP, CIAT, IITA and NARS
7.4.2 Capacity strengthening learning alliance providing services and support in eg development of course curricula, Web based courses, use of videos, social network analysis, use of social media and workshop facilitation	2011 Intercenter-planning meeting and online consultations with key partners to establish Learning Alliance and design implementation strategy 2011 Strategy Document Published with Steering Committee, Contacts List, and online Discussion group established 2012 Virtual platforms, share fairs and other events with next users and end users to exchange knowledge and lessons learned	Partnerships and collaborative learning tools and activities strengthened RTB Alliance able to better facilitate and share CS Support Services, Technical Assistance Materials and Participatory evaluation of learning	All/Global	CIAT, Bioversity, CIP and IITA with partners
7.4.3 Capacity strengthening research network	2012 Intercenter-planning meeting and online consultations with key partners to establish Research Alliance for CS and design implementation strategy 2012 Steering Committee, Specialists Data-base and online Discussion group established to facilitate dialogue, learning, project development and collaborative research products	Strengthened capacities of partners and centers to design and carry out capacity strengthening research	All/Global	CIP, CIAT, Bioversity, IITA

7.4.4 Enhancing effectiveness of capacity strengthening	2012 Intercenter priority setting meeting of CS Officers and other scientists with key partners to design collaborative RTB research pilot studies on CS 2013 Report identifying CS research priorities for RTB with 7 pilot studies initiated	2014 Pilot study research results identifying CS best practices and lessons learned used to improve new CS investments, training programs and learning resources	All/Global	CIP, Bioversity, CIAT, and IITA
7.4.5 Capacity strengthening M&E system	2011 Indicators for monitoring and evaluating capacity strengthening activities agreed and tested	CGIAR and RTB partners have increased capacity to collaboratively monitor, measure and evaluate capacity development investments to improve productivity effectiveness Quality control of RTB investments in CS delivery; All involved staff apply same tools and methods in their work and with partners	All/Global	CIP, CIAT, Bioversity, IITA and NARS
7.4.6 Online and blended training courses	2012 Intercenter priority setting meeting with key partners to identify most needed RTB courses to pilot and which regions to target 2012 Priority List identified with 4 key courses developed and piloted first year (using CGIAR Moodle online learning platform and digital learning materials from the Knowledge Bank of Learning Resources)	Partners and farmers benefit from new or repackaged knowledge better applied across all RTB themes in all regions (Africa, Asia and Latin America) Researchers up to date with current knowledge, tools and methods (Africa, Asia and Latin America) Colleges and universities, training NGO's and extension services adopt strategies to update and improve training and curricula More high quality research done by an increased number of skilled and experienced researchers capable of generating and using RTB knowledge	All/Global	CIAT, Bioversity, IITA and CIP

7.4.7 Quality Learning resources	2012 Intercenter agreement on priority themes, audiences and relevant formats for revised and new RTB learning resources 2014 Quality management and evaluation system established for RTB Learning Resources	Teaching and training organizations adopt CS strategies and incorporate current, relevant and contextual knowledge in curricula and learning resources for end users Contextually relevant learning resources result in improved knowledge and better application of science, innovations and production capacities for food/nutritional security of partners and end-users Improved learning resources facilitate better tools with new knowledge leading to improved food and nutritional security		CIAT, Bioversity, CIP and IITA
7.4.8 Professional and student fellowships	2011 Intercenter agreement on priority themes for student and professional support 2012 Cross cutting competitive fellowship scheme established to run for 4 years addressing priority research themes 2016 Evaluation study on results of fellowship scheme initiated	NARS professionals and new student generation trained in RTB Critical mass of RTB researchers established in each region and up to date with current knowledge, tools and methods	All/Global	Bioversity, CIP, CIAT and IITA
<b>R&amp;D PRODUCT LINE 7.5 Outcome and impact assessment</b>				
Next users:	CGIAR centers, Donors, Universities			
End users:	Donors, Universities, national partners			
Expected impact:	Scientific rigorous evidence that demonstrate the achievement of reducing poverty and improving food security for the most needed			
<b>Products</b>	<b>Milestones</b>	<b>Outcomes</b>	<b>Target region &amp; key countries</b>	<b>Key partners</b>
7.5.1 Shared methodology for impact assessment, with disaggregated poverty and gender impacts	2011 Development of shared methodology for impact assessment between participating centers to assess food security, poverty and gender impacts 2011 A set of 12 key impact studies to be developed within the time frame of the program identified and agreed between centers 2012 Baselines are defined for each of the selected impact studies	Centers produce impact studies using a common framework and objectives and share complementary resources as needed	Global	CIP, CIAT, Bioversity, IITA, ARIs, regional and national partners

7.5.2 Portfolio of ex post impact studies for RTBs using shared methodology	<p>2011 - 2016 At least one ex post impact study per crop is produced annually as part of the RTB program impact assessment strategy</p> <p>Banana:  2011 Impact of the introduction of FHIA21 in Dominican Republic on farmers livelihoods and lessons learnt for intensification of plantain production systems using a value chain approach  2012 Impact assessment of the International Musa Testing programme  2013 Impact assessment of the introduction of high-vitamin A Musa cultivars in vitamin-A deficient, banana-dependent communities in East Africa</p>	<p>Impacts of past research feeds the research strategy of the RTB to refine research objectives and demonstrate returns on past research investments</p> <p>The RTB program demonstrates the impact of its research activities on food security, poverty and gender issues</p>	Global	CIP, CIAT, Bioversity, IITA, ARIs, regional and national partners
7.5.3 Analysis of research processes and synthesis of lessons from success and failure	Comparative analysis cross-cutting between RTB crops of similar research projects e.g. genetic resources, sustainable seed systems, post harvest technologies.	Improved efficiency of research activity, higher cost effectiveness of research projects.		Bioversity, CIP, CIAT, IITA
7.5.4 New impact assessment methods for RTB research are developed and empirically tested	2014 New methods to assess economic, social and environmental impacts of RT&B research are developed, including impacts on food security, poverty and gender (e.g., extended cost-benefit analysis, randomized control trials)	New methods show rigorous evidence of the whole range of impacts of RT&B research on food security, poverty and gender issues and are beginning to be routinely used by centers	Global	Bioversity, CIP, CIAT, IITA, ARIs
	2011 Research capacity on new impact methods is strengthened in each Center	Centers strengthened capacity on new methods improves the rigour of impact studies developed with novel methods	Global	Bioversity, CIP, CIAT, IITA, ARIs