

SELECTED EXTERNAL PARTNERSHIPS IN 2017 (COMMON REPORTING INDICATOR C2)

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
A4NH	1	Global Alliance for Improved Nutrition (GAIN)	Collaboration on public-private partnerships.
A4NH	1	Power and Participation Research Centre (PPRC)	Collaboration on baseline policy narrative analysis.
A4NH	1	Students from local universities (5)	MSc small grant scheme grantees.
A4NH	2	SeedCo	To multiply and deliver vitamin A maize seeds.
A4NH	2	Nirmal Seeds	To multiply and deliver iron pearl millet seeds.
A4NH	2	World Vision	To deliver biofortified crops through WVI programs.
A4NH	2	World Food Program (WFP)	To include biofortified crops in programs, including Purchase for Progress and school feeding.
A4NH	2	PRAN	To generate a market for biofortified harvest.
A4NH	3	World Bank	Supporting situational analysis of food safety in Viet Nam; collaborating on two major food safety investment reports.
A4NH	3	Government of Cambodia	Major partner on new food safety project.
A4NH	3	East African Community (EAC)	Aflatoxin policies and advocacy.
A4NH	3	Partnership for Aflatoxin Control in Africa (PACA)	Advocacy and stewardship for aflatoxin mitigation.
A4NH	3	BAMTAARE SA	Manufacturing and distribution of Aflasafe SN01 in Senegal.
A4NH	4	Institute of Development Studies (IDS)	IDS co-leads CoA 4.2, leads one of the A4NH projects, and contributes to several research activities in the Flagship.
A4NH	4	University of Ghana	EVIDENT contact and lead on capacity review.
A4NH	4	North-West University	ANLP collaboration, planning proposal writing and resource mobilization, review of leadership capacity gaps.
A4NH	4	World Food Program (WFP)	Collaborated on development of concept notes and proposal for research on nutrition-sensitive programs.
A4NH	5	ICAR-National Institute of Veterinary Epidemiology & Disease Informatics (ICAR-NIVEDI)	By collaborating on the assessment of antimicrobial residues and resistance in dairy animals in India, ICAR-NIVEDI contributes to the field work and facilitates laboratory analyses. The findings of this research provide evidence on AMR and residues in dairy and help to design future projects and interventions.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
A4NH	5	University of Queensland	PhD student conducts and coordinates project activities in Viet Nam, applying a systems approach to livelihood-sensitive veterinary antimicrobial stewardship in family-farming communities.
A4NH	5	University of Nairobi, Department of Veterinary Services	Field work in Kenya, providing leadership on policy dialogue for the development of more effective vaccination strategies for Rift Valley fever.
A4NH	5	"Government of Kenya Zoonotic Disease Unit and County Governments"	Surveillance of zoonotic diseases in Kenya, with provision of access to national surveillance data and integration of project data to national recording.
A4NH	5	International laboratory collaborations (various)	Diagnostic backstopping in various countries (Netherlands, UK, France, USA), with reference testing for pathogen detection and whole genome sequencing.
CCAFS	1 & 2 & 3	Wageningen University and Research Centre	The CCAFS PMU was established at WUR and a number of areas of partnership were developed, including work on sustainable intensification of plant production in Sub-Saharan Africa, business models and financial incentives for CSA, biological nitrogen fixation for smallholders, and modelling of CCAFS scenarios.
CCAFS	2 & 4	Indian Council of Agricultural Research	"Development, validation and scaling up of climate resilient farming systems. Capacity development and policy engagement for scaling investments for CSA. Development of post-flood management strategy, including index-based flood insurance."
CCAFS	1 & 3	FAO	Research, capacity development and policy engagement. Included joint engagement in UNFCCC processes, scaling out CSA at the regional and global levels, elaborating agriculture components of the NAPs and emissions from the livestock sector.
CCAFS	3	Vietnamese Academy of Agricultural Sciences	Joint work on GIS, setting up pilots in provinces, and policy engagement at the national level.
CCAFS	4	Columbia University	"Scientific and partnership backstopping to the development of inclusive agricultural insurance products, including index-based insurance (piloting implementation in Honduras). Strategic and applied research, education, capacity building, and provision of forecasts and information products with an emphasis on practical and verifiable utility, and partnership. Participatory evaluation of CSA in different agro-ecological zones of SA. Installation and backstopping of ENACTS in national hydro-meteorological services (Ghana, Mali, Senegal), and yield forecasting with CRAFT."
CCAFS	1 & 2 & 4	Institut de l'Environnement et de Recherches Agricoles, Burkina Faso	Field-level testing of CSA options, and scaling up of efforts including through state funded programs.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
CCAFS	2	World Bank	Linking CCAFS research to World Bank CSA investments, and exploring opportunities to test innovative finance mechanisms for incentivizing CSA activities.
CCAFS	1 & 3	Ministerio de Agricultura y Desarrollo Rural (Colombia)	Formulation, coordination and adoption of the policies, plans, programs and projects for the Agricultural, Fisheries and Rural Development sector, including scaling up of climate actions in agriculture.
CCAFS	4	MARD (Vietnam)	Development of agro-climate zoning maps and training local partners on seasonal forecasting in Dien Bien and Ha Tinh provinces, and sharing national climate data for the last 40 years.
CCAFS	4	Agence Nationale de la Météorologie du Mali	Joint agro-meteorological analyses at project sites, capacitation of national hydro-meteorological services in data management and analysis, ENACTS, PICSA, and (with ICRISAT) the Joint Agro-Meteorological Business Services Incubator (JAMSi).
CCAFS	2	Centro Agronómico Tropical de Investigación y Enseñanza, Costa Rica	Field implementation, evaluation and promotion of CSA practices and implementing PICSA. Focus on gender and social inclusion.
CCAFS	1 & 2 & 3	WBCSD	Scientific inputs into the CSA program, including metrics for measuring CSA progress, prioritization at the regional level, soil carbon, and global policy engagement.
CCAFS	1 & 2 & 4	Council for Scientific and Industrial Research, Ghana	Design and implementation of activities that promote the translation of CSA actions into policies, and facilitation of stakeholder engagement in Ghana.
CCAFS	4	Agriculture Insurance Company of India Limited	Development and scaling out of insurance products and engagement with the Ministry of Agriculture, Farmers and Welfare.
CCAFS	4	Secretaría de Agricultura y Ganadería (Honduras)	Technical unit strengthened and positioned in the Secretaría de Agricultura y Ganadería and the agri-food sub-sector, with technical and methodological capabilities that contribute to the sustainability and resilience of the actors.
CCAFS	2	Rainforest Alliance	Incorporation of CCAFS climate science into the Rainforest Alliance voluntary certification scheme.
CCAFS	2	Root Capital	Integrating CSA approaches and exposure maps into decision-making by the Council on Smallholder Agricultural Finance responsible for approximately USD 750 million in annual lending to producer organizations.
CCAFS	1 & 2 & 3 & 4	IIRR	Piloting and implementing CSA technologies and practices in the Philippines and Myanmar, and scaling up best practices to the national level.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
CCAFS	4	Manobi Société Anonyme	Encapsulation of climate information and knowledge content generation inside business driven approaches utilizing the AIRMAP, BRISK and TARGET risk control modules of the agCelerant phygital value chain orchestration platform.
CCAFS	1 & 2 & 3 & 4	IFAD	Learning alliance for adaptation in agriculture, and joint efforts focused on climate-nutrition interface, scaling up private sector investments, gender transformative approaches, and South-South cooperation.
CCAFS	3	CARE	Research on gender transformative approaches within IFAD's Adaptation for Smallholders in Agriculture program, and joint communications and engagement based on results.
CCAFS	1 & 2 & 3 & 4	Philippine Federation of Rural Broadcasters	Develop radio campaigns for information dissemination and increased awareness on climate change and CSA in the Philippines.
CCAFS	1	CSA Youth Network	Jointly address issues relating to youth capacitation for CSA implementation and scale out.
CCAFS	3	Kenya Dairy Board	Supporting Kenya Dairy Board and State Department of Livestock in developing a dairy NAMA and for submission to the GCF.
CCAFS	1 & 3	GCF	Informing the GCF strategy for investing in transformative actions in agriculture.
CCAFS	1	Future Earth	Shaping the global initiative, the Food Water Energy Knowledge Action Network.
FISH	1	Roslin Institute	Genomics research for tilapia (Cluster 1).
FISH	1	Norwegian Veterinary Institute (NVI)	Fish health and TiLV assessments; development of epidemiological assessment tool (Cluster 2).
FISH	1	CEFAS	Microbiome and diagnostic tools for small-scale fish farmers (Cluster 2).
FISH	1	CSIRO	Novel feed ingredients for tilapia (Cluster 2).
FISH	1	CLAR, Egypt	Hosting of the Abbassa Aquaculture Research and Training Facility in Egypt.
FISH	1 & 2	Department/Ministries of Fisheries in Bangladesh, Cambodia, Egypt, Myanmar, Nigeria, Solomon Islands, Tanzania, Zambia	Scaling partners in focal countries for FP1 & FP2.
FISH	2	FAO	Hidden harvest research on SSF and fish in food systems research (Cluster 3). Policy development for fish in multifunctional landscapes (Cluster 2) and fish in food systems (Cluster 3).
FISH	2	Duke University	Analytical approach to Hidden harvest research (Cluster 3).
FISH	2	University of Wollongong	CBFM scaling pathways within the Pacific (Cluster 1).

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
FISH	2	TBTI network	Scaling partner for small-scale fisheries globally (Clusters 1-3).
FISH	2	Secretariat of the Pacific Community	Scaling partner for small-scale fisheries in the Pacific region.
FISH	2	University of Lancaster	Contribution to the FAO Food bank Database on nutritional values of marine fish (Cluster 1&2).
FTA	1	University of California, Davis and Mars	CoA 2 Domestication.
FTA	1	University of Copenhagen	CoA 3 Delivery Systems.
FTA	1	IUCN	CoA 1 Safeguarding and CoA 3 Delivery Systems.
FTA	1	World Vision Indonesia	Smallholder agroforestry systems for food security and livelihood enhancement; landscape restoration and Farmer Managed Natural Regeneration (FMNR).
FTA	1	Forestry and Environment Research, Development, and Innovation Agency, Indonesia	Developing and promoting market-based agroforestry options and integrated landscape management for smallholder forestry.
FTA	3	Netherlands Development Organization (SNV)	Inclusive business / inclusive finance.
FTA	3	Financial Alliance for Sustainable Trade (FAST)	Sustainable finance – engaging the financial sector.
FTA	3	USAID	Inclusive business and sustainable commodities.
FTA	4	Government of Indonesia	Policy partnership in implementing LUMENS in 34 provinces in Indonesia.
FTA	4	PROCAGICA, Central America	Coffee adaptation to roya and climatic change in Central America.
FTA	4	PT. Tirta Investama (Aqua Danone)	PES business case in Aqua-Danone site in Indonesia.
FTA	4	TMP Systems	Testing of performance-based finance in community forests (with 10 community forests).
FTA	4	University of Kisangani (UNIKIS) (DRC)	Forest ecology and resource use.
FTA	4	IRET (Gabon)	Forest ecology and resource use.
FTA	5	"Laboratory of Geo-Information Science and Remote Sensing, Wageningen University & Research"	"Part of CIFOR's Global Comparative Study on REDD+, partners contribute to research on Module 3 that focuses on measuring carbon emissions and determining forest and carbon reference levels, and works on the Monitoring, Measurement, Reporting and Verification (MMRV) of forests and carbon."
FTA	5	"Ministry of Agriculture and Rural Development (MARD) – Vietnam"	"Support for reviewing and evaluating the mobilization of financial resources for implementing the Vietnam Forestry Development Strategy period 2006–2020."
FTA	5	Governors' Climate and Forests Task Force (GCF)	"NGO Research collaboration on opportunities and challenges of subnational REDD+ and low-emissions development implementation, in particular with regard to jurisdictional scale approaches undertaken by GCF members."

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
FTA	5	"Universitas Muhammadiyah Palangkaraya"	Assessing bioenergy plantation potential on degraded land.
FTA	Gender CCT	Vi Agroforestry	"Knowledge sharing and advocacy: - Co-development and implementation of participatory-action research - Facilitation of co-learning and knowledge exchange - Knowledge dissemination and development of joint publications - Evidence-based advocacy on matters relating to governance of forest and tree- based landscapes - Sharing of best practices with regard to M&E."
Livestock	1	University of Edinburgh	Bioinformatics, genome association data analysis of cattle, health genetics.
Livestock	1	University of Nottingham	Data analysis by PhD students.
Livestock	1	University of New England	Selection of markers and data analysis.
Livestock	1	Wageningen University and Research Centre	Development of analytical tools/models for environmental suitability maps in chicken.
Livestock	2	University of Washington	Access to novel artificial virus-like particle technology in support of vaccine development studies.
Livestock	2	GALVmed	Making improvements to the live ITM vaccine for ECF.
Livestock	2	Federal Ministry of Food and Agriculture (Germany)	Diagnostic and vaccine development.
Livestock	2	University of Copenhagen	Immunology.
Livestock	2	J. Craig Venter Institute	Mycoplasma research and genomics.
Livestock	3	Corporación Colombiana de Investigación Agropecuaria (CORPOICA)	Evaluation of forage materials.
Livestock	3	ACDI-VOCA	Providing a link between farmers, the private sector and CGIAR centres.
Livestock	5	IFPRI	Joint foresight impact monitoring, gender (WELI, WEAI and associated tools).
Livestock	5	Emory University	Nutrition, diets, gender and social behaviour change.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
Livestock	5	Ethiopian Institute of Agricultural Research (EIAR), Amhara Region Agricultural Research Institute, Southern Agricultural Research Institute, Oromia Agricultural Research Institute, Tigray Agricultural Research Institute	EIAR coordinates sheep and goat research nationally and was responsible for aligning objectives of the IFAD funded SmART project with the national strategy; the regional centres were responsible for implementation of agreed project activities in the seven value chain sites in Ethiopia and supported the project with staff time and facilities of the designated local research centres.
Livestock	5	Heifer International	Dairy value chain, East Africa.
Livestock	5	Technoserve	Dairy value chain and business models, East Africa.
Maize	1	University of Minnesota	Foresight work.
Maize	1	Wageningen UR	Systems characterization and systems trajectories, synergies and trade-off analysis.
Maize	1	KIT	Gender and development work.
Maize	1	Oak Ridge National Laboratory (ORNL)	Big Data.
Maize	2	Cornell University	High-density genotyping-by-sequencing (GBS), and genomic selection.
Maize	2	University of Hohenheim	R4D on haploid inducers and DH technology.
Maize	2	IBP, DArT and JHI	Database management, medium-density GBS, and breeding informatics.
Maize	2	University of Barcelona	Field-based phenotyping.
Maize	2	Monsanto, Pioneer, KALRO	Maize transgenic testing under CFTs and stewardship implementation.
Maize	3	wide array of NARES, seed companies and NGOs	Germplasm development and multi-location testing in SSA, LA and Asia.
Maize	3	KALRO and ARC	Elite germplasm for product development.
Maize	3	Purdue University	Diverse yellow/orange maize germplasm for provitamin A enrichment.
Maize	4	Public Sector- NARES	Adaptive research.
Maize	4	IIASA	Co-invention of technologies.
PIM	1	Oxford University	Foresight modeling: Expertise on nutrition and health modeling links in the IMPACT model..
PIM	1	APAARI	ASTI: Leading capacity strengthening and data collection on agricultural R&D indicators in Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Papua New Guinea, Philippines, Thailand, Timor Leste, and Vietnam.
PIM	1	Cambodia Development Research Institute	Evaluation of IFAD ASPIRE program in Cambodia: research and field support.
PIM	1	Ministry of Agriculture, Forestry, and Fisheries (Cambodia)	Evaluation of IFAD ASPIRE program in Cambodia: Developed extension messages and direct called farmers with those messages; taking up the results.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
PIM	1	Viamo Mobile	Evaluation of IFAD ASPIRE program in Cambodia. Developed extension messages and direct called farmers with those messages; project support.
PIM	1	Paris School of Economics	Randomized controlled trial on voluntary farmer trainers in Uganda: leading quantitative data collection.
PIM	1	Makerere University, Uganda	Randomized controlled trial on voluntary farmer trainers in Uganda: leading qualitative data collection.
PIM	1	Heifer International	Randomized controlled trial on voluntary farmer trainers in Uganda: leading the East African Dairy Development Project.
PIM	1	Namwendwa, Buvende, Kagulu and Balawoli Dairy Cooperative Societies	Randomized controlled trial on voluntary farmer trainers in Uganda: supervising volunteer farmer trainers.
PIM	1	Digital Green	Evaluation of video-based extension in Ethiopia: provider of video-based extension and partner in the evaluation.
PIM	1	Ethiopian Ministry of Agriculture and Natural Resources	Evaluation of video-based extension in Ethiopia: scaling up the method and partner in the evaluation.
PIM	2	Food and Agriculture Organization	FAO's MAFAP is a partner in a series of policy-oriented research studies, and FAO's Special Program on Youth Employment in Africa team collaborates with PIM on the forthcoming book "Youth and Jobs in Rural Africa".
PIM	2	Michigan State University	Co-leader of Flagship 2; key research partner; co-responsible for many outputs on land dynamics and political economy.
PIM	2	International Fund for Agricultural Development	Development and use of the Rural Investment and Policy Analysis (RIAPA) tool.
PIM	2	Agricultural Engineering Services Directorate, Ministry of Food and Agriculture, Ghana	Facilitates policy dialogues and dissemination of research findings on mechanization in Ghana. Staff from the ministry served as panelist at the South-South knowledge sharing event on agricultural mechanization.
PIM	2	Engineering and Mechanization Division, Federal Ministry of Agriculture and Rural Development, Nigeria	Facilitates policy dialogues and dissemination of research findings on mechanization in Nigeria. Staff from the ministry served as panelist at the South-South knowledge sharing event on agricultural mechanization.
PIM	2	Economic and Social Research Foundation, Tanzania	International Growth Center (IGC) project in Tanzania: Co-PI.
PIM	2	Small Industries Development Organization Tanzania	IGC project in Tanzania: Implementation partner (providing support on the survey design and sampling for the MSME survey).

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
PIM	2	National Microfinance Bank, Tanzania	IGC project in Tanzania: Implementation partner (implementing the proposed loan product).
PIM	3	Food and Agriculture Organization	Each international organization involved in the Ag-incentives Consortium provides data and contributes to developing a joint methodology to produce key distortion indicators, disseminated through the Consortium's website.
PIM	3	Inter-American Development Bank	Each international organization involved in the Ag-incentives Consortium provides data and contributes to developing a joint methodology to produce key distortion indicators, disseminated through the Consortium's website.
PIM	3	OECD	Each international organization involved in the Ag-incentives Consortium provides data and contributes to developing a joint methodology to produce key distortion indicators, disseminated through the Consortium's website.
PIM	3	The World Bank	Each international organization involved in the Ag-incentives Consortium provides data and contributes to developing a joint methodology to produce key distortion indicators, disseminated through the Consortium's website.
PIM	3	Comité permanent inter-Etats de lutte contre la sécheresse dans le Sahel (CILSS)	Collects data on formal and informal trade in West Africa. IFPRI-PIM partners with CILSS on data analysis and research and assist with extending official government use of CILSS data.
PIM	3	Swisscontact	User of the LINK methodology, especially to incorporate enhanced attention to women's empowerment in operations.
PIM	3	Wageningen University and Research	Co-leader of Flagship 3 and implementer of three studies on innovations to strengthen value chains.
PIM	3	Groupe de Recherche d'Echanges Technologiques (GRET), Federation de ONG de Senegal (FONGS), National Smallholder Farmer Association of Malawi (NASFAM)	Partnership on scaling the Brazilian Fomento model and effects of cash transfers on crop production in Malawi and Senegal. GRET helped to design the extension materials, while FONGS and NASFAM were local implementing partners who managed the extension interventions.
PIM	4	Institute of Development Studies	Research partner on mixed methods evaluations of the PSNP4 and UNICEF Integrated Nutrition and Social Cash Transfer projects in Ethiopia. For each project, IDS led the qualitative assessment and IFPRI led the quantitative component of the impact evaluation.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
PIM	4	Cornell University	IFPRI maintains an active academic partnership with Cornell University on research related to the Transfer Modality Research Initiative (TMRI) in Bangladesh. Researchers from both organizations co-authored several papers in 2017, and will continue to jointly develop new research in coming years.
PIM	4	Government of Mali	The Government of Mali has designed its national cash transfer program in collaboration with IFPRI, drawing on IFPRI's guidance for the location and timing of the various program components' roll-out.
PIM	4	Government of Egypt	IFPRI is conducting an impact evaluation of Egypt's Takaful and Karama cash transfer program. The Government of Egypt will use the findings to improve the scaling up of the program.
PIM	4	HDFC ERGO General Insurance, Ltd.	IFPRI is developing, testing, and evaluating picture-based insurance products together with HDFC. HDFC advises on product development and offers insurance policies as part of the pilot.
PIM	4	CABI	Collaboration to test for potential business model integration of two smart phone applications, on insurance (IFPRI-led) and advisory services (CABI-led).
PIM	5	International Land Coalition	Scales up the use of Collaborating for Resilience approaches through 22 National Engagement Strategies.
PIM	5	International Fund for Agricultural Development	Joint projects with ILRI on rangeland tenure in Tanzania and Ethiopia. Research in 6 countries on forest rights devolution under the Global Comparative Study on Tenure. Collaboration on Tunisian rangelands.
PIM	5	African Land Policy Centre	Uses PIM's tenure research to develop a framework for the Monitoring and Evaluation of Land in Africa (MELA) project.
PIM	5	Foundation for Ecological Security	"Pilots collective action games as an intervention to strengthen collective governance of surface water, groundwater, and forests (with ICRISAT and IFPRI). Applies principles of Collaborating for Resilience (with WorldFish). Applies Netmapping tools to polycentric governance of the commons."
PIM	5	National Council for Protected Areas, Guatemala	Provision of science-based evidence (Bioversity/CIFOR) for government deliberation on renewal of community concession contracts.
PIM	6	The World Bank	Research collaborator on various activities, e.g. on developing methods for collecting time allocation data.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
PIM	6	Kakira Sugar Company	Main implementing partner for the Farm and Family Balance project. One of the goals of this project is to increase female involvement among Kakira Sugar Company's outgrowers.
PIM	6	Tropical Bank	Tropical Bank is providing the required bank accounts for the women outgrowers involved in the Farm and Family Balance project.
PIM	6	KIT	Serves as coordinator for the CGIAR Collaborative Platform for Gender Research.
PIM	6	Pennsylvania State University	Leader of the Post-Doc Fellow capacity development activities under the Gender Platform.
Rice	1	Sarmap	Satellite-based Rice Monitoring.
Rice	1	Cornell University and Makerere University	"Capacity building Design, Analysis and Communicating results GREAT - Gender -responsive Researchers Equipped for Agricultural Transformation ".
Rice	1	NARES, Small Medium Enterprises, Women processors, Farmers,	Seed production, capacity building.
Rice	1	Graduate Institute of Geneva, University of Illinois (USA), University of Saskatchewan (Canada);	Adoption and impact assessment of rice technologies.
Rice	1	ECOWAS	Development of investment plans.
Rice	2	University of Parakou, Benin; Institut national des recherches agricoles du Benin; National Cereals Research Institute, Nigeria; Nassarawa Agricultural Development Program; Kano Agric. & Rural Dev. Authority ; Nat. Agricultural Ext. Research & Liaison Services; Centre National de Recherche Agronomique, Cote d'Ivoire	"Market and value chain research Improved postharvest systems".
Rice	2	ARI Ilonga (Tanzania) / Afril (Uganda); CARI; Value chain actors	Policy and development.
Rice	2	TRIMBLE	Promotion of laser leveling.
Rice	2	LEHNER	Piloting precision application technologies.
Rice	2	Institute of Food Research and Product Development, Kasetsart University	Collaborative research on Kuai chap processing and pop-rice technology.
Rice	3	Africa-wide Agronomy Task Force	Introduction and validation of technologies in sub-Saharan African countries.
Rice	3	SPAD	Development of sustainable farming systems in highlands in Madagascar.
Rice	3	Sustainable Rice Platform	joint research and outscaling.
Rice	3	Direct Seeded Rice Consortium	joint research.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
Rice	3	Irrigated Rice Research Consortium	joint research and outscaling.
Rice	4	Disease testing network	Disease testing (incidence, severity, effectiveness of resistance genes).
Rice	4	IGSS / HTPG platforms	Genotyping/Sequencing.
Rice	4	4 sites in India	Generated data from array sites.
Rice	4	Universidad Javeriana	Phenotyping tools using drones and fixed stations.
Rice	4	Embrapa, CCAFS, European Commission	Database on modeling exercises in LAC.
Rice	5	Texas Tech University	Drought molecular Genetics.
Rice	5	Fedearroz-Colombia	Rice breeding and tech. delivery.
Rice	5	CIAT-Bolivia, DICTA- Guatemala, INTA-Nicaragua, IDIAP-Panamá	Evaluation of elites lines for nutritional values.
Rice	5	NIAS-Japan; University of Adelaide-Australia	Genetic transformation.
Rice	2 & 3 & 4 & 5	FOFIFA (Centre National de Recherche appliquée au Développement Rural, Madagascar)	Development, evaluation, and dissemination of new rice knowledge and technologies.
RTB	1 & 2 & 4	Natural Resources Institute	Development of gender-aware user-preferred product profiles for RTB breeding under the RTBFoods project taking into account, food science and economic considerations as well. Methods to be shared widely with RTB Breeding teams as appropriate.
RTB	1	Intertek Lab	The High throughput genotyping platform (HTPG) is a genotyping project. The service is provided by Intertek Lab which became operational in 2017 and offers high-throughput single-plex SNP assay for forward breeding (marker-assisted selection) at competitive rates.
RTB	1	Cornell University	Genomic Open-source Breeding Informatics Initiative (GOBII) is a system-wide initiative composed of computational infrastructure and analysis pipelines designed for breeders serving smallholders in the developing world to apply high density genomic information in cultivar development to increase the rate of genetic gain delivered to farmers. Members of the DI1.2 cluster collaborate closely with GOBII to ensure that the 'omics' tools developed in the project are available for use in breeding programs.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
RTB	1	Donald Danforth Plant Science Center, USA	DDPSC leads the development of virus resistant cassava in SSA (VIRCA project). The technology, the partners, and the studies needed to obtain commercial approval are very similar to those future GCT products lead by RTB centers. Hence, we have established a partnership to harmonize our strategies to develop regulatory studies, solving stewardship issues, and interactions with regulatory and biosafety authorities.
RTB	2	University of Florida	Development of biophysical tools and tools linking biophysical and socio-economic components of RTB seed systems: impact network analysis, degeneration models, and management performance mapping.
RTB	2	County governments, Kenya	Capacity building of diverse institutions developed into partnerships, supporting RBM approach that emphasizes partnerships to drive the theory of change. In Kenya, county governments and NGOs lead activities on the ground. Through these partnerships, CIP has access to the wide-spread networks of county government and NGO officers situated to reach dispersed farming communities enabling wide scaling-out of technologies and innovations. A case supporting the partnership model whereby a central center provides technical backstopping and communications support, handing over implementation to partners.
RTB	2	"Stokman Rozen, Kenya Genetics technologies international Limited, Kenya"	Private sector partnerships continue to develop to contribute to seed potato production through technical backstopping, and jointly attending several agricultural trade shows and field days. The main opportunity to address is increasing market opportunities for apical cuttings to shift from the initial project support to market demand sustaining private sector investment and production. Extending the model to smaller-scale producers is being piloted. This will inform seed business models targeting differing profiles of entrepreneur.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
RTB	2	Borlaugh Vision	Intensification of potato in rice fallow in North West Bengal. A baseline survey of 120 households was conducted to study and document the cropping systems and socio-economic conditions of farmers in North Bengal to bring rice fallow under potato in lowland, mid-hill and uplands. More than 1100 farmers trained on improved potato production practices and double transplanting of boro rice to bring non-traditional area under potato.
RTB	2	North Carolina State University	In collaboration with the North Carolina State University we are developing new tools and mapping populations for sweetpotato. Worth noting the Beauregard x Tanzania 6x mapping population and M9 x M19 2x mapping population are hold in trust at CIP's genebank in Lima (about 100 genotypes / breeding material) and these populations became very important in research and development across countries.
RTB	2	University of Canberra	In collaboration with the Diversity Arrays Technology at the University of Canberra, Australia we are searching for DArT marker associations with sweetpotato virus disease resistance (SPVD) and its components sweetpotato chlorotic stunt virus (SPCSV) and sweetpotato feathery mottle virus (SPFMV). Worth noting DArT marker are so far the only fast through-put marker system available for sweetpotato and this system is also used through this collaboration by CIP's genebank for checking genotypes true to identity and phylogenetic relationships.
RTB	3	University of Wisconsin - Madison	A collaboration has been made possible between UoW-M, CIP and IITA through a project funded by BMGF on Next generation phytosanitation. UoW-M is developing in this project a microfluidic molecular pathogen detection system based on isothermal amplification that can be used in the field. It will be loaded with targets for major potato, sweetpotato, yam and banana viruses. If validated the tool can be applied for international phytosanitation, surveillance and monitoring or quality control in seed systems. UoW-M brings in expertise on diagnostic hardware development that we were completely lacking and which can be complementary to other tools developed in this cluster.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
RTB	3	National Root Crops Research Institute (NRCRI), Nigeria	Collaboration in ACAI project, stepwise acquisition of responsibility for the activities conducted by the development partners on Cassava fertilizer recommendations, best planting practices, scheduled planting and harvesting and intercropping.
RTB	3	University of Cornell (GREAT)	Collaboration with BMGF Gender-Responsive Researchers Equipped for Agricultural Transformation (GREAT) project to use tools and study designs to assess the household and community variety preference choices. To our members, L Nkangala and A Bonaventure Aman, are serving as advisory board members.
RTB	3	General Directorate of Agriculture (GDA), Cambodia	To tackle emerging cassava mosaic disease issue in the country, GDA and CIAT had an enthusiastic collaboration in 2017 including hands-on field survey training and development of mitigation plan for CMD outbreaks.
RTB	3	Penn State University, USA	Artificial intelligence for smartphone-based cassava disease and pest damage identification.
RTB	4	Kwame Nkrumah University of Science and Technology (KNUST), Ghana	The main activities involve quality evaluation of the physico-chemical, functional and sensory characteristics, and the consumer acceptability of boiled/pounded yam made from selected yam varieties. Starch extraction and functional properties have been completed.
RTB	4	"NAZYA Foods Plot 23280, PHI, Lusaka, Zambia"	Received training on production of High quality cassava flour (HQCF) and the company is also collecting HQCF from IITA- Cassava processing center operated by the IITA-Zambia Youth Agripreneurs. The company has their products all over supermarkets in Lusaka.
RTB	4	Forum for Agricultural Research in Africa (FARA)	Within the framework of the Building Nutritious Food Baskets (BNFB) Project, collaboration with FARA allowed for better policy engagement and advocacy at regional level.
RTB	4	Natural Resources Institute, UK	Partnership with NRI is contributing to: 1) the assessment of the energy efficiency of a small-scale cassava flash dryer; 2) the analysis of the correlations between physicochemical and textural characteristics, sensory attributes and consumption patterns of traditional cassava products in Tanzania.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
RTB	5	Department of Agricultural and Applied Economics, Virginia Tech	Major role in developing the ISPC paper and the position paper on rural transformation; M.Sc. thesis on adoption of potato varieties in Peru approved; partners in GeneBank and C88 impact studies (draft papers).
RTB	5	Michigan State University	Leading role and major collaborator in the SIAC project; collaborator for the rural transformation study.
RTB	5	Swedish University of Agricultural Sciences	Leading role major collaborator in the consumer/market studies of biofortified sweetpotato.
RTB	5	"Cornell University, USA, Makerere University, Uganda"	RTB collaborated with the Gender-responsive Researchers Equipped for Agricultural Transformation (GREAT) project to build capacity of researchers within RTB to integrate gender into research and analysis. Additionally, the gender team collaborated with others within centers to integrate gender into development of training modules.
RTB	5	Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Germany	Developing and testing ICT tools to support scaling of BXW control and prevention strategies using GIS and Social Network Analysis.
Wheat	1	InSTePP at UMN	Research
Wheat	1	Wageningen Economic Research (WEcR)	Research
Wheat	1 & 3	Wageningen University – Food Quality and Design	Research
Wheat	1	Wageningen Environmental Research (WEnR)	Research, research data and services development.
Wheat	1 & 3	Johns Hopkins University, USA	Research
Wheat	1	CAAS, China, Beijing	Joint labs, staff and research.
Wheat	1	PEP, Kenya, Nairobi	Research
Wheat	1	Hohenheim University, Stuttgart, Germany	Research
Wheat	1	University of Florida	Research
Wheat	1	University of Central Asia Kyrgyzstan, Tajik Agricultural Academy of Sciences, The Scientific Research Institute of Agricultural Economics	Adoption and Impact Study in 3 countries, Central Asia.
Wheat	1	University of Jordan, University of Natural Resources and Life Sciences (BOKU), University of Waterloo, Canada, University of Western Ontario, Canada	Co-advising PhD / MSc students.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
Wheat	1	INRA, Morocco, ARC, Egypt, ARARI, Ethiopia	Capacity building, data collection, analysis, publications.
Wheat	2	DowDuPont, now Corteva AgriScience	Gene Editing.
Wheat	2	FFAR, USA	Gene discovery (starting with maize).
Wheat	3.2	Jiangsu Academy of Agricultural Sciences, China	Association mapping for FHB and blast.
Wheat	3.2 & 3.3	Chinese Academy of Agricultural Sciences, China	QTL mapping for FHB and blast screening.
Wheat	3.4	Field Crop Development Centre, Alberta, Canada	Germplasm and information exchange for FHB, YR and scald.
Wheat	3.4	USDA-ARS and Kansas State University, USA	Wheat blast screening in greenhouse in the USA.
Wheat	3.4	CAPECO, Paraguay	Wheat blast screening in Paraguay.
Wheat	3.2 & 3.3	Norwegian University of Life Sciences	Genetics of wheat resistance to Septoria nodorum blotch.
Wheat	2	John Hutton Institute, UK	Genotypic / phenotypic data visualization platforms; public data warehouses.
Wheat	2	BISA, AARI-Pak, ICAR-India, Kansas State Univ., EIAR (ET)	Genomic selection, combined GS-HTPTS prediction; testing heat tolerance.
Wheat	2	ORNL-US, TGAC-UK, GOBII (Cornell),	Genotypic data analysis, computing power, data storage and integration.
Wheat	2	JIRCAS, other CRPs	High BNI wheat, BNI Consortium.
Wheat	2 & 3	NIAB (National Institute of Agricultural Botany), JHI (The James Hutton Institute) and EI (Earlham Institute), all partners from UK.	BBSRC project: UK-Seed Data Analysis Infrastructure.
Wheat	3	INIA Uruguay, INRA Morocco, IRESA/INAT Tunisia, INIA Bolivia	Maintain precision phenotyping platforms; field research.
Wheat	3	Moroccan miller federation (FNM)	Validation of new bread-making tests.
Wheat	2 & 3	NIAB, IRTA	Germplasm exchange.
Wheat	3	Philippe Lonnet (Florimond-desprez)	Germplasm exchange.
Wheat	3	"Kansas State University, Rothamsted, CSIRO, BIMBO, CNR, Wheat Initiative EWG Quality, Quadram Institute"	Wheat quality research.
Wheat	3	University of Nebraska, Lincoln, USA, Texas A&M University, University of Nebraska, Lincoln, USA	Discovery of novel genes and their markers for fertility restoration.
Wheat	3	Syngenta Inc.	Hybrid wheat technology development.
Wheat	3	Murdoch University	Wheat quality.
Wheat	3	Agriculture and Agrifood Canada (AAFC)	Wheat disease resistance.
Wheat	3	CAAS and other 20 Chinese institutes	Adaptation, scaling out.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
Wheat	4	Amio	Developing machinery, Scaling up through commercialization.
Wheat	4	METEC, EIAR, MoA (Ethiopia)	Developing machinery, commercialization.
Wheat	4	GIZ	Developing machinery based on FACASI outputs. Scaling up these pieces equipment through commercialization.
Wheat	4	Wageningen U, Yale U, U of British Columbia	Work on agroforestry and on nutrition in wheat-based systems, nexus soil fertility-grain nutritional quality.
Wheat	4.4	PPPlab, a consortium of SNV, CDI, Erasmus University and Aqua4All	Development, testing and improvement of scaling tool.
Wheat	4	CINVESTAV	Soil ecology research.
Wheat	4	UN University Dresden, Germany	SI based soil and crop management practices on soil water and carbon dynamics.
Wheat	4	Kyoto University, Japan	Terrestrial carbon sequestration and nutrient release.
Wheat	4	Wageningen University & Research, The Netherlands	Farming Systems Analysis and Systems modelling.
Wheat	4	International Plant Nutrition Institute (IPNI)	Scaling precision nutrient management.
Wheat	4	BISA, India	Strategic research G x E x M interactions, Water-Energy-Food nexus.
Wheat	4	ICAR/NARS	Long-term research on CA based SI.
Wheat	4	TAAS, NAAS	Policy level engagement.
Wheat	4	Department of Agriculture of the state Governments in India	Scaling.
WLE	1 & 2 & 3 & 4	The World Bank	FP1: Guidelines for incorporation of soil spectral testing in the World Bank Living Standards Measurement Study, piloted in Ethiopia and Uganda. FP2: Irrigation Benchmarking FP3:Water sanitation program FP4: incorporating VCR results into WB guidance.
WLE	1	United Nations Convention to Combat Desertification (UNCCD)	WLE (ICRAF) membership of UNCCD Committee on Science and Technology – support to target setting for LDN.
WLE	1	AFR100 and 20x20 Initiative	Engagement in policy dialogue around land restoration; guiding, supporting and influencing the decision making process.
WLE	1	Sustainable Land Management Project (SLMP), Ethiopia	Piloting and scaling of successful land restoration practices co-developed by WLE in Ethiopia.
WLE	1	One Acre Fund	WLE's Soil and plant analysis support in One Acre Fund's on-farm trials in Kenya to guide fertilizer and liming recommendations.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
WLE	1	The Center Foundation for Research in Sustainable Agricultural Production Systems (CIPAV), The Amazonian scientific research institute (SINCHI), Asociacion de Universidades Amazonicas (UNAMAZ)	Implementing partner on land restoration within the Sustainable Amazonian Landscapes Program in Peru and Colombia.
WLE	1 & 2	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	"Joint work to share project results with stakeholders, policy makers. Partnerships with the GIZ Soil Protection and Rehabilitation for Food Security Program: Piloting of soil fertility and soil carbon enhancing technologies in Benin, Burkina Faso, Ethiopia, Kenya and India".
WLE	2	Australian National University (ANU)	Leadership on projects, beneficiaries, out scaling.
WLE	2	Commonwealth Scientific and Industrial Research Organization (CSIRO)	Joint work in Zimbabwe, and providing support to research teams in Tanzania and Mozambique with regards to innovation platforms.
WLE	2	Australian Center for International Agricultural Research (ACIAR)	Government partner that identifies key policy-relevant questions; provides entry to officials and irrigation projects.
WLE	2	International Fund for Agricultural Development (IFAD); European Commission (EC)	Financial and technical support provided through 'WLE in Africa' initiative on Agricultural Water management in Africa, and Flood Based Farming systems in selected countries in Africa and Asia.
WLE	2	International Commission on Irrigation and Drainage (ICID)	Partner in Irrigation Benchmarking, irrigation asset management; convenor of ICID congress.
WLE	2	Institut d'Economie Rurale (IER)	Watershed management.
WLE	2	Ethiopian Institute of Agricultural Research (EIAR), Bahir Dar University (BDU); University of Dar Es Salaam Mwalimu Nyerere (UDSM)	Research partners.
WLE	3	Laurier University - Center for Food Systems (CSFS)	Partners with RUAF on city region food systems management.
WLE	3	Local Governments for Sustainability (ICLEI)	Collaboration on Urban Food Forum and the CITYFOOD network.
WLE	3	Bill and Melinda Gates Foundation (BMGF)	Support to RRR Public private partnership initiatives.
WLE	3	World Health Organization (WHO)	WLE staff serve on various WHO expert groups.
WLE	3	Jekora ventures ltd (JVL)	Jekora works with WLE projects in Ghana developing Fortifier plants.
WLE	3	International Centre for Water Management Services (CEWAS)	Partnership on curricula building for RRR business models.
WLE	4	LeHigh university, University of Illinois at Urbana; Duke University	Joint development of research.

CRP	FP	NAME OF PARTNER	MAIN AREA OF PARTNERSHIP
WLE	4	Agency Insurance Company India (AICI); Swiss Re insurance company	Index Based Flood Insurance partners.
WLE	4	Indian Centre for Agricultural Research (ICAR)	Support to flood and drought monitoring research in India.
WLE	4	Food Energy and Environment Water Network (FE2W); Future Earth's Knowledge-Action Network on Water Energy Food Nexus; International Science Council	Co-development of tools and piloting for wider application and uptake.
WLE	4	Asian Development Bank (ADB)	Development of tools for incorporation into ADB guidance.
WLE	4	Ethiopian Ministry of Water, Irrigation and Energy	Capacity building on energy systems modeling.
WLE	4	Nile, Niger, Volta Basin Authorities; Mekong River Commission	Key partners on uptake across the portfolio.
WLE	5	Department of Foreign Affairs and Trade, Australia (DFAT)	Ongoing support to regional water governance in the Mekong, focusing on bringing research into policy and development.
WLE	5	Centre for Development Research (ZEF), University of Bonn	Partner on decision support, both on bilateral projects and in redevelopment of Flagship 5.
WLE	5	The Nature Conservancy (TNC)	Leads BRIDGE collaborative.
WLE	5	Kings College London (KCL), Hubbard Decision Research	Decision support tools.
WLE	5	Wageningen University	Leading farming systems modeling work for sustainable agriculture diversification and nutrition.
WLE	5	Université de Ouagadougou (UdO)	Leading research on water quality; Leading piloting of low cost social and environmental monitoring tools; Leading work to scale up monitoring tool uptake.
WLE	5	Netherlands Development Organisation (SNV)	Leading participatory research workshops; Piloting interventions identified through research phase; Leading knowledge-sharing workshops to share lessons learnt and enable similar interventions elsewhere.
WLE	5	EAT	FP5 Researcher serves as the EAT Science Director, collaborating in ideas, papers, and outreach activities.