

New bilateral projects funded in 2014

Acharya NG Ranga Agricultural University (ANGRAU)

Innovative ICT mediated extension and delivery platforms for improving productivity and profitability of smallholder agriculture

Agriculture Department, Government of Odisha

Promotion of improved chickpea varieties in rice-based cropping systems of smallholder farmers in Odisha (Mayurbhanj, Keonjhar and Sundergarh districts)

Aquagri Processing Pvt Ltd

Techno-economic evaluation of response of different crops to application of sea weed extract product "Aquasap" in Eastern and Southern Africa (ESA) countries

Asian Paints Ltd

Improved livelihoods through integrated water resources management in community watershed in Medak

Australian National University

To implement a capacity building project for agricultural innovation platform in Tanzania, Mozambique and Zimbabwe

Bayer BioScience Pvt Ltd

Marker-Assisted Recurrent Selection (MARS) directed foliar blast resistance transfer in an elite pearl millet pollen parent

Bill & Melinda Gates Foundation

Harnessing Opportunities for Productivity Enhancement (HOPE) of sorghum and millets (additional funding amount of \$3,500,000 [the "Supplement"] to complete Phase 1 objectives and activities and develop the Phase 2 proposal).

Tropical Legumes I (TL I) workstream continuation

Bill & Melinda Gates Foundation through Bioversity and Michigan State University

Strengthening Impact Assessment in the CGIAR System (SIAC) – Tracking the adoption of rainwater harvesting structures of Integrated Watershed Development Program (IWDP) in the semi-arid tropics of India

Bundesministerium für Wirtschaftliche Zusammenarbeit Und Entwicklung (BMZ)/Gesellschaft Für Internationale Zusammenarbeit (GIZ)

Easy molecular breeding tools for accelerating sorghum improvement in West Africa

Partners: University of Hohenheim, Germany (UH); Institut d'Economie Rurale, Mali (IER); Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement, France (CIRAD); Cornell University, USA; Empresa Brasileira de Pesquisa Agropecuária, Brazil

Bringing the benefits of heterosis to smallholder sorghum and pearl millet farmers in West Africa: Establishing a solid foundation for hybrid development

Partners: University of Hohenheim, Germany (UH); Institut d'Economie Rurale, Mali (IER); Senegalese Institute for Agricultural Research, Senegal; National Institute of Agronomic Research, Niger

Attributed funding from Germany for 2014 for "Conservation, regeneration, characterization / evaluation of germplasm collections of sorghum, pearl millet, chickpea, pigeonpea, groundnut and small millets at ICRISAT-Patancheru, India and at the regional genebanks in Niamey-Niger; Nairobi-Kenya; and Bulawayo-Zimbabwe."

Bureau of Agricultural Research, Department of Agriculture, Government of Philippines

Capability building of SUCs and DA scientists and researchers on rainfed agriculture research and development (Phase 3)

CGIAR Consortium

Strengthening Impact Assessment Methods in the CGIAR Consortium

CGIAR Research Program on Policies, Institutions and Markets led by IFPRI

Dr MCS Bantilan as Member of the Management Committee of CRP2

CGIAR Research Program on Water, Land and Ecosystems (WLE)

Document outcome stories of African Women Farmers

Document outcome stories of Indian Women Farmers

Climate Change, Agriculture and Food Security/International Centre for Tropical Agriculture

Global framework for climate services adaptation program (GFCS) in Africa – ICT & Climate Services Consultant

Columbia University (United States Department of Agriculture funded)

Implementation of the AgMIP program for South Asia and sub-Saharan Africa

Department of Agriculture & Cooperation, Crops Division, NFSM Cell, Ministry of Agriculture, Government of India

Utilizing chickpea genome sequence for crop improvement

Department of Agriculture and Cooperation, Government of India

Implementing the activities under the strategy and results framework (India)

Department of Biotechnology, Government of India

Biofortification of long chain polyunsaturated fatty acids in peanut by metabolic engineering of fatty acid biosynthetic pathway

European Commission/International Fund for Agricultural Development (IFAD)

Development of commercially sustainable Sorghum for Multiple Uses (SMU) value chains in Kenya and Tanzania
Enhancing productivity of groundnut and pigeonpea cropping systems in Eastern Africa

Food and Agricultural Organization of the United Nations-Philippines

Key Commodity Value Chain and Market Assessment (VCMA) in region VIII, Philippines

Federation of Indian Chambers of Commerce & Industry (FICCI)

Evaluation of the food technologies developed by Defence Research & Development Organization

Government of Karnataka

Sujala II – Providing technical assistance for implementation of component-2 of the KWDP-II in respect of capacity building for productivity enhancement in watersheds.

HarvestPlus Challenge Program (Phase II)

Genetically enhanced pearl millet with high grain iron density for improvement of human nutrition in India

Partners: Chaudhary Charan Singh Haryana Agricultural University, India; Junagadh Agricultural University, India; Marathwada Agricultural University, India; Mahatma Phule Krishi Vidyapeeth College of Agriculture, India; Swami Keshwanand Rajasthan Agricultural University, India; Ajeet Seeds Ltd, India; Bayer Bioscience Pvt Ltd, India; Bioseed Research India Pvt Ltd, India; Devgen Seeds and Crop Technology Pvt Ltd, India; Ganga Kaveri Seeds Pvt Ltd, India; Hitech Seed India Pvt Ltd, India; JK Agri Genetics Ltd, India; Kaveri Seeds Company Ltd, India; Kesar Enterprises Ltd, India; Nuziveedu Seeds Ltd, India; Pioneer Overseas Corporation, India; Metahelix Lifesciences Pvt Ltd, India; Nirmal Seeds Pvt Ltd, India;

Identification of Micronutrients-Dense Sorghums for Better Health in Western and Central Africa (WCA) and Central India

Partnership-based genetic enhancement of pearl millet for high grain iron density for improved human nutrition in India

Partners: CCS Haryana Agricultural University, India; Junagadh Agricultural University, India; Marathwada Agricultural University, India; MPKV College of Agriculture, India; Swami Keshwanand Rajasthan Agricultural University, India; Ajeet Seeds Ltd, India; Bayer Bioscience Pvt Ltd, India; Bioseed Research India Pvt Ltd, India; Devgen Seeds and Crop Technology Pvt Ltd, India; Ganga Kaveri Seeds Pvt Ltd, India; Hitech Seed India Pvt Ltd, India; JK Agri Genetics Ltd, India; Kaveri Seeds Company Ltd, India; Kesar Enterprises Ltd, India; Nuziveedu Seeds Ltd, India; Pioneer Overseas Corporation, India; Metahelix Lifesciences Pvt Ltd, India; Nirmal Seeds Pvt Ltd, India;

International Centre for Maize and Wheat Improvement (CIMMYT)-Generation Challenge Program

Product Delivery Coordinator (PDC) for the groundnut project activities in the legume research initiative for GCP

Improving tropical legume productivity for marginal environments in Sub-Saharan Africa: Phase II (Amendment of Generation Challenge Programme sub-grant towards “Re-sequencing of Multi-parent Advanced Generation Inter-cross (MAGIC) lines of chickpea (*Cicer arietinum*)”)

Collaboration and establishment of a regional hub of the integrated breeding platform

Additional grant for the project “Improving tropical legume productivity for marginal environments in Sub-Saharan Africa: Phase II”.

International Fund for Agricultural Development (IFAD)

Increasing food security and household income through small stock market development in Zimbabwe (supplementary funding)

International Food Policy Research Institute (IFPRI)

Global Futures and CGAIR Strategic Foresight (GFSF) Program

International Livestock Research Institute: Bio-Innovate Program

Additional grant for the project “Delivering new sorghum and millet innovations for food security and improvement of livelihoods in Eastern Africa”

Indo-Swiss Collaboration in Biotechnology (ISCB)

Biofertilization and bioirrigation for sustainable mixed cropping of pigeonpea and finger millet

Irish Aid

Support for Malawi Seed Industry Development

Kirkhouse Trust

Benchmarking of traits controlling the plant water budget in orphan legumes

McKnight Foundation

Seeds to reach farmers in specific target area: Supporting farmer organizations to disseminate more seed in their local target areas, and studying why what works for whom

Dual-purpose sorghum and cowpeas: Opening the window for crop-livestock intensification by combining grain and improved crop residues

New varieties and management systems to improve productivity, food security and safety and market competitiveness

Sustainable large-scale biological control of the millet head worm in the Sahel

Niger Seed Systems Project for Pearl Millet and Legumes

Michigan State University (Bill & Melinda Gates Foundation funded)

Exploring adaptive potential of perennial types of sorghum for the Sudan Savannah of West Africa (under the project “Perennial grain crops for African smallholder farming systems”)

Michigan State University (Bill & Melinda Gates Foundation and Bioversity)

Strengthening Impact Assessment in the CGIAR System (SIAC) – Organize the collection of crop germplasm improvement research related direct outcomes in South, Southeast and East Asia – SIAC Activity 2.1: Tracking the adoption of improved varieties in South, Southeast and East Asia

National Agricultural Innovation Project/Indian Council for Agricultural Research

Handholding and mentoring of Business Planning and Development units of National Agricultural Research Systems

Peanut and Mycotoxin Innovation Lab (PMIL), University of Georgia

An integrated global breeding and genomics approach to intensifying peanut production and quality

Translational genomics to reduce pre-harvest aflatoxin contamination of peanut

Peanut and Mycotoxin Innovation Lab (PMIL), United States Department of Agriculture, Agricultural Research Station, SAA, National Peanut Research Lab

Genetic diversity of aflatoxigenic aspergillus species in African countries

Pioneer Overseas Corporation

Characterization of commercial hybrids to enable model applications for environmental characterization in India

PMIL through North Carolina State University (NCSU)

Aflatoxin management interventions, education, and analysis at various steps within the peanut value chain in Malawi, Mozambique and Zambia

PowerGrid Corporation of India Ltd

Improving rural livelihoods through farmer-centric integrated watershed management in Karnataka

Improving rural livelihoods through farmer-centric integrated watershed management in Andhra Pradesh

Rural Electrification Corporation Limited (RECL)

Farmer-centric Integrated Watershed Management for improving rural livelihoods

SABMiller India Ltd

Spent malt based business model for improving livelihoods of women in watersheds

Ensuring groundwater sustainability through integrated watershed management interventions

Science and Engineering Research Board (SERB), Govt. of India

Assessment of actinomycetes as tripartite agent: Biocontrol of botrytis grey mold, host-plant resistance enhancer and growth promoter on chickpea (*Cicer arietinum* L.)

Tracking breeding-induced genomic changes in pigeonpea

START Secretariat

Adaptation at Scale in Semi-Arid Regions (ASSAR)

Swiss Agency for Development and Cooperation (SDC)

Study to assess the feasibility of upscaling the weather-based agro-advisories model developed under SOC supported CCA project

United States Agency for International Development (USAID)

Platform Mozambique - Program Management Unit

US-CGIAR Linkage Program – CRP 3.5

US-CGIAR Linkage Program – CRP 3.6

Reseeding Malawi's Smallholder Agriculture

Partners: CGIAR, International Maize and Wheat Improvement Center (CIMMYT), International Institute of Tropical Agriculture (IITA)- Nigeria

Seed Scaling: Groundnut in West Africa (Increasing groundnut productivity of smallholder farmers in Ghana, Mali, Nigeria)

Zambia Aflatoxin Research & Mitigation

Zambia Groundnut Productivity

Disseminating learning agenda on resilient-smart technologies to improve the adaptive capacity of smallholder farmers in the Mopti region (part of a wider USAID program titled "USAID-Mali Accelerated Economic Growth Add-On")

University of Nebraska-Lincoln (Bill & Melinda Gates Foundation funded)

Global Crop Yield Gap and Water Productivity Atlas

University of Saskatchewan, Saskatoon

Re-sequencing Canadian Chickpea

University of Twente (Bill & Melinda Gates Foundation funded)

'Spurring a Transformation for Agriculture through Remote Sensing (STARS) – Imagery for Smallholders: Activating Business Entry points and Leveraging Agriculture (ISABELA)

USAID supported Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet, Kansas State University (Management Entity)

Biological control of the millet stem borer and the millet head miner in Niger and Senegal

Partners: Dr Timothy J Dalton, SMIL Director and Associate Professor, Department of Agricultural Economics, Kansas State University

Accelerating the Genetic Enhancement of Sorghum in West Africa with Genomics-Enabled Breeding

USAID through Catholic Relief Services (CRS)

Programme d'Appui à la Sécurité Alimentaire des Ménages-Tanadin Abincin Iyali (PASAM-TAI) (Support Program for Household Food Security, Tanadin Abincin Iyali) – Year 2 activities of Food Security Program funded by USAID (To implement the program that aims to reduce food insecurity and malnutrition among vulnerable rural population in Niger)

Establishment of participatory on-farm demonstration for new crop varieties in Nigeria

USAID through International Institute of Tropical Agriculture (IITA)

Intensification of maize-legume based systems in the semi-arid areas of Tanzania (Kongwa and Kiteto districts) to increase farm productivity and improve farming natural resource base

Partners: CIMMYT; International Centre for Research in Agroforestry, Kenya; Agricultural Research Institute, Hombolo, ARI Naliendele, Sokoine University of Agriculture, University of Dodoma, Tanzania

Strengthening partnerships for innovation in beans, groundnuts and sesame research and technology transfer in Mozambique

Sustainable Intensification of Key Farming Systems in the Sudano-Sahelian Zone of West Africa (Africa RISING)

Partners: Local/national NGO- civil society or group, CGIAR, other international or regional organizations, International Livestock Research Institute (ILRI), Kenya; World Agroforestry Center-International Centre for Research in Agroforestry (ICRAF), Kenya; AVRDC-The World Vegetable Center

USAID through International Center for Tropical Agriculture (CIAT)

Intensification-Crop insurance project of the Agricultural Model Intercomparison and Improvement Project (AgMIP)

USAID through International Livestock Research Institute (ILRI)

Africa RISING (Research in Sustainable Intensification for the Next Generation)

West Africa Agricultural Productivity Programme (WAAPP), Agricultural Research Council of Nigeria

Groundnut and sorghum seeds multiplication (to support activities in the sorghum and groundnut value chains in seed production and capacity enhancements of farmers and extension agents)

WLE CRP led by International Water Management Institute (IWMI)

Dr SP Wani as SRP Co-Leader on SRP 2: Rainfed Systems