

2018 R&D PROJECTS IMPLEMENTED WITH BENEFICIARIES

PROJCODE	PROJECT TITLE	PROJECT STUDY	STATUS	DATE START	DATE END	BENEFICIARIES
CED - 10 Projects						
LFP-CED-2018-01	Modular Innovation Center for Oils, Blends and Sauces		Ongoing	01-Jan-17	31-Dec-19	Food manufacturing industry
RDA-CED-2018-01	Characterization/Performance Testing of the Biodiesel/Diesel Blends from Combined Feedstock of Various Vegetable and Used Cooking Oil		Ongoing	01-Apr-18	30-Sep-19	Energy Industry
RDA-CED-2018-02	Capacity Building on Energy Efficiency and Conservation (EE&C) for SUCs in Six Regions as Demonstration Sites		Ongoing	01-Apr-18	31-Dec-19	State Universities and Colleges in Six Regions
RDA-CED-2017-01A	I-SALT: Improving Productivity and Efficiency of Local Salt Producers Towards a Self-Reliant Philippines in 2020	Project 1 : Design, Prototyping of Salt Processing Equipment (Washer, Dryer, Iodizer, Crystallizing Pan, Furnace, Concentrator (ion-exchange membrane)	Ongoing	01-Jul-17	30-Jun-19	Salt Industry and Consumers
RDA-CED-2017-01B	I-SALT: Improving Productivity and Efficiency of Local Salt Producers Towards a Self-Reliant Philippines in 2020	Project 2: Development of Gourmet Salt Products and Micro-Sized Salt in Laboratory Scales	Ongoing	01-Jul-17	31-Mar-19	Salt Industry and Consumers
RDR-CED-2017-02	Nanoencapsulation of herbal drugs in hydrogels and matured coconut water as health supplement for musculoskeletal system: Development and Scale-up Production		Completed	01-Feb-17	30-Dec-18	Herbal drugs industry, Health industry
RDR-CED-2017-06	Development of Supercapacitor with Organic Electrolytes using Graphene		Completed	01-Feb-17	31-Mar-18	Energy Industry
RDR-CED-2018-01	Scale-up to Pilot production of Resistant Cassava Starch		Completed	01-Feb-18	31-Dec-18	Native Starch Producers and Food Manufacturing Industries
RDR-CED-2018-02	Integration of Convex Glass on Solar Panel for the Improvement of Harnessing Solar Energy		Completed	02-Jan-18	31-Dec-18	ITDI Divisions, DOST Agencies and DOST Regional Offices; Solar and Wind (Renewable Energy) Companies
RDRD-CED-2018-01	ITDI Livelihood Program for the Reconstruction and Rehabilitation of Marawi		Ongoing	01-Aug-18	31-Dec-19	Marawi Community
EBD - 13 Projects						
RDR-EBD-2017-10	Development of Emergency Disinfection System of Drinking Water formerly 'Development of a Mobile Flood Water Treatment System for Emergency Drinking Water' : Study 1: Process and Equipment Development Study 2: Power Supply Development'		Ongoing	01-Mar-17	31-Mar-19	Inhabitants of flood-prone areas; Communities in rural areas with less or no access to safe drinking water; Evacuation centers; LGUs
RDR-EBD-2017-10A	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 1: Phenotypic and biochemical characterization of microbial isolated from fermented products	Completed	01-Mar-17	30-Dec-18	Fermented products producers
RDR-EBD-2017-10B	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 2: Molecular characterization of microbial isolated from fermented products	Completed	01-Mar-17	30-Dec-18	Fermented products producers

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RDR-EBD-2017-10C	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 3: Data-mining of previous Biotechnology R&D Outputs related to Local Food Processing	Completed	01-Mar-17	28-Jun-18	Fermented products producers
RDR-EBD-2018-01	Development of Pre-processing Technologies to Facilitate Waste-to-Energy		Completed	01-Feb-18	30-Dec-18	Waste Management Sector
RDR-EBD-2018-02A	In-Situ Remediation of Petroleum Contaminated Soil	Study 1: Sequestration of Nutrient Species on Agricultural Runoff using Chitosan	Completed	01-Feb-18	30-Dec-18	Fishermen, Aquacultural businesses, farmers
RDR-EBD-2018-02B	In-Situ Remediation of Petroleum Contaminated Soil	Study 2: Remediation of Petroleum Contaminated Soil by Oxidation	Completed	01-Feb-18	30-Dec-18	Gasoline station owners, Abandoned Oil Depot of Petroleum Products, Industry with Petroleum Spills or Leakage, Automobile or Machine Repair Shops, Landfill/Garbage Dump Sites, Laboratories handling petroleum products
RDA-EBD-2017-01	Application of Anaerobic Digestion for Household Biodegradable Waste in Kawit, Cavite (Alveo-PBE project)		Suspended	01-May-17	31-Dec-18	Alveo House Projects
RDA-EBD-2017-02	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Project 3 : Household and Community-based Filters for Metals in Waters	Ongoing	01-Jul-17	30-Jun-19	1. Consumers of water and agricultural produce 2. Policy makers on food and water safety 3. Private and public water resource managers 4. Local government officials as overseers of community health and welfare
RDA-EBD-2017-03	Aerobic Treatment of Anaerobically Pre-digested Swine Wastewater using Activated Sludge and Subsequent Polishing using Biological Filters, Tricking Filter System		Ongoing	16-Mar-17	15-Mar-19	1. Swine industry in Region IVA 2. Stakeholders of Laguna Lake
RDA-EBD-2017-04	Pilot Scale Production of Spray-Dried Dextran and High Fructose Syrup using Whole Cell (<i>Leuconostoc mesenteroides</i> isolates) ITDI Fermentation Technology		Ongoing	06-Nov-17	05-May-19	1. Coconut oil processors with coconut water as by-products 2. Food industry and other potential users of locally supplied fructose syrup and dextran 3. Potential commercial producer of <u>dextran and high fructose syrup</u>
RDA-EBD-2017-05	Assessment and Strengthening of the Chemical Safety and Hazardous Waste Management Program of Ten Selected Academic Institutions in the National Capital Region (NCR)		Completed	01-Dec-17	30-Jul-18	1. Academic institutions 2. Laboratories handling hazardous chemicals and wastes
RDA-EBD-2017-06	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Project 2: Metal Content of Water Supplies in Volcanic Impacted Area and its Impact to Vegetations	Ongoing	01-Jul-17	30-Jun-19	1. Consumers of water and agricultural produce 2. Policy makers on food and water safety 3. Private and public water resource managers 4. Local government officials as overseers of community health and welfare

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FPD - 12 Projects						
RDR-FPD-2017-11	Deployment and Impact Assessment of Developed Disaster Relief Projects (GAD project)		Completed	01-Mar-17	31-Dec-18	1. Victims-survivors of calamities and disasters 2. National/local government agencies and NGO's involved in disaster risk deduction and mitigation
RDR-FPD-2017-16	Utilization of Rice milling by-products for the production of oil, syrup (as food and industrial sweetener) and high-protein powder		Completed	01-Mar-17	31-Mar-18	1. Food industry (local food manufacturers, importers and exporter) - intermediate raw materials 2. Rice miller- value adding of rice milling by-products 3. Farmers&producers 4. Food Consumers
RDR-FPD-2018-01	Comparison of Quality of Dried Products Using Conventional Dryer and Heat-pump Dryer		Ongoing	01-Feb-18	31-Mar-19	Food Industry; Farmers and producers , Consumers, LGU, School and Universities and Food Organizations and Institutions
RDR-FPD-2018-02	Effect of Drum Drying Parameters on the Quality Characteristics of Selected Local Food Materials (Fruit, Vegetables, Rootcrops) as Intermediate Ingredient and Healthy Snack		Completed	01-Feb-18	31-Dec-18	Food Industry; Farmers and producers , Consumers, LGU, School and Universities and Food Organizations and Institutions
RDR-FPD-2018-03	Evaluation of Histamine Level and Commercial Sterility of Bottled sardines in Oil		Completed	01-Feb-18	31-Dec-18	Manufacturers and Producers of bottled sardines, Consumers and LGU
RDA-FPD-2018-01	Establishment of Spray-Drying Technology and Equipment to the Nine (9) Regional Food Innovation Centers (FIC-Batch 2)		Ongoing	01-Jan-18	30-Jun-19	Food Manufacturers/Processors, Hala Food Consumers and Halal Food Institutions
RDA-FPD-2018-02	Development of Corn-based Products for Candaba and Bacolor, Pampanga		Ongoing	1-Aug-18	2-Feb-19	Food Manufacturers/Processors, Hala Food Consumers and Halal Food Institutions
RDA-FPD-2018-03	Establishment of HALAL Assurance System for Selected Banana Products (Banana Chips, Banana Catsup and Frozen Banana)		Ongoing	1-Aug-18	1-Jul-19	Food Manufacturers/Processors, Hala Food Consumers and Halal Food Institutions
RDA-FPD-2018-04	Establishment of HALAL Assurance System for Bakery Products (Pandesal and Loaf Bread)		Ongoing	1-Aug-18	1-Jul-19	Food Manufacturers/Processors, Hala Food Consumers and Halal Food Institutions
RDA-FPD-2018-05	Technical Guidelines Development for Minimally Processes HALAL Chicken and Chicken By-Products (Edible Giblets)		Ongoing	1-Aug-18	1-Jul-19	Food Manufacturers/Processors, Hala Food Consumers, Poultry Industry and Halal Food Institutions
RDA-FPD-2018-06	Development of Emulsified Meat Products (Sausage, Nuggets, Burgers) for HALAL Market		Ongoing	1-Aug-18	1-Jul-19	Food Manufacturers/Processors, Hala Food Consumers and Halal Food Institutions
RDA-FPD-2017-001	Natural Food Colors from Local Source as Food Additive		Ongoing	15-Mar-17	14-Mar-19	Farmers: tiesa, ubi, arius berries, roselle and purple sweet potato; MSMEs

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MSD - 18 Projects						
RDA-MSD-2017-03	Pilot-scale Testing and Technology Validation of Nanozeolite Processes		Completed	15-Mar-17	14-Mar-18	Mining industry, Polymer and plastic industry, Chemical industries, Agro-industry
RDA-MSD-2017-04	Development, Characterization and Performance Evaluation of Polymeric Separation Membrane for Industrial Applications using Local Materials (Phase 1)		Completed	01-Jan-17	31-Mar-18	Water purification stations, local water districts, Communities where there is salt contamination/intrusion in their water source and ultrapure water users such as semiconductor industries and water softening application
RDA-MSD-2017-05	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Study 1: Household Based Filters for Metals in Water	Ongoing	01-Jul-17	30-Jun-19	Communities/individual with no access to potable water or heavy metal-laden water resources
RDA-MSD-2018-02	Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase I)		Ongoing	01-Jun-18	31-Mar-19	Manufacturers and end-users of nanotechnology based materials and products
RDA-MSD-2017-06	Green Synthesis and Functionalization of Carbon Quantum Dots from Biowaste for Biomedical and Industrial Applications		Completed	01-Sep-17	14-Dec-18	LGUs, Industries utilizing optronics, catalysis and optical sensors, Biomedical field, Energy industries
RDA-MSD-2017-07	Program: Intelligent Data Analysis System (IDAS) for Drug Trafficking Investigation in the Philippines Project 1: Application of Multivariate Analysis on Methamphetamine HCl Chemical Fingerprints and Kinetic Stability Modelling (Collaborative Project with PDEA/ASTI)		Completed	16-Dec-17	15-Dec-18	LGUs, Government drug enforcement agency
RDA-MSD-2017-08	ADMATEL Expansion and Business Continuity		Ongoing	10-Nov-17	09-Nov-20	Semiconductor and Electronics Industry, Academe, Various manufacturing industries
RDA-MSD-2018-01	Fabrication and Performance Evaluation of Abaca Fiber Reinforced Composites for Boat Applications		Ongoing	03-Apr-18	02-Apr-19	Composite fabricators, Boat manufacturing industry, Fishing sector, Marine tourism, Abaca Fibers industry
RDR-MSD-2018-01	Development of Innovative Bullet Proof Vest and Bullet Proof Panels for Armored Vehicles		Completed	01-Feb-18	31-Dec-18	Silk manufacturers, agricultural sector, plastic industry, military personnel, composite fabricators, automotive industry
RDR-MSD-2018-02A	Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims	Study 1: Innovative Utility Tent	Completed	01-Feb-18	31-Dec-18	Plastic manufacturers, composite fabricators, LGUs, Disaster & Rescue Personnel, Disaster-stricken communities
RDR-MSD-2018-02B	Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims	Study 2: Floating Baby Capsule	Completed	01-Feb-18	31-Dec-18	Plastic manufacturers, composite fabricators, LGUs, Disaster & Rescue Personnel, Disaster-stricken communities
RDR-MSD-2018-03	Southeast Asian Atmospheric Corrosion Exposure Studies for Electronic Components		Completed	01-Feb-18	31-Dec-18	Industries or establishments in aggressive/corrosive environment or location
RDR-MSD-2018-04	Functional Nano Coating (FuN Coat) for Applications in Energy and Related Industries		Completed	01-Feb-18	31-Dec-18	Mining industry, Manufacturing industries, Energy industries
RDR-MSD-2018-05	Development of Ultrafiltration/Nanofiltration HF membrane for Drinking Water Application		Completed	01-Feb-18	31-Dec-18	Communities/individual with no access to potable water, Military personnel, Various process industries employing membrane separation technology
RDRD-MSD-2018-01	Deployment of Innovative Rainwater Collection Systems in Marawi		Ongoing	01-May-18	30-Apr-19	Marawi Community

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RDR-MSD-2018-06	Development of Artificial Muscles from Natural Rubber for Intelligent Robots Application: A Preliminary Study		Completed	01-Feb-18	31-Dec-18	Rubber industry, Industries employing robotic applications in processes
MOA-MSD-2017-01	Design and Fabrication of an Airframe for a Medium-range, short take-off and Landing UAV (Collaborative Project with PhilFIDA/FEATI)		Ongoing	02-May-17	01-Apr-19	Local UAV operators/users Aeronautical schools Abaca Farmers
MOA-MSD-2018-01	Prototype Development of Severe Weather Amphibious Navigator using Local Abaca Composites (Collaborative project with Wesleyan University of the Philippines, Holy Angel University, Don Honorio Ventura State University)		Ongoing	01-Feb-18	31-Jul-19	Abaca Manufacturers LGU for Disaster Response
NMD - 4 Projects						
RDRD-2017-NMD-1	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 1: Chemical Metrology for Organic Contaminants in Food and Water	Ongoing	01-Jan-17	31-Dec-21	Laboratories nationwide
RDRD-2017-NMD-2	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 2: Chemical Metrology for Inorganic Toxic Elements in Food and Water	Ongoing	01-Jan-17	31-Dec-21	Laboratories nationwide
RDRD-2017-NMD-3	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 3: Biological Metrology for Microorganisms in Food	Ongoing	01-Jan-17	31-Dec-21	Laboratories nationwide
RDRD-2017-NMD-4	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 4: Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory (NML)	Ongoing	01-Jan-17	31-Dec-21	Laboratories nationwide
PTD - 10 Projects						
RDR-PTD-2017-12	Quality and Safety Monitoring of Chilled and Frozen Foods Using Intelligent Packaging with Time Temperature Indicators: A Preliminary Study		Completed	01-Aug-17	31-Dec-18	Food Packaging Industry
RDR-PTD-2017-14	Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen		Completed	01-Jul-18	01-Dec-18	Growers/ Sellers of Mangosteen
RDR-PTD-2018-01	Effect of Storage Temperature on the Compressive Strength and Microstructural Properties of Commercially Sold Starch-based Biodegradable Cup		Completed	01-Jan-18	01-Sep-18	Manufacturers and sellers of starch-based biodegradable materials; End-user especially the food service industry
RDR-PTD-2018-02	Brand Development of Unique Philippine Product		Ongoing	01-Apr-18	16-Mar-19	Existing Producers/ Manufacturers; Prospective Brand Owners
RDR-PTD-2018-03	Development of Collapsible Toilet Bowl for Emergency/Disaster Operations (Preliminary Study)		Completed	01-Feb-18	01-Dec-18	Victims of disasters; Campers; Elderly
RDR-PTD-2018-04	Effect of Storage Conditions on Migration Characteristics of Benzophenone in Paper & Paper-based Food Packaging		Ongoing	01-Feb-18	01-Dec-19	Entities/ people engaged in testing and/or R&D

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RDR-PTD-2018-05	Development of Nano-coating Materials as Postharvest Treatment for Selected Tropical Fruits (Phase 1)		Completed	01-Apr-18	01-Dec-18	Growers/ Sellers of Mangosteen
RDA-PTD-2016-01	Package Development of Bakery Product and Field Testing Study of RTE Smoked Fish Rice Meal and Sweet Potato as Disaster/Relief Foods - Phase 2		Completed	24-Apr-17	31-Jul-18	Victims of disasters;Fishermen, Growers and Sellers of Sweet Potato
RDA-PTD-2017-15	Development of an Effective Distribution System for RTE Foods (Chicken Arroz Caldo and Smoked Fish Rice Meal) to Mitigate the Magnitude of Distress for Calamity Survivors and Providers of Services - Year 1		Ongoing	16-Nov-17	30-Nov-18	Calamity Survivors
RDA-PTD-2016-04	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation (Year 2)		Ongoing	01-Dec-16	30-Nov-19	Food and packaging industry
STD - 4 Projects						
RDA-STD-2017-01	OneLab Capability Assurance System for Metal Content Assessment in Agricultural Produce, Water and Environmental Samples		Ongoing	01-Mar-17	28-Feb-19	Farmers and consumers
RDA-STD-2017-02	Enhancing OneLab for Global Competitiveness		Ongoing	01-Jan-17	31-Dec-19	Nationwide MSMEs and individuals who requires testing.
RDA-STD-2018-02	DOST Integrated Halal S&T Program: Establishment of Halal Assurance System for Production, Method Development and Standardization of Cosmetics and Toiletries		Ongoing	01-Aug-18	31-Jul-19	Consumers and Manufacturers/Processors of Halal Products
RDA-STD-2018-01	Development of Natural Colorants for Cosmetics		Ongoing	01-Jan-18	31-Mar-19	Cosmetic producers and consumers
TSD - 1 Project						
RDA-TSD-2017-01	Pilot Implementation of ITDIs Pre-Commercialization Tools/Strategies for Effective Transfer and Commercialization of Generated Technologies and Intellectual Properties		On-going	15-Jun-17	31-Mar-19	ITDI Researchers amd respective adoptors of the technology developed

TOTAL 72 Projects