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	PROJECT TITLE	BENEFICIARIES
1.	Development of an Integrated Pest Management Strategy against Brontispa longissima (Gestro), an Invasive Coconut Pest, and Other Palm Species - Component 6. Effect of Gamma Irradiation on the Sterility of B. longissima	 Coconut growers Coconut industry Researchers Scientists
2.	Grain Quality Improvement in Rice (Oryza sativa L.) Through Induced Mutation Breeding	FarmersGeneral public
3.	Improvement of Crop Quality and Stress Tolerance for Sustainable Crop Production Using Mutation Techniques and Biotechnology in Mungbean (Vigna radiata [L.] R. Wilczek)	FarmersGeneral public
4.	Effects of Biofertilization and N Levels on Nitrogen Nutrition of Grain Cereals	FarmersAgricultural sector
5.	Environmental Radioactivity Monitoring in PNRI Grounds and Vicinities	General Filipino public
6.	Radiation-Induced Grafted Materials for Environmental Remediation	Waste water treatment industriesResearchers/scientists
7.	Application of Nuclear Based Receptor Binding Assay (RBA) Technology in the Analysis and Risk Assessment of Harmful Algal Blooms (HABs)	Researchers/scientists
8.	Developing PNRI Capability for Electron Beam Technology Applications	 Researchers academe regulatory bodies Industries/environmental/ agricultural/medical sectors Philippine Army General public
9.	Food Origin Authentication and Detection of Synthetic Acetic Acid Adulteration in Philippine Vinegar Using Liquid Scintillation Counting and Isotope Ratio Mass Spectrometry	Nutri-AsiaVinegar industryFDA
10.	Multi-Element and Black Carbon Determination of Air Particulate Samples from Caloocan City	 EMB Caloocan City LGU General public
11.	Assessment of Indoor Air Particulates (PM2.5) at Selected Rooms at the Philippine General Hospital	UP Manila community and researchers
12.	Assessment of Respirable Air Particulate (PM2.5) Pollution Sources in Metro Manila by Nuclear Analytical Techniques and Receptor Modelling	 LGUs EMB EU-GFA General public
13.	Tc-99m and Tc-99m Radiopharmaceuticals: Preparation and Quality Control for Nuclear Medicine Applications	 Nuclear medicine centers and practitioners Hospital patients
14.	Isotope Techniques Application for Groundwater Resources Characterization and Assessment	 Water utilities Water resources regulators/policy makers LGUs General public
15.	Development of Sterile Insect Technique for Dengue Mosquito Vector, Aedes aegypti, Using Gamma Irradiation	Health sectorResearchers/scientists

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	PROJECT TITLE	BENEFICIARIES
16.	Mutation Breeding of Priority Agricultural Crops: Component 1. Ornamentals	 Researchers Plant breeders Ornamental plant growers Commercial nurseries/farms Floriculture industry Hobbyists/private collectors National and international germplasm collection (genebanks)
17.	Enhancing Agricultural Productivity in Mindanao through Nuclear Technology: Fruit Crops (Mangosteen and Cashew)	FarmersAgriculture sector
18.	Enhancing Productivity of Locally Underused Crops through Mutated Germplasm and Evaluation of Soil, Nutrient and Water Management Practices [RAS/5/064]	FarmersAgriculture sector
19.	Application of Nuclear Analytical Techniques for Efficient Nutrient and Irrigation Management in Corn Production	 Backyard farmers Commercial corn growers Water managers Water users association Researchers and scientists Government agencies Research and academic institutions LGU's Non-government organizations
20.	Water Balance and Loss Assessment of the Upper Pampanga River Integrated Irrigation System (UPRISS) and Magat River Integrated Irrigation System (MARIIS)	 Government agencies (NIA, DA-RFUs, LGUs) Policy makers Researchers Engineers and scientists Academic institutions Non-government organizations (irrigators associations, farmers associations) Private sector
21.	Nutrient Dynamics Assessment of Inorganic and Organic Rice-Based Farming Systems in the Pampanga River Basin through Lysimetric and Isotopic Techniques	 Scientists Academic institutions Non-government organizations (irrigators associations, farmers associations) Private sector
22.	Supporting Mutation Breeding Approaches to Develop New Crop Varieties Adaptable to Climate Change [RAS/5/056]	FarmersAgricultural sector
23.	Application of Food Irradiation Technology for Enhancing Food Safety, Quality and Agricultural Trade	 Food processors Farmers Traders Public consumers
24.	Development of Safe, Quality and Shelf-Stable Filipino Ethnic Foods for Immunocompromised Patients and Calamity Victims [IAEA Research Contract No. 16211]	 Immunocompromised patients/calamity victims
25.	Enhancing Cytogenetic Biological Dosimetry Capabilities of the Philippines for Nuclear Incident Preparedness [IAEA Research Contract No. 17107]	 General public Radiation workers Physicians Regulatory authorities

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	PROJECT TITLE	BENEFICIARIES
26.	Development of Novel Biomedical Products Utilizing Gamma and Electron Beam Facility	•
27.	Management of CTBTO Stations in the Philippines: RN52 and NDC-137	General publicEnvironmental sector
28.	Radiological Assessment of NORM and TENORM in the Philippine Environment	General Filipino public
29.	Radiological Impact Assessment of the Fukushima Nuclear Accident in the Philippine Marine Environment	General publicEnvironment sector
30.	Establishment of a Real-Time Environmental Radiation Monitoring System in the Philippines	General publicEnvironment sector
31.	Radon Levels in Dwelling Places in the Philippines and Its Possible Implications to Human Health	General Filipino public
32.	Determination of Concentration Factors of Cesium-137 in Philippine Green Mussels (Perna viridis)	General publicEnvironment sector
33.	Capacity Building in the Use and Operation of Small Neutron Sources Phase I (2011–2015)	AcademeResearchers
34.	Characterization of Radiation Damage and Applications of Uranium/Thorium Bearing Heavy Minerals Using Nuclear and Other Related Techniques Phase I (2012–2016)	 Mining and minerals industry
35.	Transfer of AOAC Accredited Isotope-Based Receptor Assay for Paralytic Shellfish Toxins to Regulatory Setting	 BFAR Fisheries industry Researchers/scientists
36.	Evaluation of the Effects of Radiation-Modified Carrageenan on the Growth and Yield of Mungbean (Vigna radiata [L.] R. Wilczek) and Peanut (Arachis hypogaea L.)	FarmersResearchers/scientists
37.	Supporting Pollution Assessment and Clean-Up Efforts of Selected Water Bodies in the Philippines	 DENR Environmental managers BFAR Fisheries industry Researchers/scientists
38.	Hemostatic Agents from Radiation-Modified Polysaccharides and Their Derivative: Product Development and Efficacy/Safety Evaluation in Animal Model	Health sectorMilitaryGeneral public
39.	Field Detection System for Saxitoxin: Assay Development and Optimization	 Environmental managers Fisher folks General public
40.	Enhancing National Capacity for Extraction of Uranium, Rare Earth Elements and Other Useful Commodities from Phosphoric Acid	 Fertilizer and extractive industries Agricultural, environment and health sector
41.	Verification Survey for Radioactive Rare Earth Minerals in Northern Palawan	 Mining and minerals industry Community/settlers health sector Tourism industry
42.	Characterization of the Natural Radioelement Signatures of Porphyry Copper- Gold Deposits in the Philippines by Gamma Ray Spectrometry: Implications to Minerals Exploration	 Mining and minerals industry

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	PROJECT TITLE	BENEFICIARIES
43.	Radon Monitoring of the Valley Fault System and Philippine Fault and its Implication as an Earthquake Precursor	• General public
44.	The Use of Radon in the Monitoring of the Valley Fault System and Its Implication as an Earthquake Precursor	 PHIVOLCS LGU Local residents of the study area
45.	Baseline Radioactivity Measurements in Southern Palawan District	LGULocal residents of the study area
46.	Preparation of In-House Reference Materials for Radioactivity Measurements for PNRI Inter-Laboratory Exercises	PNRICustomers
47.	Neutron Activation Analysis of Marine Sediment and Rice Samples [FNCA]	LGUsPublicResearchers/academe
48.	Air Pollution Source Apportionment	 Industries Researchers/academe Students General public LGUs
49.	Enhancing National Capacity in Applications of Industrial Radioisotope Techniques [PHI/1/018]	Petroleum and petrochemical industries
50.	Iteration of Design and Safety Assessment of the Deep Borehole and Near Surface Disposal Facilities in the Philippines [PHI/9/026]	 PNRI Industries Government institutions and hospitals
51.	Development and Applications of Isotope Techniques for Hydrological Studies	LGUsResearchers/academe
52.	Isotope Provenance Studies in Material Origin Identification/Assignment and Environmental Studies	 LGUs Public Researchers/academe Consumers

Prepared by:

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