

LIST OF 2017 PNRI PROJECT BENEFICIARIES

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PROJECT TITLE	BENEFICIARIES
1. Multi-location Trials of Oligo-carrageenan for Improved Productivity of Mungbean and Peanut in Regions II, III, VII and X	<ul style="list-style-type: none"> • Rice and corn farmers (legumes as sequential crops) • Mungbean and peanut growers • Seed producers • Researchers and scientists
2. S&T-based Soil Nutrient and Water Management for Coffee in the Philippines: Component 1. Efficient Nutrient Management for Enhanced Coffee Productivity through Isotope Tracer and Related Techniques	<ul style="list-style-type: none"> • Farmers • Commercial coffee growers • Researchers and scientists • Research and academic Institutions • LGUs and non-government organizations
3. Improvement of the Recommended Sugarcane Varieties Using Nuclear Technology and Biotechnology	<ul style="list-style-type: none"> • Ethanol industries/distilleries • Sugar mills • Sugarcane farmers/growers • Plant breeders/researchers • Block farms • ARBs/small farmers
4. Improvement of Rearing Methods of Dengue Mosquito Vector, <i>Aedes aegypti</i> , for Sterile Insect Technique (Phase II)	<ul style="list-style-type: none"> • Health sector • Communities in urban and sub-urban areas • Researchers
5. Application of Nuclear Analytical Techniques in Improving Nutrient and Irrigation Management in Corn Production	<ul style="list-style-type: none"> • Backyard farmers • Commercial corn growers • Water managers • Water users associations • Researchers and scientists • Government agencies • Research and academic institutions • LGUs • Non-government organizations
6. Nutrient Dynamics Assessment of Inorganic and Organic Rice-Based Farming Systems in the Pampanga River Basin through Lysimetric and Isotopic Techniques	<ul style="list-style-type: none"> • Backyard farmers • Commercial rice growers • Water managers • Water users associations • Agricultural officers and extensionists • Researchers and scientists • Government agencies • Research and academic institutions • LGUs • Non-government organizations
7. Smart Farming-based Efficient Nutrient Management to Increase Sugarcane Productivity through Elemental Tracer and Related Techniques	<ul style="list-style-type: none"> • Sugarcane farmers • Researchers and scientists • Provincial/municipal agriculturists and extensionists • Government agencies • Research and academic institutions • LGUs • Non-government organizations
8. Improvement of Adlai (<i>Coix lacryma-jobi</i> L.) by Gamma Irradiation	<ul style="list-style-type: none"> • Farmers and agricultural sector

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9. Development of Handling Transport Release and Trapping Methods of Dengue Mosquito Vector <i>Aedes aegypti</i> in the Philippines	<ul style="list-style-type: none"> • Health sector • Researchers/scientists
10. Development of Novel Biomedical Products Utilizing Gamma and Electron Beam Facilities	<ul style="list-style-type: none"> • General public
11. Application of Food Irradiation Technologies for Enhancing Food Safety, Quality and Agricultural Trade	<ul style="list-style-type: none"> • General public
12. Promotion and Utilization of Organic Production System and Irradiation Technology in the Production of Safe and Quality Bee Products	<ul style="list-style-type: none"> • General public • Bee keepers • Farmers and entrepreneurs
13. Strengthening the Capability of the Philippines in Biological Dosimetry for Radiological Emergency Preparedness and for Routine Monitoring of Occupationally Exposed Workers (Phase 2)	<ul style="list-style-type: none"> • Radiation workers/occupationally exposed workers • Radiation protection policy makers • Emergency planners • Emergency first responders • Decision makers for emergency response • General public
14. Monitoring and Evaluation of Radiation Dose Rate Levels in PNRI Grounds and Vicinities	<ul style="list-style-type: none"> • General Filipino public • Environmental sector
15. Radiological Assessment of NORM/TENORM in Industrial Plants in the Philippines: Oil and Gas Industry	<ul style="list-style-type: none"> • Operators • Regulators • General public
16. Establishment of On-Line Environmental Radiation Monitoring System in the Philippines	<ul style="list-style-type: none"> • General public • Environment sector • Disaster emergency response agencies
17. Generating Radiological Data from CTBTO Stations in the Philippines: PHP52 and NDC-PH	<ul style="list-style-type: none"> • General Filipino public • Environmental sector • Nuclear emergency responders
18. Assessment of Radioactivity in the Philippine Marine Environment for Possible Long-term Effects of the Fukushima Nuclear Accident	<ul style="list-style-type: none"> • General public • Environmental agencies • Nuclear regulators • Fisheries department • Marine aquaculture industry
19. Assessment of the Levels Distribution and Effects of Natural and Anthropogenic Radionuclides in the Philippine Marine Environment	<ul style="list-style-type: none"> • General public • Environmental agencies • Nuclear regulators • Fisheries department • Marine aquaculture industry
20. Determination of Radon Levels in Dwelling Places in the Philippines and Its Possible Implications to Human Health	<ul style="list-style-type: none"> • Operators • Regulators • General public
21. Characterization of Radiation Damage and Applications of Uranium/Thorium Bearing Heavy Minerals Using Nuclear and Other Related Techniques – Phase II (2017-2019)	<ul style="list-style-type: none"> • Mining • Research institutes
22. Capacity Building in the Use and Operation of Small Neutron Sources – Phase II	<ul style="list-style-type: none"> • Researchers
23. Modeling and Simulation of Nuclear Materials and Sub-Critical Reactor Systems – Phase I (2017-2019)	<ul style="list-style-type: none"> • Academic and research institutes

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24. Transfer of AOAC Accredited Isotope-Based Receptor Assay for Paralytic Shellfish Toxins to Regulatory Setting (Phase II)	<ul style="list-style-type: none"> • BFAR • Fisheries industry • Researchers/scientists • General public
25. Electron Beam-Induced Grafting of Abaca/Polyester Nonwoven Fabric and Its Application as Toxic Metal Ion Adsorbent	<ul style="list-style-type: none"> • Abaca and nonwoven fabrics industry
26. Radiation-Induced Grafting of Nonwoven Fabrics for Tanning Industry Waste Water Treatment to Meet Class C Effluent Heavy Metal Standards	<ul style="list-style-type: none"> • General public • Tanning industry
27. Evaluation of the Effects of Radiation-Modified Carrageenan on the Growth and Yield of Mungbean (<i>Vigna radiata</i> [L.] R. Wilczek) and Peanut (<i>Arachis hypogaea</i> L.)	<ul style="list-style-type: none"> • Farmers • Researchers/scientists
28. Semi-Commercial Scale Testing of Radiation-Modified Carrageenan as Plant Growth Promoter	<ul style="list-style-type: none"> • Farmers • Researchers/scientists
29. Capacity Building in Production of Marine Reference Materials for Harmful Algal Bloom (HABs) Management Project	<ul style="list-style-type: none"> • Environmental managers • Fisher folks • General public
30. Single Laboratory Validation of Receptor Binding Assay for Ciguatoxin Project	<ul style="list-style-type: none"> • Environmental managers • Fisher folks • General public
31. Development of Radiation-Processed Super Water Absorbents for Agricultural Applications	<ul style="list-style-type: none"> • Farmers • Researchers
32. Assessing the Applicability of Pb-210 Dating Technique in Selected Mangrove Areas in the Philippines	<ul style="list-style-type: none"> • Environmental managers • Environmental scientists • General public
33. Sedimentation Rate Determination and Age Dates Calculation Using Pb-210 Dating Method	<ul style="list-style-type: none"> • Environmental managers • General public
34. Geochemical and Radiometric Characterization of the Cu-Mo-U Occurrences in the Larap-Paracale Mineralized District Camarines Norte Philippines	<ul style="list-style-type: none"> • Mining and minerals industry • Community/settlers • Health sector • Tourism industry
35. Characterization and Separation of Heavy Minerals in the Alluvial and Beach Sands in San Vicente, Northwestern Palawan: Phase I	<ul style="list-style-type: none"> • LGU and residents of Erawan, San Vicente, Palawan • DOST • PNRI
36. Verification Survey for Radioactive Rare Earth Minerals in Northern Palawan	<ul style="list-style-type: none"> • Mining and minerals industry • Community/settlers • Health sector • Tourism industry
37. Resource Evaluation and Characterization of Uranium Thorium Rare Earth and Other Essential Elements from Commercial Phosphate Fertilizer Processing Industry in the Philippines	<ul style="list-style-type: none"> • Mining and minerals industry • Community/settlers • Health sector
38. Enhancing National Capacity for Extraction of Uranium, Rare Earth Elements and Other Useful Commodities from Phosphoric Acid	<ul style="list-style-type: none"> • Fertilizer and extractive industries • Agricultural, environment and health sector

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39. Comprehensive Extraction of Uranium, Rare Earth Elements and Other Valuable Resources from Wet Phosphoric Acid	<ul style="list-style-type: none">• Fertilizer and extractive industries• Agricultural, environment and health sector
40. The Use of Radon in the Monitoring of the Valley Fault System and Its Implication as an Earthquake Precursor	<ul style="list-style-type: none">• PHIVOLCS• LGUs• Local residents transected by the VFS
41. Geologic Resource Assessment of Rare Earth Beach Sand Deposits in San Vicente, Northern Palawan	<ul style="list-style-type: none">• DENR-MGB• LGU-San Vicente and local residents• Mining industry• Researchers• Academe

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