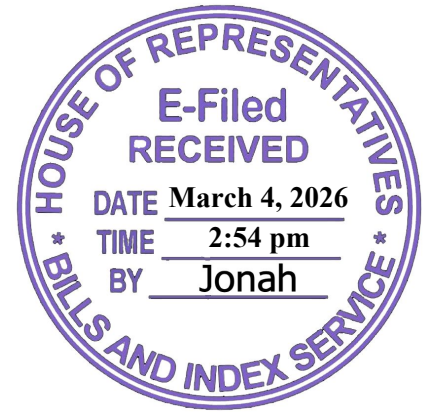




Republic of the Philippines
House of Representatives
Quezon City, Metro Manila



House Bill No. 8283

Introduced by **REP. MARIO O. SALVADOR**

EXPLANATORY NOTE

Founded in 1907, Central Luzon State University (CLSU) is a premiere comprehensive university with banner programs in agricultural science and technology, and allied fields. The University's sustained commitment to service and excellence is reflected in the quality of instruction it offers and in the viable culture of research for development it continuously nurtures.

The Commission of Higher Education (CHED) identifies CLSU as a university demonstrating excellent performance in areas of instruction, research and publication, extension and linkages, and institutional qualifications hence declaring it as a Center of Excellence (COE) in agriculture, agricultural engineering, biology, fisheries, teacher education and veterinary medicine.

CLSU's membership to several prestigious international organizations of higher education institutions like the ASEAN University Network (AUN), ASEAN International Mobility for Students (AIMS), Association of Universities in Asia and the Pacific (AUAP), University Mobility for Asia and the Pacific (UMAP), and Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC) as well as its inclusion in the Quacquarelli Symonds (QS) World University Rankings 2021: Asia earn the University a global foothold which comes with a challenge to constantly upgrade its processes to meet international standards and to maintain its responsiveness amidst the evolving landscape of higher education in a global perspective.

Over the years, CLSU continues to implement research programs of high impact and significance to the agriculture sector which is dubbed as the country's backbone. The CLSU - Tuklas Lunas Development Center (TLDC) is named by the DOST-Philippine Council for Health Research and Development (PCHRD) as a leading center in developing medicinal solutions through drug discovery using mushrooms. The CLSU Nanotechnology R and D Program and Facility is the first nanotechnology program with the state-of-the-art facility in the country that focuses on agri-fishery. The Indoor Vertical Farming System for Year-Round Production of High Value Crops in the Lowland Tropics is a cutting-edge technology that uses a controlled environment to revolutionize vertical agriculture. This year alone, CLSU received funding support



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from the Department of Agriculture to establish the Precision and Digital Agriculture Center (PreDiCt) and the Center for Transboundary Animal Diseases (CenTrAD), the country's first and only center to handle transboundary animal diseases such as African swine fever and avian flu, among others by developing technologies and tools for accurate disease diagnosis and prevention, hence protecting the animal industry and the health of the local economy.

For the last few years, the collective efforts of CLSU researchers and the University's strong collaborations with its partner institutions yielded a conservative estimate of ₱971.4 million worth of funding support for the implementation of cutting-edge research and development projects. The unwavering trust of the partner agencies helps translate the institution's vision and mission into reality, thus propelling CLSU to subscribe to an even greater organizational commitment for the people it serves. From 2023-2025, the target of CLSU to generate and disseminate knowledge and technology was translated into fruitful outcomes: 244 research completed, 205 knowledge products generated, 291 IPR applied, 32 technologies patented, 241 techno-demo sites established, 27,032 individuals trained, 16,933 clients provided with technical advisory and consultancy services, and 327 linkages established.

The commitment of CLSU to contribute to the betterment of society remains steadfast. A well-defined and sustainable allocation of resources for research and development projects will put CLSU to be in a better position to fulfill its noble mandates. A sustainable and stable financial funding ensures the sustainability of each of the centers proposed herewith.

In view of the foregoing, approval of this bill is earnestly sought.

MARIO O. SALVADOR



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House Bill No. 8283

INTRODUCED BY REPRESENTATIVE MARIO O. SALVADOR

**AN ACT DESIGNATING THE CENTRAL LUZON STATE UNIVERSITY
(CLSU) AS RESEARCH AND DEVELOPMENT REGIONAL ZONE AND
APPROPRIATING FUNDS THEREFOR**

Be it enacted by the Senate and House of Representatives of the Philippines in Congress assembled:

SECTION 1. Title. This Act shall be known as the “CLSU as Research and Development Regional Zone Act”.

Section 2. Declaration of Policy. It is hereby declared the policy of the State to give priority to research and development among others as provided for under Article XIV, Section 10 of the 1987 Philippine Constitution:

“Science and technology are essential for national development and progress. The State shall give priority to research and development, invention, innovation and their utilization; and to science and technology education, training, and services. It shall support indigenous, appropriate, and self - reliant scientific and technological capabilities, and their application to the country’s productive systems and national life.

Section 3. Establishment of Regional Centers. The following existing centers of CLSU are hereby declared as Regional Centers:

a. REGIONAL CENTER FOR TROPICAL MUSHROOM RESEARCH AND DEVELOPMENT

The Center for Tropical Mushroom Research and Development (now proposed as Regional Center for Tropical Mushroom Research and Development) is the only center in the country dedicated exclusively to advanced mushroom research and development which is based in a university. It is manned by academic professionals with advanced degree in Biology with specialization in different areas of mushroom science and biotechnology. The center focuses on both basic and applied research on different aspects of mushroom biology and biotechnology for technological advancement and community development. It generates rural-based mushroom technologies which are easily adapted by the rural people it serves.



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The center has generated practical and innovative technologies on mushroom biomass production and mushroom-based nutritious and functional food products.

Generated Technologies:

1. Zero rice waste technology for the fruiting body production Pleurotus, Ganoderma, Auricularia, Schizophyllum, Lentinus and other wood-rotting mushrooms
2. Outdoor and Indoor cultivation of paddy straw mushroom (Volvariella)
3. Adaptability of exotic mushrooms under the tropical condition of the Philippines
4. Aseptic cultivation of kabuteng hapon (Coprinopsis cinerea)
5. Mushroom – Tilapia Co-culture Technology
6. Biotechnological production of mycelial biomass and exopolysaccharide of Philippine useful mushrooms
7. Mushroom-based food products (Mushroom seasoning flakes, Mushroom stick snacks, Mushroom snack chips, Mushroom composite seasoning paste, Mushroom mycelia-based beverage, Mushroom-infused soy coffee, Mushroom Instant tea, Mushroom spray-dried extract powder)

Goal

Develop practical and innovative technologies through research and empower community for nation building, global competitiveness and sustainable development.

Objectives

1. Encourage community-based participation in the development of rural-based mushroom industry.
2. Provide venue for a stronger linkage between the rural-based industry and the academe while utilizing indigenous resources and practical technologies.

Specific Programs, Projects and Activities

1. Research on Drug discovery through the Tuklas Lunas Program



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- a. Ethnomycology, Mycophagy and Mykopharming of Wild Edible and Poisonous Mushrooms
 - b. In Vitro Enzyme-based Screening of Mushrooms and Functional Foods for Anti-pain, Anti-hypertensive, and Anti-diabetic properties
 - c. Molecular Identification, Toxicity Profiling and Anti-Cancer Screening of Wild and Edible Mushrooms in Luzon Island Philippines
 - d. Development of Mushroom-Based Functional Foods
2. Optimization of Culture Conditions for Mycelial Growth and Production of Exotic and Native Species of Mushrooms
 3. Utilization of Agro-industrial Wastes for Mushroom Production
 4. Cryobanking of Mushroom Cell Lines for Long Term Storage
 5. Mushroom Germplasm Culture Collection
 6. Spawn and Mushroom Production
 7. Intensive Training in Mushroom Pharming
 8. Training Workshop on Nucleotide Sequence-based Identification
 9. Hands-on Training in Mushroom Valued-Added Products and Post-Harvest Technology
 10. Training Workshop on Bioactivity Screening (Antioxidant, Antimicrobial, Cytotoxicity, Teratogenicity, Antidiabetic)
 11. Mykonnnect: Mushroomologist you can trust, take advice and be wise (Online)
 12. Mykoshare: Sharing technologies for sustainable and livable communities (Online)
 13. Mykollect: Explore the amazing world of wild mushrooms
 14. Mushroom TechnoVillage – A unified extension project of the university



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15. MYKOLINGAP Extension Project
16. Research Consultancy for Students, Faculty, and Researchers
17. Capture the Magic: Mushroom Photography Contest
18. Mushroom Champions
19. Young Faculty Research Grant
20. Student Research Hub

b. REGIONAL CENTER FOR MOLECULAR BIOLOGY AND BIOTECHNOLOGY RESEARCH

The CLSU Biotechnology and Analytical Laboratory, now proposed as the Regional Center for Molecular Biology and Biotechnology Research, serves as the university's premier facility for basic, applied, and developmental research. Its programs address agricultural and selected non-agricultural concerns and are aligned with university, regional, and national research priorities.

The Center has played a vital role in advancing biotechnology in the region. It provides students with opportunities to enhance their knowledge and understanding of current biotechnology trends through hands-on training using state-of-the-art equipment. It also offers training programs for faculty members and young researchers to develop competencies in molecular biology techniques and analytical skills. In addition, the Center serves as a venue for trainings and seminars on mushroom production.

The Biotechnology and Analytical Laboratory likewise supports the Biology Department of Central Luzon State University in conducting biological research, thereby helping maintain its designation as a Center of Excellence in Biology by the Commission on Higher Education (CHED).

Goal

Provide expertise and state-of-the-art facilities for students, young researchers, scientists, and agriculturists, enabling them to advance their knowledge and competencies in the field of biotechnology.

Objectives



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1. Provide access to state-of-the-art laboratories and equipment that are too costly for individual scientists and researchers to maintain in their own laboratories.
2. Facilitate and provide opportunities for students and other clientele to learn and apply modern techniques in biotechnology.
3. Develop biotechnology protocols and products that address the needs of the academe, research institutions, and industry.

Specific Programs, Projects, and Activities

1. Crop Biotechnology Section

Focuses on the application of biotechnology in the development of high-yielding, pest-resistant, and stress-tolerant varieties of vegetables, legumes, and cereals. It also conducts related training and seminars.

2. Livestock and Fisheries Biotechnology Section

Engages in the development of biotechnological products and applications for animal and fish health and production, and provides capacity-building activities through training and seminars.

3. Microbial Biotechnology Section

Concentrates on biotechnological applications in key microbiological processes and their industrial and environmental uses, employing innovative approaches and offering hands-on training and seminars.

4. Agricultural and Bioresources Section

Aims to promote practical, innovative, and cost-effective solutions to existing and emerging issues in agro-industrial production, bioengineering, and environmental quality.

5. Development-Based Resources and Systems Section

Functions as a technology business incubator for research-based products, technologies, and services developed by the laboratories. It primarily provides marketing support and consultancy services to prospective clients.

6. Special Projects and Support Services

Handles special research projects not covered by the five major sections. This unit evaluates developed technologies for potential commercialization and integrates completed and ongoing research outputs into program-based scientific and popular materials for various clienteles.



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3. REGIONAL CENTER FOR NANOTECHNOLOGY IN AGRICULTURE AND FISHERIES

The Center for Nanotechnology in Agriculture and Fisheries (proposed to be named as Regional Center for Nanotechnology in Agriculture and Fisheries) plays a vital and strategic role in advancing nanotechnology research, development, and innovation (RDI) in the Philippines, particularly in support of sustainable agriculture, fisheries, food systems, public health, and environmental protection. Initially established as a Nanotechnology Research and Development Facility and subsequently institutionalized as a Center, CeNAF is firmly anchored on the research, innovation, and extension mandate of Central Luzon State University (CLSU), a premier state university in Region III with long-standing strengths in agriculture, fisheries, environmental science, and technology-based innovation.

Nanotechnology is widely recognized as an enabling and cross-cutting technology with transformative impacts on food production systems, natural resource management, environmental protection, and human health. In response to both national development priorities and regional needs in Central Luzon, CeNAF actively harnesses nanotechnology applications across agriculture, fisheries, food processing, and packaging to enhance productivity, sustainability, resilience to climate variability, and food safety.

Core Research and Technology Development Areas

CeNAF's research and development initiatives focus on the application of nanotechnology in the following priority areas:

a. Agriculture and Fisheries Productivity and Sustainability

The Center develops nano-enabled tools such as nanosensors for real-time monitoring of soil, water, and crop conditions; rapid detection systems for plant and animal pathogens; and water quality monitoring technologies for inland fisheries and aquaculture systems. CeNAF also designs nanocapsules and nano-carriers for the efficient delivery of biofertilizers, biopesticides, vaccines, micronutrients, and feed additives for both terrestrial and aquatic organisms.

b. Environmental Protection and Resource Management

CeNAF conducts advanced research on nanomaterials for environmental remediation, including the application of quantum dots and photocatalytic nanomaterials for the degradation of persistent organic pollutants



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such as dyes commonly found in industrial wastewater. These studies demonstrate the potential of nanotechnology in addressing water pollution and supporting sustainable environmental management in agricultural and industrial landscapes.

c. Food Processing, Packaging, and Food Safety

The Center advances nano-enabled innovations in food systems, including nanoemulsions and nanoparticles to improve nutrient dispersion and bioavailability; nano-encapsulated nutraceuticals and natural flavor enhancers derived from agro-industrial by-products; and biodegradable nanosensors for monitoring temperature, moisture, and shelf life. CeNAF also supports the development of nanosmart packaging materials using agricultural wastes, nanoclays, and nanofilms to reduce spoilage, improve barrier properties, and enhance antimicrobial and antifungal performance.

Research Outputs and Commercialization Potential

CeNAF has generated a diverse portfolio of nanotechnology-based products with strong potential for technology transfer, business incubation, and commercialization. These include, among others: silica, zinc oxide, copper oxide, calcium oxide, gold, and cellulose-based nanoparticles; nano-zeolite composites; nano-encapsulated anthocyanins and vitamins; nano-enhanced sanitizers and alcohol formulations; nano-fiber filtration materials; nano-structured composites; green-synthesized nanomaterials for pest management, herbicides, seed nano-priming, and smart delivery of bioactive natural products; and nanofibers derived from agricultural wastes for metal recovery and environmental applications. These outputs demonstrate the Center's capability to translate laboratory-scale research into scalable, application-ready technologies responsive to regional and national needs.

Nano-enabled Technologies for Public Health and Emergency Response

In response to urgent public health challenges, particularly during the COVID-19 pandemic, CeNAF developed nano-enabled products such as nano-structured alcohol, nano-enhanced sanitizers, and reusable nanofiber-based face masks with improved filtration efficiency. These innovations underscore the Center's capacity to rapidly mobilize scientific expertise and infrastructure in support of national emergency response and public health protection.

High-Impact Technologies for Agriculture and Fisheries



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CeNAF has successfully implemented externally funded research projects that directly address priority concerns in agriculture and fisheries, including nano-composite technologies for water quality improvement in tilapia aquaculture, rapid diagnostic kits for fish pathogens using colloidal gold nanoparticles, nano-enabled botanical pesticides for sustainable pest management, and nano-nutrient solutions for hydroponics and protected cultivation systems. Many of these projects were supported by national funding agencies such as DOST-PCAARRD and demonstrate strong relevance to Region III's rice-based farming systems, high-value crops, and inland fisheries.

Recognition and Research Excellence

The Center's scientific outputs and extension contributions have been recognized through numerous national and international awards, including research excellence, dissemination and utilization, best paper, and service awards. These recognitions affirm CeNAF's credibility as a leading nanotechnology RDI hub in agriculture, fisheries, environmental science, and allied fields.

Alignment with Institutional and Regional Development Agendas

CeNAF's programs are fully aligned with the CLSU research agenda and national and regional development priorities, particularly by promoting efficient fertilizer and biopesticide use through nanocapsulation, nanosensor-based decision-support systems for nutrient and pest management, rapid test kits for food safety and environmental monitoring, and nano-enhanced technologies for climate-resilient agriculture and fisheries.

Institutional Capacity and Partnerships

Through sustained investment, CLSU (via CeNAF) has established state-of-the-art nanotechnology laboratories, trained technical personnel, and strong collaborations with national research institutions, funding agencies, and industry partners. The Center has completed multiple projects funded by DOST-PCAARRD and other agencies, reinforcing its institutional capacity to serve as a regional hub for nanotechnology research, innovation, and extension.

Goal

Lead and coordinate regional research and innovation initiatives in nanotechnology in support of sustainable agriculture, fisheries, food systems, public health, and environmental protection in Region III.



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Objectives

1. To champion nanotechnology research and development through collaborative programs, shared facilities, and capacity-building initiatives with government agencies, state universities and colleges, and research institutions.
2. To strengthen the integration of instruction, research, extension, and production at CLSU for the benefit of farmers, fisherfolk, students, extension workers, and other stakeholders.
3. To serve as a regional convergence platform for stakeholders in developing cost-effective, nano-enabled solutions addressing provincial, regional, and national development challenges.

Priority Programs, Projects, and Activities

1. Sustained Nanotechnology Research and Innovation Programs addressing region-specific challenges in rice-based systems, high-value crops, inland fisheries, aquaculture, water resources, and environmental protection.
2. Development of Nano-enabled Technologies Using Regional Commodities and By-products to promote value addition, waste valorization, and circular economy approaches using locally available agricultural and fishery resources.
3. Extension, Technology Transfer, and Knowledge Dissemination in partnership with LGUs, regional line agencies, SUCs, farmer and fisherfolk organizations, cooperatives, and the private sector.
4. Expansion of Student and Faculty Engagement through collaborative research, graduate training, faculty exchanges, specialized training programs, and shared laboratory facilities to strengthen regional human capital in nanotechnology.

4. REGIONAL CENTER FOR CLIMATE CHANGE AND ENVIRONMENTAL MANAGEMENT

The Center for Climate Change and Environmental Management (CCCEM), being proposed as the Regional Center for Climate Change and Environmental Management, leads the delivery of research, innovation, extension, and instruction initiatives that address the pressing challenges of climate change and environmental degradation.



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In Central Luzon, the Center for Climate Change and Environmental Management is the only center that has a facility which helps in building resistance to climate change threats using knowledge, tools, technologies and resources that are environmentally friendly and ethical, ecologically sustainable, practical and affordable. This conducts research activities about climate change impacts, vulnerability and risk assessment of various municipalities and cities on the consequences of climate change. It provides environmental education and training regarding climate change, the science behind it, its impacts, adaptation and mitigation strategies. This center also trains the local government units on the preparation of the Local Climate Change Adaptation Plan (LCCAP) to enhance the resiliency of the local communities. Moreover, it is also engaged with disaster risk reduction and management activities to develop and enhance the knowledge and skills of the faculty, staff, students and all sectors of the society in the region and even beyond.

The center develops and enhances the local communities, local government units, government agencies, private organizations, non-government organizations, and people's organizations in Region III into resilient, safe, healthy, thriving and sustainable units and communities that are empowered, educated and aware. The services mentioned do not only help the target beneficiaries but also their families and the community where they belong. When these undertakings are sustained, more people will become knowledgeable about climate change, climate change adaptation, green technology, biodiversity conservation, and environmental education. It is also able to provide assistance to national agencies through partnerships and collaborations. Specifically, the achievement of a shared responsibility and collective action for environmental management, biodiversity conservation, adaptation to climate change impacts through partnerships among local communities, academe, and government will make Central Luzon prepare, equip and sustainable.

With more sustainable projects, the institute would be able to monitor possible threats and problems in biodiversity and immediately develop solutions, formulate more technologies aside from phytoremediation to address pollution, regularly monitor changes that would be incorporated in various remote sensing studies and LiDAR applications such as production of high value crops, irrigation assessment, aquaculture production, forest protection and discovery of renewable energy sources, continue conducting climate change studies in different parts of Central Luzon, and conduct follow-up activities, seminars, workshops, and training regarding environmental education.

Goal

The Regional Center for Climate Change and Environmental Management is dedicated to lead and provide research, innovation and extension services on the causes



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and consequences of climate change and provide environmental management in the natural and agricultural resources with options for a healthy, sustainable and productive environment.

Objectives

1. Lead climate change adaptation, mitigation, and environmental management initiatives from campus to community and beyond.
2. Advance innovative, interdisciplinary research on climate, biodiversity, disaster risk reduction, and environmental sustainability.
3. Develop and transfer science-based technologies and policies that strengthen climate resilience and sustainable practices.
4. Empower resilient communities through environmental education, training, extension services, and public awareness programs.
5. Build strong local, national, and international partnerships to address climate change and environmental challenges.

Specific Programs, Projects and Activities

To effectively deliver its mandate, the Center organizes its research, development, and extension functions into two specialized divisions namely:

- a. Climate Change Adaptation and Disaster Risk Reduction Management Division (CCA & DRRMD)

The CCA & DRRMD is a specialized unit within the Center for Climate Change and Environmental Management (CCCEM) that focuses on conducting research, innovation and extension activities related to various aspects of climate change. Through its efforts, the division contributes valuable insights to the development of policies, practices, and community-based initiatives aimed at addressing the challenges posed by a changing climate. Additionally, its work extends beyond regional boundaries, recognizing the interconnected nature of climate systems and the importance of collaborative efforts to address global climate issues.

It envisions the following research agenda:

- Climate change vulnerability assessment and adaptation strategies



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- Disaster risk reduction and management
- Monitoring of hazards and disasters through remote sensing studies
- Crop and pest forecasting and monitoring
- Monitoring of environmental issues in various ecosystems through remote sensing studies
- Ecological modeling

These will be translated to the following extension agenda:

- Provide support to the Office of the Vice President for Administration on DRRM of CLSU
- Provide consultancy services on the formulation of Local Climate Change and Action Plan (LCCAP) to LGUs
- Provide information and build resilience among people through DRRM-intensive information campaign
- Development of website for crop monitoring and forecasting

2. Environmental Management Division (EMD)

The EMD is a specialized branch within the broader framework of the Center for Climate Change and Environmental Management (CCCEM). The primary focus of the EMD is to conduct research, innovation and extension activities with a specific emphasis on various aspects of environmental management in Region III and its neighboring areas.

The division aims to contribute to the development of sustainable practices and policies, fostering a balanced coexistence between human activities and the natural environment using advanced technologies such as remote sensing, drone, artificial intelligence and machine learning. It has the following relevant research agenda:

- Biodiversity assessment and conservation studies
- Phytoremediation
- Pollution prevention
- Solid Waste Management
- Development of botanical pesticides
- Monitoring of environmental issues in various ecosystems
- Land use and water use allocation
- Coastal resource management
- Cave management and restoration
- Sustainable tourism
- Sustainable food systems



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These are translated to extension agenda of the division:

- Craft policies and programs related to environmental management
- Provide technical services on the preparation of Comprehensive Land Use Plan (CLUP), Comprehensive Development Plan (CDP), Local Climate Change Action Plan (LCCAP) and Tourism Development Plan (TDP)
- Provide consultancy services on the formulation of Land Use Development and Infrastructure Plan (LUDIP)
- Provide training in environmental governance
- Provide consultancy services on environmental impact assessment (EIA)

Linkages and Networks

The Center has partnered with several national government agencies in the conduct of its research, extension, and training activities. These are the Environmental Management Bureau (EMB), Department of Environment and Natural Resources (DENR), Philippine Association of Tertiary Level Educational Institutions in Environmental Protection and Management (PATLEPAM), Commission on Higher Education (CHED), Department of Agriculture – Bureau of Agricultural Research (DA-BAR), Department of Science and Technology – Philippine Council for Agricultural, Aquatic and Natural Resources Research and Development (DOST-PCAARRD), Department of Agriculture-Philippine Rice Research Institute (PhilRICE), Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD), University of the Philippines Diliman, University of the Philippines Los Baños, Protected Area Management Board (PAMB), Bureau of Fisheries and Aquatic Resources (BFAR), National Museum of the Philippines (NMP), Department of Interior and Local Government (DILG), National Research Council of the Philippines (NRCP), Marine Science Institute, University of the Philippines (MSI, UP), Biodiversity Management Bureau, Central Luzon Agriculture and Resources Research and Development Consortium (CLARRDEC), Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAG-ASA – DOST), Philippine Institute of Volcanology and Seismology (PHILVOCS – DOST), Philippines National Mapping and Resource Information Authority (NAMRIA – DENR).

The center has also worked together with some non-governmental organizations such as Peace Corps Philippines, The Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation, Inc., Energy Development Corporation (EDC), First Gen Hydro Power, Tanggol Kalikasan, Inc, and Weed Science Society of the Philippines, Inc. Lastly, the center



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collaborated with various LGUs in Aurora, Bataan, Bulacan, Nueva Ecija, Pampanga, Zambales, and Pangasinan, SUCs in Region III, Department of Agriculture – Provincial, Department of Environment and Natural Resources – Provincial, CENRO, PDRRMC/PPDO, and Bureau of Fisheries and Aquatic Resources (BFAR Region III). It also cooperated with non-governmental organizations such as Farmer’s Organization, Fisher folks Association, and Tribe of Dumagat, Magbukon-Aeta and Kalanguya (Indigenous People).

Awards and Recognitions

- StudyPH Sustainable Education Tourism Award 2023 for the eFARM (engaging Food and Agriculture Resources Management) Academy
- 1st Best Presenter, 2024 Annual Launch of Knowledge Products for Adoption and Commercialization
- 2nd Placer, Innovation, Variation, Acceleration through Research
- Qualifier for AFMA R&D Paper Award for the paper, Mapping of Rice Production Area using Remote Sensing Technology and Spectral Characterization of Rice at Different Growth Stages
- Qualifier for AFMA R&D Paper Award for the paper, Spectral Characterization of Bacterial Leaf Blight of Rice through Spectroscopy and Remotely Sensed Multi-Spectral Imagery

Section 4. Source of Funds. For the effective and efficient implementation of this Act, the amount of Twenty Million Pesos (Php 20,000,000.00) is hereby appropriated from the unappropriated funds of the National Treasury.

Section 5. Separability Clause. If any provision or part hereof is held invalid or unconstitutional, the remainder of the law or the provision not otherwise affected shall remain in force and effect.

Section 6. Repealing Clause. All laws, decrees, orders, rules, and regulations or parts thereof inconsistent with this Act or the rules and regulations promulgated pursuant thereto are hereby repealed or amended accordingly.

Section 7. Effectivity Clause. This Act shall take effect fifteen (15) days after its publication in at least two (2) national newspapers of general circulation.