



HOUSE OF REPRESENTATIVES

H. No. 10712

BY REPRESENTATIVES VIOLAGO, GO (M.), ESCUDERO, GARCIA (P.J.), SAVELLANO, TAMBUNTING, MARIANO-HERNANDEZ, TY (D.), BABASA, TUTOR, SANGCOPAN, BARBA, LOYOLA, SUANSING (E.), BORDADO, LABADLABAD, SAULOG, NAVA, ABUNDA, NATIVIDAD-NAGAÑO, DALOG, ELAGO AND YAP (E.), PER COMMITTEE REPORT NO. 1438

AN ACT
DESIGNATING THE CENTRAL LUZON STATE UNIVERSITY IN THE SCIENCE CITY OF MUÑOZ, PROVINCE OF NUEVA ECIJA, AS THE RESEARCH AND DEVELOPMENT REGIONAL ZONE OF CENTRAL LUZON, AND APPROPRIATING FUNDS THEREFOR, AMENDING FOR THE PURPOSE REPUBLIC ACT NO. 4067, ENTITLED "AN ACT TO CONVERT THE CENTRAL LUZON AGRICULTURAL COLLEGE INTO THE CENTRAL LUZON STATE UNIVERSITY AND AUTHORIZING THE APPROPRIATION OF ADDITIONAL FUNDS THEREFOR"

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

1 **SECTION 1.** It is hereby declared the policy of the State to give priority to research
2 and development, invention, innovation, and their utilization, and to science and technology
3 education, training, and services, as provided for under Article XIV, Section 10 of the
4 Constitution.
5

6 To this end, the Central Luzon State University (CLSU), located in the Science City
7 of Muñoz, Province of Nueva Ecija, shall continue to deliver excellent service in instruction,
8 research and publication, extension services, and local and international linkages, and strive
9 to implement more research programs of high impact to the agricultural sector.
10

11 **SEC. 2.** The CLSU is hereby designated as the Research and Development
12 Regional Zone of Central Luzon. As such, the following existing research centers of the
13 CLSU are hereby declared as Regional Centers of Central Luzon:
14

15 **A. Regional Center for Advancement of Mushroom Research and Development**
16 **(RCAMRD).** – The Regional Center for the Advancement of Mushroom Research and

1 Development shall be dedicated exclusively to advanced mushroom research and
2 development and shall be handled by academic professionals with advanced degrees in
3 biology who are specializing in mushroom science and biotechnology. The RCAMRD shall
4 focus on basic and applied research on the different aspects of mushroom biology and
5 biotechnology and shall strive to develop practical and innovative technologies and empower
6 communities for sustainable development and global competitiveness. It shall have the
7 following objectives:
8

- 9 (1) Encourage community-based participation in the development of the rural-based
10 mushroom industry; and
11 (2) Provide a more vital linkage between the rural-based industry and the academe while
12 utilizing indigenous resources and practical technologies.
13

14 The RCAMRD shall continue to generate practical and innovative technologies such as
15 the following:
16

- 17 (1) Zero rice waste technology for mushroom production (utilization of rice straw-based
18 substrate formulations for mushroom production);
19 (2) Biotechnological production of Schizophyllum using Schizophyllum commune;
20 (3) Indoor cultivation technology for paddy straw mushroom; and
21 (4) The adaptability of exotic mushrooms under Philippine conditions.
22

23 **B. Regional Center for Molecular Biology and Biotechnology Resource Center.** – The
24 CLSU Biotechnology and Analytical Laboratory, hereinafter referred to as the Molecular
25 Biology and Biotechnology Research Center (MBBRC), shall be the CLSU's key laboratory
26 covering a wide range of primary, applied, and developmental research projects for agricultural
27 and selected non-agricultural concerns based on university, regional, and national research
28 priorities. The MBBRC shall provide hands-on training using state-of-art equipment to hone
29 the knowledge and skills of students on biotechnology trends, and to allow faculty and
30 researchers to conduct molecular studies, apply analytical skills, and share the results of such
31 studies in order to advance biotechnology and its practical applications to modern-day living.
32 It shall likewise provide training on mushroom production.
33

34 As the center of excellence in Biology, the MBBRC shall support the Biology Department
35 of the CLSU. It shall have the following objectives:
36

- 37 (1) Provide access to state-of-the-art scientific expertise and equipment that are too costly
38 for individual scientists and other researchers to have in the laboratories;
39 (2) Facilitate and provide opportunities for educating students and other clientele on
40 modern biotechnology techniques; and
41 (3) Develop biotechnology protocols and products that will cater to the needs of the
42 academe, research, and industry.
43

44 **C. Regional Center for Nanotechnology in Agri-fishery (RCNA).** – The RCNA shall play
45 an essential and crucial role in pursuing nanotechnology Research and Development
46 (R&D) in the country. It shall have the following objectives and goals:
47

- 48 (1) Lead research undertakings in the region, aimed at discovering more nanotechnology
49 applications towards attaining sustainable development;
50 (2) Champion nanotechnology R&D in cooperation with government institutions in the

1 region in terms of collaborative research, innovations, shared facility, and capacity
2 building;

- 3 (3) Serve as the lynchpin that shall efficiently link instruction, research, extension, and
4 production endeavors and maximize their beneficial outcomes for various stakeholders,
5 including policy makers and program implementors; and
6 (4) Serve as a common ground to all stakeholders to collectively respond to the challenges
7 of promoting the use of nanotechnology for the advancement in the agriculture and
8 fisheries sectors in the Province of Nueva Ecija, in particular, the Central Luzon region
9 and the whole country in general.

10
11 The RCNA shall undertake the following activities:

- 12
13 (1) Conduct research and development to generate innovative applications and products
14 through nanotechnology in support of regional development goals;
15 (2) Undertake extension programs to widen the dissemination and use of nanotechnology
16 in both the private and public sectors; and
17 (3) Involve students, faculty, and researchers in nanotechnology studies and projects in order
18 to create a pool of nanotechnology research experts.

19
20 **D. Regional Center for Institute for Climate Change and Environmental Management**
21 **(ICCEM).** – The ICCEM shall be a dynamic and world class institution that shall provide
22 quality education, research, training, and extension services on the causality and consequences
23 of global climate change, the management of resulting environmental conditions, and the
24 methods and strategies that may be adopted to mitigate and reverse such conditions towards
25 the protection of natural resources that support the needs of the population, and the maintenance
26 of a healthy and sustainable environment:

- 27
28 (a) Climate Change Center – shall provide environmental education and training regarding
29 climate change science, impacts, and adaptation and mitigation strategies;
30
31 (b) Green Technology Center – shall provide research, extension, and training activities in
32 Central Luzon on green technologies, such as Phytoremediation and Botanical Pesticides
33 Technology using indigenous plants;
34
35 (c) Monitoring and Training Center for Hazards and Disaster Assessment and Geospatial,
36 Photogrammetry and Remote Sensing Studies (MOCHAGERS) – shall monitor
37 environmental hazards, disasters, and the impact of climate change on various natural and
38 agricultural resources and other ecosystems. In addition, it shall conduct geospatial,
39 photogrammetry, and remote sensing studies in various natural and agricultural resources
40 and all other ecosystems, as well as training and extension activities and projects for
41 disaster preparedness, prevention, and management; and
42
43 (d) Environmental Educational Technology Center – shall develop, produce, and distribute
44 information, education, and communication materials on biodiversity conservation,
45 disaster risk reduction management, climate change, climate change adaptation,
46 phytoremediation, botanical pesticides, remote sensing or lidar technology, and
47 environmental management such as pamphlets, brochures, leaflets, posters, digital posters,
48 handbooks, podcast, and audio-visual presentations.

1 These centers of the ICCEM shall have the following objectives:
2

- 3 (1) Assist in the development of empowered, resilient, and sustainable communities;
- 4 (2) Help build resistance to climate change threats using knowledge, tools, technologies,
5 and environmentally friendly and ethical resources for ecological sustainability;
- 6 (3) Develop partnerships with all sectors of the society at the local, national, international
7 levels to address climate change and enhance environmental management;
- 8 (4) Conduct research on climate change, biodiversity, green technology
9 (phytoremediation and botanical pesticides, and others), remote sensing studies on
10 environmental issues, disaster risk reduction, management and climate change impacts,
11 pollution prevention, and other environmental concerns;
- 12 (5) Conduct training activities on climate change science, impacts, and local adaptation
13 plan, disaster preparedness, biodiversity conservation, environmental issues,
14 environmental management, pollution prevention, and other environmental concerns;
- 15 (6) Increase public awareness of environmental issues through information dissemination
16 and the provision of extension services, as well as establish learning centers and
17 museums on biodiversity, climate change, and green technology for public education
18 and awareness;
- 19 (7) Spearhead activities on environmental management and conservation in Central Luzon;
20 and
- 21 (8) Develop, improve and package proper and appropriate technologies or management
22 schemes to conserve the biodiversity of all ecosystems in the region.
23

24 **SEC. 3.** The amount necessary for the effective implementation of this Act shall be
25 included in the annual General Appropriations Act.
26

27 **SEC. 4.** If, for any reason, any part or provision of this Act is declared invalid or
28 unconstitutional, the remaining parts or provision not affected shall remain in full force and
29 effect.
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31 **SEC. 5.** The provisions of Republic Act No. 4067 entitled "An Act to Convert the
32 Central Luzon Agricultural College into the Central Luzon State University and Authorizing
33 the Appropriation of Additional Funds Therefor", as amended, and all other laws, decrees,
34 orders, rules, and regulations or parts thereof that are inconsistent with the provisions of this
35 Act or the rules and regulations promulgated pursuant thereto are hereby repealed or
36 amended accordingly.
37

38 **SEC. 6.** This Act shall take effect fifteen (15) days after its publication in the *Official*
39 *Gazette* or in a newspaper of general circulation.

Approved,