

**PROJECTS, PROGRAMS, BENEFICIARIES AND STATUS OF IMPLEMENTATION**  
Administered by the Office of the Vice President for Academic Affairs (OVPA)

**KRA: TRANSPARENT, ACCOUNTABLE AND PARTICIPATORY GOVERNANCE**

Program Title	Name of Proponent	CU	Unit	Beneficiaries	Funding Sources	Duration (Years)	Start	End	Status (completed, ongoing, terminated)	Total Program Budget	Publications	Other Outputs (e.g. masteral/doctoral students graduated, patent filed, book, policy paper, etc)
Towards good water governance for development: A multi-case analysis	Rola, Agnes	UPLB	CPAD	Policy makers, LGUs, national agencies, academe, NGOs, general public	EIDR (reprogrammed funds)	4 years	2012	2016	Ongoing	19,607,420.00	Pintor LL, Dizon JT, Rola AC, Quimbo MT and Dinh Ha Q. 2013. Allocation and usage of water for irrigation water governance in Sta. Cruz River watershed, Laguna, Philippines. <i>International Journal of Ecology and Conservation</i> 7, 70-87.	Assisted the river councils in Benguet and Laguna in the preparation of their water management plans
											Hall R, Lizada J, Dayo MH, Abansi C, David M and Rola A. 2015. To the last drop: The political economy of Philippine water policy. <i>Water Policy</i> 17, 946-962. Doi: 10.2166/wp.2015.150.	Institutionalization of the Balili River System Revitalization Coalition (BRSRC)
											Rola AC, Pulhin JM, Tabios GQIII, Lizada JC and Dayo MHF. 2015. Challenges of water governance in the Philippines. <i>Philippine Journal of Science</i> 144, 197-208.	Proposed the revitalization of the Tigum-Aganan Watershed Management Board (TAWMB)
											Rola AC, Abansi CL, Arcala-Hall R, Lizada JC, Siason IML and Araral EKJr. 2015. Drivers of water governance reforms in the Philippines. <i>International Journal of Water Resources Development</i> 32, 135-152. Doi:10.1080/07900627.2015.1060196.	Sta. Cruz watershed stakeholders to prepare an investment plan on solid waste management
											Rola AC, Abansi CL, Arcala-Hall R and Lizada JC. 2016. Characterizing local water governance structure in the Philippines: Results of the water managers' 2013 survey. <i>Water International</i> 41, 231-250. Doi:10.1080/02508060.2015.1113078.	Presentation to Congress of the project findings
											Abansi CL, Doble MCC, Cariño JK and Rola AC. 2016. Beyond prices: The cultural economy of water in the Cordillera highlands of Northern Luzon, Philippines. <i>Asia Pacific Viewpoint</i> 57, 280-293. Doi:10.1111/apv.12126.	
Towards an enhanced health care system by community managed health programs (CMHPs) to achieve better health outcomes: a community participatory research for advocacy to local government units (LGUs), Department of Health (DOH), Philippine Institute for Traditional and Alternative Health Care (PITAHC), and Philippine Insurance Corporation (PhilHealth)	Co, Edna	UPD	NCPAG	General public, health care providers, LGUs, government agencies, researchers	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	19,999,855.92		Established "Best Practice Guidelines" for the management of 10 common community diseases  Established linkages with PhilHealth and DOH-HPDPB  Presentations in national conferences

**KRA: RAPID, INCLUSIVE AND SUSTAINED ECONOMIC GROWTH**

Program Title	Name of Proponent	CU	Unit	Beneficiaries	Funding Sources	Duration (Years)	Start	End	Status (completed, ongoing, terminated)	Total Program Budget	Publications	Other Outputs (e.g. masteral/doctoral students graduated, patent filed, book, policy paper, etc)
Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines	Billones, Junie	UPM	CAS	General public, medical/health practitioners, researchers	EIDR (reprogrammed funds)	4 years	2012	2016	Ongoing	38,283,500.00	Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Emnacen IA and Sy BA. 2013. Virtual screening against <i>Mycobacterium tuberculosis</i> Lipoate Protein Ligase B ( <i>MtbLipB</i> ) and <i>In Silico</i> ADMET Evaluation of Top Hits. <i>Oriental Journal of Chemistry</i> 29, 1457-1468.	Set up of computational facilities in UP Manila
											Billones JB and Valle AMF. 2014. Structure-based design of inhibitors against maltosyltransferase GIGe. <i>Oriental Journal of Chemistry</i> 30, 1137-1145.	Set up of synthesis laboratory in UP Manila
											Clavio NAB and Billones JB. 2014. Virtual screening against <i>Mycobacterium tuberculosis</i> isocitrate lyase and <i>in silico</i> ADME-Tox evaluation of top hits. <i>Journal of Chemical and Pharmaceutical Research</i> 6, 727-738.	Establishment of a computer-aided drug discovery and development research group in UP Manila
											Billones J, Carrillo MC, Organo V, Macalino SJ, Emnacen I and Sy JB. 2014. Virtual screening against <i>M. tuberculosis</i> 7,8-Diaminopelargonic Acid Synthase ( <i>MtbBioA</i> ) and <i>In Silico</i> Toxicity Evaluation of Top Hits. <i>Current Enzyme Inhibition</i> 10, 105-112.	Graduated 26 BS Biochemistry, 1 MS Health Informatics students
											Sampaco A-RB III and Billones JB. 2015. Virtual screening of natural products, molecular docking and dynamics simulations on <i>M. tuberculosis</i> S-adenosyl-L-homocysteine Hydrolase. <i>Oriental Journal of Chemistry</i> 31, 1859-1865.	Research collaborations with Sophia University, Japan; Chulalongkorn University, Thailand; National University of Singapore, Singapore; Rutgers University, USA
											Vios VSL and Billones JB. 2015. Cluster and multi-linear regression analyses guided identification of molecular descriptors that account for cyclooxygenase activities. <i>Journal of Chemical and Pharmaceutical Research</i> 7, 735-742.	
											Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Sy JBA, Emnacen IA, Clavio NAB and Concepcion GP 2016. Towards antituberculosis drugs: in silico screening of synthetic compounds against <i>Mycobacterium tuberculosis</i> L,D-transpeptidase 2. <i>Drug Design, Development and Therapy</i> 10, 1147-1157.	

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Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative	Mijares, Armand Salvador	UPD	ASP	Researchers, academe, indigenous communities	EIDR (reprogrammed funds)	4 years	2012	2016	Ongoing	24,243,944.00	<p>Porr M, Mijares ASB, Pawlik A, Piper P and Padilla SJr. 2012. North of the Southern Arc - The Mindoro Archaeological Research Program: A summary of the 2010 and 2011 fieldwork activities. Australian Archaeology 75, 110-117.</p> <p>Pawlik AF, Piper PJ, Faylona MGPG, Padilla SGJr, Carlos J, Mijares ASB, Vallejo BJr, Reyes M, Amano N, Ingicco T and Porr T. 2014. Adaptation and foraging from the Terminal Pleistocene to the Early Holocene: Excavation at Bubog on Ilin Island, Philippines. Journal of Field Archaeology 39, 230-247.</p> <p>Pawlik A, Piper P and Mijares ASB. 2014. Modern Humans in the Philippines: Colonization, Subsistence and New Insights into Behavioural Complexity. In M. Porr and R. Dennell (eds), Southern Asia, Australia and the Search for Human Origins, Cambridge Press, 135-147.</p> <p>Mijares ASB. 2015. Human Emergence and Adaptation to an Island Environment in the Philippine Paleolithic. In Kaifu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&amp;M University Press, 171-181.</p> <p>Neri LAM, Pawlik AF, Reepmeyer C, Mijares ASB and Paz VJ. 2015. Mobility of early islanders in the Philippines during the Terminal Pleistocene/Early Holocene boundary: pXRF-analysis of obsidian artefacts. Journal of Archaeological Science 61, 149-157.</p> <p>Pawlik AF. 2015. Detecting Traits of Modern Behavior through Microwear Analysis. In Kaifu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&amp;M University Press, 183-198.</p> <p>Pawlik A. 2015. Vorgeschichte der Philippinen: Kulturelles Hinterland oder einfach nur paradiesisch? [Prehistory of the Philippines: Cultural backyard or simply paradisial?]. In A. Reinecke and M. Tjoa-Bonatz (eds.), Im Schatten von Angkor: Archäologie und Geschichte Südostasiens, Mainz: Philipp von Zabern, Germany, 21-29. ISBN: 9783805349222.</p> <p>Pawlik A. 2015. Frühe Seefahrer: Die Eroberung der Inselwelt jenseits des Sundalandes [Early seafarers: the conquest of the island world beyond Sundaland]. In A. Reinecke and M. Tjoa-Bonatz (eds.), Im Schatten von Angkor: Archäologie und Geschichte Südostasiens, Mainz: Philipp von Zabern, Germany, p. 30. ISBN: 9783805349222.</p> <p>Pawlik A, Piper PJ, Wood RE, Lim KKA, Faylona MGPG, Mijares ASB and Porr M. 2015. Shell tool technology in Island Southeast Asia: an early Middle Holocene Tridacna adze from Ilin Island, Mindoro, Philippines. Antiquity 89, 292-308.</p>	<p>Documentary film titled "Developing Archaeological Science: The Aklan Survey" in collaboration with Film Institute</p> <p>Mentoring of 2 MA, 2 PhD students</p>

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Social-ecological resilience on different spatial and temporal scales (Emphasis on the coast)	Yap, Maria Helena	UPD	CS	LGUs, coastal and rural communities, farmers, researchers	EIDR (reprogrammed funds)	4 years	2012	2016	Ongoing	9,159,992.00	Wagner A, Yap DLT and Yap HT. 2015. Drivers and consequences of land use patterns in a developing country. Agriculture, Ecosystems and Environment 39, 78-85.	Graduated 1 MS student, National Institute of Physics  Internship of MS student from the Ecole Normale Supérieure de Paris  ABS-CBN video on Abra de Ilog, Mindoro  MOU between UP and Ecotone Resilience
Wood to energy: Use of fast growing plantation tree species as fuel pellets in the Philippines	Acda, Menandro	UPLB	CFNR	Agriculture, industry, researchers	EIDR (reprogrammed funds)	4 years	2013	2017	Ongoing	18,000,003.00	Acda MN. 2015. Fuel pellets from downed coconut ( <i>Cocos nucifera</i> ) in super typhoon Haiyan. Biomass and Bioenergy 83, 539-542.	Set up of a wood pellet pilot plant in UPLB
One UP Health Benefits Action Research: Towards a gendered universal health care sectoral model utilizing an information technology system	Claudio, Sylvia	UPD	CSWCD	Health care practitioners, UP employees, researchers	EIDR (reprogrammed funds)	2 years	2013	2015	Ongoing	7,456,350.00		Setting up of the One UP Health website  Key informant interviews with Barangay UP, UP HRDO, UHS, GSIS, SSS, PhilHealth, PCSO  MOU with PhilHealth
Exploring a theory of engaged collaboration across borders among Transnational Advocacy Networks	Gata, Ma. Larissa Lelu	UPLB	CFNR	Researchers, academe, NGOs	EIDR (reprogrammed funds)	2 years	2013	2015	Completed	3,417,620.00	Gata MLLCP. 2014. Environmental inequalities among indigenous people in the Philippines: The case of the Tagbanua in Tara Islands, Philippines. Journal of Environment and Development 5, 31-38.  Gata MLLCP. 2014. Community-based Strategies to Climate Change Adaptation: A Teaching-Learning Module for Inclusive Development. [online platform]  Gata MLLCP. 2016. Philippines, Families. In Shehan C. (ed), The Wiley Blackwell Encyclopedia of Family Studies, 1-5. John Wiley and Sons, Inc. [ISBN: 978-0-470-658451/ DOI:10.1002/9781119085621.wbefs251]	NGO-academe forum Audio-visual presentation  Online discussion forum for local discussion groups  Hosted 1 USAID Global Research and Innovation Fellowship Network Fellow  Copyright application of the Community-based Information Database System

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The use of the ethylene antagonist 1-methylcyclopropene (1-MCP) to prolong the shelf-life of minimally processed fruits and vegetables	Israel, Katherine Ann	UPLB	CA	Food processing industry, researchers	EIDR (reprogrammed funds)	2 years	2013	2015	Completed	2,996,672.00	Bernardino, MA, Castillo-Israel, KAT, Serrano, EP, Gandia, JBL, and Absulio, WL. 2015. Efficacy of 1-methylcyclopropene (1-MCP) post cutting treatment on the storage quality of fresh-cut 'Queen' pineapple (Ananas comosus (L.) Merr.cv. 'Queen'). International Food Research Journal 23, 667-674.		
											Castillo-Israel, K.A.T., Gandia, J.B.L., Velez, A.C.G., Absulio, W.L. and Bainto, L.C. 2015. Storage quality of fresh-cut Philippine "Carabao" mango (Mangifera Indoxa L. cv. 'Carabao') fruits with 1-Methylcyclopropene (1-MCP) post-cutting treatment. International Food Research Journal 22, 2196-2202.		
											Relox PE, Castillo-Israel, KAT, Serrano, EP, Absulio WL and Gandia JBL. 2015. Efficacy of 1-methylcyclopropene post-cutting treatment on fresh-cut papaya (Carica papaya L. cv. 'Sinta') storage quality using two packaging forms. International Food Research Journal 22(3), 910-917.		
Clinical and autoimmune characteristic of early onset diabetes in young adult Filipinos	Pacheco, Elizabeth	UPM	CM	General public, medical/health practitioners, researchers	EIDR (reprogrammed funds)	2 years	2013	2015	Ongoing	11,552,606.00			
Versatile Instrument System for Science Education and Research – Sensors and Modules (VISSER:SM)	Tapang, Giovanni	UPD	CS	Students, teachers, researchers	EIDR (reprogrammed funds)	2 years	2013	2016	Ongoing	13,288,784.00	Hilario PL, Villangca MJ and Tapang G. 2014. Independent light fields generated using a phase-only spatial light modulator. Optics Letters 39, 2036-2039.	40 handheld multichannel data acquisition system and plug and play analog and digital sensor for use in science laboratories	
											Improso WDG, Hilario PLA and Tapang GA. 2014. Zero order diffraction suppression in a phase-only spatial light modulator via the GS algorithm. OSA Technical Digest, paper FTu4C.3.		Laboratory and instructional manuals for 40 experiments in various fields
											Carasco MCA, Pizarro JPP and Tapang G. 2015. Development of a microcontroller-based wireless accelerometer for kinematic analysis. Journal of Mechatronics, Electrical Power and Vehicular Technology 6, 1-8.		40 experiments in biology, chemistry, physics, environmental science and engineering
											Development of software for control, user interface and analytical tools		
											Development of an LED-based spectrometer for advanced chemistry laboratory experiments		
The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique	Bacani, Jerico	UPB	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2014	2016	Completed	2,090,560.00	Bacani JB and Rabago JFT. 2015. On the second-order shape derivative of the Kohn-Vogelius objective functional using the velocity method. International Journal of Differential Equations, Article ID 954836, DOI:10.1155/2015/954836.	Mentoring of 1 MS student	
												Presentations in international and national conferences	

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Interdisciplinary research and development for the production and utilization of Gabing San Fernando (Xanthosoma sagittifolium (L) Schott, Melet) for food, feeds and fuel	Garcia, Jose Nestor	UPLB	CA	Farmers, reseachers, industry	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	9,979,732.00		Mentoring of 1 MS and 2 BS students  Presentations in international and national conferences
Development of laboratory scale production protocols for recombinant enzymes towards commercialization	Garcia, Roberta	UPLB	CA	Farmers, reseachers, industry	EIDR (reprogrammed funds)	4 years	2014	2018	Ongoing	10,000,000.00		Mentoring of 1 MS student
Bifurcations in laser networks with Sn symmetry	Collera, Juancho	UPB	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	930,220.00	Buono PL and Collera JA. 2015. Symmetry-breaking bifurcations in rings of delay-coupled semiconductor lasers. Society for Industrial and Applied Mathematics Journal on Applied Dynamical Systems 14, 1868-1898.	Presentation in international conference
Exploring the molecular, chemical, and material ecology of coral interspecies interactions	Conaco, Ma. Cecilia	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	5,225,670.00		Presentations in national conferences
Identifying transaction costs and assessing its effects in agriculture: The case of farmer's market participation in the Philippine rice sector	Cuevas, Agham	UPLB	CEM	Farmers, rice producers, entrepreneurs, researchers	EIDR (reprogrammed funds)	1 year	2014	2015	Completed	1,137,000.00	Cuevas A and Clarete RL. 2015. Effect of transaction costs on farmers's market participation in the Philippine rice sector. Crop Protection Newsletter 40, 35-44.	
Assessment of the effects of combining biochar, biofertilizer and vermicompost on soil quality and crop production	Aggangan, Nelly	UPLB	BIOTECH	Farmers, researchers, agriculture industry	EIDR (reprogrammed funds)	4 years	2015	2019	Ongoing	10,500,000.00		Patent application for Mykorich
Drug use behavioral health among adolescents in Metro Manila	Estacio, Leonardo	UPM	CAS	Health care providers, researchers, general public	EIDR (reprogrammed funds)	3 years	2015	2018	Ongoing	16,673,383.00		Research partnership agreement with DOH, Dangerous Drugs Board, treatment and rehabilitation centers  Production of a software/program that aids in the data collection and analysis
Development of a nanoparticle-based biosensor for the detection of prevalent Escherichia coli O157:H7 strain in the Philippines	Fernando, Lilia	UPLB	BIOTECH	General public, meat producers, government agencies, researchers	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	2,500,000.00		

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Automated constructions of phylogenetic trees and networks of languages in the Greater Central Philippines by a feature-sensitive metric	Lemence, Richard	UPD	CS	Academe, researchers	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	9,243,000.00		
Mathematical analysis of climate-based malaria transmission model with age-structure human population	Addawe, Joel	UPB	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	1,609,560.00		Mentoring of 2 MS students  Presentations in international and national conferences
Effects of shaped filler reinforcement on the diffusion behavior of liquids in polymer composites	Pajarito, Bryan	UPD	CEngg	Researchers, materials industry	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	2,893,000.00	Pajarito BB, Dang-Awan DF, Felipe, MAA and Handa KC. 2016. Sorption and degradation behaviour of epoxy composites reinforced with amine-coated polyester triangular bars in acid environment. Key Engineering Materials 705, 93-97.	
Recombinant protein expression and immunological characterization of de-antigenized human influenza H3 hemagglutinin	Rivera, Windell	UPD	CS	General public, pharmaceutical companies, researchers	EIDR (reprogrammed funds)	4 years	2014	2018	Ongoing	16,346,364.00		
Analysis of susceptibility variants (Single Nucleotide Polymorphisms or SNPs) in candidate genes to unravel the genetic basis of preeclampsia (pregnancy-induced hypertension) among Filipino women	Saloma, Cynthia	UPD	CS	General public, health/medical practitioners, researchers	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	5,684,600.00		
Over-expression, purification and characterization of a recombinant thermostable endoglucanase for effective hydrolysis of lignocellulosic materials	Tambalo, Richard	UPLB	BIO-TECH	Fuel industry, researchers	EIDR (reprogrammed funds)	2 years	2014	2016	Ongoing	2,500,000.00		
Protein engineering of the major storage protein of mungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity	Torio, Mary Ann	UPLB	CAS	Researchers	EIDR (reprogrammed funds)	4 years	2015	2019	Ongoing	10,000,000.00		

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Philippine performance archive: Ritual, dance, theatre	Ick, Judy Celine	UPD	CAL	Academe, students	EIDR (reprogrammed funds)	2 years	2016	2018	Ongoing	19,715,132.00		Mentoring of 6 MA and 2 BA students UPOU Forum on Digital Humanities Documentation of cultural performances Writing workshops
Molecular and culture-based characterization of bacterial community from Manleluag Alkaline Spring in Pangasinan	Nacita Lantican	UPLB	CAS	Researchers	EIDR (reprogrammed funds)	2 years	2016	2018	Ongoing	10,038,256.00		Mentoring of 2 MS students
Conus structural exogenomics program	Lluisma, Arturo	UPD	CS	Researchers	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	9,435,376.00		Mentoring of 1 PhD and 6 MS students
The Mass Transit System in Metro Manila: From Tranvia to MRT, 1879-2014	Jose, Ricardo	UPD	CSSP	Policy makers, LGUs, national agencies, academe, general public	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	10,075,688.00		Mentoring of 3 BS students MOA with National Archives of the Philippines (NAP) Presentations in national conferences
Profiling and functional characterization of novel mutations in the EGFR cellular proliferation and cell survival pathways among Filipino young-onset, sporadic colorectal cancer patients	Garcia, Reynaldo	UPD	CS	General public, health/medical practitioners, researchers	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	17,638,246.00		Mentoring of 1 PhD, 4 MS and 2 BS students Presentations in international and local conferences
Learning Tourism Destinations: Creating functional partnerships and initiating positive change for sustainable tourism development in local economies	Mena, Miguela	UPD	AIT	General public, LGUs, national agencies, academe	EIDR (reprogrammed funds)	2 years	2016	2018	Ongoing	6,500,000.00		Mentoring of 4 MS/MA students Presentations in international conferences MOA with Holy Name University
Towards a molecular level understanding of essential oil: Protein interactions and their applications as insect biocontrol agents	Junio, Hiyas	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	20,000,772.00		Mentoring of 1 BS and 3 MS students
Development of bioactive cyclotides from Philippine biodiversity	Hernandez, Christine	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	14,997,096.00		Mentoring of 3 MS students



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Bugkos: Putting equitable development at the center of the Asian Century	Raquiza, Antoinette	UPD	AC	Policy makers, LGUs, national agencies, academe, NGOs, general public	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	5,449,780.00		Public forum
Conduction in disordered materials in the low-frequency region	Tapia, Alvin Karlo	UPLB	IMSP	Researchers, academe	EIDR (reprogrammed funds)	2 years	2015	2017				Mentoring of 2 MS students Presentations in a regional conference Conducted a workshop on THz spectroscopy
TiO <sub>2</sub> -based nanomaterials and nanocomposites as photoelectrocatalysts for the removal and sensing of synergistic organic pollutants	Yago, Allan	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	15,616,008.00		Mentoring of 1 MS student
Control aspects of the cardiovascular-respiratory system	de los Reyes, Aurelio V	UPD	CS	General public, health/medical practitioners, researchers	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	2,498,790.00		Mentoring of 1 MS student Presentation in an international conference
On the decomposition of matrices related to symmetric or skew symmetric bilinear forms and its relation to some known matrices	de la Cruz, Ralph John	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	2016	2018	Ongoing	1,815,200.00		Mentoring of 1 MS student
Philippine Studies on Primary Care-Pilot study in UP Diliman	Dans, Antonio	UPM	CM	General public, health/medical practitioners, researchers	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	6,992,112.00		Mentoring of 1 MS student
Promoting Rice and White Corn Combination as Food Staple for Filipinos	Salazar, Artemio	UPLB	CA	General public, researchers, general public, NGOs, national agencies	EIDR (reprogrammed funds)	2 years	2016	2018	Ongoing	13,905,000.00		Mentoring of 2 PhD, 1 MS and 1 BS students

**KRA: INTEGRITY OF THE ENVIRONMENT AND CLIMATE CHANGE ADAPTATION AND MITIGATION**

<b>Program Title</b>	<b>Name of Proponent</b>	<b>CU</b>	<b>Unit</b>	<b>Beneficiaries</b>	<b>Funding Sources</b>	<b>Duration (Years)</b>	<b>Start</b>	<b>End</b>	<b>Status (completed, ongoing, terminated)</b>	<b>Total Program Budget</b>	<b>Publications</b>	<b>Other Outputs (e.g. masteral/doctoral students graduated, patent filed, book, policy paper, etc)</b>
Efficacy of copper-based hollow kapok fiber nanocomposite for environmental purification	Balela, Mary Donnabelle	UPD	CEngg	Researchers, academe, industry	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	5,000,000.00	Agcaoili, A., Ishihara, K, &Balela, Mary Donnabelle. (2015). Preparation of Polyacrylonitrile-Kapok Hollow Microtubes Decorated with Cu Nanoparticles. MATEC Web of Conferences 27, 02008.	Mentoring of 2 MS students
Ten years after the millennium ecosystem assessment of Laguna de Bay: Towards a sustainable future	Espaldon, Ma. Victoria	UPLB	SESAM	General public, LGUs, LLDA, researchers, students	EIDR (reprogrammed funds)	2 years	2015	2017	Ongoing	20,000,000.00		Mentoring of graduate students from UP NIGS and UPLB SESAM  Mentoring of undergraduate students from Mapua Institute of Technology Hosting of three fellows from the Pan Asia Risk Reduction Fellowship Program  Collaboration with LGUs