

**EMERGING INTERDISCIPLINARY RESEARCH (EIDR) PROGRAM
(ONGOING AND COMPLETED IN 2016)**

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	CPAf	Policy makers, LGUs, national agencies, academe, NGOs, general public	EIDR (reprogrammed funds)	4.5 years	9/1/2012	2/28/2017	Ongoing-extended	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. International Journal of Ecology and Conservation 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. Water Policy 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. Philippine Journal of Science 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. International Journal of Water Resources Development 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. Water International 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. Asia Pacific Viewpoint 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)	3 years 9 months	4/1/2014	12/30/2017	Ongoing-extended	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)	5 years	9/1/2012	8/31/2017	Ongoing-extended	38,283,500.00	<p>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.</p> <p>Billones JB and Valle AMF. 2014. Structure-based design of inhibitors against maltosyltransferase GIG. <i>Oriental Journal of Chemistry</i> 30, 1137-1145.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	<p>Set up of computational facilities in UP Manila</p> <p>Set up of synthesis laboratory in UP Manila</p> <p>Establishment of a computer-aided drug discovery and development research group in UP Manila</p> <p>Graduated 26 BS Biochemistry, 1 MS Health Informatics students</p> <p>Research collaborations with Sophia University, Japan; Chulalongkorn University, Thailand; National University of Singapore, Singapore; Rutgers University, USA</p>

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)
Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative	Mijares, Armand Salvador	UPD	ASP	Researchers, academe, indigenous communities	EIDR (reprogrammed funds)	5 years	9/1/2012	8/30/2017	Ongoing-extended	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&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&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 paradisaical?]. 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>

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)
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)	5 years 5 months	8/1/2012	12/31/2017	Ongoing-extended	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 Superieure 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	7/1/2013	6/30/2017	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
											Acda MN. 2015. Physico-chemical properties of wood pellets from coppice short rotation tropical hardwoods. Fuel 160, 531-533.	
											Acda MN, Jara AA, Daracan VC, Devera EE. 2016. Opportunities and barriers to wood pellet trade in the Philippines. Ecosystems & Development Journal 6, 27-31.	
											Rojo MJA, Acda MN. 2016. Interspecific Agonistic behavior of <i>Macrotermes gilvus</i> (Isoptera: Termitidae): Implication on termite baiting in the Philippines. Journal of Insect Behavior 29, 273-282.	
											Acda MN. 2016. Physical and chemical properties of fuel pellets from agricultural residues. The Philippine Agricultural Scientist 99, 188-192.	

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)
Exploring a theory of engaged collaboration across borders among Transnational Advocacy Networks	Gata, Ma. Larissa Lelu	UPLB	CFNR	Researchers, academe, NGOs	EIDR (reprogrammed funds)	3 years	7/15/2013	7/14/2016	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. <i>Journal of Environment and Development</i> 5, 31-38.	NGO-academe forum
											Gata MLLCP. 2014. Community-based Strategies to Climate Change Adaptation: A Teaching-Learning Module for Inclusive Development. [online platform]	Audio-visual presentation
											Gata MLLCP. 2016. Philippines, Families. In Shehan C. (ed), <i>The Wiley Blackwell Encyclopedia of Family Studies</i> , 1-5. John Wiley and Sons, Inc. [ISBN: 978-0-470-658451/ DOI:10.1002/9781119085621.wbef251]	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
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)	4 years	8/1/2013	12/31/2017	Ongoing-extended	11,552,606.00		Scorecard to predict type 1 and type 2 diabetes

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)
Versatile Instrument System for Science Education and Research – Sensors and Modules (VISSER:SM)	Tapang, Giovanni	UPD	CS	Students, teachers, researchers	EIDR (reprogrammed funds)	3 years	7/1/2013	6/30/2016	Completed	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 Laboratory and instructional manuals for 40 experiments in various fields 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
											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.	
											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.	
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	8/1/2014	7/31/2017	Ongoing-extended	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
Development of laboratory scale production protocols for recombinant enzymes towards commercialization	Garcia, Roberta	UPLB	CA	Farmers, reseachers, industry	EIDR (reprogrammed funds)	4 years	11/1/2014	10/31/2018	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	4/1/2014	3/30/2016	Completed	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)	3 years	7/1/2014	6/30/2017	Ongoing-extended	5,225,670.00		Presentations in national conferences
Conduction in disordered materials in the low-frequency region	Tapia, Alvin Karlo	UPLB	IMSP	Researchers, academe	EIDR (reprogrammed funds)	2 years	12/4/2015	12/3/2017	Ongoing	2,500,000.00		Mentoring of 2 MS students Presentations in a regional conference Conducted a workshop on THz spectroscopy

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)
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 7 months	10/1/2014	4/30/2017	Ongoing-extended	2,500,000.00		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	4/1/2015	3/31/2017	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	11/1/2014	10/31/2018	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)	3 years	5/1/2014	4/30/2017	Ongoing-extended	5,684,600.00	Amosco M, Villar VAM, Naniong JMA, David-Bustamante LMG, Jose PA and Palmes-Saloma CP. 2016. VEGF-A and VEGFR1 SNPs associate with preeclampsia in a Philippine population. Clinical and Experimental Hypertension 38, 578-585.	Presentation in an international conference
Over-expression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials	Tambalo, Richard	UPLB	BIO-TECH	Fuel industry, researchers	EIDR (reprogrammed funds)	2 years	10/1/2014	9/30/2016	Completed	2,500,000.00		Invention disclosures submitted to CTTE, UPLB
Mathematical analysis of climate-based malaria transmission model with age-structure human population	Addawe, Joel	UPB	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	7/15/2015	7/14/2017	Ongoing	1,609,560.00		Mentoring of 2 MS students Presentations in international and national conferences
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	3/1/2015	2/28/2018	Ongoing	10,500,000.00		Patent application for Mykorich

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)
Multimedia and multidisciplinary teaching and learning materials: Production, Research and Assessment	Alfonso, Grace	UPOU		Researchers, academe	EIDR (reprogrammed funds)	1 year 6 months	9/28/2015	3/31/2017	Ongoing	9,500,000.00		
Interdisciplinary research on arts and culture of the Philippines	Buenconsejo, Jose	UPD	CM	Researchers, academe, general public	EIDR (reprogrammed funds)	2 years	9/24/2015	9/23/2017	Ongoing	9,629,925.00		
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	12/7/2015	12/6/2017	Ongoing	6,992,112.00		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	8/13/2015	8/12/2017	Ongoing	2,498,790.00		Mentoring of 1 MS student Presentation in an international conference
Drug use behavioral health among adolescents in Metro Manila	Estacio, Leonardo	UPM	CAS	Health care providers, researchers, general public	EIDR (reprogrammed funds)	3 years	2/1/2015	1/31/2018	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
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, researchers, industry	EIDR (reprogrammed funds)	2 years	5/1/2015	4/30/2017	Ongoing	9,979,732.00		Mentoring of 1 MS and 2 BS students Presentations in international and 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	11/25/2015	11/24/2017	Ongoing	17,638,246.00		Mentoring of 1 PhD, 4 MS and 2 BS students Presentations in international and local conferences
Development of bioactive cyclotides from Philippine biodiversity	Hernandez, Christine	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	10/27/2015	10/26/2017	Ongoing	14,997,096.00		Mentoring of 3 MS students

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)
Wavefront Engineering Research: Suppression of spurious diffraction orders	Hilario, Paul Leonard Atchong	UPD	CE	Researchers, academe	EIDR (reprogrammed funds)	2 years	12/7/2015	12/6/2017	Ongoing	2,500,000.00		
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	10/1/2015	9/30/2017	Ongoing	10,075,688.00		Mentoring of 3 BS students MOA with National Archives of the Philippines (NAP) Presentations in national conferences
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	11/13/2015	11/12/2017	Ongoing	20,000,772.00		Mentoring of 1 BS and 3 MS students
Crowdsourced sensing for student engagement in Science Education (CrowdSENSE)	Lamorena-Lim, Rheo	UPD	CS	General public Researchers, academe	EIDR (reprogrammed funds)	2 years	11/25/2015	11/24/2017	Ongoing	7,723,672.00		
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	6/8/2015	6/7/2017	Ongoing	9,243,000.00		
Conus structural exogenomics program	Lluisma, Arturo	UPD	CS	Researchers	EIDR (reprogrammed funds)	2 years	12/1/2015	11/30/2017	Ongoing	9,435,376.00		Mentoring of 1 PhD and 6 MS students
Communicating Science and Technology Research and Development at the University of the Philippines	Pernia, Elena	UPD	CMC	Researchers, academe	EIDR (reprogrammed funds)	3 years	3/22/2016	3/21/2019	Ongoing	16,516,909.70		
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	12/1/2015	11/30/2017	Ongoing	5,449,780.00		Public forum
Antropological, Mathematical Symmetry and Technical Characterization of Cordillera Textiles	Salvador-Amores, Analyn	UPB	CSS	Academe, indigenous communities	EIDR (reprogrammed funds)	2 years	4/8/2016	4/7/2018	Ongoing	9,942,928.00		

Program Title	Name of Proponent	CU	Unit	Beneficiaries	Funding Sources	Duration (Years)	Start	End	Status (complete, ongoing, terminated)	Total Program Budget	Publications	Other Outputs (e.g. masteral/doctoral students graduated, patent filed, book, policy paper, etc)
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	7/10/2015	7/9/2019	Ongoing	10,000,000.00		
TiO ₂ -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	11/9/2015	11/8/2017	Ongoing	15,616,008.00		Mentoring of 1 MS student
Integrative genomics analysis workbench for Rice Science	Yap, John Michael	UPD	CE	General public Researchers, academe	EIDR (reprogrammed funds)	2 years	7/29/2015	7/28/2017	Ongoing	1,004,008.00		
University of the Philippines in the Last Two Decades	Barrios, Erniel	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	1 year	1/14/2016	1/15/2017	Ongoing	5,544,424.00		
Reinforcing local applications of omics technology and bioinformatics	Bautista, Anita	UPD	CS	Researchers, academe	EIDR (reprogrammed funds)	2 years	1/15/2016	1/14/2018	Ongoing	16,605,096.00		
Data Science and Society: Application in Public Education	David, Clarissa	UPD	CMC	Academe, national agencies	EIDR (reprogrammed funds)	2 years	10/20/2015	10/19/2017	Ongoing	8,955,788.00		
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	1/1/2016	12/30/2017	Ongoing	1,815,200.00		Mentoring of 1 MS student
In vitro release properties and in vivo biochemical activities of microencapsulated anthocyanin extracts prepared with duhat (<i>Syzygium cumini</i> (L.) and bignay (<i>Antidesma bunius</i> II) Spreng)	Flores, Floirendo	UPLB	CA	General public, health practitioners, food processing industry, fruit industry, academe, researchers	EIDR (reprogrammed funds)	2 years	2/1/2016	1/31/2018	Ongoing	6,412,272.00		
Philippine performance archive: Ritual, dance, theatre	Ick, Judy Celine	UPD	CAL	Academe, students	EIDR (reprogrammed funds)	2 years	3/8/2016	3/7/2018	Ongoing	19,715,132.00		Mentoring of 6 MA and 2 BA students UPOU Forum on Digital Humanities Documentation of cultural performances Writing workshops

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)
Molecular and culture-based characterization of bacterial community from Manleluag Alkaline Spring in Pangasinan	Lantican, Nacita	UPLB	CAS	Researchers	EIDR (reprogrammed funds)	2 years	12/16/2015	12/15/2017	Ongoing	10,038,256.00		Mentoring of 2 MS students
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	2/1/2016	1/31/2018	Ongoing	6,500,000.00		Mentoring of 4 MS/MA students Presentations in international conferences MOA with Holy Name University
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	12/15/2015	12/14/2017	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

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)
Efficacy of copper-based hollow kapok fiber nanocomposite for environmental purification	Balela, Mary Donnabelle	UPD	CEngg	Researchers, academe, industry	EIDR (reprogrammed funds)	2 years	12/1/2015	11/30/2017	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
Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program: Developing Forest Canopy Science in the Philippines	Bantayan, Nathaniel	UPLB	CFNR	General public Researchers, academe	EIDR (reprogrammed funds)	2 years	1/7/2016	1/6/2018	Ongoing	18,554,669.00		
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	11/26/2015	11/25/2017	Ongoing	20,000,000.00		Mentoring of graduate students from UP NIGS and UPLB SESAM Mentoring of 4 BS students from Mapua Institute of Technology Hosting of three fellows from the Pan Asia Risk Reduction Fellowship Program Collaboration with LGUs
From genes to ecosystems: Understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palanan, Isabela, Philippines	Ong, Perry	UPD	CS	General public Researchers, academe	EIDR (reprogrammed funds)	2 years	12/18/2015	12/17/2017	Ongoing	20,351,180.00		