

**UP DILIMAN**  
**PROJECTS, PROGRAMS, BENEFICIARIES AND STATUS OF IMPLEMENTATION**

**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 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		
Network Analysis of Studies and Publications About the Philippine Migration Scenario	Berja, Clarinda L.	UPD, UPM		Policy making bodies, LGUs, faculty/researchers	CIDS (reprogrammed funds)	8 months	May 2015	Dec. 2015	Ongoing	607,640.00		Preliminary data analysis of studies and publications; roundtable discussions
Tracking Resource Flows and Processes in Disaster Response and Recovery: Yolanda Realities and Policy Implications	Khan, Rachel; Berse, Kristoffer	UPD	CMC	General public, Policy makers	CIDS (reprogrammed funds)	6 months	May 2015	Dec. 2015	Ongoing	499,800.00		

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

Program Title	Name of Proponent	CU	Unit	Beneficiaries	Funding Sources	Durati on (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)
Palaeoenviromental 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	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.	
											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.	
											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	
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	Adrian Wagner, David Leonides T. Yap, Helen T. Yap. 2015. Drivers and consequences of land use patterns in a developing country. Agriculture, Ecosystems and Environment 39, 78-85.	
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		

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.	
											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.	
											Mary Angelie Alagao, Dwight Angelo Bruzon, Imee Su Martinez, Giovanni Tapang. 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.	
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		
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		
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		

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		
Identification and functional analysis of the role of non-coding RNAs in hormone-dependent transcriptional regulation	Bagamasbad, Pia	UPD	CS	Neural development researchers, endocrinologists, gene regulation studies	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,500,000.00		
Transcriptome-based genetic resources for coconut scale insect (CSI) and its susceptible and tolerant host coconuts	Bautista, Anita	UPD	CS	Molecular biologists, insect pest management operators, coconut industry, coconut farmers	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,495,000.00		
Fabrication and testing of new advanced nanoceramics synthetic apparatus for energy storage and alternative energy applications	Cervera, Rhinlee Butch	UPD	Engg	Alternative energy researchers, advanced materials research, engineering students, academe	Balik PhD (reprogrammed funds)	2	2013	2015	Completed	2,500,000.00	RB Cervera, Y Oyama, S Miyoshi, I Oikawa, H Takamura and S. Yamaguchi. 2014. Nanograined Sc-doped BaZrO3 as a proton conducting solid electrolyte for intermediate temperature solid oxide fuel cells (IT-SOFCs). Solid State Ionics 264, 1-6.	Graduated 9 BS, 4 MS students
												Established and set up the Advanced Ceramics Research Laboratory at the Department of Mining, Metallurgical and Materials Engineering
Archaeological human remains from Southeast Asia: A taphonomic approach	Crozier, Catherine Rebecca	UPD	ASP	Archaeologists, students, researchers	Balik PhD (reprogrammed funds)	2	2014	2016	Ongoing	2,500,000.00		

Development of a terahertz time-domain spectroscopy (THz-TDS) to evaluate new THz emitters and detectors, and for THz spectroscopic analysis of semiconductor devices, pharmaceuticals testing, and other materials testing applications	Estacio, Elmer	UPD	CS	Semiconductor industry, advanced materials research, pharmaceuticals, researchers, academe	Balik PhD (reprogrammed funds)	2	2013	2015	Ongoing	2,500,000.00		
Establishment of a structured light laboratory within the Photonics Research Laboratory of the National Institute of Physics	Hermosa, Nathaniel	UPD	CS	Researchers, students, academe	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,500,000.00		
Discovery of selective antimicrobial agents and probiotic interventions against gut-associated diseases	Ibana, Joyce	UPD	CS	Health/medical practitioners, researchers, academe	Balik PhD (reprogrammed funds)	1	2015	2015	Ongoing	2,500,000.00		
Development of a convertible in transmission-reflection mode femtosecond second harmonic generation microscope/spectroscop e (TR-SHGM/TR-SHGS) for surface studies	Martinez, Imee Su	UPD	CS	Researchers, students, academe	Balik PhD (reprogrammed funds)	2	2013	2015	Ongoing	2,500,000.00		
Spaces in transition: Mapping Manila's peri- urban fringe	Ortega, Arnisson Andre	UPD	CSSP	Researchers, academe, urban planners	Balik PhD (reprogrammed funds)	2	2013	2015	Ongoing	2,449,000.00		
Quantum entanglement in low-dimensional systems: quantum spin chains and continuum systems	Paraan, Francis Norman	UPD	CS	Researchers, academe	Balik PhD (reprogrammed funds)	2	2013	2015	Ongoing	1,914,000.00		
Petrology and geochemistry of mantle xenoliths: Implications on the evolution of the mantle wedge beneath the Philippine island arc system	Payot, Betchaida	UPD	CS	Geologists, resource potential and geohazards studies, researchers	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,499,636.00		

Understanding cell physiology through characterization of the physical properties of cells: an atomic force microscopy perspective	Prieto, Eloise	UPD	CS	Pathologists, oncologists, medical researchers	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,500,000.00		
Discovery of small molecule therapeutics from cyanobacteria	Salvador- Reyes, Lilibeth	UPD	CS	Biomedical researchers, students, academe	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,500,000.00		
Charged particle system development for modification of polymeric surfaces	Vasquez, Magdaleno Jr.	UPD	Engg	Materials researchers, students, academe	Balik PhD (reprogrammed funds)	2	2014	2016	Ongoing	2,496,400.00	Started setting up the experimental laboratory facility and the research laboratory group (Plasma-Material Interactions Laboratory)	
											Laboratory facility is used by a graduate class on vacuum technology and thin film deposition	
											Mentoring of 12 MS students	
Tapping into novel fungal endophytes for enzymes with biotechnology applications	Yu, Eizadora	UPD	CS	Biotechnology and biotechnological applications, researchers, academe	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,500,000.00		
Comparative analysis of anti-discrimination policies at the local level: Toward gender- fair and LGBT-inclusive governance in the Philippines	Encinas- Franco, Jean	UPD		LGBT community	CIDS (reprogrammed funds)	6 months	June 2015	Dec. 2015	Ongoing	250,000.00		

Emerging Best Practices for Management of Research and Development among Selected Philippine Government and Academic Institutions: A Qualitative Approach	Cruz, Edison	UPD	TMC	Policy makers, R&D organization managers, government and academic institutions	CIDS (reprogrammed funds)	9 months	Apr. 2015	Dec. 2015	Ongoing	384,450.00		
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**KRA: INTEGRITY OF THE ENVIRONMENT AND CLIMATE CHANGE ADAPTATION AND MITIGATION**

Program Title	Name of Proponent	CU	Unit	Beneficiaries	Funding Sources	Durati on (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 transcriptome dynam+A61:M94cs in marine organisms in response to environmental challenges	Conaco, Cecilia	UPD	MSI	Marine biologists, marine researchers	Balik PhD (reprogrammed funds)	1	2013	2014	Completed	2,499,919.00	awaiting journal publication	
A cross-country research on natural disaster and risk management	Pajaron, Marjorie	UPD	SE	Risk and disaster management, disaster mitigation programs, local household, policy- makers	Balik PhD (reprogrammed funds)	2	2015	2017	new	2,500,000.00		
Coping strategies to natural disasters: Micro- meso-macro interactions and consequences	Ravago, Majah-Leah	UPD	SE	Local government units, disaster management agencies, general public	Balik PhD (reprogrammed funds)	2	2015	2017	Ongoing	2,499,894.00		
Translation of and communicating natural disaster risks via digital and social media using disaster icons	Vallejo, Benjamin Jr.	UPD	IESM	Local Government Units, PAGASA, LGU disaster risk reduction and management committees, Social media and traditional media practitioners, science educators	CIDS (reprogrammed funds)	6 months	Apr. 2015	Oct. 2015	Ongoing	400,000.00		
UP Program for Environmental Governance (UPPEG)	Co, Edna; Lapitan, Portia	UPD, UPLB, UPV		PENROs, CENROs	DENR	7 months	May 2015	Dec. 2015	Ongoing	10,000,000.00		

Review and Updating of the National Marine Policy of 1994, and the Formulation of National Marine Strategy	Co, Edna; Gamboa, Mark Anthony	UPV Miag- ao, UPD		National Coast Watch Council Secretariat	National Coast Watch Council	10 months	July 2015	Apr. 2016	Ongoing	5,210,258.00		
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