

4th CEM RESEARCH FORUM

*Linking Theory and Practice to Enhance
Research Impact and Public Service*



University of the Philippines Los Baños
COLLEGE OF ECONOMICS AND MANAGEMENT

November 14, 2016
ICOPED Auditorium, CEM, UPLB

OUR VISION

CEM as a center of excellence in instruction, research and extension in economics, agricultural and applied economics, and management in Asia; and as an institution of higher learning that can serve as a catalyst for economic and social transformation

OUR MISSION

1. To produce graduates and future leaders with strong training in economics, agricultural and applied economics, and management for addressing the challenges of economic growth and development under a competitive global setting; and
2. To engage in development-oriented research, policy advocacy and extension services that would promote efficiency, equity, competitiveness and environmental sustainability

CEM RESEARCH AND EXTENSION COMMITTEE

R&E Coordinator: Dr. Yolanda T. Garcia

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Prof. Liezel S. Cruz
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ABOUT CEM RESEARCH FORUM

The University of the Philippines (UP) Charter of 2008 states that UP “as the national university, is dedicated to the search for truth and knowledge as well as the development of future leaders.” UP has a commitment to lead the country towards national development and global competitiveness and takes the responsibility of maintaining its high academic standards in performing its unique and distinctive leadership in higher education and development. UP Charter also emphasizes that UP shall serve as a research university through conduct of basic and applied research, promotion of R&D, and dissemination and application of knowledge. Consistent with the Charter, UP Los Baños (UPLB) aims to contribute to the University’s goal of becoming a world class graduate and research university by building a culture of research, increasing scientific productivity, and promoting the public service value of researches among UPLB faculty and REPS.

The College of Economics and Management (CEM), as an academic unit of UPLB, supports the University’s thrust by organizing an annual research colloquium called the CEM Research Forum. This college-wide activity serves as a platform for faculty and researchers of CEM to share research findings, approaches, and methodologies with their own colleagues and to exchange and learn new ideas and information on the current and emerging issues and challenges in the fields of agricultural economics, economics, management and entrepreneurship, and cooperative management. It is also an avenue for promoting productive interactions among CEM faculty and REPS and more active inter-unit collaborations. The annual forum was first held on October 11, 2013 and is now on its fourth year this 2016. Through this annual activity, a number of research results have already been shared and discussed and panel discussions have been done in search for strategies to further improve the research program of the College.

CEM Research Forum is a strategic initiative of the College that is envisioned to establish a thriving and perpetual culture of research and innovation that translates into meaningful service to humanity. It does not only aspire to help increase scientific productivity of CEM constituents by encouraging them to increase the quantity and quality of their research work but also inspires them to do relevant and excellent researches that can contribute to achieving a positive economic and social transformation of our nation and the Filipino people.

4TH CEM RESEARCH FORUM

Linking Theory and Practice to Enhance Research Impact and Public Service

This year's research forum highlights the researches conducted by faculty and REPS of CEM in collaboration with the public sector. Coming from the academe, CEM realizes the need to link and collaborate with experts from other sectors, policymakers, and practitioners from the field to better translate its research outputs into more significant research impacts. The combination of expertise of academicians and practitioners in the implementation and post-implementation of projects can create greater value for its outputs and can allow for public service that will extend the impacts to a wider group of direct users and beneficiaries.

The College takes the challenge of effectively bringing its research benefits and contributions to the concerned sectors, especially those at the grassroot level. With the theme, "Linking Theory and Practice to Enhance Research Impact and Public Service," the 4th CEM Research Forum hopes to find answers to this challenge and to inspire every faculty and researcher of CEM to do more relevant and impact-oriented researches that have public service value. The forum is divided into three parts:

- PART I : Ex Ante Analysis of PCAARRD's Industry Strategic Plans (ISPs) for Crops, Livestock, and Aquatic Resources
- PART II : Recent Studies of CEM Faculty and REPS
- PART III: Roundtable Discussion (RTD) on Enhancing Research Impacts cum Public Service

Parts I and II are comprised of six paper presentations of completed researches of CEM faculty and REPS. The first part features selected papers from the Ex-Ante Analysis of PCAARRD's ISPs in Agriculture Sector, a research commissioned by PCAARRD and implemented by CEM in cooperation with the Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). The presentations include the Ex-ante projects for livestock, crops, and aquatic resources, which were led by faculty members from the Department of Economics (DE). The second part presents recent researches done by faculty and researcher of the Department of Agribusiness Management and Entrepreneurship (DAME), the Department of Agricultural and Applied Economics (DAAE), and the Institute of Cooperatives and Bio-Enterprise Development (ICOPED). The RTD provides venue for discussion of issues, opportunities, and strategies to enhance the impact and public service value of CEM researches.

About the Ex Ante Project

by Richard B. Daite

CEM spearheaded a huge and pioneering research on an ex ante analysis of Industry Strategic S&T Plans (ISPs) in the agricultural sector. The research was implemented from June 2013 to September 2014 and covered practically all regions in the country.

Commissioned by PCAARRD and implemented by UPLB-CEM in cooperation with SEARCA, the Php 13.8 million research involved doing a before-the-fact economic appraisal of the projects and interventions contained in the PCAARRD-formulated ISPs. Specifically, the research aimed to estimate the potential economic returns from investing in these ISPs.

In the implementation setup, there were three ex ante R&D programs covering the ISPs for three important sub-sectors in agriculture: Crops, Livestock, and Aquatic Resources. Under these programs were fourteen individual ex ante projects, each focusing on a specific PCAARRD ISP for an agricultural commodity. Each ISP contained numerous PCAARRD-funded projects and interventions in different stages of implementation with various objectives and outcomes, which the CEM ex ante team evaluated.

In this undertaking fourteen CEM faculty members served as Program or Project Leaders. The research team was able to: a) validate the ISP targets, baselines and benchmarks; b) analyze how the adoption pathways for the promised ISP interventions can be realized; c) provide cost-benefit analyses to determine project viability; and d) identify important issues related to project design and implementation.

One of the immediate tangible results from this undertaking was the approval of a second round of ex ante research program to cover other ISPs and commodities. Hopefully, the results can further help PCAARRD and its partner-institutions make decisions on strengthening the ISPs' implementation before the initiation, if not before the conclusion, of the projects contained in these plans.

PROGRAMME

8:30-9:00	<i>REGISTRATION</i>			
<i>AM Session</i>				
9:00-9:35	OPENING PROGRAM			
9:00-9:05	Invocation	Ms. Maria Noriza Q. Herrera, DAME Faculty	11:20-11:40	Economic Value of ISPs for Milkfish, Tilapia, Shrimp and Mudcrab Dr. Yolanda T. Garcia
	National Anthem		11:40-11:50	Discussant: Dr. Loureeda C. Darvin, IARD, PCAARRD
9:05-9:20	Welcome Remarks	Dr. Isabelita M. Pabuayon CEM Dean	11:50-12:00	OPEN FORUM
9:20-9:35	Inspirational Message	Dr. Portia G. Lapitan UPLB Vice Chancellor for Academic Affairs	12:00-1:00	<i>LUNCH</i>
9:35-9:55	KEYNOTE MESSAGE		<i>PM Session</i>	
		Dr. Danilo C. Cardenas PCAARRD Deputy Executive Director for Administration, Resource Management and Support Services	1:00-2:40	PART II: RECENT STUDIES OF CEM FACULTY AND REPS Moderator: Dr. Maria Luisa G. Valera
9:55-10:10	Giving of Token of Appreciation and Photo-ops	Dr. Isabelita M. Pabuayon	1:00-1:20	Self-Assessment of the Performance of Female Officers in Selected Cooperatives in Laguna Ms. Arminga B. Peria
10:10-10:15	OVERVIEW OF THE FORUM	Dr. Yolanda T. Garcia CEM R&E Coordinator	1:20-1:30	Discussant: Dr. Ma. Helen F. Dayo, ASC, CA, UPLB
10:15-10:20	OVERVIEW OF THE EX ANTE PROJECT	Prof. Richard B. Daite DE Faculty	1:30-1:50	Estimating The Impact of Philippine Conditional Cash Transfer Program to the Household Economy Using Propensity Score Weighted Regression Discontinuity Design (RDD) Models Dr. Prudenciano U. Gordoncillo
10:20-12:00	PART I: EX ANTE ANALYSIS OF PCAARDD'S INDUSTRY STRATEGIC S&T PLANS (ISPs) FOR CROPS, LIVESTOCK, & AQUATIC RESOURCES Moderator: Prof. Normito R. Zapata, Jr.		1:50-2:00	Discussant: Dr. Asa U. Sajise, DE, CEM, UPLB
10:20-10:40	Assessing ISPs for the Livestock Sector	Prof. Richard B. Daite	2:00-2:20	Pigmented Rice Grain Quality and Consumer Preferences in Selected Markets in the Philippines Prof. Rachele A. Mariano
10:40-10:50	Discussant: Dr. Elpidio M. Agbisit, Jr., ADSC, CA, UPLB		2:20-2:30	Discussant: Prof. Charis Mae Tolentino, DAAE, CEM, UPLB
10:50-11:10	Economic Value of ISPs for Selected Crops	Dr. Zenaida M. Sumalde	2:30-2:40	OPEN FORUM
11:10-11:20	Discussant: Dr. Edna A. Anit, CRD, PCAARRD		2:40-2:50	<i>COFFEE/TEA BREAK</i>

PM Session (continuation)

2:50-3:50 PART III: ROUNDTABLE DISCUSSION ON ENHANCING RESEARCH IMPACTS CUM PUBLIC SERVICE

Moderator: Dr. Jose M. Yorobe, Jr.

Panelists:

Prof. Glenn N. Baticados, UPLB-CTTE and DAME, CEM, UPLB

Prof. Liezel S. Cruz, ICOPED, CEM, UPLB

Dr. Ma. Virginia B. Camarinta, OVCRE, UPLB

Prof. Jeanette Angeline B. Madamba, DAME, CEM, UPLB

Dr. Imelda R. Molina, DAAE, CEM, UPLB

Prof. Garry Jay S. Montemayor, CDC, UPLB

Prof. U-Primo E. Rodriguez, DE, CEM, UPLB

3:50-4:00 OPEN FORUM

4:00-4:25 CLOSING PROGRAM

4:00-4:15 Awarding of Certificates

Dr. Isabelita M. Pabuayon

4:15-4:25 Closing Remarks

Dr. Yolanda T. Garcia

PROF. RODGER DENNIS VALIENTES AND PROF. DIA NOELLE VELASCO
Masters of Ceremony

PAPER PRESENTATIONS

PART I: EX ANTE ANALYSIS OF PCAARDD'S INDUSTRY STRATEGIC S&T PLANS (ISPs) FOR CROPS, LIVESTOCK, AND AQUATIC RESOURCES

PART II: RECENT STUDIES OF CEM FACULTY AND REPS

Assessing the Industry Strategic S&T Plans (ISPs) for the Livestock Sector

Speaker: PROF. RICHARD B. DAITE
PROF. MA. ANGELES O. CATELO (co-author)

Discussant: Dr. Elpidio M. Agbisit, Jr.
Director, Animal and Dairy Sciences Cluster,
College of Agriculture, UPLB

This research involved doing a before-the-fact economic appraisal of the likely benefits and costs of executing the PCAARRD Industry Strategic S&T Plans (ISPs) for the livestock sector. Specific industries covered were swine, goat, native chicken, layer, and duck. The said ISPs contains S&T interventions embodied in research programs and projects generally aimed at raising productivity, reducing losses, and improving management practices in these industries. The key activities and methods employed in this research were the validation of baselines, benchmarks and targets (B/B/T) of the ISPs; mapping of impact pathways of the interventions; and cost-benefit analysis.

Results were varied, with the B/B/T in most ISPs generally found reasonable and technically feasible, while there were instances of incongruity between project indicators and expected outcomes. The mapping of impact pathways of the ISPs brought out important issues on how the expected S&T outputs can easily deliver the envisioned results downstream. The cost-benefit analyses showed that investments on the ISPs can bring fair rates of return assuming project success and that the constraints along the impact pathways are overcome. However, many critical activities related to technology delivery and adoption, which are usually beyond the scope of the ISPs, can impinge on the economic viability of these investments. Hopefully, the results have been useful in helping the funding agency and project implementers refine the design and implementation of these ISPs.

Key words: economic analysis, science and technology projects, livestock, cost-benefit analysis

Economic Value of PCAARRD's Industry Strategic S&T Plans (ISPs) for Selected Crops

Speaker: DR. ZENAIDA M. SUMALDE

Discussant: Dr. Edna A. Anit
Assistant Director, Crops Research Division, PCAARRD

This paper presents the consolidated results of the Ex-Ante Study of PCAARRD's Strategic Industry S &T Plans (ISPs) for Selected Crops. The objective of the study was to estimate, to the extent possible, the economic values of the five specific ISPs in the Crops sector. It covers five crops namely; abaca, banana-lakatan, coconut, mango and rice. Following the theory of change, the study developed the adoption framework to achieve the desired impact for each crop. Baseline, benchmark and target outcome of each crop ISP were also validated. Results of the BCA analysis for each intervention or bundle of interventions and the aggregation for each ISP showed that the interventions are economically viable. Sensitivity analyses that were carried out for each crop ISP also showed that as a whole each ISP would still be economically viable. To sustain the potential gains from the ISPs several recommendations were forwarded.

Key words: adoption pathway, incremental benefit, incremental cost, Net Present Value, Internal Rate of Return

Economic Value of PCAARRD'S Industry Strategic S&T Plans (ISPs) for Milkfish, Tilapia, Shrimp and Mudcrab

Speaker: DR. YOLANDA T. GARCIA

Discussant: Dr. Loureeda C. Darwin
Supervising Science Research Specialist,
Inland Aquatic Resources Division, PCAARRD

This study conducted an ex ante economic evaluation of PCAARRD's Industry Strategic S&T Plans (ISPs) for selected aquaculture species, i.e., milkfish, tilapia, shrimp and mudcrab. In general, these ISP interventions aimed to address the limiting factors that constrained the fry and grow-out operations of concerned fish farmers. Specifically, these interventions are geared towards increasing yield, lowering food conversion ratio (FCR), improving broodstock development and larval rearing through genomic researches and improving cultural management practices.

The methodology of the study includes validation of baselines, benchmarks and targets of the respective ISPs; cost-benefit analysis of the intervention projects and mapping of the impact pathways towards technology commercialization and utilization. Results of the study showed that most of the ISP targets are technically sound but some need adjustments for more realistic implementation. On the other hand, the benefits-cost analysis demonstrated the relative size of future benefits for each intervention vis-à-vis its cost. Finally, the adoption pathways of the interventions showed how the target stakeholders can achieve the expected net benefits. Since majority of the interventions are still at the technology generation stage, there are still wide dissemination gaps before the ISP innovations can reach the technology commercialization stage. Unless these new technologies are adopted by their prospective clientele, the benefits of the ISP interventions will not be forthcoming. Hence, the results of this study can be useful in prioritizing future public investments of PCAARRD towards those interventions that can bring greater benefits to the aquaculture sector.

Key words: Aquaculture, benefit-cost analysis, adoption pathway, Industry Strategic Plans, S&T Projects

About the Speakers



PROF. RICHARD B. DAITE is currently an Assistant Professor at the Department of Economics, College of Economics and Management (CEM), UPLB. He has handled courses on General Economics, Microeconomics, Macroeconomics, Mathematical Economics, Public Economics, and International Economics. He obtained his BS Agricultural Economics degree at CEM, UPLB and his MA Economics degree at the UP School of Economics in Diliman

where he is also a PhD Economics candidate. He has published articles in international refereed journals, presented papers in local and international forums, and completed various research and consultancy projects.



DR. ZENAIDA M. SUMALDE is a professor of economics in the Department of Economics and currently the Director of the Institute of Cooperatives and Bio-Enterprise Development (ICOPED), CEM, UPLB. She obtained her PhD in Agricultural Economics from UPLB, and attended a Post-Doctoral enrichment course on Natural Resource and Environmental Economics at the University of British Columbia, Vancouver, Canada. Dr. Sumalde's research interests

include valuation of environment and natural resource system, economics of climate change mitigation; adaptation mechanisms by small farmers and rural households to extreme events, assessment of technology adoption and cooperatives development.



DR. YOLANDA T. GARCIA is a Professor at the Department of Economics, CEM, UPLB. Her fields of interest are Econometrics, Macroeconomics and Resource & Environmental Economics. Her works in Agriculture and Fishery Economics had earned major awards in the country's AFMA R&D paper competitions from 2006 to 2014. She had served as consultant to various international organizations such as the International Rice Research Institute (IRRI);

Southeast Asian Center for Research in Agriculture (SEARCA), WorldFish (formerly ICLARM) and PCAARRD, where she participated in developing research priorities for agriculture and fisheries for Southeast Asia in the areas of trade, market demand, supply and policy advocacy.

Self-Assessment of the Performance of Female Officers of Selected Cooperatives in Laguna

Speaker: MS. ARMINGA B. PERIA
PROF. JEFFERSON A. ARAPOC (co-author)

Discussant: Dr. Maria Helen F. Dayo
University Researcher, Agricultural Systems Cluster,
College of Agriculture, UPLB

The study investigated the self-assessment of the satisfaction and performance of female officers in selected cooperatives in Laguna. The first step of the study is to characterize each respondent based on their handled positions, nature of their cooperative, socio-demographic characteristics, and their self-accessed performance indexes and satisfaction ratings. It was shown that most respondents are above fifty years old, married, employed, and under a multi-purpose type of a cooperative. Most respondents gave a satisfactory or above satisfactory rating to their satisfaction of working for a cooperative. When it comes to their self-accessed performance, BOD Officers tend to assign lower performance index to themselves as compared to other officers. A Logistic regression was used to identify the factors influencing the respondent's self-accessed satisfaction rating. Results of the regression suggest that older officers tend to give a higher satisfaction rating. The same is true for employed respondents and officers receiving bunos incentives. Meanwhile, a two tailed t-test with equal variances was used in order to identify significant mean differences on self-accessed performance index between two groups: respondents giving a below satisfaction rating versus respondents giving satisfactory ratings. The t-test results suggest that, on the average, female officers who gave a satisfactory and above satisfactory rating tend to give higher performance ratings as compared to their counterparts.

Key words: Cooperatives, women, logistic regression, t-test

Estimating the Impact of Philippine Conditional Cash Transfer Program to the Household Economy Using Propensity Score Weighted Regression Discontinuity Design (RDD) Models

Speaker: DR. PRUDENCIANO U. GORDONCILLO

Discussant: Dr. Asa U. Sajise
Associate Professor, Department of Economics, CEM, UPLB

The impact of the Pantawid Program to the household level economy was analyzed using data collected from the provinces of Albay, Camarines Norte, and Masbate. The differences in the composition of expenditures between Pantawid beneficiaries and non-Pantawid respondents, as well as the differences in their economic activities and economic decisions were compared and analyzed using the Regression Discontinuity Design. The analysis revealed that the Pantawid beneficiaries are consuming more cereals, in general, and more rice, in particular than non-beneficiaries. The patterns of spending for non-food item such as clothing, health, education, utilities, communications and recreational goods, are shown to be higher among Pantawid beneficiaries compared to non-beneficiaries. However, there is also common pattern that the impacts of the Pantawid Program is more pronounced among those beneficiaries at the bottom end of the poverty grouping compared to those beneficiaries at the boundary of the poverty threshold. In terms of key economic decision made by households like marketing and household budgeting, the results showed that women in Pantawid households are more active in the decision regarding household marketing and budgeting. Finally, the Program also influences aspirations, which in turn determines future-regarding behavior of the beneficiaries. The study showed that Pantawid beneficiaries are more optimistic in terms of their children achieving more in life than their parents. Further, Pantawid beneficiaries have higher social aspirations compared to non-beneficiaries.

Key words: impact, household economy, Regression Discontinuity Design, Conditional Cash Transfer

Pigmented Rice Grain Quality and Consumer Preferences in Selected Markets in the Philippines

Speaker: PROF. RACHELLE A. MARIANO

Discussant: Prof. Charis Mae A. Tolentino
Assistant Professor, Department of Agricultural and Applied Economics, CEM, UPLB

Hedonic price analysis was applied to determine the effect of grain quality attributes and other factors to the market price of pigmented rice in selected retail markets in the Philippines. Rice samples that were also bought by consumers were collected and analysed for their physical and chemical grain quality characteristics. Results showed that consumers, in general, prefer pigmented rice that have longer grains, less moisture content, high crude protein and intermediately cooked rice. To gain from the positive outlook for pigmented rice, improvements in the value-adding activities in pigmented rice were recommended.

Key words: Hedonic price analysis, grain quality, moisture content, crude protein

About the Speakers



MS. ARMINGA B. PERIA is a University Researcher at the Institute of Cooperatives and Bio-Enterprise Development (ICOPED), CEM, UPLB. She obtained her BS in Agriculture major in Agricultural Economics and Master of Agrarian Studies from UPLB. She has been involved in various research and extension activities related to cooperative and enterprise development.

Her field of interest are agricultural economics, management, and cooperatives.



DR. PRUDENCIANO U. GORDONCILLO is an associate professor of agricultural economics in the Department of Agricultural and Applied Economics (DAAE), CEM, UPLB. He obtained his PhD in Applied (Development) Economics from Victoria University, Melbourne, Australia. He was a former chair of the Department of Agricultural Economics. Dr. Gordoncillo's research interests include impact assessment, marketing and price analysis, institutional

development and capacity building, agricultural policy and agrarian reform studies.



PROF. RACHELLE A. MARIANO is an assistant professor at the Department of Agribusiness Management and Entrepreneurship, College of Economics and Management at the University of the Philippines Los Banos. She obtained her Master's degree in International Business at the University of Sydney, Australia. She also worked for the Philippine Rice Research Institute (PRRI) and the Philippine Council for Agriculture, Aquatic and Natural Resources

Research and Development (PCAARRD). She had been involved in various research projects regarding socioeconomic evaluation of rice production technologies and practices, and rice marketing.

ROUNDTABLE DISCUSSION ON ENHANCING RESEARCH IMPACTS CUM PUBLIC SERVICE

Host/Moderator

DR. JOSE M. YOROBE, JR. Professor, DAAE, CEM, UPLB

Panelists

PROF. GLENN N. BATICADOS, Director, UPLB CTTE and Assistant Professor, DAME, CEM, UPLB

PROF. LIEZEL S. CRUZ, Assistant Professor, ICOPED, CEM, UPLB

DR. MA. VIRGINIA B. CAMARINTA, Head, Extension Section, Office of the Vice Chancellor for Research and Extension, UPLB

PROF. JEANETTE ANGELINE B. MADAMBA, Associate Professor, DAME, CEM, UPLB

DR. IMELDA R. MOLINA, Assistant Professor, DAAE, CEM, UPLB

PROF. GARRY JAY S. MONTEMAYOR, Assistant Professor and Chair, Department of Science Communication, College of Development Communication, UPLB

PROF. U-PRIMO E. RODRIGUEZ, Professor, DE, CEM, UPLB

PREVIOUS RESEARCH FORUMS

1st CEM Research Forum

11 October 2013, UPLB CTTE Building, College, Laguna

- **Agnes T. Banzon.** Dissecting a Social Enterprise: Reconciling Economic Sustainability and Social Impact
- **Yolanda T. Garcia.** Regional Economic Integration of the Fisheries Sector in ASEAN Countries
- **Alessandro A. Manilay.** Impact Assessment of Selected Projects under the S&T Anchor Program for Mango - Phase II
- **Cesar B. Quicoy.** An Assessment of the Informal International Trade of Selected Agricultural Commodities in the Philippines
- **Dinah Pura T. Depositario.** Trends in SEARCA's Food Security Researches: Insights from a Meta-Analysis
- **Anselma Manila.** Impact Assessment of the Fishery School-on-the-Air.
- **Alicia R. Quicoy.** Benchmarking and Value Chain Analysis of Organic Vegetables in Regions 3 and 4.
- **U-Primo Rodriguez.** Biofuels and the Philippine Economy: Simulations from a Computable General Equilibrium Model.

2nd CEM Research Forum

17 November 2014, ICOPED Auditorium, UPLB, College, Laguna

- **Jan Danica S. Asma.** Assessment of the DOST's Assistance Through the Small Enterprise Technology Upgrading Program on MSMEs in CALABARZON Region
- **Jewel Joanna S. Cabardo.** Assessment of the Viability of a Village-Level Bioethanol Production from Nipa (*Nypa fruticans*, Wurmb) as Energy Resource for Rice Farming: The Case of Vinzons, Camarines Norte
- **Nora D. Carambas.** Profit Function approach to Productivity and Efficiency Analysis of Sugarcane Farms in the Philippines
- **Rowena A. Dorado.** WTP for a Flood Early Warning System in Laguna
- **Diane I. Espiritu.** Comparative Analysis of the Personal Entrepreneurial Competencies of UPLB B.S. ABM and DLSU-STC B.S. in Entrepreneurship Students
- **Karen P. Quilloy.** Cooperative Enterprise Model: Creating Opportunities for Sustainable Enterprise
- **Trinh Quang Thoai.** Participation and Payment for Forest Management in Vietnam: A Case Study in Northwest Mountainous Region

- **Bui Hong Quy.** Input and Output Commercialization Among Poor and Non-Poor Lychee Farmers in Luc Ngan District, Bac Giang Province, Vietnam
- **Maria Luisa G. Valera.** Remittance and Household Food Expenditures
- **Arvin B. Vista.** Primary Study Aggregation Effects in Meta-Analysis of Sportfishing Values: Issues and Implications
- **Marvin Christian Zamora.** Education Inequality and Its Effect on Income Inequality in the Philippines
- **Normito R. Zapata, Jr.** Impact Assessment of the Rural Enterprise Development (RED 1) Through Innovative Goat Production System Project

3rd CEM Research Forum

5 October 2015, ICOPED Auditorium, UPLB, College, Laguna

- **Joel Decric I. Abante.** An Empirical Investigation on Inequality, Trust and Trustworthiness
- **Jaimie Kim B. Arias.** Impacts of and Adaptation to Extreme Weather Events: An Intrahousehold Perspective
- **Princess Alma Baldonado.** Bioeconomic Modeling of Soil Conservation Alternatives: A GIS-Based Approach in Assessing the Suitability of Selected Agro-forestry Systems in the Upland Farms of Claveria, Misamis Oriental, Philippines
- **Mar B. Cruz.** A Stochastic Analytic Hierarchy Process-Based Methodology for Group Decision Making: With Application to Supplier Selection Problem
- **Niño Alejandro Q. Manalo.** Costs of Agricultural Credit and Interest Rate Sensitivity of Small farmers: An Empirical Study
- **Alessandro A. Manilay.** Effect of Economic Condition on Household Nutritional Status of Waged Agricultural Workers in Calauan, Laguna, Philippines
- **Alicia R. Quicoy.** Assessing Students' Awareness on Cooperatives
- **Roberto F. Rañola, Jr.** Emerging Issues in Managing Environmental Risks for the Laguna Lake Area
- **Juan Paulino S. Trespalacio, Jr.** A Preliminary Study for a Financial Monitoring System for General Trias Dairy Raisers Multi-Purpose Cooperative (GTDRMPC) in Cavite
- **Dia Noelle F. Velasco.** Disaggregating the Coffee Supply Chain Network in Benguet, Philippines: A Step Towards Understanding Relational Ties