



EXPANDED HUMAN RESOURCE DEVELOPMENT PROGRAM

EHRDP Terminal Report



EXECUTIVE SUMMARY

PROJECT TITLE: EXPANDED HUMAN RESOURCE DEVELOPMENT PROGRAM (EHRDP)

PROPOSER: Agricultural Training Institute

PROJECT COST : P500 Million

DURATION : Five (5) Years

The Expanded Human Resource Development Program (EHRDP) was approved in Year 1999 with funding under the US PL 480 Food for Peace Program for the Year 2000 to 2004 and extended to Year 2008 to 2011 (extended to 2014).

The EHRDP aimed to help address an urgent need for the agriculture and fisheries sectors develop its human resource base specified in Republic Act 8435, known as the Agriculture and Fisheries Modernization Act (AFMA).

The EHRDP sought to improve the Philippines' capability to modernize the scientific and technological capability of deserving and qualified technical, scientific, professional and academic workers, and extension workers working in agriculture and fisheries. It offers a program of continuing education and expands existing scholarship programs for degree and non-degree courses in national and international institutions.

The Agricultural Training Institute (ATI) is mandated to develop and administer a national human resource development program for degree and non-degree trainings for DA, LGU and other personnel in agriculture and fisheries sectors.

The first funding for Year 2000 was P105.448 Million for the 267 Masteral Degree scholars to five (5) Universities for the Year 2000-2006. The second funding for the Year 2008 was P110.053 Million which were utilized for Masteral and Doctoral Degree, financial assistance for the completion of Thesis and Dissertaion, financial support to book publication, local and international non-degree courses, and Observation Tours on Good Agricultural Practices in Organic Agriculture.

The National Agricultural and Fishery Council (NAFC) in support of and realizing the significance of the project in developing the human resource of the agriculture and fisheries sectors, provided financial assistance for the implementation for the last three (3) years of the EHRDP.

The coordination of the Project was transferred from DA-OSEC to NAFC by virtue of Administrative Order No. 16, dated 20 May 2008 issued by the Secretary of Agriculture,

Arthur C. Yap, which gives authority to NAFC to manage the PL 480 Program, and release the remaining funds for the scheduled activities.

Funding for the EHRDP CY 2009-2011 until its extension period of 2014 amounting to P284.498 Million was sourced from the proceeds of PL 480 Title I Program. These amount were utilized for the Masteral and Doctoral Degree, financial assistance for the completion of Thesis and Dissertation; financial support to book publications, conduct of policy studies, participation in non-degree courses locally and in USA, and participation to Observation Tours on Organic Agriculture.

The Table below shows the EHRDP Targets and Accomplishments from Year 2000-2013.

PPA	Total Target	Total Accomplishments
Masteral Degree Scholars:		
-Year 2000-2006	267	267 (100%)
-Year 2008-2013	555	555 (100%)
Doctoral Degree Scholars	136	136 (100%)
Non-degree courses (Local)	2,072	1,542 (74%)
Non-degree courses (in USA)	64	81 (126%)
Observation Tour	100	106 (106%)
Study Grants (No.):		
-Dissertation Assistance	65	62 (95%)
-Thesis Assistance	90	68 (76%)
-Book Publication	6	6 (100%)
-Policy Study	2	2 (100%)

It is worthy to note that the DA as mandated in AFMA has the responsibility of providing its personnel equal opportunities for training, education, and career development on a continuing basis. Investment in human resource through capability building and education support will enable them to acquire desirable wisdom, knowledge, and skills to face modern development challenges. Along this line, it is highly recommended that the EHRDP be extended and revitalized to provide formal and non-formal capability building to DA personnel, LGUs, SUCs, and other partner institutions.

Revitalization of the EHRDP should be enhanced and tailored to respond to the needs of the agriculture sector. Moreover, allowances and benefits should be increased to make EHRDP competitive to scholarship programs offered by other institutions and intensification of program communication should be done to encourage applicants to the program.

The EHRDP enhanced the capability of the scholars in their job performance. Implementation of the program through the ATI Network of Training Centers expedited the process of flow of the program. Also, issue and concerns were addressed faster and easier. Overall, the EHRDP contributed in the goal of achieving sustainable development in the Philippines by addressing the need of human resource development in the agriculture and fisheries sector.

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I. PROJECT BACKGROUND

The Agriculture and Fisheries Modernization Act (AFMA) of 1997 spells out an urgent need for the implementation of a Human Resource Development Program in the agriculture and fisheries sectors. As the sectors are challenged by international competition and globalization, the development of scientific and technological capabilities of its manpower is indispensable in realizing the vision of AFMA.

The Department of Agriculture (DA) as mandated in AFMA shall have the responsibility of providing its personnel equal opportunities for training, education and career development on a continuing basis consistent with the overall framework of AFMA. To carry this out, the Agricultural Training Institute (ATI), National Agricultural and Fishery Council (NAFC), and Human Resource Development Division (HRDD) developed the proposal on the Expanded Human Resource Development Program (EHRDP). It was approved in November 1999. Funding of this program comes from the proceeds of the US Public Law 480 (US PL 480) Title 1 and Section 416B.

The US PL 480 Title 1 is a concessional sales program to promote exports of the United States agricultural commodities and foster broad-based sustainable development. In the Philippines, commodities are sold by the DA's NAFC, and the proceeds are spent on projects to assist agriculture and fisheries.

The EHRDP is intended for scholarships and trainings to develop technical, scientific, professionals, and academic workers to meet the challenges and requirements of a modernized agriculture and fisheries sector in the Philippines. The EHRDP was developed along the DA's mandate of providing quality education and training in science and technology to promote the total development of its human resources for greater service to the nation. In 2000, the ATI as the extension arm of the DA started the implementation of the EHRDP. It is a five-year program that was to end in 2004. The releases of funds were extended, likewise its implementation until 2013. The total EHRDP cost for a five-year implementation is P500 M.

II. OBJECTIVES OF THE PROGRAM

The EHRDP has the following objectives:

1. Offer a program of continuing education for the DA, SUCs and LGU staff and extension workers;
2. Expand existing program of scholarship for degree and non-degree trainings in national and international institutions for deserving technical, administrative, academic, scientific staff and extension workers, and practitioners in agriculture and fisheries; and

- Scholarship for degree and non-degree trainings in agriculture and fisheries for capable and deserving youths, particularly the children of smallholders, in order to support their studies, services and professional careers in agriculture and fisheries.

III. PROJECT DESCRIPTION

A. General Description, Features and Expected Outputs of the Program

The EHRDP offers a program thru the national and international institutions which sought to improve the Philippines' capability to modernize the deserving technical and academic personnel, and extension workers in agriculture and fisheries. It also aims to upgrade their technical knowledge and skills as well as values re-orientation to broaden the professional experiences in areas related to their field unit of specialization. The program has two components, namely, Provision of Scholarship Programs and Monitoring and Evaluation.

1. Provision of Scholarship Programs

Degree Courses

Baccalaureate Degree - This aims to award indigent but deserving students specifically the sons and daughters of smallholder farmers to encourage them to enroll in agri-related fishery course. A Memorandum of Agreement (MOA) was forged with the Aurora State College for this.

Expected output: 28 bachelor's degree holders

Master's Degree - This is designed to provide advanced education to sharpen and broaden the professional competence on one's field of specialization.

In Year 2000-2006, Memoranda of Agreement (MOA) were forged with the following universities to offer the following programs:

- The Ateneo School of Government (ASoG) for the degree in Master in Public Management focused on Rural and Agricultural Development (MPM-RAD). By the end of the program, the scholars are expected to prepare to achieve the broader goals of transforming communities and building the nation through ethical leadership and good governance in the public service.
- The University of Asia and the Pacific (UAP) for the degree in Master Program in Food Systems Management (FSM). This program aims to develop high caliber managers and analysts who will help initiate and/or catalyze changes in the agri-food sector and meet the challenges of globalization.
- The Xavier University-Ateneo de Cagayan for a degree in Master in Public Management (MPM). The course is meant to develop leaders who will use

the necessary tools to adopt a multi-disciplinary approach to implement policy strategies.

4. D. The University of the Philippines-Visayas for Master of Management (MM) program. The program is designed for career professionals and entrepreneurs to enhance their competitive edge in organizational management, policy development and program implementation in their various fields of specialization and endeavor.
5. E. The University of the Philippines-Diliman (UPD) for a degree in Master in Development Economics (MdevEcon). This program gives priority admission to middle-level technical and professional personnel from tranches of government service whose current or future work involves development planning, policy analysis, applied economic research or project development.

Expected output: 267 bachelor's degree holders

In Years 2008-2013, selected state universities and colleges (SUCs) nationwide which offers agriculture and fishery related courses nationwide, forged a MOA with ATI.

Expected output: 555 bachelor's degree holders

Doctoral Degree - The DA aims to develop high caliber manpower or potential leaders in their respective field of studies and institutions. This is awarded to master's degree holders with high leadership potentials and achievements in areas of specialization in agri-fishery related courses. Like the master's degree, this is offered in selected SUCs.

Expected output: 136 bachelor's degree holders

Non-Degree Courses

International non-degree courses - these are short-term training courses mainly obtained in the United States of America (USA), like the experience-based learning visits, fellowships, short training course on any agriculture and fishery-related subjects as well as attendance to symposia, conferences, and research presentations.

Expected output: 64 participants

Local non-degree training courses - these are short-term training courses on social technology specifically for the middle level managers of the local government units (LGUs), SUCs and from the DA. These also include experience-based learning visits to organic farms or those with the latest package of technology on good agricultural practices (GAP).

Expected output: 2,072 participants

Grants

Thesis and Dissertation support - this program provides financial assistance to ongoing students of master's and doctorate degree programs.

Expected output: 90 Grantees of Thesis support for masteral students
65 Grantees of Dissertation support

Book Publication - this program gives financial assistance for book publications in support to agriculture and fishery extension.

Expected output: 6 Book Publications

Policy Studies - the program funds policy studies in support to agriculture and fishery extension

Expected output: 2 Grantees of Policy Studies

Observation Tours - EHRDP funds observation tours to organic or GAP accredited farms to learn, observe and to have learning and insights.

Expected output: 100 Observation Tours

Table 1 shows the total targets of the EHRDP.

Table 1. EHRDP Targets for Years 2000-2013

PROGRAM	INDICATOR	TARGETS
Year 2000-2006		
Degree Courses		
- Baccalaureate degree	No. of scholars	28
- Master's degree	No. of scholars	267
Year 2008-2013		
Degree Courses		
- Master's degree	No. of scholars	555
- Doctoral degree	No. of scholars	136
Non-Degree Courses		
- Local	No. of participants	2,072
- International	No. of participants	64
Study Grants		
- Dissertation assistance	No. of grantees	65
- Thesis assistance	No. of grantees	90
- Book Publication	No. of book publications funded	6
- Policy Studies	No. of policy studies funded	2
- Observation Tours	No. of observation tours funded	100

B. Strategies: Recruitment, Selection and Placement

During the first years (2000-2007) of the implementation of the EHRDP, the ATI was the implementer and served as Secretariat of the program. The initial screening and nomination of applicants were carried out by the Institute, while the approval passed through the Scholarship Committee. This Committee was chaired by the Undersecretary of the Policy and Planning, the ATI Director as Vice Chair, the National Agriculture and Fishery Council (NAFC), Bureau of Agricultural Research (BAR) and the Department of Agriculture's Policy and Planning Service as members. Funding support were all transferred to the concerned universities thru a MOA. This included tuition and other miscellaneous fees and book allowance every semester, monthly stipend, relocation allowance of those scholars enrolled in the university outside their regional residence, and the university's management fees.

In 2008 to 2013, there was a change in the recruitment and placement of scholars. The ATI Capability Building Committee (ACBC) was created thru ATI Special Order No. 63 dated 07 April 2009. This committee was formed and accorded authority to approve applicants to the different scholarship program using the Scholarship Guidelines. The recruitment and selection process emanated from the network of the ATI training centers and forwarded to ATI central office (ATI-CO) for approval. The ATI – CO served as the national program coordinator.

2. Program Monitoring and Evaluation Activities

Monitoring activities shall include the conduct of mid and annual reviews every year. Likewise, monitoring activities in the regional level shall also be conducted. These shall include the conduct of forums to bridge the gap between the technology generators and the end-users. The scholar-graduates are given the chance to showcase or introduce latest trends in technology to other extension workers, farmers and even students.

Communication facilities shall also be upgraded by procuring powerful computers, printers, laptops and photocopier machines and camera in the knowledge center of the ATI's information technology center.

IV. PROJECT RESULTS

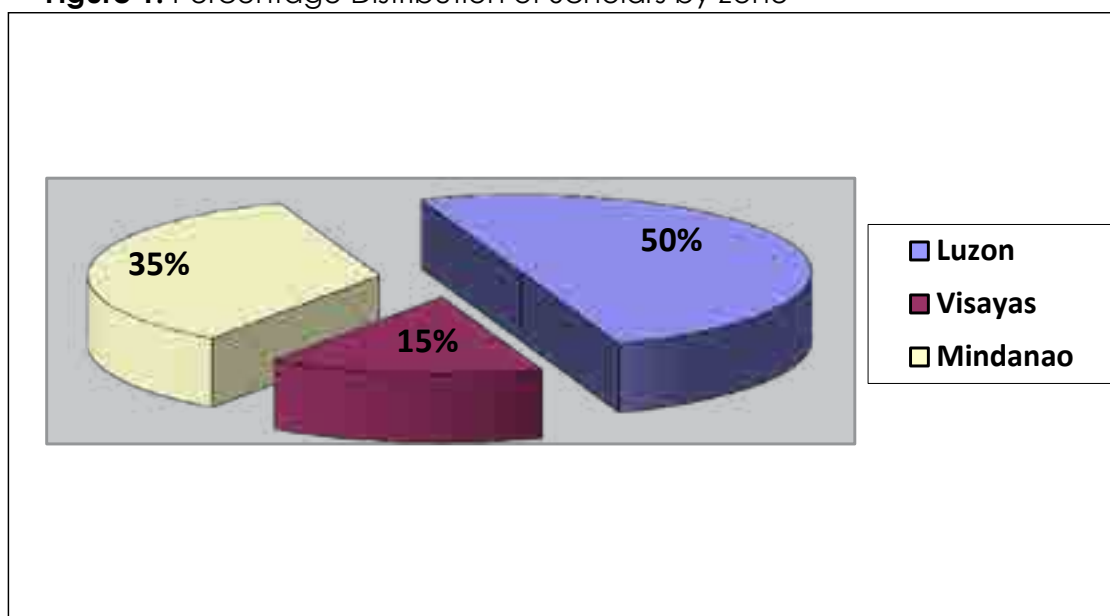
A total of 1,097 scholars availed of the degree courses and grants under the EHRDP from 2000 to 2013. The highest number of scholars came from the National Capital Region with 129 scholars followed by Region XI with 101 scholars. Summing up by zone, NCR with Luzon had the 50% share of the total scholars while Mindanao had 35%. Only 15% came from the Visayas as shown in Figure 1. Females are dominantly 12% more than the males as shown in Table 2.

Table 2. Regional profile of Scholars by Gender by Agency

REGION	GENDER		AGENCY			TOTAL
	MALE	FEMALE	DA	LGU	SUC	
CAR	20	22	10	26	6	42
I	16	32	14	34	-	44
II	31	37	20	35	13	68
III	23	36	11	38	10	59
IV-A	31	38	27	32	10	69
IV-B	41	32	15	52	6	73
V	24	37	9	42	10	61
VI	37	48	34	28	23	85
VII	15	31	12	26	8	46
VIII	15	21	7	18	11	36
IX	29	31	26	34	-	60
X	42	51	35	54	4	93
XI	59	42	14	71	16	101
XII	29	44	15	47	11	73
CARAGA	15	21	8	22	6	36
ARMM	10	8	2	12	4	18
NCR	51	78	126	2	1	129
TOTAL	488	609	385	573	139	1,097
%	44	56	35	52	13	

It is apparent that 52% of the scholars were from the local government units (LGUs) while 35% from the Department of Agriculture (DA). A chunk of 13% came from state colleges and universities (SUCs).

Figure 1. Percentage Distribution of Scholars by Zone



Degree Courses

Year 2000-2007

In the first years of the program (2000-2007), 28 deserving children of smallholder farmers graduated with a degree in Bachelor of Science in Agriculture (BSA) in Aurora State College.

Likewise, there were 267 scholars who took master's degree from universities, like, the Ateneo School of Government (ASoG), University of the Asia and the Pacific (UA&P), Xavier University (XU) and in the University of the Philippines in the Visayas (UPVis). Out of this total, 220 or 82% graduated with master's degree in various field of specialization. However, 18% did not graduate and finish their paper as of May 2017. Regions CAR, III, IV-B, V, VII, IX, XI, CARAGA and ARMM had a notably 100% completion rate.

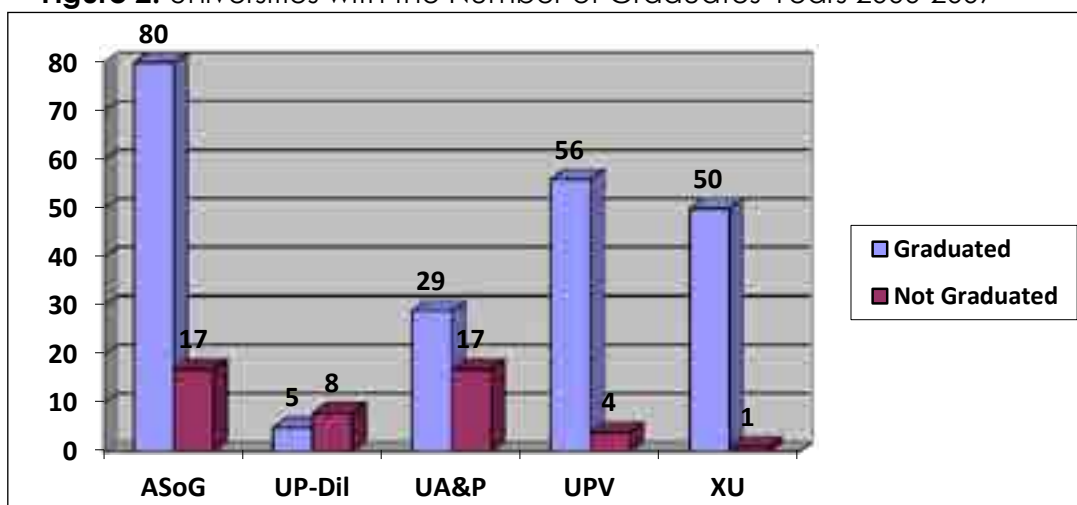
(Annex A)

Table 3. Regional Status of Scholars Enrolled in ASoG, UA&P, XU, UPVis from Year 2000-2007

REGION	GRADUATED	NOT GRADUATED	TOTAL
CAR	2	-	2
I	3	1	4
II	5	3	8
III	2	-	2
IV-A	13	5	18
IV-B	4	-	4
V	6	-	6
VI	31	1	32
VII	4	-	4
VIII	11	1	12
IX	4	-	4
X	33	1	34
XI	5	-	5
XII	1	1	2
CARAGA	11	-	11
ARMM	1	-	1
NCR	84	34	118
TOTAL	220	47	267

Figure 2 shows how the university fared as to the number of graduates. Xavier University had just one who did not graduate while UP-Diliman had more scholars who did not graduate than who graduated.

Figure 2. Universities with the Number of Graduates-Years 2000-2007



Year 2008-2013

While scholars in 2000-2007 yielded 82% of graduates, scholars in 2008-2013 (**See Annex B**) produced 83% of graduates. Region X had the most number of graduates (97%), followed by Region V (93%) and Region CARAGA (92%). Some regions however, have number of graduates below 75%. These were in Regions IV-A (59%), IX (66%), ARMM (71%) and III (72%). NCR had the least number of graduates (30%) (Table 4).

Table 4. Regional Breakdown of Status of the Scholars in Years 2008-2013

REGION	GRADUATED	ON-GOING	FOR REFUND	TOTAL
CAR	39	0	1	40
I	33	2	9	44
II	53	2	5	60
III	41	13	3	57
IV-A	31	5	15	51
IV-B	59	4	6	69
V	51	3	1	55
VI	46	2	6	54
VII	37	5	0	42
VIII	22	1	1	24
IX	37	8	11	56
X	57	1	1	59
XI	82	12	2	96
XII	63	2	6	71
CARAGA	23	-	2	25
ARMM	13	-	4	17
NCR	3	3	4	10
TOTAL	690	63	77	830

There are about 63 (7.59%) scholars with on-going status working on their papers/ theses. Reasons of delay include those research-based thesis or dissertation which were mostly affected by force majeure which need to be restored or rebuilt. Others include non-availability and conflict of schedule between adviser and advisee which contributed to the delay in the defense of their papers.

While on-going scholars have greater compliance to graduate within 2017, 77 (9.27%) of the 830 scholars constitute those who could no longer finish their studies. They were dropped from the roll, could not cope up with the pressures of being a student and working at the same time, lapses in time to conduct research studies, some deceased, and even affected by political instability, among others.

Year 2000-2013

In totality, Table 5 shows the overall regional status of the 1,097 EHRDP scholars from 2000 to 2013. Out of this total, master's degree was granted to 832 scholars or 76% of the total, while doctoral degree with only 12%. Thesis and dissertation grants had a chunk of 6% each.

While the NCR had the most number of scholars who took up master's degree, Region X had the most number of graduates (98%), followed by Region V (95%) and Region CARAGA (93%). A total of 673 graduated with a Master's degree out of the 832 scholars. This registered an 81% achievement rate.

There were 116 who received doctoral degrees from various SUCs. Regions IV-A, V, VII, VIII and CARAGA had a 100% successful PhDs in various fields in agriculture and fishery. This registered an 84% accomplishment over its target of 137 scholars.

Grants on thesis support were also availed by 66 scholars. A total of 60 scholars graduated with 91% accomplishment. Regions with all scholars graduated came from III, IV-B, VI, VII, VIII, XI, XII and CARAGA.

Similarly, dissertation support were availed by 62 scholars. Out of this, 56 or 90% graduated. All scholars in Regions CAR, I, II, IV-A, IV-B, VIII, IX, X, XI, XII and CARAGA graduated.

Overall, out of the 1,097 scholars who availed of degree courses and grants, 910 graduated, an 82.95% rate of accomplishment. The remaining 17.05% constituted the 5.74% of the scholars who are still working on their manuscript which will be finished towards the end of 2017. The 11.30% will be required to refund as per grantee's obligations and responsibilities as stated in the scholarship contract.

Table 5. Overall Regional Status of EHRDP Scholars - Years 2000-2013

Region	MASTER'S		PhD		Thesis		Dissertation		Total	
	No.	Graduated	No.	Graduated	No.	Graduated	No.	Graduated	No.	Graduated
CAR	28	27	10	10	2	2	2	2	42	41
I	31	20	-	-	15	14	2	2	48	36
II	41	35	17	14	6	5	4	4	68	58
III	44	31	8	6	6	6	1	-	59	43
IV-A	59	34	5	5	-	-	5	5	69	44
IV-B	56	48	12	10	2	2	3	3	73	63
V	38	36	2	2	12	11	9	8	61	57
VI	58	51	13	12	4	4	11	10	86	77
VII	31	26	13	13	2	2	-	-	46	41
VIII	25	22	4	4	1	1	6	6	36	33
IX	48	32	10	7	-	-	2	2	60	41
X	86	84	6	5	-	-	1	1	93	90
XI	81	70	10	7	6	6	4	4	101	87
XII	52	44	12	11	5	5	4	4	73	64
CARAGA	29	27	3	3	2	2	2	2	36	34
ARMM	7	5	6	6	1	-	4	3	18	14
NCR	118	84	6	2	2	1	2	-	128	87
TOTAL	832	676	137	117	66	61	62	56	1,097	910

Non-Degree Courses

Local Non-Degree

On July 13, 2009, the DA, represented by then Secretary Arthur C. Yap, signed a MOA with the Southeast Asian Regional Center for Graduate Study and Research Agriculture (SEARCA), represented by its Dean, Dr. Arsenio M. Balisacan, Ateneo School of Government (ASoG), University of Asia and the Pacific School of Management (UA&P-MSN) and UPecon Foundation, Inc. The MOA established the Umbrella Capacity Development Program (UCDP) on Strategic Management and Policy for Agriculture Professionals and Executives for Implementation from 2009-2010 to 2013-2014. Its total project cost was P60,014,642.00, with the following counterpart funding: DA, Php 50,000,612.00; SEARCA, Php 4,466,307; ASoG, Php 2,160,149; UA&P SMN, Php 2,133,635; and UPecon Foundation, Php 1,358,269.

The DA UCDP had five program components for implementation, namely 1) Needs and Situation Analysis; 2) Graduate Scholarship; 3) Executive Program; 4) Peer Mentoring/ Solutions Exchange and Incentives; and 5) Program Monitoring and Oversight, Midterm Review and Evaluation. **(DA-SEARCA Umbrella Capacity Development Program (UCDP) on Strategic Management and Policy for Agriculture Professionals, PROGRESS REPORT (13 July 2009 to 14 April 2011)).**

SEARCA-UCDP had the following accomplishments:

1. Needs and Situation Analysis

Needs and Situation Analysis sought to: 1) analyze current and anticipated capacity development needs of incumbent and prospective DA leaders (middle to senior manager level and selected executive/technical staff) 2) determine the preferred approaches and get specific suggestions in program modalities; 3) identify the facilitating factors and barriers from participating in the customized executive program and pursuing a graduate degree; and 4) draw out relevant criteria and indicators for evaluating the impacts of the Program and its respective components.

- It included a review of existing documents and reports focused on previous capacity development programs of DA
- Key informant interviews with 11 DA directors or their representatives from the regions and DA agencies
- Two (2) focus group discussions with seven (7) DA agency directors and their deputies and with their seven (7) selected division chiefs, totaling fourteen (14) FGD respondents.
- Five Key issues in the external operating environment and internal environment of DA - Respondents mentioned devolution of agricultural extension, delay in the approval of the rationalization policy of the DA, weak incentives and rewards system, weak human resource development program, and vulnerability to political meddling.
- Needs of DA executives – DA executives and executives-in-line need enhanced competencies in strategic leadership, program and process management, and in facilitating networks and linkages with other organizations and groups. Specific suggestions on the program modalities dealt with qualifications of participants, length and venues of offerings, ensuring good attendance, and maximizing benefits from participants' learning outputs, among others.

2. Graduate Scholarship

- Nine (9) scholars completed their program. Six (6) scholars took up MPM in ASoG and three (3) took up Master in development in Economics in University of the Philippines School of Economics (UPSE). **(Annex C)**

- Training courses attended by DA-SEARCA scholars - Four (4) scholars attended the pilot course offering of "Introduction to Social Entrepreneurship", three (3) on Training-Workshop on Partnership Building Through Bridging Leadership, One (1) on Regional Conference on Research and Management for Executives, Five (5) on Training Course on Impact Assessment and Poverty Alleviation: Focus on Technology and Capacity Development.

3. Executive Program

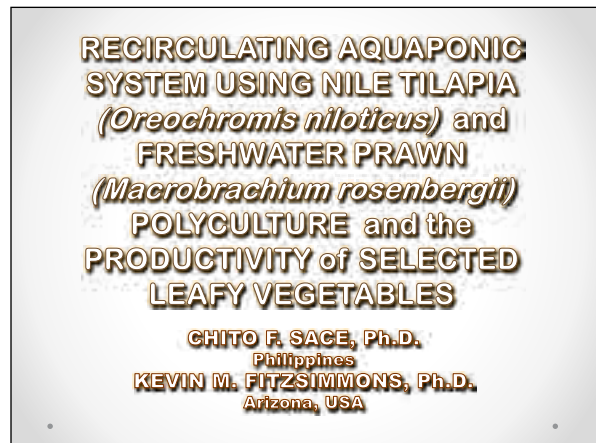
- Nine (9) lecture fora were conducted with 250 DA executives and professionals from March to October 2012
- UPecon Foundation, Inc along with SEARCA, implemented three learning modules in economics for agricultural development for DA corps of highly skilled senior and mid-level managers. Module 1: Economic Analysis for Policy Formulation was attended by 32 participants; Module 2: Agriculture, Trade and Development (WTO) with 28 participants and Module 3: Program and Project Monitoring and Evaluation with 35 participants. As a result of the post-evaluation meetings in the conduct of the three (3) modules, the recommendations were 1) Conduct of a post-learning modules get-together in six months' time, primarily to assess how the knowledge and skills the participants acquired in the training are helping them in their line of work, and secondly, to renew the working team spirit that was developed in the training. 2) Conduct of Module 4 training on applied statistics or on a condensed week-long training for the technical staff of the DA regional offices and other attached agencies.
- Global Developments in Agribusiness – a module offered by the UA&P SMN. A total of 49 top executives of the DA attended this executive forum, which took place in conjunction with the DA ManCom meeting in Siargao Island for the second quarter of 2012.
- Benchmarking in Agribusiness: the Practice and Success – the forum aimed to analyze the state of Philippine agriculture and how their performance has compared with key competitor countries like Thailand, Vietnam, Malaysia and Indonesia. Around 62 participants registered to this forum.
- Project Development and Management, Monitoring and Evaluation for Middle-level and Technical Staff – this course was geared to better facilitate project management, particularly in monitoring and evaluation. A post-training evaluation showed that participants rated the course very relevant in terms of their current work or function; in terms of training's contribution to their future professional development, the high average obtained signified the participants' confidence that said knowledge and skills will stand them in good stead in terms of furthering their careers and increasing their capacity to perform functions assigned to them.

- Executive Course on Greater than Leadership Module – this was participated in by 28 participants comprising an Undersecretary, an Assistant Secretary, 16 executive Directors, Five Directors, 1 General Manager, two (2) Administrators and 2 Deputy Administrators.

Likewise, the ATI also forged MOA with the Development Center for Asia Africa Pacific (DCAAP) to conduct non-degree courses for middle-level managers to enhance the managerial capabilities of the participants. These included planning, governance, organizing, directing and project implementation strategies. As managers, they are expected to perform creditably in their respective organization. List of participants are in Annex D. There were a total of 2,100 individuals benefited from local non-degree courses not just offerings from SEARCA and DCAAP but from other institutions nationwide.

International Non-Degree

These international non-degree activities were mainly conducted in the United States. The participants were mainly middle-level managers, extension workers, and scientists from various DA agencies and professors of SUCs. They participated in various extension activities like, training courses, visits to the different extension modalities and served as lecturers on the latest trends in technologies.



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Moreover, a group of Veterinarians participated in the Goat Meat Production in Institute for Goat Research in Oklahoma, USA. Same group also attended the training course on Sustainable Agriculture in Berkeley, California.



Several scientists from SUCs and bureaus under the Department of Agriculture were invited by the US government to impart and showcase their technology in several fora in the United States.



Most of the learning visits to USA were observations and appreciations on cooperative extension service of the USA, and the very important roles of the 4-H Club of the youth sector in the US.



Reports of the Observation and Learning Visits are listed in Annex E-N

Grants

Six book publications on either for promotion or compilation of technologies were published thru grants. These publications were the following:

1. Operationalizing the Philippine Agriculture and Fisheries Extension Platform: Technical Guidance Notes for Extension Service Providers
2. Adoption of the PalayCheck System by the Farmers' Field School Graduates in the Philippines
3. Gauging Effectiveness of Agricultural Extension Workers of Agricultural Extension Workers in disseminating the PalayCheck System – An Evaluation of the Season Long Training of Trainers (TOT) on the PalayCheck System in the Philippines
4. Malungtarong Panguma – by Prof. Jose Tavera of Bohol Island State University (BISU)
5. The Testimonies of YAFFP Scholars of Region 02
6. The Testimonies of EHRDP Scholars of Region 02



Two policy studies were also funded by the program. These were:

1. A Proposal on the Impact Evaluation of the Local Scholarship Program under the EHRDP from 2000 to 2009
2. Predisposition Factors of Students' Choice in Agriculture, Fisheries and Natural Resource Courses (Visayas Area)



Observation Tours

Various agencies, local government units and DA-Regional field Offices (RFOs) were grantees of the 106 observation and learning visits. They were given the chance to observe and experience updated trends in various learning sites mostly on organic agriculture.

The inclusion of Observation and Learning Visits in EHRDP was appreciated by the LGU extension workers. Visiting model farms enhanced their appreciation to duplicate best practices in their locality. A total of 106 observation and learning visits were granted to the LGUs, SUCs and in the department's bureaus and attached agencies.



In summary, Table below shows the accomplishments of the Program.

Table 6. Targets versus Accomplishments

PROGRAM	INDICATOR	TARGETS	ACCOMPLISHMENTS	
			No.	%
Degree Courses				
- Baccalaureate degree	No. of scholars No. of graduates	28	28 28	100 100
- Master's degree	No. of scholars No. of graduates	822	832 673	101 81
- Doctoral degree	No. of scholars No. of graduates	137	137 116	100 84
Non-Degree Courses				
- Local	No. of participants	2,072	2,100	101
- International	No. of participants	64	91	142
Study Grants				
- Dissertation assistance	No. of grantees No. of graduates	65	62 56	95 90
- Thesis assistance	No. of grantees No. of graduates	90	66 60	73 91
- Book Publication	No. of book publications funded	6	6	100
- Policy Studies	No. of policy studies funded	2	2	100
- Observation Tours/ Learning Visits	No. of observations tours/ learning visits funded	100	106	106

Strengths and Weaknesses

Based on the impact evaluation conducted by the Extension Governance and Policy Division of the ATI last June – December 2012 on the EHRDP implementation in 2000-2009, the following strengths, weaknesses, opportunities and threats (SWOT) were identified:

STRENGTHS	WEAKNESSES
<p>The program was very relevant and consistent with the goal of achieving overall sustainable development in the Philippines.</p> <p>The degree courses offered addressed the needs of the human resource base of the Department of Agriculture.</p> <p>Grantees exhibited increase in their knowledge, skills and attitudes after program participation.</p> <p>Customized degree programs will gain more takers/enrollees. Approval of permission from employers is easy because only short period will be utilized for a grantee to be out of his/her office.</p>	<p>Poor monitoring and evaluation done by the implementing agency.</p> <p>Poor information dissemination about the program's availability.</p> <p>Process not yet perfect for the Public offering courses/programs.</p> <p>Only few Courses/Degrees and few Universities were involved in the implementation of the customized degree programs.</p> <p>Non-uniform understanding as to the process and project components by the ATI-RTCs (i.e. Focal Persons).</p> <p>For the public offering handled by ATI-RTCs, scheme in the release of stipend poses setback for potential applicants.</p>
OPPORTUNITIES	THREATS
<p>Former scholars are likely to create a positive contribution to the needs of their agencies/offices.</p> <p>Prestige/honor of the agencies/offices as to educational attainment of their staff may be boosted up.</p> <p>Other Academic Institutions in the Regions may be tapped for expansion.</p> <p>More and varied/wide-ranging courses may be offered so not only Technical Staff may avail of the Scholarships.</p>	<p>Increasing costs of tuition and other school fees of the partner academic institutions.</p> <p>Fewer takers of the scholarship program due to the imposed age requirement and also because of the rationalization in the department in the case of regional and national offices. While in the case of the LGU, it is the long absence of the scholars from their offices.</p> <p>Uncertainty of the continued financial support in case of eventual program expansion and/or replication to other provinces.</p>

Problems

Staggered Release of Funds

The EHRDP was implemented for thirteen (13) years. The ATI experienced staggered fund releases specifically for 2002 – 2003 and 2005 – 2007 which resulted in none recruitment of scholars for those years.

Succeeding fund releases for the Project commenced in 2008 – 2011, thus, recruitment of scholars was resumed.

In 2011, ATI requested authority from the Department of Budget Management for the extension of validity of Special Allotment Release Order (SARO) till 2013 which was approved. This enabled the Institute to continue the program until CY 2013 to meet the Program's physical targets.

Delinquent Scholars

Based on records, a total of 125 or 11% of the scholars failed to complete their studies on time as stipulated in their signed scholarship contract. Scholars who breached their scholarship contract were made to refund the total amount of grants awarded to them.

Majority of the scholars who breached on their contract cited non-conformance of their agency heads to allow them to enjoy full-time study privileges and a few cited force-majeure, physical and health condition.

Inadequate Monitoring and Evaluation Mechanism

Monitoring and evaluation activities were not carried out systematically in the 13 years of program implementation.

Several changes and turn-over of the Program from one Administration/Implementer to another without proper turn-over of related official documents resulted in inadequate documentation of the programs results or accomplishments.

Inadequate number of personnel assigned in the implementing division of the ATI also contributed to the weak monitoring of the program implementation.

ATI through the Career Development and Management Division (CDMD) carried out several program assessment but the actual situation in the field and other implementing partners were not established. Changes in the designation of Focal Person on Scholarship without proper turn-over of related documents likewise contributed to difficulties in conducting monitoring activities in the field.

Slow Liquidation of Partner Agencies

Some partner-agencies, universities, extension service providers and other government agencies have not submitted final liquidation of funds released to date in spite of several notices/letters issued to them.

Unmet Physical Targets

In Year 2009, a MOA was forged between the SEARCA and the Department of Agriculture to undertake capability enhancement activities for middle level managers of the DA and scholarships for the department's staff. The project cost of P50 Million was taken from the EHRDP fund.

Due to the rationalization of the DA, SEARCA had a hard time recruiting applicants. Delay in the filling up of positions and over-aged work force within the DA and its agencies, resulted in under accomplishment of the target. Also, only few passed the stringent process of the SEARCA.

Impact of EHRDP

A. Success Stories

The success of the EHRDP scholarship program cannot be measured by merely counting the number of its recipients and its graduates but by knowing as well that most of them have achieved career advancement, received recognition for their researches and acquired wider opportunity to excel personally and professionally. These are few of the success stories of this scholarship program:



Engr. Elmer T. Ferry, Center Chief of Palawan Agricultural Experiment Station, DA-IVB, gained his doctoral degree under the EHRDP scholarship program. He persuaded three of his office's Science Specialist to pursue their master's through the same scholarship program because it was his dream to bring their office to the highest standard of quality that can compete within national and international standards. With the support of EHRDP

scholarship program, Engr. Ferry was able to transform the Station into an outstanding Research Development & Extension (RD&E) Management Agency. As a result, an increase in project support came from different agencies. The Bureau of Agricultural Research (BAR) also funded several PAES-initiated projects and researches. As for his career, Engr. Ferry has been recently designated as Officer-In-Charge Regional Technical Director for Operation in DA MIMAROPA Regional Field Office.



Nanette M. Rosales, started working at the Department of Agriculture Oriental Mindoro Agricultural Experiment Station as casual employee in 1983. Six months after, with her excellent job performance, she was then promoted as Livestock Inspector for a permanent post. In 1992, without any doubt, she took her Master's Degree in Agriculture major in Crops Science at Pampanga Agricultural College. With her new gained learning and years of experience in agriculture, she was promoted as Agriculturist II in 1994. When she heard about the Expanded

Human Resource Development Program (EHRDP) Scholarship offered by the DA through ATI, Nanette applied and fortunately qualified to be an EHRDP scholar. The scholarship provided for her tuition fee and book allowance every semester, monthly operational allowance and thesis assistance until she finished her doctoral degree. Now, at the age of 56, she has finally reached the pinnacle of her career. She is now the Chief Agriculturist at Regional Integrated Agricultural Research Center, also known as Regional Crop Protection Center in the DA in MiMaRoPa. Nanette is indeed grateful to ATI for having EHRDP who gave financial support to individuals who want to enrich their lives by improving their professional skills. As part of giving back to ATI, she offers her expertise as resource person in several trainings of the agency. Most of the time, she gives her talk for free.



Glimar V. Gaspar of Bagong Sikat, San Jose, Occidental Mindoro finished his Bachelor of Science in Agriculture (Farm Management) at Central Luzon State University in 1983. Right after he graduated, he started to serve the government. He was an Elementary Grade Teacher from 1983 – 1985. After two years of being an elementary teacher, he was employed as Secondary School Teacher at Occidental Mindoro National College (OMNC) where

he became the first Officer-in-Charge of the OMNC Damayan Center for 10 years. In 1995, he completed the Comprehensive Academic Requirement for Master of Arts in Education at OMNC and his Master of Science in Agriculture in 1998 at Cavite State University (CavSU). Due to his exemplary performance, he was promoted to college instructor and handled various projects and programs in OMNC. He was also designated and involved in instruction, research and agri-business projects, extension programs with successive promotions to Assistant Professor I, II, IV and Associate Professor I in a short span of time. When he became an EHRDP scholar, Glim temporarily left his job

and returned to school with hopes of improving his life and family's standard of living. On April 2014, Glim had finally reaped the fruits of his labor. He was able to finish his doctoral degree after three years of studying. Months later, he was designated as Campus Director in OMSC – Murtha Campus San Jose, Occidental Mindoro which involves the instruction, production, research, and extension programs of the campus.



Mr. Pedro Cabang, Jr. was working as a District Head of of the City Agriculturist Office in Tugbok in Davao City when he entered the EHRDP Scholarship. He took up Master in Science in Agriculture major in Animal Science to align his career path since his Bachelor's degree was Agriculture major in Animal Science. After earning his master's degree, he was promoted as the Acting Administrative

Officer for the year 2015-2016. He had his PRC License as Agriculturist and he was also accredited as Professional Test Administrator of Civil Service Commission. If he will be given a chance for another scholarship of ATI or other agencies, he still wants to pursue his Doctorate degree.



Mr. James Arly A. Danac, was a recipient of the UCPB-CIIF Scholarship program for his bachelor's degree in Agricultural Business in 2006, with latin honor. After years of being Agriculturist II in the City Hall of Davao, he was given the opportunity for a higher position after he gained his Master's degree in Agriculture and Fisheries thru the EHRDP Program. He was recognized as the youngest

Municipal Agricultural Officer in Davao City. He said that integrity and humility in the workplace are the keys to his rapid promotion. He also believes that every open door of opportunity is a light to success.

B. Studies with great impact to the community

Thesis and dissertation were conducted by the scholars as a requirement for the Master's and Doctoral degrees. The following studies are just one of the few that had great impacts to the community.

Ms. Maricel Endico was working at LGU Mainit, Surigao del Norte and was closely working with ATI – RTC XIII for extension services before she pursued her master's degree. She never expected that ATI will be part of her professional growth, by taking up Masters in Environmental Management through the EHRDP implemented by the agency. Her research entitled Assessment of Mercury Contamination in Sediments and Common Carp in selected river mount of Lake



Mainit, Philippines examines the mercury content on the sediment since the lake is surrounded with small and large scales of mining companies. The study has a great impact in their community because it aims to protect and preserve Lake Mainit, since it is the communities' main source of livelihood as well as an icon and a tourist destination. The research has been presented to BFAR and gained recognition by local and international conferences.

Mr. Alan Pugong, availed the thesis assistance for graduate studies under the EHRDP program. His thesis entitled "Assessment of the Unified National Artificial Insemination Program of the DA-RFU I 1st District of La Union" has great impact on the different bureaus, field units and other attached agencies (RFU-1, BAI, PCC, NDA, LDC) and the Office of the Provincial Veterinarians (OPVET) in evaluating whether artificial insemination program has successfully and extensively implemented within the 1st District of La Union. It has been a basis for the concerned offices in formulating changes and innovations on projects, activities and policies to enhance efficiency and progress in the implementation of programs.



Jerlinda Cruz, an agricultural extension worker from the BFAR-RFTC V, is a recipient of the EHRDP Scholarship Program. Her thesis titled "Performance Evaluation of Modified Floating Rope Method in the Production of Seaweed in Tiwi, Albay", aimed to evaluate the Modified Floating Rope Method (MFRM) which was promoted by the BFAR-RFTC V to address the problem of the community with regard to unsustainable livelihood of fishers due to damages caused by typhoons. This method is where seaweeds



are attached to ropes forming like a floating farm lot in the middle of the sea. This is seen to help seaweed withstand strong typhoons since it can be easily submerged as compared to the usual method. As a matter of fact, seaweed farmed using this method had a survival rate of 88.33% which also withstood typhoon Yolanda (Haiyan).

Jennifer N. Baguinang of Region 10 made a difference on her thesis entitled “The Efficiency of Different Indigenous Attractants with Traps at varying placement distances on Sweet Pepper” which showcased the appropriate placement distance of indigenous attractants with trap to minimize and even control pests' incidence. Periodic synthetic pesticides spraying is a common practice by our farmers to control pests which resulted to health related problems and pollution to the environment. Using indigenous attractants with traps will help address the threats of global warming by recycling these materials into a usable form that would ensure quality farm products best and safe for human consumption.

C. Testimonies

Part of the assessment of the program is to compile stories of the scholars which describes their experiences, challenges and opportunities along the way of improving their profession towards a more effective and efficient service and the following are some of the scholar's testimonies:

1. Hector A. Tabun

Mr. Hector U. Tabbun highly expressed his gratitude for being one of the fortunate recipients of EHRD Program. He emphasized that “...*the program molded me to be an efficient and effective public servant with the introduction of new ideas and strategies on organization, management, human behavior and public administration.*” Moreover, the Program motivates him to bring out the best in his work to view gratitude to the people's money and worth for the opportunity given to him.

2. Roger Tamayo

Professor Roger Tamayo is an inspiring professor who believed that do not limit your knowledge and skills for what you have but aspire for growth. Prof. Tamayo express his appreciation to the program offered and for being fortunate recipient of EHRDP. He added that “...*the program has a rippling effect – through that scholarship given to teachers and workers, my students will be benefited with deeper knowledge and equipped with appropriate skills to be globally competitive.*”

3. Herminia B. Atal

Herminia B. Atal is an Agricultural Technologist in Region II who has a big heart in public service. She believe that learning is a continuous process however, taking Master's Degree requires big amount of money. That is why EHRDP has contributed big part to Atal's life to take her Masters with worry less in terms of financials. She highlighted that she took her studies smoothly because of unfailing support of ATI. She emphasize that “*I graduated Master's degree with pride and honor in which I am forever grateful to this agency (ATI)*”. In able to give back she said that “*I promised myself to serve farmer-clientele with accurate, immediate and helpful information through tireless public service. Aiming to touch their mind and heart and uplift their lives through assisting them in their noble way of living-faming.*”

4. Pat F. Bumalaon

Mr. Pat F. Dumaloan started seeing only himself dreaming for all his achievements today. Before, he was hesitant to pursue any studies because his priority was his family and work. But in 2009 he was granted for a full scholarship program offered by ATI. He said that after he was completed his Masters a big change has come and totally a dream came true. Because through the learning experiences and knowledge and skills he acquired during his Masters he use it to pass his Agriculturist Licensure Examination in 2012. He was also promoted to become a Municipal Agricultural Officer in March 2013. Dumaloan said *"I became more competent and gained more expertise in my field. My salary doubled plus other benefits"*. He said that EHRDP plays a vital role in his life and he stated that *"I would not have been able to realize my dreams without the EHRDP-ATI scholarship program."*

5. Maria Lilith M. Turan

Ms. Maria Lilith M. Turan share her award received after the EHRDP scholarship program. Like the other experiences of the graduates, she also share that her life was uplift through the benefits gained because of the earned degree. Because of the learned experiences, knowledge and skills acquired during her thesis, she applied it when completing the needed requirement in joining the Rice Achiever Award *"...I received an award as an Outstanding DA Rice Achiever Award – Agricultural Extension Worker."* She was grateful and honored for the award she received. In addition to that she said, *"It made me so proud that for two years, our province has become an Outstanding Rice Achiever – LGU Category."*

6. Liza Abarido

Ms. Liza L. Abarido of LGU-Manolo Fortich, Bukidnon was once only dreaming to be a scholar of EHRDP Scholarship Program. But once she had the opportunity to apply for this scholarship program she immediately grab it and comply with the needed requirements. When accepted in the scholarship program she experienced lot of challenges and gone through hardships. There was a series of crying and heartaches nor sleepless nights to comply with the requirements needed, study for the examinations and defense. It makes her heart struggle a lot when she found out that her LGU-MAO family cannot support in her endeavor. Nonetheless, through the cheering hearts of her family, friends and lots of prayer, she got the strength to move and do all the work she needed to complete and graduate the program. She said after taking her graduate studies she realized that *"1) rejection should never stop you, 2) failure is not a problem at all, 3) people who reject you know nothing and 4) believing in yourself is the key to success in life"*. She also added that *"there's nothing better than educating yourself to become a successful individual."*

7. Baby Jane S. Almogela

Ms. Baby Jane S. Almogela of LGU-Kauswagan expressed her gratitude for being fortunate scholar of EHRDP scholarship program. She said that the scholarship program contributed much to her character, knowledge and experience. The program gave her the opportunity to acquaint, mingle and relate to co-workers and practitioners of Agriculture. She said that *“the scholarship program encouraged me all the more to be more efficient and effective AEW”* so that she can contribute to the agricultural productivity and to the environment conservation through the knowledge and experience she earned during her study. Moreover she said that *“EHRDP was an instrument for me to develop my technical working skills”*. Ms. Almogela also share that through the gained knowledge and skills she got passed the licensure examination for agriculturist and promoted as Agriculturist II last December 2013. And she believed that the program help her enhance her passion to deliver quality extension services in the municipality. And this passion leads her to help achieve the greatest dreams of her municipality. She mentioned that *“I am proud to say I was a partaker of the milestones in our municipality”*. Because last 2013 the municipality won the National Organic Agriculture Achievers Award for LGU Category and they made to the top 10 of the Gawad Galing Pook Awards for the *“Arms to Farms-Walking through the Paths of Peace”* a joint program of ATI, AFP and the LGU Kauswagan. This only some of the municipality achievements that she was really proud that she contributed to the progress after enhancing her knowledge, skills and experienced through the EHRDP Scholarship program

8. Johnny V. Ramos

Mr. Johnny V. Ramos said that he was like the other scholars who also gone hardships and triumph because of the EHRDP scholarship program. Moreover, he emphasize that his experienced would become an authentication that if you believed poverty is not hindrance to success you will achieve progress in your life. And he said that *“as a public servant for five (5) years, I am cognizant that there are still a lot of things I need to learn and experience”*.

V. PROJECT PROMOTION/PUBLICITY

The information regarding the EHRDP was initially presented to partner institutions during the Briefing/Orientation conducted for the SUCs last 2009. This is the year when the ATI-RTCs are involved in the implementation of the EHRDP. It was highlighted during the orientation that the EHRDP was funded under the US PL 480 Food for Peace (Title I) Program.

Briefing/Orientation conducted by ATI-RTCs re-echoed that EHRDP was funded from the US PL 480 Title I Program.

Billboards are established inside the campuses of the EHRDP scholars that states the support of the US PL480 in the scholarship program.

There were promotional materials for the US PL 480 printed in T-Shirts and coffee mugs distributed to the scholars and their colleagues.



VI. FINANCIAL REPORT

FINANCIAL ACCOMPLISHMENT (YEAR 2000-2014)			
Year	Financial Allocation (Million Pesos)		
	Allotment	Actual Obligation	Disbursement
2000-2005 (Fund 102)	105.448	105.448	105.448
2008: 2009 (Fund 102)	110.053	110.053	72.053
2009: 2010-2011 (Trust Fund)	105.373	105.373	105.373
2010: 2011-2013 (Trust Fund)	94.713	94.615	94.615
2011: 2013-2014 (Fund 102)	84.413	84.413	84.413
TOTAL	500.000	499.902	461.902

The financial report revealed that 99.98% or PhP 499.902 Million was obligated out of the total program cost of P500 Million. In Year 2009, a MOA was forged between the SEARCA and the DA to undertake capability enhancement activities for middle level managers of the DA and scholarships for the department's staff. The project cost of P50 Million was taken from the EHRDP fund.

Due to the rationalization of the DA, SEARCA had a hard time recruiting applicants due to the delay in the filling up of positions and majority of the DA employees were over age. Also, only few passed the stringent process of SEARCA.

These were the reasons SEARCA's cash utilization was only P 12 Million out of the P50 Million obligated to them. SEARCA ended its contract in December 31, 2014.

Thus, the amount of P 38.092 Million was not utilized.

VII. RECOMMENDATIONS

It is worthy to emphasize that the DA as mandated in AFMA has the responsibility of providing its personnel equal opportunities for training, education and career development on a continuing basis. In addition, investments in Agriculture and Fisheries (AF) human resource through capability building and education support will enable them to require desirable wisdom, knowledge and skills to face modern development challenges. Along this line, it is highly recommended that the EHRDP be extended and revitalized to provide formal and non-formal capability building to DA personnel, LGUs, SUCs, and other partner institutions.

The courses offering of the SUCs should be enhanced to respond to the needs of the agriculture sector (e.g. Climate Change resiliency, Good Agricultural Practices, ASEAN Economic Integration, etc.)

A scholarship program tailored for working personnel/staff should also be included. The designed scholarship program must allow the scholars to finish a course while continue performing his/her job. Another system that can be offered is the blended learning strategy. This is a combination of regular classes and internet/e-learning.

Briefings and orientation on the scholarship guidelines to all implementers should also be done. Intensification of communication will always be an integral component in the success of any program. After a review of the guidelines as to the relevance and appropriateness, it is suggested that an intensified information drive to reach and attract more scholars be done.

Increase in the scholarship allowances and benefits will level or be competitive with other scholarship programs of other institutions.

Institutionalizing the Technology Forum/Symposium conducted in the region and in the Central office to encourage scholars to conduct high quality researches.

To continue the EHRDP to provide equal opportunities for training, education and career development to the newly hired employees in the DA under the Rationalization Plan.

VIII. CONCLUSIONS

1. From several assessments and reviews conducted, it was found out that EHRDP enhanced the capability of the scholars in their job performance. The scholar's employer feels more confident on the ability of their scholar upon completion of the course. The program has a positive impact on the scholar's performance and scope of responsibilities. Scholars from the SUCs were grateful because the program gave them the opportunity to complete their Master's Degree which is one of the requirements to get his/her appointment.
2. The conduct of Technology Forum/Symposium was an effective activity to present the results of studies conducted by the scholars. The participants composed of LGUs, DA and SUC extension workers, and farmers/fisherfolk felt grateful for the new ideas and technologies that can be demonstrated or adopted back in their locality.
3. There was a smooth implementation of course offering of the partner institutions: UAP; ASoG; UP-Visayas; XU-CDO; and UP-Diliman for the year 2001-2006. A MOA was forged with these partner institutions to implement the EHRDP. During this period, the ATI-Regional Training Centers has limited involvement; hence, there was a direct supervision by Central Office through its ATI Capability Building Committee. Any issues/concerns for its implementation was addressed directly to the Central Office. The course offering during this period was limited only to these five (5) institutions, which limits the number of applicants that availed in the program.
4. The implementation of the EHRDP through the ATI Network of Training Centers for the year 2008-2013 expedited the process flow of the program. Targets were attained and problems/issues and concerns were addressed faster and easier. Periodic monitoring of the scholars was conducted as part of management strategy in program implementation.
5. The EHRDP provided financial support to six (6) book publications that were distributed to partner agencies.
6. The EHRDP contributed to the goal of achieving overall sustainable development in the Philippines. The achievement of the scholars addressed the need of human resource development in agriculture and fisheries sectors. The presence of capable technical staff in the workplace is a booster in achieving agriculture and fisheries development.
7. Likewise, EHRDP was able to support policy study that determines the predisposition factors that contributed the students to enroll in agri-based courses and, policy study on the implementation of Local Scholarship Program.

ANNEXES

Annex A

List of EHRDP Scholars (YEAR 2000-2007)

EXPANDED HUMAN RESOURCE DEVELOPMENT PROGRAM (EHRDP) - (YEAR 2000-2007)

CENTER	Name <i>(Last, First, Middle Name)</i>	Agency/ Office	Degree Course	School	Status <i>(Graduated or for Refund)</i>	Thesis/Dissertation
1	NCR Abella, Ellen Ruth L.	NNC	MPM-RAD	ASoG	Graduated	Assessment of the Policy Formulation and Coordination Capacity of the National Nutrition Council Technical Staff Towards The Achievement of its Mandate
2	NCR Agoot, Estela H.	NAFC	MPM-RAD	ASoG	Graduated	Open Skies Polict at the Diosdado Macapagal International Airport (DMIA), Clark Freeport Zone, Pampanga: Evaluatong the Air Transport Market Potential of the Clark Route
3	NCR Ambrocio, Rachelle F.	LDC	MPM-RAD	ASoG	Graduated	
4	NCR Arellano, Bertolio P.	BSWM, NCR	Master's Program in Food Systems	UAP	Graduated	Financial and Economic Analyses of Small Water Impounding Projects in Selected Sites in the Philippines
5	NCR Arreza, Rosarie	BFAR, NCR	Master's Program in Food Systems	UAP	Graduated	Firm-level Impact of Trade Discrimination on Philippine Canned Tuna by the United states of America and the European Union
6	NCR Atanacio, Ma. Lourdes L.	DA-OSEC	MPM-RAD	ASoG	Graduated	Alternatives in Achieving Food Security (A Case of Nueva Ecija, Ilocos Norte, and Bulacan)
7	NCR Atanacio, Rommel B.	DA-OSEC	MPM-RAD	ASoG	Refund	
8	NCR Atienza, Robert G.	FIDA	MPM-RAD	ASoG	Graduated	Career Aspiration of PHILFIDA Research Personnel
9	NCR Bales, Sarah L.	NAFC	MPM-RAD	ASoG	Graduated	Policy Advocacy: Protecting The Philippine Fisheries Industry in the International Trade
10	NCR Balibrea, Luz Brenda P.	DA-OSEC	MPM-RAD	ASoG	Graduated	The DA Project Development System: Its Implications on the Sustainability of JICA-Assisted Projects
11	NCR Banzuela, Ethel F.	BSWM, NCR	MPM-RAD	ASoG	Graduated	Comparative Analysis of the Shallow Tubewell Program of the Department of Agriculture Regional Field Unit (DARFU) and the National Irrigation Administration (NIA) of Region IV
12	NCR Begonia, Carmencita C.	NAFC	MPM-RAD	ASoG	Graduated	Evaluation of the AFMA Monitoring System of the National Agricultural and Fishery Council
13	NCR Besenio, Jose Redentor H.	NAFC	MPM-RAD	ASoG	Graduated	Assessment of Mechanical Drying Interventions for Rice Farmers: Nueva Ecija in Perspective
14	NCR Bolvar, Naida	NMIS	Master's Program in Food Systems	UAP	Refund	

15	NCR	Borre, Elmer B.	BSWM, NCR	MPM-RAD	ASoG	Graduated	Integration of SAFDZ into the Municipal Comprehensive Land Use Plan: A Step to Mitigate Conversion of Prime Agricultural Land
16	NCR	Caniban, Laurence Nino C.	NFA	MPM-RAD	ASoG	Refund	
17	NCR	Canillas, Dario Bonifacio	NMIC	MPM-RAD	ASoG	Refund	
18	NCR	Caparas, Marissa E.	Quedancor	MPM-RAD	ASoG	Graduated	Rationalizing Quedancor's AGRI-CREDIT Programs
19	NCR	Carlos, Lorraine M.	NNC	MPM-RAD	ASoG	Graduated	Strengthening the Barangay Nutrition Scholar (BNS) Program
20	NCR	Castillo, Noelito V.	ITCAF	MPM-RAD	ASoG	Refund	
21	NCR	Catalla, Jose L.	FIDA	MPM-RAD	ASoG	Graduated	Assessment of Clustering and Networking of the Furniture Industry in the Cagayan Valley Region
22	NCR	Chispa, Ruth C.*	Quedancor	MPM-RAD	ASoG	Graduated	
23	NCR	Cosico, Marites P.	ATI-Reg IVA	MPM-RAD	ASoG	Graduated	stitutionalizing An effective Monitoring and Evaluation System of ATI Training Programs
24	NCR	Cosico, Theresa Aurora B.	ATI, Central Office	Master's Program in Food Systems	UAP	Graduated	Enhancing Global Competitiveness of the Philippine Corn Industry under a Dynamic Open Trade Regime
25	NCR	Cruz, Magdiwang S.	NMIC	MPM-RAD	ASoG	Refund	
26	NCR	Dacumos, Evangeline F.	BSWM, NCR	MPM-RAD	ASoG	Refund	
27	NCR	Danza, Graciela B.	ATI-ITCPH	MPM-RAD	ASoG	Graduated	Review and Reformulation of the ITCPH Appraisal System As Tied Up with the Existing Productivity Incentive Bonus
28	NCR	De Gala, Cynthia A.*	Quedancor	MPM-RAD	ASoG	Graduated	Property and Supply Division: An In Depth Evaluation and Assessment (Systems and Procedures)
29	NCR	De Sagun, Junibert	DA-PDS	MPM-RAD	ASoG	Graduated	The Framework of the Agricultural Competitiveness Enhancement Fund - Monitoring and Evaluation System
30	NCR	Delos Santos, Diana M.	NAFC	MPM-RAD	ASoG	Graduated	Assessment Concerning Major Issues on NAFC Committee on Poultry, Livestock and Feed Crops
31	NCR	Delos Santos, Joseph P.	NAFC	MPM-RAD	ASoG	Graduated	The Monetization of the Japan Increased Food Production Program in the Philippines (Japan 2KR Program)

32	NCR	Dilig, Vener L.	DA-FOS	MPM-RAD	ASoG	Graduated	
33	NCR	Duban, Divino D.*	Quedancor	MPM-RAD	ASoG	Refund	
34	NCR	Engallado, Emmanuel B. (Deceased)*	BAS	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
35	NCR	Esplana, Elmer R.	BAI	Master's Program in Food Systems	UAP	Refund	
36	NCR	Estanislao, Eufrecina L.	BAI	MPM-RAD	ASoG	Refund	
37	NCR	Fernandez, Lourdes	SRA, NCR	Master's Program in Food Systems	UAP	Graduated	Profitability Assessment of Philippine Sugarcane Farming
38	NCR	Fernandez, Ma. Dolores M.	NFA	MPM-RAD	ASoG	Graduated	A Distribution Model for the Cost Efficiency in Resource Allocation For Procurement And Distribution of Rice Stocks
39	NCR	Flores, Gizelle G.	NFA	MPM-RAD	ASoG	Graduated	Assessment of Communication System of the National Food Authority-Central Office
40	NCR	Galang, Rodolfo R.	BAR	MPM-RAD	ASoG	Graduated	Strengthening the Impact Evaluation Function of the Bar (A Strategic Management Paper)
41	NCR	Galdonez, Merlyn R.	NAFC	MPM-RAD	ASoG	Graduated	Government Electronic Procurement System (G-EPS) Services in the Department of Agriculture Region IVB, Philippines
42	NCR	Genete, Rowena S.	DA-OSEC	MPM-RAD	ASoG	Graduated	Enhancing Capability for Planning of the Agribusiness and Marketing Assistance Service
43	NCR	Gomez, Delia	NDA	Master's Program in Food Systems	UAP	Graduated	Public Investment in Philippine Dairy Development: Its Impact on Local Milk Supply
44	NCR	Gonzales, Leilanie A.*	PCA	Master's Program in Food Systems	UAP	Refund	
45	NCR	Gonzales, Roberto C.	NFA	MPM-RAD	ASoG	Graduated	An Analysis of Rice Distribution Program at the National Food Authority in the Province of Laguna
46	NCR	Guiang, Edha	BPI, NCR	Master's Program in Food Systems	UAP	Refund	

47	NCR	Guilleno, Edeliza V.	ICTS	MPM-RAD	ASoG	Graduated	Assessment of "Pamana Ng Lungsod" Relocation Site in Calapan City
48	NCR	Hubag, Dionisio P.	NFA	Master's Program in Food Systems	UAP	Refund	
49	NCR	Kindipan, Nina Marie L.	PCA	Master's Program in Food Systems	UAP	Graduated	The Impact of EU Quality standard on the Philippine copra Meal Exports
50	NCR	Labuguen, Rodrigo N.	BAS	MPM-RAD	ASoG	Graduated	Strengthening the Capability of Information Technology and Network Management Division As Support Division of the Bureau of Agricultural Statistics
51	NCR	Lagamayo, Gabriel L.	NDA	Masters in Public Management focusing on Rural and Agricultural Development (MPM-RAD)	ASoG	Graduated	Incentive Mechanisms for Dairy Farmers in Southern Tagalog
52	NCR	Laguna, Jude Ray P.	BAR	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Graduated	
53	NCR	Lanuza, Maria B.	DA-OSEC	MPM-RAD	ASoG	Graduated	An Assessment of the Performance Appraisal System of the Livestock Development Council and Areas of Innovations
54	NCR	Loculan, Dinah R.	DA-OSEC	MPM-RAD	ASoG	Graduated	NGA-LGU Partnership: A Strategy to Establish the Dairy Program in Zamboanga Del Norte
55	NCR	Lustria, Mildiadema V.	OSEC	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
56	NCR	Lustria, Ulysses Jr. J.	OSEC	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Graduated	Towards Improving the Public Investment Programming System of the Philippine's Department of agriculture
57	NCR	Macaissa, Apolonio C.	NAFC	MPM-RAD	ASoG	Graduated	Socio-Economic Benefit of Coal-Fired Power Plant in Iloilo City

58	NCR	Macam, Felicitas B.	DA-OSEC	MIPM-RAD	ASoG	Graduated	The Agricultural Competitiveness Enhancement Fund: An Assessment
59	NCR	Maghirang, Ma. Alillia G.	DA-PDS	Master's Program in Food Systems	UAP	Graduated	Enhancing Global Competitiveness of the Philippine Sugar Industry under a Dynamic Open Trade Regime
60	NCR	Malabanan, Ruth T.*	Quedancor	MIPM-RAD	ASoG	Graduated	A Model for Benefit Evaluation of Quedancor Program
61	NCR	Marges, Maribel G.	FIDA	MIPM-RAD	ASoG	Graduated	An Assessment of FIDA Programs, Organizational Structure, Culture and Climate
62	NCR	Mariano, Luisito L.	BAI	Master's Program in Food Systems	UAP	Refund	
63	NCR	Mercado, Arlene B.	NAFC	MIPM-RAD	ASoG	Graduated	Enhancing the Lead 2000 Program-Phase II Project Monitoring and Evaluation Framework Implemented by NAFC
64	NCR	Meso, Harel C.	NFA	MIPM-RAD	ASoG	Refund	
65	NCR	Milanes, Ma. Belen A.	NAFC	Master's Program in Food Systems	UAP	Graduated	Towards Enhancing the Competitiveness of Selected High Value Vegetables in the Philippines
66	NCR	Mistal, Demosthenes N.	BAS	Master's Program in Food Systems	UAP	Graduated	Enhancing the Global competitiveness of the Philippine Potato Industry under a Dynamic Open Trade Regime
67	NCR	Morales, Daisy	NMIC	Master's Program in Food Systems	UAP	Refund	
68	NCR	Morano, Eduardo C.	BAS	MIPM-RAD	ASoG	Refund	
69	NCR	Morfe, Noemi A.	NFA	MIPM-RAD	ASoG	Graduated	Strengthening the Monitoring and Evaluation (M&E) System of the National Food Authority
70	NCR	Mota, Alegria A.	BAS	Master's Program in Food Systems	UAP	Graduated	Analysis of Urban-Rura Differences in Agricultural Performance of Selected Regions in the Philippines
71	NCR	Natividad, Antonette P.	BAS	MIPM-RAD	ASoG	Graduated	Improving Service and Information Disseminating System (Bureau of Agricultural Statistics)
72	NCR	Ocampo, Virgilio P.	BAS	Master's Program in Food Systems	UAP	Refund	
73	NCR	Ongsotto, Orlando	NMIC	Master's Program in Food Systems	UAP	Refund	
74	NCR	Orias, Julieta Aurora B.	NFA	Master's Program in Food Systems	UAP	Graduated	The Impact of Improved Post-Harvest Facilities and Practices on Rice in Pangasinan
75	NCR	Pamittan, Ronald C.	ITCAF	MIPM-RAD	ASoG	Refund	

76	NCR	Pangilinan, Nemielynn P.	ATI, Central Office	Master's Program in Food Systems	UAP	Graduated	Enhancing the Global Competitiveness of the Philippine Coffee Industry under a Dynamic Open Trade Regime
77	NCR	Mota, Alegria A.	BAS	Master's Program in Food Systems	UAP	Graduated	Analysis of Urban-Rura Differences in Agricultural Performance of Selected Regions in the Philippines
78	NCR	Natividad, Antonette P.	BAS	MPM-RAD	ASoG	Graduated	Improving Service and Information Disseminating System (Bureau of Agricultural Statistics)
79	NCR	Ocampo, Virgilio P.	BAS	Master's Program in Food Systems	UAP	Refund	
80	NCR	Ongsotto, Orlando	NMIC	Master's Program in Food Systems	UAP	Refund	
81	NCR	Orias, Julieta Aurora B.	NFA	Master's Program in Food Systems	UAP	Graduated	The Impact of Improved Post-Harvest Facilities and Practices on Rice in Pangasinan
82	NCR	Pamittan, Ronald C.	ITCAF	MPM-RAD	ASoG	Refund	
83	NCR	Pangilinan, Nemielynn P.	ATI, Central Office	Master's Program in Food Systems	UAP	Graduated	Enhancing the Global Competitiveness of the Philippine Coffee Industry under a Dynamic Open Trade Regime
84	NCR	Parot, Elsa A.	ATI-Central Office	MPM-RAD	ASoG	Graduated	Enhancing the Development Support Communication Program of the Agricultural Training Institute- Extension Communication Division
85	NCR	Pasos, Angelita M.	NNC	Master's Program in Food Systems	UAP	Refund	
86	NCR	Pecson, Leny	DA-AMAS	Master's Program in Food Systems	UAP	Graduated	Impact of China's Accession to WTO on the Export Performance of Philippine Fresh Mango to China
87	NCR	Pelle, Maximo R.	SRA, NCR	MM-RD	UPV	Graduated	Effect of Farm Management Practices on Sugarcane Production in Two Milling Districts in Batangas
88	NCR	Penullar, Iluminada G.	DA-OSEC	MPM-RAD	ASoG	Graduated	Competency Needs Assessment of the DA-International Technical Cooperation Activities and As Secretariat to the FAS CORPS
89	NCR	Perez, Dick A.	NMIC	MPM-RAD	ASoG	Refund	
90	NCR	Polliquit, Lolita Y.*	DA-Planning	MPM-RAD	ASoG	Refund	
91	NCR	Pulumbart, Felizardo Jr. N.	BFAR	MPM-RAD	ASoG	Graduated	An Assessment of the Bureau of Fisheries and Aquatic Resources' Technology Advisory Services for the Seaweed Industry

92	NCR	Quintero, Mary Grace C.	BFAR, NCR	MM-RD	UPV	Refund	
93	NCR	Ramos, Francisco III A.	DA-FOS	Master's Program in Food Systems	UAP	Graduated	An Analysis of the Price and Cost Competitiveness of the Philippine Hog and Broiler Industries
94	NCR	Ramos, Leonor A.	NAFC	MPM-RAD	ASoG	Graduated	Impact of the New Government Accounting System (NGAS) on the Operations of the National Agricultural and Fishery Council (NAFC) a Preliminary Assessment
95	NCR	Relayson, Hope J.	BFAR	MPM-RAD	ASoG	Graduated	Enhancing Plan-Budget Management in the City of Iloilo
96	NCR	Remanes, Renato G.	DA-AMAS	Master's Program in Food Systems	UAP	Graduated	An Analysis of the Costs and Benefits of Philippine Participation to Selected International Trade Fairs and Exhibitions as Promotional Tools for Agri-Fishery Products
97	NCR	Remoroza, Xerxees R.	ICTS	MPM-RAD	ASoG	Graduated	Improvement of the Gawad Saka National Secretariat (GSNS) Through Performance Assessment
98	NCR	Reolalas, Felipe P. Jr	LDC	Master's Program in Food Systems	UAP	Graduated	
99	NCR	Reyes, Isidro J.	DA-OSEC	MPM-RAD	ASoG	Graduated	Reinventing the Project Identification and Evaluation Division of the Project Development Service
100	NCR	Rico, Josefina	NMIS	Master's Program in Food Systems	UAP	Graduated	Enhancing Global Competitiveness of the Philippine Poultry Industry under a Dynamic Open Trade Regime
101	NCR	Rivera, Ma. Victoria L.	ATI-Cental Office	MPM-RAD	ASoG	Graduated	An Assessment of the Implementation: Bridging futures Youth Scholarship and Arts Program in the City Government of Calapan
102	NCR	Rojas, Haide T.	BFAR	MPM-RAD	ASoG	Graduated	Building Capacity in Fisheries Hazard Analysis Critical Control Point (HACCP) Implementation in the Philippines
103	NCR	Salinas, Rodolfo L.	BAR	MPM-RAD	ASoG	Graduated	Strengthening Capability of CFARMC Services in Region XI
104	NCR	Salvador, Jocelyn A.	NMIC	MPM-RAD	ASoG	Graduated	Case Study on Accreditation Compliance of Meat Establishment Improvement Program Assisted Local Government Unit Owned Slaughterhouses in Region III
105	NCR	Samson, Leah A.	DA-OSEC	MPM-RAD	ASoG	Graduated	An Economic Assessment of Rice Commodity Loan Under the US PL 480 Program

106	NCR	Quintero, Mary Grace C.	BFAR, NCR	MIM-RD	UPV	Refund	
107	NCR	Ramos, Francisco III A.	DA-FOS	Master's Program in Food Systems	UAP	Graduated	An Analysis of the Price and Cost Competitiveness of the Philippine Hog and Broiler Industries
108	NCR	Ramos, Leonor A.	NAFC	MPM-RAD	ASoG	Graduated	Impact of the New Government Accounting System (NGAS) on the Operations of the National Agricultural and Fishery Council (NAFC) a Preliminary Assessment
109	NCR	Relayson, Hope J.	BFAR	MPM-RAD	ASoG	Graduated	Enhancing Plan-Budget Management in the City of Iloilo
110	NCR	Remanes, Renato G.	DA-AMAS	Master's Program in Food Systems	UAP	Graduated	An Analysis of the Costs and Benefits of Philippine Participation to Selected International Trade Fairs and Exhibitions as Promotional Tools for Agri-Fishery Products
111	NCR	Remorozo,Xerxees R.	ICTS	MPM-RAD	ASoG	Graduated	Improvement of the Gawad Saka National Secretariat (GSNS) Through Performance Assessment
112	NCR	Reolalas, Felipe P. Jr	LDC	Master's Program in Food Systems	UAP	Graduated	
113	NCR	Reyes, Isidro J.	DA-OSEC	MPM-RAD	ASoG	Graduated	Reinventing the Project Identification and Evaluation Division of the Project Development Service
114	NCR	Rico, Josefina	NMIS	Master's Program in Food Systems	UAP	Graduated	Enhancing Global Competitiveness of the Philippine Poultry Industry under a Dynamic Open Trade Regime
115	NCR	Rivera, Ma. Victoria L.	ATI-Cental Office	MPM-RAD	ASoG	Graduated	An Assessment of the Implementation: Bridging futures Youth Scholarship and Arts Program in the City Government of Calapan
116	NCR	Rojas, Haide T.	BFAR	MPM-RAD	ASoG	Graduated	Building Capacity in Fisheries Hazard Analysis Critical Control Point (HACCP) Implementation in the Philippines
117	NCR	Salinas, Rodolfo L.	BAR	MPM-RAD	ASoG	Graduated	Strengthening Capability of CFARMC Services in Region XI
118	NCR	Salvador, Jocelyn A.	NMIC	MPM-RAD	ASoG	Graduated	Case Study on Accreditation Compliance of Meat Establishment Improvement Program Assisted Local Government Unit Owned Slaughterhouses in Region III
119	NCR	Samson, Leah A.	DA-OSEC	MPM-RAD	ASoG	Graduated	An Economic Assessment of Rice Commodity Loan Under the US PL 480 Program

120	NCR	Sanguyo, Edgardo*	BAS	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
121	NCR	Sevenorio, Saturly S.	BAS	MPM-RAD	ASoG	Graduated	An Assessment of the Human Resource Management in the Bureau of Agricultural Statistics
122	NCR	Siase, Leolito D.	BSWM, NCR	Master's Program in Food Systems	UAP	Refund	
123	NCR	Soliaban, Cyril L.	NAFC	Master's Program in Food Systems	UAP	Graduated	Effects and Implications of the G-33 Modalities for Special Safeguard Mechanism on Philippine Agricultural Trade: The Case of Garlic, Onion, Carrot and Coffee
124	NCR	Sonaco, Ruth M.	ATI-ITCPH	MPM-RAD	ASoG	Graduated	A Strategy Paper for the Creation of the Philippine Pig Center (PPC) (Otherwise Known as PHILPIG)
125	NCR	Subang, Elmir-Ar-J.N.	BFAR	MPM-RAD	ASoG	Graduated	Enhancing the BFAR Monitoring and Evaluation System
126	NCR	Sulabo, Marivic F.	NNC	MPM-RAD	ASoG	Graduated	Rationalizing Local Government Support for the Enhancement of Basic Education in Private Educational Institutions in the Rural Areas of Mariveles, Bulacan
127	NCR	Tecson, Esperanza I.	NFA	MPM-RAD	ASoG	Graduated	The NFA Procurement Program: An Assessment and a Proposed Model for Province Based Market Intervention
128	NCR	Togonon, Ada Korina M.	BFAR	MPM-RAD	ASoG	Graduated	Strengthening the Legislative Support Services of the Philippine Senate
129	NCR	Tolentino, Leonardo M.*	Quedancor	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
130	NCR	Trinidad, John Gabriel C.	FTI	Master's Program in Food Systems	UAP	Refund	
131	NCR	Viana, Elizabeth M.	BFAR	Master's Program in Food Systems	UAP	Refund	

132	NCR	Viray, Catherine A.	NAFC	MPM-RAD	ASoG	Graduated	Enhancing Policy Formulation Through Stakeholders' Participation: A Case Study on the Lifting of the Ban on the Importation and Culture of Pacific White Shrimp (Penaeus Vannamei)
133	NCR	Vitug, Annaliza	BFAR, NCR	Master's Program in Food Systems	UAP	Refund	
134	NCR	Vivo, Ma. Lourdes P.	DA-Policy Research Service	Master's Program in Food Systems	UAP	Graduated	An Analysis of Government Expenditure for Agriculture
135	NCR	Yambao, Carmelita A.	NAFC	MPM-RAD	ASoG	Graduated	An Assessment of the Agricultural and Fishery Council and Local Government Unit Partnership in Agriculture and Fishery Development: The Experience of Bulacan
136	NCR	Yanson, Nenita T.	BAS	Master's Program in Food Systems	UAP	Graduated	Managing Supply-Demand Balance of the Broiler Industry through an Early Warning System (EWS)
137	CAR	Allig, Ana B.	PLGU, Kalinga	MPM-RAD	ASoG	Graduated	Assessment of the Capacity of the Kalinga Provincial Veterinary Office in Carrying Out Its Assigned Functions
138	CAR	Pec-ao, Faith C.	PLGU, Mt. Province	MM-RD	UPV	Graduated	Production Technology Training as an Approach to the Increasing Yield of Arabica Coffee in Selected Municipalities of Mountain Province
139	I	Sanchez, Rosemarie V.	DA-RFU I	Master's Program in Food Systems	UAP	Refund	
140	I	Balicat, Cathy V.	DA-RFU I	MPM-RAD	ASoG	Graduated	Assessment of the Potential of Iloilo City's Central Business District Towards a Revitalization Program
141	I	Menor, Mary Ruth O.	DA-RFU I	MPM-RAD	ASoG	Graduated	Impact Assessment of the LGU Financial Support to the Sustainability of the Provincial Agricultural and Fishery Council in the Province of Bulacan
142	I	Tactac, Irene P.	DA-RFU I	Master's Program in Food Systems	UAP	Graduated	An Analysis of Crop Alternatives to Tobacco in Ilocos Sur
143	II	Factor, Jeff Jonazon T.	DA-RFU II	Master in Applied Business Economics major in Food Systems Mgt.	UAP	Refund	

144	II	Paccarangan, Ma. Rosario U.	DA-RFU II	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
145	II	Pacris, Froilan Jr. A.	DA-RFU II	Diploma in Development Economics-10 months, Y2001 to 2003 Two (2) batches	UP-Diliman	Refund	
146	II	Montecalvo, Abner T.	PhilRice, NE/Agusan	Master's Program in Food Systems	UAP	Graduated	Supply Chain Efficiency of the Hybrid Rice Industry in Southern Mindanao
147	II	Olivas, Kay S.	DA-RFU II	Master in Applied Business Economics major in Food Systems Mgt.	UAP	Graduated	Agricultural Diversification in the Philippines: The Case of the North and Central Luzon Cluster (regions I, II, III and the CAR)
148	II	Pascual, Maureen A.	PhilRice, NE	Master's Program in Food Systems	UAP	Graduated	Implicit Price of Rice Quality Characteristics in Nueva Ecija Rice Mills
149	III	Lapid, Stephen Arlo C.	BFAR, Region III	Master's Program in Food Systems	UAP	Graduated	
150	III	Vergara, Romina S.	BFAR, Region III	MPM-RAD	ASoG	Graduated	An Assessment of the Agriculture Extension Services in Central Luzon
151	IVA	Cahuela, Ricardo, Jr. B.	BFAR,RegionIV	MM-RD	UPV	Refund	
152	IVA	Aceret, Helen O.	DA-RFU IV	MPM-RAD	ASoG	Refund	
153	IVA	De Sales, Josephine*	DA-RFU IV	MPM-RAD	ASoG	Refund	
154	IVA	Perlas, Violeta O.	DA-RFU IV	MPM-RAD	ASoG	Refund	
155	IVA	Samson, Felix D.	DA-RFU IV	MPM-RAD	ASoG	Refund	
156	IVA	Dimapilis, Eda F.	DA-RFU IV	MM-RD	UPV	Graduated	Gender Roles in Piña Weaving: The Case of Banga, Aklan
157	IVA	Mamades, Teodora G.	DA-RFU IV	MM-RD	UPV	Graduated	Benefits of Rice Technologies Introduced by the Department of Agriculture to Selected Barangays in Guimbal, Iloilo
158	IVA	Manalo, Daisynette D.	DA-RFU IV	MPM-RAD	ASoG	Graduated	An Assessment of Farmers' Participation in the Rationalization of Research and Development Agenda and Program of the Department of Agriculture Regional Field Office Unit No. 4-A

159	IVA	Catuirra, Adel V.	SRA, Calamba City	MM-RD	UPV	Graduated	Acceptability of High Yielding Varieties Among Sugarcane Farmers in Batangas Province
160	IVA	Elizon, Jean O.	DA-RFU IV	MPM-RAD	ASoG	graduated	Determinants of Low Loan Repayment Collection on Shallow Tube Wells (STW) Irrigation Project of Department of Agriculture in the Province of Batangas: Framework of Analysis
161	IVA	Dimapilis, Eda F.	DA-RFU IV	MM-RD	UPV	Graduated	Gender Roles in Piña Weaving: The Case of Banga, Aklan
162	IVA	Mamades, Teodora G.	DA-RFU IV	MM-RD	UPV	Graduated	Benefits of Rice Technologies Introduced by the Department of Agriculture to Selected Barangays in Guimbal, Iloilo
163	IVA	Manalo, Daisynette D.	DA-RFU IV	MPM-RAD	ASoG	Graduated	An Assessment of Farmers' Participation in the Rationalization of Research and Development Agenda and Program of the Department of Agriculture Regional Field Office Unit No. 4-A
164	IVA	Catuirra, Adel V.	SRA, Calamba City	MM-RD	UPV	Graduated	Acceptability of High Yielding Varieties Among Sugarcane Farmers in Batangas Province
165	IVA	Elizon, Jean O.	DA-RFU IV	MPM-RAD	ASoG	graduated	Determinants of Low Loan Repayment Collection on Shallow Tube Wells (STW) Irrigation Project of Department of Agriculture in the Province of Batangas: Framework of Analysis
166	IVA	Layola, Enrique H.	DA-RFU IVA	MPM-RAD	ASoG	Graduated	An Assessment of the Training Programs in the Bureau of Immigration
167	IVA	Panganiban, Gerald Glen F.	DA RFU IVA	MPM-RAD	ASoG	Graduated	Computerization Project in the Civil Registry Department of the City Government of Calapan
168	IVA	Ragus, Janice T.	BFAR, Region IV	MM-RD	UPV	Graduated	Fisheries Fiscal Resource Management Patterns of the Coastal Municipalities in Southern Iloilo, 2000-2005
169	IVA	Ramos, Carmelita	DA-RFU IV	MPM-RAD	ASoG	Graduated	A Needs Assessment on the Informations and Communications Technology Status of the Department of Agriculture Region IV A: Basis For the Establishment of the Regional Information Technology Unit In Compliance With The Agriculture and Fisheries Modernization ACT of 1997
170	IVA	Rivera, Nenita B.	DA-RFU IV	MPM-RAD	ASoG	Graduated	An Evaluation of the Administrative Capacity of the Department of Agriculture Regional Field Unit No. 4

171	IVA	Sanchez, Arlon, M.	DA-RFU IV	MPM-RAD	ASoG	Graduated	Formulation of the Hemorrhagic Septicemia (HS) Prevention and Control Program Framework in Region IV (Southern Tagalog)
172	IVA	Sanidad, Rufina F.	DA-RFU IV	MPM-RAD	ASoG	Graduated	The Role of the Local Government Unit in the Sustainability of Kasalikasan-Integrated Pest Management Program (IPM)
173	IVA	Ybañez, Fe E.	DA-RFU IV	MPM-RAD	ASoG	Graduated	Mindanao Rural Development Program (MRDP) Livelihood Assistance in Alamada, Cotabato: An Evaluation
174	IVB	Iledan, Michael Graciano R.	DA-RFU-MIMAROPA	MPM-RAD	ASoG	Graduated	Assessing the Impact of Electronic Commerce (E-Commerce) to the Department of Science and Technology Small Enterprises Technology Upgrading Program (DOST Set-Up) Assisted Micro, Small and Medium Enterprises (MSMEs) in the National Capital Region (NCR)
175	IVB	Olido, Celdo C.	DA-RFU-MIMAROPA	MM-RD	UPV	Graduated	Honeydew Melon Production in Iloilo: Prospects and Potential
176	IVB	Panoy, Ronie F.	DA-RFU-MIMAROPA	MPM-RAD	ASoG	Graduated	Efficiency in the Processing of Applications for Land Use Reclassification of Agricultural Lands in the Department of Agriculture, Regional Field Unit No. IV
177	IVB	Ronquillo, Alex V.	DA-RFU-MIMAROPA	MPM-RAD	ASoG	Graduated	Enhancing the Capability and Effectiveness of the RAED DA-RFU IV in improving irrigation support services significantly STW under AFMA
178	V	Alvina, Lorenzo L.	DA-RFU V	MPM-RAD	ASoG	Graduated	Adoption of the Unified International Artificial Insemination Program (UNAIP) of Cattle Production of the Department of Agriculture
179	V	Coprada, Ronaldo B.	DA-RFU V	MPM-RAD	ASoG	Graduated	Assessment of the Small Enterprise Technology Upgrading Program (Set-Up) in Region VIII
180	V	Dela Peña, Mary Grace	DA-RFU V	MPM-RAD	UAP	Graduated	Supply/Value Chain and Benchmarking Analyses of the Coconut and abaca Industries in Bicol Region
181	V	Ibasco, Joseph I.	PLGU, Camarines Sur	MM-RD	UPV	Graduated	Perception of the Farmer-Led Extension Program (FLEP) Recipients of their Role in Improving Agricultural Productivity in Camarines Norte
182	V	Samson, Catherine Rose	NFA, Region V	MPM-RAD	UAP	Graduated	

183	V	Tornilla, Rodel P.	DA-RFU V	MPM-RAD	UAP	Graduated	An Analysis of Regional Agricultural Growth and Development: The Case of Cagayan Valley, Bicol, and Eastern Visayas
184	VI	Abaquita, Ariel L.	PCC, La Carlota City, Negros Occ.	MM-RD	UPV	Graduated	
185	VI	Alviar, Marlene Y.	BAS, Iloilo City	MM-RD	UPV	Graduated	Effects of Rice Importation on Rice Farming Profitability in Cabatuan, Iloilo
186	VI	Balasoto, Darcy I.	DA-RFU VI	MM-RD	UPV	Graduated	Implementation of the Farm-to-Market Road Programs in the Province of Iloilo
187	VI	Borja, Jose Sergio M.	DA-RFU VI	MM-RD	UPV	Graduated	
188	VI	Cagasan, Evelyn B.	FIDA, Iloilo City	MM-RD	UPV	Graduated	
189	VI	Cambas, Oliver T.	NFA, Capiz	MM-RD	UPV	Graduated	Evaluation of the Government Support Price for Palay Producers in Dumangas and Sara, Province of Iloilo
190	VI	Castillo, Josephine Venus D.	NFA, Aklan	MM-RD	UPV	Graduated	Financing and Marketing Strategies of Selected Farmers in the Province of Capiz
191	VI	Baria, Mary Ann V.	CLGU, Roxas City	MM-RD	UPV	Graduated	The Marketing System of the Dried Fish Industry in Roxas City
192	VI	Elican, Jabez R.	DA-RFU VI	MM-RD	UPV	Graduated	
193	VI	Felarca, Nelly L.	DA-RFU VI	MM-RD	UPV	Graduated	
194	VI	Fernandez, Yran B.	BAS, Aklan	MM-RD	UPV	Graduated	Crop Preference of Farmers in Passi City
195	VI	Tejado, Herman John Z.	PLGU, Balasan District Hospital	MM-RD	UPV	Refund	
196	VI	Fidel, Benilda T.	NFA, Bacolod	MM-RD	UPV	Graduated	Accredited Retailers' Perception of the Rice Distribution System of National Food Authority in the Province of Negros Occidental
197	VI	Flamiano, Emelda B.	BAS, Iloilo City	MM-RD	UPV	Graduated	Backyard Livestock and Poultry Raising as Alternative Livelihood Activities in Selected Barangays in Carles, Iloilo
198	VI	Fulgueras, Luisa P.	DA-RFU VI	MM-RD	UPV	Graduated	The Adoption of Recommended Technologies and Practices for Wet Direct Seeded Rice (WDSR) by Farmers in Barotac Nuevo, Iloilo
199	VI	Gaton, Juvy S.	DA-RFU VI	MM-RD	UPV	Graduated	Communication Capabilities and Needs of Information Officers at the Department of Agriculture and Local Government Units in Western Visayas

200	VI	Gonzaga, Eddie C.	NFA-Iloilo City	MM-RD	UPV	Graduated	The Institutionalized Procurement Program of the National Food Authority: Its Effects on Farmers' Organizations in the Province of Iloilo
201	VI	Granada, Arn D.	PCC, Iloilo City	MM-RD	UPV	Graduated	
202	VI	Hapitan, Enelyn A.	DA-RFU VI	MM-RD	UPV	Graduated	
203	VI	Jagunap, Teresa C.	DA-Iloilo City	MM-RD	UPV	Graduated	The Effects of LEAD Project on the Income of the Beneficiaries in Sta. Barbara, Iloilo
204	VI	Jimenea, Nadja V.	NFA, Iloilo City	MM-RD	UPV	Graduated	Consumers' Perception on the Quality of NFA Imported Rice in the Municipality of Zarraga
205	VI	Laud, Marie Girlie R.	BPI, La Carlota City, Neg. Occ.	MM-RD	UPV	Graduated	Adoption of Rice Certified Seed Technology in Selected Barangays in Pototan, Iloilo
206	VI	Margallo, Marlon O.	NFA, Iloilo City	MM-RD	UPV	Graduated	Gender Role in Rice Postharvest Activities of Farmers in Selected Barangays in Pototan, Iloilo
207	VI	Margarico, Modesto, Jr. S.	PLGU, Iloilo City	MM-RD	UPV	Graduated	Assessment of the Swine Dispersal Livelihood Project of the Iloilo Provincial Agricultural Office
208	VI	Neturada, Felicitas M.	DA-RFU VI	MM-RD	UPV	Graduated	
209	VI	Ogatis, James Earl E.	DA-RFU VI	MM-RD	UPV	Graduated	
210	VI	Piansay, Eric P.	BAS, Capiz	MPM-RAD	ASoG	Graduated	Assessment of the Human Resource Capability In the Visayan Field Offices of the Bureau of Agriculture Statistics
211	VI	Ramos, Mary Ann A.	ATI, RTC VI	MPM-RAD	ASoG	Graduated	Evaluation of the Trainers' Training on Integrated Pest Management and Its Effect on the Technology Adoption of Rice Farmers
212	VI	Resol, Rhea Christina G.	DA-RFU VI	MM-RD	UPV	Graduated	
213	VI	Talabong, Mira H.	DA-RFU VI	MM-RD	UPV	Graduated	Women Participation in the Integrated Pest Management Program in the Second District of Iloilo: Harnessing Women's Potentials in Technology Sharing
214	VI	Villorente, Mavillo Z.	ATI, RTC VI	MM-RD	UPV	Graduated	Acceptability of Hybrid Rice Technology Among Farmers in the Province of Aklan
215	VI	Young-Abello, Erma T.	NFA, Iloilo	MM-RD	UPV	Graduated	Economic Benefits of Tindahan ni Gloria Labandera (coconut Farmers Access Program) among the Poorest Barangays of Aklan
216	VII	Fuentes, Gertrudes S.	OPA - Bohol	MM-RD	UPV	Graduated	
217	VII	Gallardo, Samuel G.	ATI-RTC 7, Cebu City	MM-RD	UPV	Graduated	
218	VII	Macalino, Pilar P.	OPA-Siquijor	MM-RD	UPV	Graduated	
219	VII	Sinoy, Ronald A.	PSA, Cebu City	MM-RD	UPV	Graduated	

220	VIII	Lobriago, Gerardo B.	CLGU, Tacloban City	MM-RD	UPV	Refund	
221	VIII	Dado, Carlos P.	FIDA, Tacloban City	MM-RD	UPV	Graduated	The Role of Microcredit in the Abaca Weaving Industry of Lezo, Aklan
222	VIII	Sullano, Glenda P.	NFA, Leyte	MM-RD	UPV	Graduated	The GMA Tindahan ni Gloria Labandera Rolling Store: Its Socio-economic Benefits among the Rural Poor of San Joaquin, Iloilo
223	VIII	Sala, Fe V.	PLGU, Tacloban City	MM-RD	UPV	Graduated	
224	VIII	Noya, Nida M.	PLGU, Tacloban City	MM-RD	UPV	Graduated	Effectiveness of Modified Swine Dispersal Program in Improving the Socio-Economic condition of Its Recipients in the Province of Leyte
225	VIII	Pajanustan, Dalmacio L.	ATI, Samar	MM-RD	UPV	Graduated	
226	VIII	Sescon, Martha B.	PLGU, Maasin	MM-RD	UPV	Graduated	
227	VIII	Sultan, Nenita G.	PLGU, Tacloban City	MM-RD	UPV	Graduated	Acceptability of Community Based Participatory Action Research (CPAR) Corn-Based Technology among Farmers in Barangay Sto. Niño, Capococan, Leyte
228	VIII	Tabinas, Mario B.	PLGU, Tacloban City	MM-RD	UPV	Graduated	
229	VIII	Ultra, Loida	DA-RFU VIII/BPI, Catarman	Master's Program in Food Systems	UAP	Graduated	Food Balance Assessment of Selected Agricultural Commodities of Samar
230	VIII	Villacorte, Jose L.	Tacloban National Agricultural School	MM-RD	UPV	Graduated	Effects of Mariculture Program on the Economic Condition of the Residents of Barangay Tinaugan, Basey, Samar
231	VIII	Zantua, Clariza A.	CLGU, Tacloban City	MM-RD	UPV	Graduated	The Contribution of Farm Youth Exchange Scholars to Rural Development Efforts in Camarines Norte
232	IX	Acopiado, Armie	PLGU, Dipolog City	MM-RD	UPV	Graduated	Perception of the Municipal and Barangay Local Government Units of Zamboanga del Norte of the Proposed Institutionalization of Barangay Agricultural Workers
233	IX	Angon, Charlita J.	PCA, Pagadian City	MPM	XU-CDO	Graduated	Effectiveness of Fertilizer Support on Coconut Production under the coconut Rehabilitation Program in the Province of Zamboanga del Sur
234	IX	Ta-an, Arlene V.	PLGU, Dipolog City	MM-RD	UPV	Graduated	

235	X	Tapales, Andres, Jr. S.	BAS, Dipolog City	MPM	XU-CDO	Graduated	Trend Analysis of Corn Production in the Province of Bukidnon CY 1998-2001
236	X	Acebedo, Alberto, Jr. C.	NFA - Ozamiz City	MPM	XU-CDO	Graduated	The Acceptability of Hybrid Rice Production in the Irrigated Rice Areas of Plaridel, Misamis Occidental CY 2000-2001
237	X	Aleria, Gay Nanette R.	DA-RFU X	MPM	XU-CDO	Graduated	Slaughterhouse Management and Sanitation of Cagayan de Oro City CY 2002
238	X	Ampong, Lilian O.	NMIC, CDO	MPM	XU-CDO	Graduated	Adaptation Level of Total Quality Productivity Management (TQPM) Approaches in Rice Farming: Its Production Impact
239	X	Andalan, Javier P	ATI, Mis. Or.	MPM	XU-CDO	Graduated	Utilization of Multi-purpose Drying Pavements in Malaybalay City, Bukidnon
240	X	Ansale, Rolando M.	DA-RFU X	MPM	XU-CDO	Graduated	Barangay Livestock Breeding Loan Program (BLBLP): The Case of 2000 Launched Guimariz Arc of Buenavista, Agusan del Norte
241	X	Balandra, Josef Raymundo V.	PLGU, Mis. Or.	MPM	XU-CDO	Graduated	
242	X	Barcelona, Angelita E.	NMIS - 7	MPM	XU-CDO	Graduated	
243	X	Daanoy, Arsellita M.	PSA - Mis Or	MPM	XU-CDO	Graduated	Trend Analysis of Rice Production in Rice Production in the Province of Bukidnon CY 1998-2001
244	X	Daanoy, Jorge J.	PSA	MPM	XU-CDO	Graduated	Mango Production Practices and Marketing Strategies: Impact on Productivity and Profitability CY 2001-2003
245	X	Del Gallego, Ma. Rowena V.	ATI-RTC, CDO	MPM	XU-CDO	Graduated	Adoption Level of Recommended Farming Practices on Vegetable Production: Its Impact on Yield
246	X	Flores, Judith R.	BPI, CDO	MPM	XU-CDO	Graduated	Occurrence of Pesticides in Various Vegetables in Selected Location of Region 10 from 1997 to 2001
247	X	Gementiza, Jocelyn A.	DA-RFU X	MPM	XU-CDO	Graduated	Production Practices and Marketing Approaches of Cashew Farmers in Lumbia, Cagayan de Oro City CY 2001-2002
248	X	Hojas, Roxana H.	DA-RFU X	MPM	XU-CDO	Graduated	Extent of Participation of Local Government Units in the Initial Stages of the Agriculture and Fisheries Modernization Program: The Case of Misamis Oriental
249	X	Jaraba, Teodosia D.	ATI-RTC, Iligan City	MPM	XU-CDO	Graduated	Corn Technology Adoption: Its Implications to Yield

250	X	Jaramillo, Amor R.	BFAR, Reg. X	MPM	XU-CDO	Graduated	Success and Failure of Selected Fish Sanctuaries in Region 10: Implications to Management Collaboration of Bureau of Fisheries & Aquatic Resources and the Local Government Unit
251	X	Jumalon, Alanita A.	DA-RFU X	MPM	XU-CDO	Graduated	Production Level Among Selected Potato Farmers in Bukidnon CY 2001
252	X	Laquibia, Rose Susan G.	PLGU, CDO	MPM	XU-CDO	Graduated	The Acceptability of Hybrid Rice Among Small Farmers CY 2002-2003
253	X	Lauro, Rene C.	PSA - Buk	MPM	XU-CDO	Graduated	Farmers Utilization of Price Information on Agricultural Products in the Municipalities of Lantapan and Impasug-Ong in the Province of Bukidnon CY 2005
254	X	Lawanza, Papala F.	DA-Fisheries, Marawi City	MPM	XU-CDO	Graduated	Effectiveness of the Information Dissemination Strategies in the Implementation of DA Rice Program as Perceived by the Farmers of Lanao del Sur CY 1999-2000
255	X	Loking, Macario, Jr. D.	CLGU, Valencia, Bukidnon	MPM	XU-CDO	Graduated	Traditional and Rice-Fish Farming: A Productivity and Profitability Analyses
256	X	Maape, Eddie, Jr. C.	MLGU, Opol, Mis. Or.	MPM	XU-CDO	Refund	
257	X	Garay, Lorenzo C.	SRA, Maramag, Bukidnon	MM-RD	UPV	Graduated	Factors Influencing the Productivity of Sugarcane Planters in Bukidnon
258	X	Maglante, Marcos, Jr. A.	ATI-RTC, Iligan City	MPM	XU-CDO	Graduated	The Lakatan Production Industry in Lanao del Norte
259	X	Mondragon, Mary Ann B.	BPI, CDO	MPM	XU-CDO	Graduated	Pesticide Residues in Vegetables Collected from the Public Markets in Cagayan de Oro city
260	X	Navarro, Beverly M.	NFA - Cagayan de Oro	MPM	XU-CDO	Graduated	The Effectiveness of the Rice and Corn Fertilizer Assistance Program of Ozamiz City for the Year 2001
261	X	Neri, Luz Socorro E.	NFA, CDO	MPM	XU-CDO	Graduated	Sustainability for Farm Level Grains Center Project: The Case of Managok Multi Purpose Cooperative, Inc. Bukidnon
262	X	Obsioma, Beata Humilda O.	NMIS CO	MPM	XU-CDO	Graduated	Management Approaches of the Office of the city Veterinarian in Region 10 on Local Meat Inspection

263	X	Paje, Marjorie D.	NMIS, Reg. X	MPM	XU-CDO	Graduated	Microbiological Count of Chicken Meat in "AA" Accredited Poultry Dressing Plant Region X for CY 2004-2005
264	X	Para, Helen B.	NMIC, CDO	MPM	XU-CDO	Graduated	Functionality of Abattoir Development Projects in Region 10
265	X	Pepito, Roque S.	FIDA, CDO	MPM	XU-CDO	Graduated	
266	X	Simon, Roseminda T.	NFA, Misamis Or.	MPM	XU-CDO	Graduated	Post Harvest Facilities Manegment Pratices of Farmer Organizations: Implications to Access of Post Harvest Facilities CY 1999-2002
267	X	Sta. Elena, Mary Grace B.	DA-RFU X	MPM	XU-CDO	Graduated	School on the Air Program on Fruits and Vegetable Processing Technology: Application and Sustainability
268	X	Villegas, Philip	ATI, Mis. Or.	MM-RD	UPV	Graduated	
269	X	Zarate, Jocelyn O.	ATI-RTC, Mis. Or.	MPM	XU-CDO	Graduated	Status of Food Processing Training Application among Rural Women in Three Municipalities of Misamis Oriental
270	XI	Alayton, Juvy T.	PCA, Mati, Davao Or.	MPM	XU-CDO	Graduated	
271	XI	Cordova, Rodney M.	PLGU, Tagum City	MPM	XU-CDO	Graduated	Production and Marketing Practices of Durian in Region XI for CY 2000-2001
272	XI	Dana, Manuel, Jr. T.	PFDA, Davao City	MPM	XU-CDO	Graduated	
273	XI	Ellana, Nestor B.	PFDA, Davao City	MPM	XU-CDO	Graduated	Demand Level of Bangus Baits in Tuna Transshipment Operation at Davao Fish Port Complex: Its Implications to the Bangus Industry of Mindanao
274	XI	Procionos, Percy M.	DA-RFU XI	MM-RD	UPV	Graduated	Acceptability of Biogas Technology Among Livestock Farmers in the 3rd District of Iloilo Province
275	XII	Embajador, Ray H.	DA-RFU XII	Master's Program in Food Systems	UAP	Refund	
276	XII	Vento, Mellany M.	NFA, Kidapawan City	MPM	XU-CDO	Graduated	The Cooperative Development Incentive Fund (CDIF) in cotabato Province: Its Utilization CY 1996-2001
277	CARAGA	Canda, Aurelia M.	BAS, Agusan del Sur	MPM	XU-CDO	Graduated	Freshwater Fish Cage Farming Technology: Impact to Productivity
278	CARAGA	Celeste, Alberto M.	PLGU, Agusan Sur	MPM	XU-CDO	Graduated	Durian Farming Practices Implication to Production

279	CARAGA	Gabutan, Elven B.	DA-RFU XIII	MPM	XU-CDO	Graduated	Farmer Cooperatives' Management of Postharvest Facilities: Implications to Access and Utilization CY 2000-2002
280	CARAGA	Maglunsod, Ryan C.	Quedancor, Davao City	MPM	XU-CDO	Graduated	Quedancor Loan Assistance to Corn Farmers: Its Implication to Cost Variation of Inputs
281	CARAGA	Milan, Alice D.	CLGU, Bislig City	MPM	XU-CDO	Graduated	
282	CARAGA	Pedrosa, Presa A.	BAS, Agusan del Sur	MPM	XU-CDO	Graduated	Economic Advantages of Small Scale Irrigation System
283	CARAGA	Quilacio, Rhouela M.	BFAR, Reg. XIII	MPM	XU-CDO	Graduated	Success and Failure of Selected Fish Sanctuaries in Agusan del Norte Implications to Management Collaboration of Bureau of Fisheries & Aquatic Resources and Local Government Unit
284	CARAGA	Ramos, Johnny V.	PLGU, Agusan Sur	MPM	XU-CDO	Graduated	Perceived Level of Satisfaction on the Delivery of Services by the Agricultural Technologists (AT's) among Rice Farmers in Agusan del Sur during CY 2001 and First Cropping Season of CY 2002
285	CARAGA	Solano, Christine C.	NFA, Butuan City	MPM	XU-CDO	Graduated	
286	CARAGA	Suarez, Helen L.	BFAR, Butuan City	MPM	XU-CDO	Graduated	The Survival and Sustainability of Two Delected Sea Weeds Farms Cooperative of CARAGA Region
287	CARAGA	Suday, Ariel R.	BAS, Butuan City	MPM	XU-CDO	Graduated	Productivity and Profitability Analysis of Saba Banana Production in the Province of Agusan del Norte
288	ARMM	Marohom, Sacar D.	DAF-ARMM/ATI	MPM	XU-CDO	Graduated	Farmers' Adaptation Level on Modern Practices in Irrigated Rice Farming System: Taraka, Lanao del Sur

Annex B

List of EHRDP Scholars (YEAR 2008-2013)

EXPANDED HUMAN RESOURCE DEVELOPMENT PROGRAM (EHRDP) - (Year 2008-2013)

CENTER	Name (Last, First, Middle Name)	Agency/ Office	Degree Course	School	Status (Graduated or For Refund)	Thesis/Dissertation
1	Aromin, Maximino R.	ATI-CAR	Development Communication	BSU	Graduated	Development of an On-line Course on Basic Beekeeping for the e-Extnsion Program of the Department of Agriculture
2	Lawagan, Sol	ATI-CAR	Agriculture and Fisheries	BSU	Graduated	Awareness of Farmers on Good Agricultural Practices in Tabuk City, Kalinga
3	Balachawi, Genevieve K.	OMAG- Hingyon	Agriculture and Fisheries	IFSU	Graduated	Towards and Improved Implementation of the four Banner Programs: The Case of Agriculture in the Municipality of Hingyon, Ifugao
4	Banhan, Marcelo T.	OMAG- Lagawe	Animal Science	NVSU	Graduated	Potential of Split-Feeding for Laying Hens
5	Baral, Mary Ruth O.	Matonin, Mt. Province	Crop Science	NVSU	Graduated	Propagation of Stevia Rebaudiana Growth in Different Soil Substrates
6	Baula, Yolanda B.	OMAG- Pinukpuk	Rural Development	BSU	Graduated	Assessment of the Corn Industry in the Province of Abra
7	Bolaoit, Herminia C.	OPAG-Abra	Rural Development	BSU	Graduated	Implementation of Project in Support to Organic Agriculture in Abra: An Analysis
8	Buenaventura, Catherine V.	OPAG-Ifugao	Agriculture	NVSU	Graduated	The Community-Based Participatory Action Research (CPAR) Project the Ifugao Experience
9	Bull-e, Bongbong L.	ATI-BSU	Development Communication	BSU	Graduated	Revisiting the e-Learning Course on Arabica Coffee Production of ATI-CAR
10	Bulong, Marissa P.	OPAG-Ifugao	Crop Science	NVSU	Graduated	Soiless Substrates and Shading for High Yield and Good Quality Lettuce (Lacuca Sativa L.) in Screenhouse
11	Daodaoen, Carlito M. Jr.	ASIST, Abra	Agronomy	ISPSC	Graduated	Productivity of Corn Farms in the Province of Abra Crop Year (2010-2011)
12	Donato, Fe G.	DA-FIDA-CAR	Community Development	BSU	Graduated	Operationalization of the Silk Industry as a Community Development Program in Kapangan, Benguet
13	Fagyan, Hazel S.	OPAG-Mt. Province	Community Development	BSU	Graduated	Women's Participation and Decision Making Role on the Production and Product Development of Heirloom Rice in Sadanga, Mountain Province
14	Gamonnac, Cristela D.	OPAG-Mt. Province	Community Development	BSU	Graduated	Enhancing the Sugarcane Wine Industry in Sadanga , Mountain Province
15	Ganoice, Ferdinand L.	KASC-Tabuk, Kalinga	Crop Science	ISU	Graduated	Low-input Technology: Its Implication to Lowland Rice Technology

16	CAR	Gapacan, Dennis G.	KASC-Tabuk, Kalinga	Forestry	ISU	Graduated	Early Growth Field Performance of Lipote (<i>Syzygium polycephaloides</i> (C.B. Rob.) Merr.) Under Different Stands
17	CAR	Garces, Carina S.	MAO-San Quentín, Abra	Rural Development	ISPSC	Graduated	Status of RBOs Under the Implementation of AFMA Program in the Municipality of San Quentín, Abra
18	CAR	Garcia, Marx Perfecto C.	BFAR, CAR	Environmental Management	CLSU	Graduated	Assessment of Diversity of Maco Aquatic Species in Amburayan River in Kapangan, Benguet
19	CAR	Gumilam, Amerigo M.	Lubangan, Kalinga	Rural Development	KASC	Graduated	Rural-Based Organizations Involvement in Rural Development Projects in Lubuagan, Kalinga, An Assesment
20	CAR	Kimmayong, David L.	OPAG-Ifugao	Crop Science	IFSU	Graduated	Efficacy of Plant Juice and Bio-Inoculat on Sedding Growth and Development of Heirloom Rice
21	CAR	Latap, Nelson S.	IFSU-Ifugao	Environmental Sciences	IFSU	Graduated	Sustainability analysis of Carabao Logging in Quezon, Nueva Vizcaya, Philippines
22	CAR	Liberato, Milagros O.	San Quentín, Abra	Agronomy	ISPSC	Graduated	Ripening of Carabao Mango (<i>Mangifera indica</i>) Using Different Storage Techniques
23	CAR	Mariacos, Denver A.	OMAG, Kibungan	Rural Development	BSU	Graduated	Management of Communal Forests Occupied by Claimants in Bakun, Benguet
24	CAR	Oryan, Ceferino C.	OMAG-Barlig, Mt. Province	Development Communication	BSU	Graduated	Conservation of Heirloom Rice in the Development of Barlig, Mountain Province
25	CAR	Oyando, Arlene B.	ODC-Tabuk, Kalinga	Development Communication	KASC	Graduated	Cooperatives as Catalyst for Rural Development in the Province of Kalinga: An Organizational Performance Assesment
26	CAR	Pascua, Rodan P.	MAO- Sta. Marcela, Apayao	Crop Science	MMSU	Graduated	Response of Modern Upland Rice Varieties to Vermicompost Rates Grown in Sta. Marcela, Apayao
27	CAR	Pila, Roland B.	Lagawe, Ifugao	Agriculture and Fisheries	BSU	On Going	Fermented Giant Taro (<i>Alocasia macrorrhiza</i>) as Primary Feed Ingredient for Muscovy Duck Feed
28	CAR	Pinos-an, Pedro C.	DA, RFU	Rural Development	BSU	Graduated	The Status of the Coffee Industry in Benguet
29	CAR	Ramos, Richard B.	MA-Luna, Apayao	Crop Science	MMSU	Graduated	Evaluation of Green Super Rice Lines as Influenced by Soil Fertility Management under Irrigated Lowland and Ecosystem in Luna, Apayao
30	CAR	dela Rosa, Jane B.	MA-Luna, Apayao	Crop Science	MMSU	Graduated	Growth and Yield Performance of Modern Rice Varieties Applied With Organic Fertilizer in Lowland Irrigated Ecosystem of Luna, Apayao

31	CAR	Saquing, Jill B.	IFSU-Ifugao	Rural Development	BSU	On Going	Determinants of Adoption Decisions of Organic Agriculture in Ifugao
32	CAR	Siloy, Veronica B.	ATI-BSU	Technology and Home Economics	BSU	On Going	Enhancing the Implementation of the Project Assistance for 4-H Clubs in CAR
33	CAR	Sotero, Jeffrey D.	OMAG-Afok, Benguet	Rural Development	BSU	On Going	Extent of Adoption of Mokusaku Technology to Vegetable Growers in Tublay, Benguet
34	CAR	Tapat, Virginia A.	RFU-CAR	Agronomy	BSU	Graduated	Growth and Yield Performance of Rice Grown under two moisture regimes in different Agro-Ecological Zones
35	CAR	Landes, Teofilo B.	DA-RFU	Rural Development	BSU	Graduated	Status of Arabica Coffee in the Highland Municipalities in Mountain Province
36	CAR	Tesoro, Rosemarie B.	DA-RFU	Rural Development	BSU	Graduated	Management and Marketing of Philippine Native Chicken in the Province of Aklan
37	CAR	Valdez, Genevieve L.	IFSU-Ifugao	Animal Science	ISU	Graduated	Carcass Evaluation and Sensory Assessment of Processed "ETAG" of Selected Upgraded Wether Goats
38	CAR	Valencia, Jimmy D.	MAO-Licuan-Baay, Abra	Agronomy	ISPSC	Graduated	The Implementation of Agroforestry Integrated Pest Management Farmers Field School in Licuan-Baay, Abra
39	CAR	Villa, Noelita		Agriculture and Fisheries	BSU	For Refund	
40	CAR	Yogyog, Daisy B.	OMAG-Hungudan	Rural Development	BSU	Graduated	The agricultural delivery system and socioeconomic status of the farmers of Hungduan, Ifugao
41	I	Abulencia, Rudio G	Urdaneta, Pangasinan	Veterinary Medicine	PSU	Graduated	Microbiological Assessment of Newly Slaughtered and Thawed Pork In City Wet Market in Pangasinan
42	I	Acosta, Marichu	Natividad, Pangasinan	Crop Science	PSU	Graduated	Effects of Different Methods of Application of Calcium Nitrate on the Growth and Yield of Tomato
43	I	Aguirre, Christopher	LGU, Laoag	Rural Development	MMSU	For Refund	
44	I	Agustin, Eva	DA-RFU III	Development Management	PSU-Lingayen	Graduated	Competency of the Agricultural Extension Workers in the Management of Rice Techno Demo Projects
45	I	Arado, Danilo V.	PAO, Ilocos Norte	Rural Development	MMSU	On Going	
46	I	Bacnat, Ma. Theresa	Batac City, Ilocos Norte	Rural Development	MMSU	Graduated	Evaluation of the 2005-2008 Farmers Led Extension Program in Ilocos Norte
47	I	Balauro, Nancy C.	LGU-Nueva Era, Ilocos Norte	Agriculture	MMSU	Graduated	Performance of Basmati Rice Varieties Applied with Vermicast and Vermitex Under Lowland condition

48	I	Basuel, Mila G.	LGU,- Bugallon, Pangasinan	Rural Development	TCA	Graduated	Performance of Agricultural cooperatives in the Second district of Pangasinan an Assessment Towards the Formulation of a Cooperative Development Program
49	I	Bustamante, Peter	Bamban, Pangasinan	Agriculture and Fisheries	PSU	Graduated	Growth Performance of Outplanted Physic Nut (Jatropha Curcas L) Under Varying Levels of Nitrogen and Water
50	I	Bindala, Orlan C	PAO, Ilocos Norte	Agriculture and Fisheries	MMSU	Graduated	
51	I	Carbonnel-Cobardo, Grace R.	Sta. Maria, Pangasinan	Agribusiness	CLSU	Graduated	Supply Chain of Onion in Pangasinan: A Case Study
52	I	Cases, Veronica	Natividad, Pangasinan	Crop Science	PSU	Graduated	Effectiveness of the FIELDS Program in Natividad, Pangasinan
53	I	Casil, Ferdinand Jr.	LGU, Batac City, Ilocos Norte	Agricultural Engineering	MMSU	For Refund	
54	I	Catungal, Edilyn P.	San Fernando, Pangasinan	Crop Science	PSU- Lingayen	Graduated	Competency of Farmers Field School Corn Implementers in Pangasinan
55	I	Cornes, Imelda R.	RFO I, La Union	Agriculture	PSU	Graduated	Performance of the different Eggplant Varieties as Affected by Different Organic Fertilizer
56	I	Corpuz, Zeny C.	Sudipen, La Union	Environmental Science and Management	DMMMSU	Graduated	Effects of Contract Growing Piggery Projects In The Municipality of Sudipen
57	I	Dacapias, Maricel D.	ATI, La Union	Agriculture and Fisheries	PSU-OUS	Graduated	The ATI School on the Air As An Alternative Method of Training
58	I	Diculen, Nelson C.	Batac City, Ilocos Norte	Rural Development	MMSU	For Refund	DECEASED
59	I	Fernandez-Valenzuela, Marvi	Laoad, Pangasinan	Crop Science	PSU	On Going	
60	I	Gabur, Jordan G.	ATI, Pangasinan	Agriculture and Fisheries	MMSU	For Refund	
61	I	Gacutan, Eric A.	Candon City, Ilocos Sur	Rural Community Development	DMMMSU	Graduated	Adaptability of Five (5) of Dragon Fruit Plant as Affected By The Application of Organic Fertilizers in Calamansi-Based Agroforestry System of DMMMSU, Bacnotan, La Union
62	I	Galvan, Rhoda	DA RFU III	Rural Community Development	MMSU	Graduated	Status of Integrated Pest Management-Farmer Field School Technology Adoption in the Corn Producing Areas in Region I
63	I	Gapuz, Ma. Liza B.	ATI, Pangasinan	Development Management	PSU-OUS	Graduated	Impementation of te Youth in agriculture and Fisheries Scholarship Program of ATI

64	I	Jaramilla, Editha O.	BAS-Vigan, Ilocos Sur	Agricultural Engineering	MMSU	For Refund	Simulating Rice Yield Using Decision Support System for Agrotechnology Transfer (DSSAT) Model under Ilocos Condition
65	I	Javier, Cherrie Ann T.	NMIS, Quezon City	Agriculture	PSU	Graduated	Microbiological Assessment of Newly Slaughtered Beef and Carabeef in City Wet Market in Pangasinan
66	I	Laca, Jovito	ATI, Pangasinan	Development Management	PSU-OUS	Graduated	Productivity of Palaycheck System Adopters
67	I	Lagmay, Norma B.	LGU-Batac City, Ilocos Norte	Agriculture and Fisheries	MMSU	For Refund	
68	I	Llarenas, Rodel C.	LGU, Alcala, Pangasinan	Agriculture and Fisheries	CLSU	For Refund	
69	I	Lucero, Emely D.	Urdaneta, Pangasinan	Crop Science	PSU	Graduated	The Effect of Vesicular Arbuscular Mycorrhizae (VAM) Bio-fertilizer in Okra Production
70	I	Noguit, Monette	Calasiao, Pangasinan	Development Management	PSU	Graduated	Awareness and Extent of Implementation of Anti-Rabies Act (R.A. 9482) in Pangasinan
71	I	Omolida, Ronel Ali B.	Sta. Maria, Pangasinan	Agriculture and Fisheries	PSU	Graduated	Performance of Bt (<i>Bacillus thuringiensis</i>) Corn (Zea Maize, Linn.) cultivars as Influence By Organic and Inorganic Fertilizers
72	I	Pablo, Leonardo	Sinait, Ilocos Sur	Agricultural Engineering	MMSU	Graduated	Effect of Vane Angle on the Aerodynamics
73	I	Pacursa, Loida	San Fernando, Pangasinan	Agricultural Education	DMMSU	Graduated	Effectiveness of the Farmer Fields School (FFS) Program of the Department of Agriculture as an Educational Approach to Rice Production of Farmers in the Province of La Union
74	I	Pascua, Lorna M.	Laoag City, Ilocos Norte	Rural Development	MMSU	For Refund	
75	I	Pereras, Lalaine	San Fernando, La Union	Crop Science	PSU	Graduated	Awareness and Adoption of Hybride Rice Technology in Pangasinan
76	I	Pugong, Alan D.	San Gabriel, La Union	Development Administration	DMMSU	Graduated	Assessment of the Unified National Artificial Insemination Program of the DA-RFU-1 and the PGLU in the First District of La Union
77	I	Quiros, Rizalina	San Gabriel, La Union	Development Management	DMMSU	Graduated	Effectiveness of the 4H Club Organization in the 1st District of La Union
78	I	Rahon, Raymund E.	Ilocos Norte	Agriculture and Fisheries	DMMSU	For Refund	Performance of Sahod-Ulan Varieties Under Varying Nutrient Management in Rainfed Lowland Condition
79	I	Rosario, Analiza C	DA RFU III	Plant Pathology	BSU	Graduated	Diseases of New Inbred Rice Varieties Grown in Central Pangasinan During the Dry Season

80	I	Tabora, Luz L.	OPA-Ilocos Norte	Rural Development	MMSU	Graduated	Impact Evaluation of the Hybrid Rice Commercialization Program in Ilocos Norte
81	I	Valenzuela, Marvi T.	LGU, Laoac, Pangasinan	Agriculture and Fisheries	PSU	Graduated	
82	I	Villanueva, Marjorie A.	LGU- Dagupan City, pangasinan	Agriculture	PSU	Graduated	Assessment of the Aquatic Fauna in the River System of Dagupan city
83	I	Vingua, Procerfina D.	Bamban, Infanta, Pangasinan	Agriculture and Fisheries	PSU	Graduated	Conversion of Animal Wastes Into Compost Through Vermicomposting Technology
84	I	Yadao, Reginald	Sinaif, Ilocos Sur	Public Administration	UNP	Graduated	The Organic Farming Program of the Department of Agriculture in Selected Municipalities in the 1st District of Ilocos Sur
85	II	Agaid, Marelou B. (Phd)	DA Abulug, Seed Farm- Abulug	Crop Science	ISU	Graduated	Field Performance and Milling Quality of Hybrid Rice Under Two Nutrient Management Recommendations
86	II	Apostol, Arsenio M.	DA RFU II	Agriculture and Fisheries	NVSU	Graduated	Azolla(Azolla Pinnata) Meal Inclusion in the concentrate ration of Goats (Capra Hircus)
87	II	Alaska, Claris M.	San Mateo, Isabela	Public Administration	CSU	Graduated	The ATI's season-long training as capability development intervention for AEWs of Region 2
88	II	Andrada, Alona E.	LGU- Alicia, Isabela	Crop Science	ISU	Graduated	Supplementation of Organically-Based Foliar Fertilizer on Rice
89	II	Andres, Mila R.		Animal Science	ISU	Graduated	Performance, Carcass Evaluation and Organoleptic Assessment of Pigs Fed with Diets Supplemented with organic Vitamins
90	II	Asuncion, Maynard T.	LGU- Bayombong, Nueva Vizcaya	Agriculture and Fisheries	NVSU	For Refund	
91	II	Atal, Herminia	LGU- Sta. Maria, Isabela	Crop Science	ISU	Graduated	Botanical Pesticides to Control Asian Corn Border Infestation on Glutinous Corn
92	II	Bacena, Maridel	CVSU, Bayombong, Nueva Vizcaya	Agriculture and Fisheries	NVSU	Graduated	Growth and Yield performance of Oyster Mushroom(Pleurotus Ostreatus) under different sawdust substrates
93	II	Bahatan, Jemarie C.	LGU- Bayombon, Nueva Vizcaya	Farming System	NVSU	Graduated	The competency level of Agricultural Service Providers and yield of Irrigated Hybrid Rice in Nueva Vizcaya

94	II	Balao, Paul Vincent G.	Tuguegarao City, Cagayan	Crop Science	ISU	Graduated	Effect on Inoculants on Organic Based OPV White Corn (Zea Mays) Production
95	II	Bangad, Leonardo A.	FPA-Isabela	Crop Science	NVSU	For Refund	
96	II	Basco, Joel P.	BAS, Qurino	Crop Science	ISU	Graduated	Tillage System and Nitrogen Management Effect on Yield of Sweet Corn and Soil Carbon
97	II	Bernabise, Edgar	QSC	Forestry and Natural Resources Mngt	ISU	On Going	
98	II	Casauay, Ricardo	CSU-Piat, Cagayan	Crop Science	ISU	Graduated	Seed Priming and Nutrient Management of Aerobic Rice
99	II	Castillo, Dante A.	Claveria, Cagayan	Crop Science	ISU	Graduated	Performance of traditional Rice varieties applied with different types of fertilizer under irrigated lowland condition of Claveria, Cagayan
100	II	Claveron, Anna Liza S.	ATI RII-San Mateo, Isabela	Crop Science	ISU	Graduated	Natural Organic Farm Inputs on Yield Performance of Rice (NSIC Rc 192)
101	II	Corbe, Realson C.	ISU-Echague, Isabela	Agriculture and Fisheries	ISU	Graduated	Anthelmintic and growth-promoting efficacy of selected indigenous plants in broiler chickens (Gallus Domesticus)
102	II	Corpuz, Myleen R.	ISU-Echague, Isabela	Crop Science	ISU	Graduated	Innovative Com-Legume Intercropping Scheme: A Strategy to suppress Insect Pest Occurrence
103	II	Dangatan, Hitler C.	ISU-Echague, Isabela	Animal Science	ISU	Graduated	Productivity and Sensory Characteristics of Kabir Chicken Ranged under Mango Based Plantation
104	II	De Vera, Christian Czar C.	Diadi, Nueva Vizcaya	Animal Science	NVSU	Graduated	Effect of Rice Eel (Monopterus albus) silage extract supplementation in the drinking water on the growth performance of broilers
105	II	Dela Cruz, Dulce L.	LGU-Cauayan City, Isabela	Agriculture and Fisheries	ISU	Graduated	Growth and seed yield of peanut to varying planting dates
106	II	Dela Cruz, Ma. Faustina P.	Abullig, Cagayan	Crop Science	ISU	Graduated	Fertilization Strategy for Inbred Rice
107	II	Dioquino, Annaliza	Quzezon, Isabela	Farming System	ISU	Graduated	The application of 10 liters of purshade solar protectant + 15 bags vermicompost per hectare has the highest ROI
108	II	Dolojan, Fredisminda	QSC	Rural Development	NVSU	Graduated	Science and Technology delivery system on Banana production in Cagayan Valley

109	II	Equias, Albert M.	LGU, Divilacan, Isabela	Crop Science	ISU	Graduated	Optimizing Nitrogen Efficiency for Rice Production
110	II	Erana, Israel M.	LGU-Diffun, Quirino	Agricultural Engineering	ISU	Graduated	Assessing the Agricultural Productivity of Small rainwater harvesting ponds in the province of Quirino
111	II	Fernandez, Jr., Dominador	Santiago City, Isabela	Crop Science	ISU	Graduated	Performance of newly released inbred rice varieties to foliar fertilizer
112	II	Frogoso, Marites E.	ATI Ril-San Mateo, Isabela	Public Administration	CSU	Graduated	Farmers information technology services center: An extension modality
113	II	Gabriel, Nerizabeth	LGU-Sto.Nino, Cagayan	Crop Science	ISU	Graduated	Influence of NPK Plus Purshade on Sweet Corn
114	II	Garcia, Diana Rose T.	LGU-Maddela, Quirino	Crop Science	ISU	Graduated	Upland Rice in Lowland Ecosystem as Climate Change Adaptation Strategy
115	II	Guillermo, Imelda M.	ATI Ril-San Mateo, Isabela	Public Administration	ULS	On Going	
116	II	Guzman, Ernesto D.	DA RFU II	Public and Legal Administration	CSU	Graduated	Recognition by Local Government Units of the Substantial Traditions and Internal Governance of Indigenous Cultural Communities
117	II	Lagui, Gerry Z.	Cabagan, Isabela	Agriculture and Fisheries	SPUP	For Refund	
118	II	Libatique, Freddie O.	PVO, Quirino	Animal Science	ISU	Graduated	Growth performance and organoleptic assessment of broilers Fed with Madre de Agua (Trichantera Gigantea) leaf meal
119	II	Lomboy, Carlito L.	Roxas Isabela	Agricultural Science	ISU	Graduated	Effect of Tip Pruning and Fruit Thinning on the Growth and Yield of Cucumber
120	II	Marcos-Calderon, Leoncia C.	LGU-Gattaran, Cagayan	Crop Science	ISU	Graduated	Vermicompost as Nutrient Source of Two hybrid Rice
121	II	Marquez, Heidi Arsenia R.	Nagtipunan, Quirino	Crop Science	ISU	Graduated	Fish Emulsion as Supplement for Sustainable Glutinous Corn Production
122	II	Nicolas, Ma. Karina	ISU-Echague, Isabela	Agriculture and Fisheries	UPLB	Graduated	Comparative Performance of Reverse Transcriptase Polymerase Chain Reaction and Histochemistry with Histopathological Description of Animals Infected with Porcine Epidemic diarrhea in Luzon, Philippines
123	II	Ocampo, Roger O.	MAO-Quezon, Isabela	Crop Science	ISU	For Refund	

124	II	Ojano, Bernard L.	Abullig, Cagayan	Agriculture and Fisheries	ISU	Graduated	Yield performance of lowland rice as affected by third generation nutrition Bio-Fertilizer
125	II	Ong, Heherson B.	ISU-Cabagan, Isabela	Business Management	ISU	Graduated	Utilization of commercially important bamboo species in region 02
126	II	Palparan, Arcely M.	OPA-Bayombong, Nueva Vizcaya	Home Technology	NVU	Graduated	Effect of Thermal Processing on the Availability of Lysine in Quality Protein Maize (QPM)
127	II	Quebral, Jo Danice A.	PLGU-Quirino	Crop Science	ISU	Graduated	Productivity of Glutinous Corn and Management of Asian Corn Borer (<i>Ostrinia furnacalis</i> Guenee) Using ICoEased Levels of Potassium
128	II	Raymundo, Reyson	ISU-Cauayan city, Isabela	Resource Management	ISU	Graduated	Did not submitted yet
129	II	Robinion, Maritess	LGU-Aparri, Cagayan	Crop Science	ISU	Graduated	Growth, Yield and Milling Quality of Hybrid Rice Varieties Grown Under Saline Soil Condition in Aparri, Cagayan
130	II	Ronquillo, Mary Florence V.	MLGU-Difun	Crop Science	QSU	Graduated	Response of Bitter Gourd (<i>Momordica charantia</i> Linn) to Different Forms of Organic Fertilizer
131	II	Salas, Romulo	PCC-Piat	Animal Science	ISU	Graduated	Development and Testing of Total Mixed Ration (TMR) for Growing Buffaloes
132	II	Saldo, Daisy	DA-CVIARC-SWMS	Agriculture and Fisheries	ISU	For Refund	Just graduated last June. No manuscript submitted yet
133	II	Seridon, Dolores I.	PLGU-Cagayan	Development Management	ISU	Graduated	Socio-economic Impact of Farmer-Led Extension (FLE) Program at the Ybang and Itawes Municipalities of Cagayan: An Assessment
134	II	Soliven, Robert M.	Maddela, Quirino	Animal Science	ISU	Graduated	Growth Performance Carvass Quality and Sensory Evaluation of Broilers Fed with Madre De Agua
135	II	Soriano, Vilma P.	Tuguegarao City, Cagayan	Crop Science	ISU	Graduated	Organic-Based Glutinous Corn Production Supplemented with Fish Emulsion
136	II	Sugue, Raphy A.	LGU-Saguday, Quirino	Crop Science	ISU	Graduated	Performance of Grafted Tomato Using Rootstock of Different Eggplant Cultivars
137	II	Tabbun, Hector	DA-RFU II	Public Administration	CSU	Graduated	Non-Thesis
138	II	Tamayo, Rogelio	ISU-Lal-Lo, Cagayan	Animal Science	ISU	Graduated	Just graduated last June. No manuscript submitted yet

139	II	Telan, Mailyne A.	PAO, Cobarroguis, Quirino	MSACS	ISU	Graduated	Response of Loose Leaf Lettuce (<i>Lactuca sativa</i> L.) To Different organic Fertilizer Combinations
140	II	Ulsano, Gerino III C.	Capitol Hills, Tuguegarao City	Crop Science	ISU	Graduated	Utilization of Natural Probiotics for Broilers Growth and Sensory Characteristics
141	II	Umipig, Arcellie A.	Santiago City, Isabela	Crop Science	ISU	Graduated	Performance of NSIC RC 298 as Affected By Varying Levels of Inorganic Fertilizers and Vermicompost
142	II	Urbanozo, Marilyn J.	LGU- Camalanuigan , Cagayan	Public Administration	CSU	Graduated	Organic Farming Knowledge and Practices of High Value Commercial Crop (HVCC) Farmers and Consumers: A Basic in the Formulation of Organic Agriculture Development Project For HVCC in Region 02
143	II	Velasco, Inocencia S.	LGU-San Mateo, Isabela	Public Administration	ULS	On Going	
144	II	Wakit, Julieta A.	Kasibu, Nueva Vizcaya	Crop Science	NVSU	Graduated	On Farm Evaluation on Chinese Kale (<i>Brassica alboglabra</i> Bailey) Grown with Organic Fertilizers In Two Sites of Nueva Vizcaya
145	III	Abad, Joseph Paul T.	OPA, Tarlac	Agriculture	TCA	Graduated	Farmers Field School Program on Palaycheck System in the Province of Tarlac: An Assessment
146	III	Alberto, Eduardo V. Jr.	BSWM	Rural Development	TCA	For Refund	
147	III	Alcantara, Tessie P.	OPA, Tarlac	Agriculture	TCA	Graduated	Response of Peanut (<i>Arachis hypogaea</i> L.) to Different Rates of Organic and Inorganic Fertilizers
148	III	Altamera, Ma. Resurreccion L.	PHIMech- Munoz, Nueva Ecija	Agriculture and Fisheries	UPLB	Graduated	
149	III	Balgos, Eduardo D.	LGU-Moncada, Tarlac	Agriculture	TCA	Graduated	Nutrient Evaluation of Proen-K Based Broiler Ratoins
150	III	Balgos, Wilma D.	LGU- Moncada, Tarlac	Agriculture	TCA	Graduated	Growth and Yield of Glutinous Corn Varieties Using Different Organic and Inorganic Fertilizer Combinations
151	III	Bernardo, Corazon B.	OPA, Tarlac	Agriculture and Fisheries	TCA	On Going	
152	III	Buan, Joceline C.	LGU-Porac, Pampanga	Agriculture	PAC	Graduated	Performance Evaluation of Selected Sweet Potato Varieties Applied with Organic and Inorganic Fertilizer under Porac, Pampanga Condition

153	III	Buhay, Janette C.	PAC- Pampanga	Agricultural Science	PAC	On Going	Identification, Selection and Screening of Micro-Organism with Fungicidal Ability in Tomato (<i>Lycopersicum esculentum</i>), Bell Peppers (<i>Capsicum annuum</i>) and Onion (<i>Allium sepa</i>) in Pampanga
154	III	Butay, Alvin A.	LGU-Anao, Tarlac	Agriculture	TCA	Graduated	Potentials of Aerobic Rice Applied with Vermicompost and Vermitea under Anao, Tarlac Conditions
155	III	Cabrillas, Emmanuel R.	LGU-Cuyapo, Nueva Ecija	Agriculture and Fisheries	TCA	On Going	
156	III	Caña, Ronel D.	PAO-Malolos, Bulacan	Agriculture and Fisheries	BASC	Graduated	" Impact of Intensified Vegetable Production Program (IVPP) of Bulacan "
157	III	De Leon, Roma S.	LGU-San Clemente, Tarlac	Agriculture and forestry	TCA	Graduated	Performance of Native Goats (<i>Capra hircus</i>) as affected by Different Feed Combinations
158	III	Dela Cruz, Jocel G.	MAO-San Clemente, Tarlac	Agriculture and Fisheries	TCA	For Refund	
159	III	Dela Cruz, Lordelyn D.	RFU-San Fernando, Pampanga	Agribusiness Management	CLSU-OU	Graduated	Supply Chain of Tilapia in Nueva Ecija: A Case Study
160	III	Digno, Ferrer SM	MAO-San Luis Aurora	Agriculture and Fisheries	ASCOT	Graduated	Influence of Varying Levels of Ethephon as Flower Inducer and Ripener of Pineapple Fruits for Off-Season Production Under Aurora Condition
161	III	Discartin, Janice	PAO- Zambales	Cooperative Management	RMTU	Graduated	Growth and Yield Performance of Pechay (<i>Brassica Rapa</i>) and Lettuce (<i>Lactuca sativa</i>) Using Different Bio-Organic Fertilizer and Pesticide
162	III	Duque, Zoila M.	BPSU- Abucay, Bataan	Agriculture and Fisheries	CLSU	Graduated	An Assessment of the Implementation of Organic Agriculture Act of 2010 in Region III
163	III	Felix, Delia	LGU-San Clemente, Tarlac	Agriculture and Fisheries	TCA	Graduated	Husbandry Practices Among Cattle Raisers in San Clemente, Tarlac: Basis for IEC Materials Production
164	III	Gatan, Mary Grace B.	PAC- Pampanga	Agriculture and Fisheries	PAC	Graduated	Yield and Dry Matter Partitioning of Bunch and Runner Type of Peanut in relation to Levels and Methods of Paclobutrazol Application
165	III	Guitierrez, Jocelyn D.	LGU- Meycauayan , Bulacan	Agriculture	De La Salle Araneta	Graduated	The Effects of Organic soil amendments on the Growth, Yield and Profitability of Two Varieties of Pechay (<i>Brassica rapa</i> L.) Grown at Peri-Urban Condition

166	III	Guiua, Nicholas DLC	PAO-Iba, Zambales	Agriculture and Fisheries	RMTU	On Going	
167	III	Gutierrez, Geowell Raymond M.	PAO-Zambales	Agriculture	RMTU	On Going	
168	III	Hernandez, Emelita L.	LGU-Sta. Rita, Pampanga	Animal Science	PAC	Graduated	Performance of Green Corn Applied with Selected Animal Manures and Levels of Calcium Nitrate
169	III	Juico, Carren C.	PAC-Magalang, Pampanga	Agricultural Science	PAC	Graduated	Selected Postharvest Practices to Prolong the Shelf Life of "Aglibut Sweet" Tamarind
170	III	Kassem, Rowena G.	OPA-Pampanga	Agriculture and Fisheries	PAC	On Going	Yield Development of Organically Grown White Corn-Soybean in intercropping System and Number of White Corn-Soy-Bean Plants per Hill
171	III	Lanuza, Nida L.	LGU-Guimba, Nueva Ecija	Agronomy	TCA	On Going	Growth and Yield Performance of Green Super Rice (GSR) Lines Using Different Combination of Organic and Inorganic Fertilizers
172	III	Leander, Rosalee G.	RFU V-Pampanga	Agriculture	ASCOT	Graduated	The Effect of Fermented Red Seaweeds (Eucheuma coffini) Extract on Yield Performance of Cucumber (Cucumis sativus)
173	III	Leonardo, Jayson L.	LGU-Bongabon, Nueva Ecija	Agriculture and Fisheries	TAC	On Going	
174	III	Lindo Jr., Juanito	LGU-Concepcion, Tarlac	Crop Science	PAC	Graduated	
175	III	Lopez, Babylen		Agriculture and Fisheries		On Going	
176	III	Mandlang, Ma. Cristina G.	OPA-Pampanga	Agriculture	PAC	Graduated	Yield and Dry Matter Distribution of Lowland and Aerobic Rice Varieties in Relation to Organic and Inorganic Nitrogen Fertilization
177	III	Mananes, Elma S.	RFU	Extension Education	UPLB	On Going	Agricultural Innovation System in High and Low Income Class Municipalities in Nueva Ecija, Philippines
178	III	Mariano, Johanna S.	LGU-Lupao, Nueva Ecija	Agriculture	TCA	Graduated	Effects of the Dairy Module Project of the Philippine Carabao Center (PCC) on the Recipient Local Communities in Nueva Ecija
179	III	Marquez, Conrad Boy F.	OPA-Palayan City, Nueva Ecija	Agronomy	TCA	On Going	Response of Green Super Rice Lines to Different Rates of Nitrogen Fertilizer and Bionutrients

180	III	Martinez, Helen F.	PHillMech-Munoz, Nueva Ecija	Rural Development	CLSU	Graduated	Development of Micro-Based enterprises using PhilMech's Multi-Commodity Solar Tunnel Dryer'
181	III	Mirabel, Noel D.	PVO-Zambales	Agriculture	RMTU	Graduated	Efficacy Test of Nami (Dioscorea hispida DEN SST) Tuber juice as Herbal Ectoparasiticide Against Goal Lice
182	III	Morados, Jay D.	Dep Ed-Sta. Cruz, Zambales	Agriculture	TCA	Graduated	The Influence of Vermicompost and Vermicompost and Vermi Tea on Pest Incidence and Yield Performance of NSIC Rc 160 and NSIC Rc 222
183	III	Payumo, George M.	MAO-Paniqui, Tarlac	Agriculture	TCA	Graduated	Fertilizer Management for Rice (Oryza sativa L.) Grown Under PalayCheck System
184	III	Pineda, Laully M.	LGU-Pampanga	Agriculture	PAC	Graduated	An Evaluation on the Anthelmintic Properties of Mahogany Seeds (Swietenia mahogani Jacq.) and Moringa Seeds (Moringa oleifera Lam.) on Different Ages of Free-Range Native Chickens
185	III	Pol, Sonia D.	PCC-Munoz, Nueva Ecija	Rural Development	CLSU	Graduated	Assessment of Village-Based Artificial Insemination Technician as Strategy Towards Privatization of Artificial Insemination Services in Nueva Ecija
186	III	Ramos, Carmelita G.	MAO-Botolan, Zambales	Agriculture and Fisheries	RMTU	Graduated	Upland Rice-Based Cropping Practices of Indigenous Rice Farmers in Selected Municipalities of Zambales
187	III	Ramos, Christian T.	LGU-Sta Cruz	Community Development	BSU	Graduated	Participation of Rice Farmers in Socio-Economic Development of Sta. Cruz Zambales
188	III	Reyes, Joyce Linda U.	PAO-Baler, Aurora	Agriculture and Fisheries	CLSU	Graduated	Growth and Yield Performance of Glutinous Corn (Zea mays) Applied with Inorganic Fertilizer Supplemented with Vermicast and Vermitea
189	III	Reyes, Ronald Allan	CAO-Tarlac City	Agriculture	TCA	On Going	
190	III	Rubion, Lorna G.	RFU-San Fernando, Pampanga	Crop Protection	CLSU	On Going	
191	III	Salas, Lea F.	BPSU-Abucay, Bataan	Agriculture	PAC	For Refund	
192	III	Salazar, Rea Nina B.	LGU-Bustos, Bulacan	Agriculture	BASC	Graduated	Effectiveness of Farmers Field School (FFS) on Palaycheck in Promoting Rice Management Practices in the Province of Bulacan

193	III	Salvador, Amelita R.	PHillMech-Munoz, Nueva Ecija	Environmental Science	UPLB	Graduated	Assessment of Using Ricehulls for Mechanical Dryers as an Option for Mitigating Greenhouse Gas Emissions in Region 3, Philippines
194	III	Sangumay, Cristina A.	LGU-San Fernando	Agriculture and Fisheries	PAC	Graduated	Response of Apparently Normal Broilers to Transfer Factors
195	III	Santiago, Janice T.	MAO-Castillejos, Zambales	Agriculture	RMTU	Graduated	Carbamates and Organophosphorous Pesticides Residue in Selected Vegetables in Relation to Farmers Practices in Zambales
196	III	Saturno, Janet L.	CLSU-Nueva Ecija	Agriculture and Fisheries	CLSU	Graduated	Capability Development and Utilization of Information and Communication Technology (ICT) of Farmers Information and Technology Services (FITS) Staff in Region III: An Evaluation
197	III	Sazon, Raymund A.	RMTU	Rural Development	CLSU	Graduated	Farmers Utilization of the Rapid Composting Technology (RCT) in Zambales Philippines
198	III	Sulit, Meriam F.	BASC-Bulacan	Agriculture	BASC	Graduated	Documentation of Organic Growers in the Province of Bulacan
199	III	Torres, Benedicto D.	BPSU-Abucay, Bataan	Horticulture	PAC	Graduated	Performance of Three Varieties of Broccoli (Brassica oleracca L. var. italica) Applied with selected
200	III	Tuazon, Carlos B.	LGU-Capas	Crop Science	PAC	Graduated	Yield Performance of Direct Seeded PSB-RC 82 as Affected by Increasing Seeding and Fertilizer Rates during Dry Season
201	III	Venturina, Aneleah P.	LGU-Minalin, Pampanga	Veterinary Studies	CLSU	Graduated	Validation of Loop-Mediated Isothermal Amplification Assay (Lamp) in Detecting Respiratory Bacteria in Diseased Lungs and Tonsils of Pigs
202	IVA	Abarca, Vysmarf O.	LGU-Kalayaan Laguna	Agriculture and Fisheries	LSPU	For Refund	
203	IVA	Abrazado, Alexander	URS-Tanay, Rizal	Agronomy	URS	Graduated	Agronomic and Ecological Effects on Binoculant and Different Fertilizer Materials on Traditional (Binemal) Rice Variety
204	IVA	Agonia, Francisco C.	OPA-Laguna	Agriculture	LSPU	For Refund	Growth and Yield Performance of Basmati Rice Variety with Organic, Recommended Rate and Balanced Fertilization Strategy
205	IVA	Albos, Aldrin T.	OPA-Rizal	Agriculture	URS	Graduated	Response of Tomato to Soil Media and Type of Irrigation
206	IVA	Alfaro, Mark Anthony B.	OMA-Novleta, Cavite	Agriculture	CvSU	Graduated	Effects of Vesicular Arbuscular Mycorrhizae on the Growth and Yield of Basmati Rice on Various Levels of Phosphate Fertilizer Application

207	IVA	Alfaro, Sherylou C.	ATI-Cavite	Agriculture	CvsU	Graduated	Effects of Vesicular Arbuscular Mycorrhizal Fungi on the Growth and Yield of Aromatic Rice and Carlaon Varieties under Upland Field Condition
208	IVA	Arbilo, Maricar C.	RFU IVA-Quezon City	Agriculture and Fisheries	LSPU	Graduated	Egg Production Performance of Native Chickens Fed with Trichantera gigantea Leaf Meal in Floating Houses
209	IVA	Ardeza, Alvin C.	PCA-Lucena City	Forestry and Natural Resources Mngt	SLSU	Graduated	Impact Assessment on thr Rehabilitation of Landslide Affected Area at Mt. Banahaw de Lucban, SLSU Forest Reservation Using Coconut Coir Geotextile: The Effect of Coconut Geotextile in Soil Loss
210	IVA	Arroyo, Gina P.	LGU-Rizal	Agriculture	URS	For Refund	
211	IVA	Asino, Mary Rose G.	MAO, Pililia, Rizal	Agriculture and Fisheries	URS	For Refund	
212	IVA	Beato, Lolita	LSPU-Laguna	Crop Science	LSPU	Graduated	Growth and Yield Performance of Green Corn (Zea mays) Using Different Bio-organic Fertilizers and Insecticides
213	IVA	Beraña, Reynate R.	LGU-Jala Jala	Agriculture	URS	For Refund	
214	IVA	Bihis, Dennis DL	Tiaong, Quezon	Agriculture	LSPU	Graduated	Effects of Alpha Naphthalene Acetic Acid (ANAA) and Indole-3-Butyric Acid (IBA) Treatments on the Root and Shoot Formation of Wild Raspberry (Rubus rosifolius JE Sm.) Stem Cuttings
215	IVA	Buot, Merites M.	UPLB	Community Development	UPLB	Graduated	Community Well-being After a Disaster in Albay, Bohol and Leyte, Philippines
216	IVA	Carbonell, Jr., Arturo DG.	MAO-Pililia, Rizal	Agribusiness	URS	For Refund	
217	IVA	De Guzman, Warren M.	PCA-Lucena City	Forestry and Natural Resources Mngt	SLSU	Graduated	Impact Assessment on the Rehabilitation of an Eroded Portion of Mt. Banahaw de Lucban using Coconut Coir Geotextile
218	IVA	Dela Cruz, Frene C.	OPAG-Sta. Cruz, Laguna	Agriculture	LSPU	On Going	Curd Yield Performance of Cauliflower Using Fermented Plant Extracts
219	IVA	Dela Cruz, Trojan A.	PV-Antipolo City	Agriculture	URS	For Refund	
220	IVA	Dion, Mamalyns C.	OPA-Rizal	Agriculture	URS	Graduated	Effects of Planting Distace and Organic Biostimulant on the Performance of Bunching Onion (Alliu fistulosum L.)
221	IVA	Francia, Carmelo S.	LGU-Infanta, Quezon	Agriculture	LSPU	For Refund	

222	IVA	Gatbonton, Ma. Cecilia C.	LSPU-Laguna	Crop Science	LSPU	Graduated	Sprouting Characteristics and Nutritional Changes of Different Mungbean (Vigna radiata) Varieties
223	IVA	Gutierrez, Len DC	MAO-Pililia, Rizal	Agriculture	URS	For Refund	
224	IVA	Gutierrez, Loy Celestino SJ.	San Roque, Antipolo	Agriculture	URS	For Refund	
225	IVA	Huelgas, Darío M.	DA-Maroway, Lipa City	Agriculture	CSU	Graduated	Growth, Yield and Acceptability Evaluation of Coix lacrymjobi as Affected by Organic and Inorganic Fertilizer Application
226	IVA	Jamoralin, Alexandra	DA RFU IVA	Agronomy	USR	Graduated	Agronomic and Ecological Effects of Binoculant and Different Fertilizer Materials on NSIC Rc 192 Rice Variety
227	IVA	Junos, April Rose T.	OPA-Calaan, Laguna	Agriculture and Fisheries	LSPU	On Going	Effects of Different Fermented Amino Acids on the Growth and Yield Performance of Cucumber (Cucumis sativus)
228	IVA	Leal, Soledad A.	OPA-Laguna	Agriculture	LSP	Graduated	Agronomic and Ecological Performance Sensory Qualities of Lettuce (Lactuca sativa) with Vermicompost Application
229	IVA	Licong, Jr., Norberto B.	MAO-Magdalena, Laguna	Agriculture and Fisheries	LSPU	For Refund	
230	IVA	Luces, Eugene R.	MAO-Quezon	Agriculture and Fisheries	LSPU	Graduated	Variation of Growth and Yield of Seaweeds (Kappaphycus alvarezii) in Response to Different Seedling Ages and Cultivation Techniques
231	IVA	Macahilig, Romela G.	DA-Batangas City	Crop Protection	Cvsu	Graduated	Field Effectiveness of Baited Traps Against Fruit Fly I Dragon Frit <i>Hylocereus</i> spp.
232	IVA	Magcawas, Almira G.	CSU-Indang, Cavite	Agricultural Extension	CSU	Graduated	Organizational Performance of FITS Centers in the Southern Tagalog Region
233	IVA	Malabayabas, Felisa	UPLB	Agriculture	UPLB	Graduated	Knowledge Sharing of Climate Change Adaptation Strategies Among Upland Farmers in Paoyay, Atak, Benguet, Philippines
234	IVA	Maningas, Rolando V.	ATI IVA	Educational Management	Cvsu	Graduated	Management Maturity of Agricultural Training Institute Regional Training Centers (ATI-RTCs) on the Implementation of the Philippine E-Extension Program
235	IVA	Mendoza, Rey D.	CAO-Antipolo City	Crop Science	URS	On Going	Response of Determinate and Semi-Determinate Tomato (<i>Lycopersicon esculentum</i> Linn.) Varieties on the Period of Application of Vermicompost

236	IVA	Millari, Triniza	RFU IVA	Agriculture	LSPU	Graduated	Growth and Yield Performance of Sweet Cor (Zea mays L.) Intercropped with Bush Sifao (Vigna unguiculata) Under Vermicompost application
237	IVA	Miranda, Joselito S.	LPSU	Agriculture and Fisheries	WPU	Graduated	Survival and Growth Performance of Acropora dendrum and Pocillopora damicornis Corals in Palawan
238	IVA	Mojares, Juvy G.	BSU-Batangas City	Agriculture and Fisheries	UPLB	Graduated	Research Extension Productivity of Selected Educational Institutions in Batangas, Philippines
239	IVA	Mondugar, Neil S.	Sta. Cruz, Laguna	Agriculture	LSPU	On Going	Effects of Extraction Time and Different Solvent Sources on the Leaf Extract Quality of Stevia rebaudiana
240	IVA	Olvida, Luminada	LGU-Rizal	Agronomy	URS	Graduated	Agronomic and Ecological Effects of Bioinoculant and Different Fertilizer Materials on Inbred Rice. NSIC Rc 156 (Tubigan 12)
241	IVA	Orca, Leoncio V. Jr.	PVO-Antipolo	Agriculture and Fisheries	URS	For Refund	
242	IVA	Plata, Ruth	OMA-Lobo, Batangas	Development Communication	UPLB-OUS	Graduated	
243	IVA	Racoma, Avelino D.	MAO-Burdeos, Quezon	Crop Science	LSPU	Graduated	Influence of Fermented Plant Materials as Foliar Fertilizer in the Growth and Yield Performance of Hot Pepper
244	IVA	Reyes, May Lyn J.	Calamba, Laguna	Horticulture	UPLB	For Refund	
245	IVA	Reyes, Romeo F.	RFU IVA-Quezon City	Agriculture	URS	For Refund	
246	IVA	Rodriguez, Marissa O.	Calamba, Laguna	Horticulture	UPLB	For Refund	
247	IVA	Rosarda, Gina Romilla	DA NIA-Naic, Cavite	Development administration	SLSU	Graduated	
248	IVA	Salvaleon, John Mel D.	OMA-Sampaloc Quezon	Agriculture and Fisheries	LSPU	Graduated	Performance of Kabir Chickens Fed with Diet of Varying Levels of Nacedero (Trichantera gigantea) and Tropical Kudzu (puerarianjavonica) leaf meals
249	IVA	Tapales, Merlita R.	San Roque, Antipolo	Agribusiness Management	URS	Graduated	Performance of Broiler (Gallus gallus domesticus Linnaeus) Fed with Locally Available Feedstuffs from Plant Source Based Ration
250	IVA	Tiburcio, Arlene M.	OMA-Morong, Bataan	Agriculture	URS	Graduated	Assessment of Agriculture-Based Livelihood Projects Under the DA-ATI 4-H Youth Development Program in Calabarzon

251	IVA	Trillana, Melody	OPA-Catauan, Laguna	Agriculture and Fisheries	LSPU	On Going	Methods of Fermented Liquid Fertilizer Application on the Growth and Yield Performance of Corn
252	IVA	Yee, Liza	LGU-Kalayaan, Laguna	Agriculture	LSPU	Graduated	Performance of Three Varieties of Finger Pepper (<i>Capsicum annum</i> L.) Using Different Fertilizer Sources Under Upland Condition in Kalayaan, Laguna
253	IVB	Agoncillo, Elisa M.	Victoria, Oriental Mindoro	Crop Science		Graduated	Growth and Yield Performance of Tomato (<i>Lycopersicon esculentum</i>) var. Diamante as Affected by the Time of Application and Levels of Gibberellic Acid (GA3)
254	IVB	Alea, Adelaida C.	RFU IVB	Animal Science	MINS CAT	Graduated	
255	IVB	Antonio, Rowena V.	BPI IVA - Batangas City	Agriculture and Fisheries	MINS CAT	Graduated	Differentil Response of Two Okra Varieties
256	IVB	Bravo, Pacita P.	PAO-Palawan	Rural Development	WPU	Graduated	Socio-Economic Status of the Rubber Producers in the Municipalities of Quezon and Rizal, Palawan
257	IVB	Cabintoy, Rodel	Puerto Princesa, Palawan	Agronomy	WPU	For Refund	
258	IVB	Cacal, Milagros	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	
259	IVB	Casareno, Artemio D.	DA RFU-IVB	Agronomy	PAC	For Refund	
260	IVB	Chavez, Julio Romeo T.	RSU, Romblon	Agriculture	CaVSU	Graduated	Food Staples Production and Post Production Systems among Agrarian Reform Communities (ARCs) and Non-Agrarian Reform Communities (non-ARCs) of Romblon Province
261	IVB	Dalonos, Irene	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	Effectiveness of Agricultural Management Practices on the Control of Mango Pulp Weevil in Puerto Princesa City
262	IVB	Datinguino, Rene D.	Calapan City., Or. Mindoro	Crop Science	MINS CAT	Graduated	Effect of Different Levels of Fermented Golden Apple Snail (<i>Pomacea caniculata</i> L.) on the Growth and Yield of "Marimar" and "Diamante" Tomato Varieties
263	IVB	Davalos, Nemesio H.	Victoria, Oriental Mindoro	Animal Science		Graduated	Growth Performance of Goat (<i>Capra hircus</i>) Feed Rations with Different Levels of Freshly Coated Coconut Meat and Rice Bran
264	IVB	Fabello, Danilo M.	Odiongan, Romblon	Animal Science	RSU	For Refund	

265	IVB	Fadri, Mary Jane A.	Odiongan, Romblon	Agriculture	RSU	Graduated	Agronomic Characteristics of Different Cassava Varieties for Food Under Odiongan, Romblon Condition
266	IVB	Fajanilan, Ana S.	Odiongan, Romblon	Agriculture	RSU	Graduated	Growth and Yield Performance of Onion using Different levels of Organic and Inorganic Fertilizer Combination under Open Field Condition
267	IVB	Fajanilan, Hoyle F.	Odiongan, Romblon	Crop Science	RSU	Graduated	Growth and Yield Performance of Three Glutinous Rice Genotypes Treated with Organic and Inorganic Fertilizers Under Rainfed Condition
268	IVB	Falculan, Ken N.	Odiongan, Romblon	Animal Science	RSU	Graduated	Laying Performance and Egg Quality of Upgraded Layer Fed with Different Levels of Annatto Seeds (Bixa orellana L.) as Feed Supplement Raised under Different Housing Conditions
269	IVB	Famero, Gerly F.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Fishery of Common Bivalves and Gastropods in Interfidal Areas of Barangay Canduyong, Odiongan, Romblon
270	IVB	Felja, George T.	Odiongan, Romblon	Animal Science	RSU	Graduated	The Economics of Small-Scale Broiler Production Supplemented with Different Levels of Dried Bakery by-Products Under Different Housing Conditions
271	IVB	Ferrancullo, Ely F.	Odiongan, Romblon	Animal Science	RSU	Graduated	Productivity and Profitability of Fattening Pigs Under Different Housing Conditions
272	IVB	Ferrer, Katherine F.	Odiongan, Romblon	Animal Science	RSU	Graduated	Anthelmintic potency of different herbal dewormer were comparable to the reference drug albendazole since herbal group has the coacity to expel roundworms and tapeworm eggs in goats but not as effective as the control
273	IVB	Ferriol, Marjail I.	Odiongan, Romblon	Crop Science	RSU	Graduated	Growth and Yield Performance of Lettuce Treated with Different Kinds and levels of Liquid Organic Fertilizer Under Protected Cultivation
274	IVB	Ferry, Elmer T.	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	Cashew Enhancement Project Of the Department of Agriculture-Palawn Agricultural Experiment Station in Palawan, Philippines
275	IVB	Fornal, Delbert F.	Odiongan, Romblon	Animal Science	RSU	Graduated	Quality and Palatability of Broiler Meat Fed with Different Levels of Dried Bakery By-Products Raised Under Different Housing Conditions

276	IVB	Fuertes, Librada	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	
277	IVB	Galvero, Ruel E.	Odiongán, Romblón	Animal Science	RSU	Graduated	Egg Quality of Crossbred Mallard (Anas platyrhynchos) and Muscovy Ducks (Cairina moschata) as Influenced by Different Sex Ratios
278	IVB	Galvez, Aileen	Naujan, Or. Mindoro	Crop Science	MINS CAT	Graduated	Growth and Yield Performance of Raddish (Raphanum salivu) Using Different Levels of Vermicompost and Bio-N
279	IVB	Gaspar, Glimar	San Jose, Occ. Mindoro	Farming System	OMSC	Graduated	Farming Systems Practices of the Mangyan Tribes in Occidental Mindoro 2009-2013
280	IVB	Gervacio, Rebecca	Odiongán, Romblón	Animal Science	RSU	Graduated	Growth Performance and Carcass Recovery of Upgraded Hogs Under Different Housing Conditions
281	IVB	Gregorio, Rosalito F.	Odiongán, Romblón	Animal Science	RSU	Graduated	Pork Quality and Palatability of Upgraded Hogs Raised Under Three Different Housing Conditions
282	IVB	Icalla, Erwin L.	SUC-Or. Mindoro	Animal Science		Graduated	
283	IVB	Ignacio, Andy A.	Odiongán, Romblón	Animal Science	RSU	For Refund	
284	IVB	Lalap, Allan F.	RFU IVB	Agriculture and Fisheries	CavSU	On Going	
285	IVB	Landicho, Jovilito D.	DA RFU IVB	Animal Science	CSU	Graduated	
286	IVB	Lanto, Mina D.	ATI-Mindoro	Agriculture and Fisheries	DLSU-Araneta	Graduated	Biological Performance of Two (2) Strains of Broiler given Different Concentrations of Wood Vinegar as Supplement
287	IVB	Lilang, Rey P.	Odiongán, Romblón	Crop Science	RSU	On Going	
288	IVB	Lopez, Lotis A.	Calapan City,, Or. Mindoro	Agriculture	MINS CAT	Graduated	Adaptability of Different Saline Rice Variety under Balite, Calapan City Condition
289	IVB	Lotivo, Eleonor	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	Locally Managed Marine Protected Areas in Palawan
290	IVB	Magracia, Enrique M.	Odiongán, Romblón	Marine Biology	RSU	Graduated	
291	IVB	Mani, Merian C.	Odiongán, Romblón	Crop Science	RSU	For Refund	

292	IVB	Manipol, Villamor M.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Fish Species Composition and Abundance of Tinagong Dagat
293	IVB	Mantaring, August F.	LGU-Gloria, Or. Mindoro	Agriculture and Fisheries	MINS CAT	For Refund	
294	IVB	Mante, Grace T.	Calapan City,, Or. Mindoro	Crop Science	MINS CAT	Graduated	Rooting Response of Coffearobusta cuttings to different levels of indole butyric acid
295	IVB	Mantes, Bernie G.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Giant Clams Population Structure in Romblon Pass
296	IVB	Mendoza, Haidie U.	PAO-Palawan	Rural Development	WPU	Graduated	Women's Participation in Lowland Rice Production in Northern Palawan
297	IVB	Minon, Danilo M.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Fish Population Characteristics of Romblon Pass and Tablas Strait Romblon, Philippines
298	IVB	Moscoso, Cresenciano B. Jr.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Status of Coral Reefs of Oregon Rock in the Municipality of Calatrava, province of Romblon, Philippines
299	IVB	Muyo, Emily F.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Population Structure and Distribution of Commonly Marketed Sea Cucumbers in Romblon Pass, Philippines
300	IVB	Olido, Celso C.	DA RFU IVB Quezon	Agriculture	CVU	Graduated	Pyroligneous Acid from Agricultural Wastes: It's Potentials as Source of Supplementary Nutrients in Shallot (Allium cepa var. gr. Aggregatum) Production
301	IVB	Pandhon, Marius L.	LGU-Calapan	Environmental Sciences	UPLB	Graduated	Ecological Assessment of the Siganid Fishery of Calaugan Lake and Babuyan River in Mindoro, Philippines as Affected by human and Environmental Impacts
302	IVB	Parcon, Luisito DP.	RFU IVB	Crop Science	CavSU	On Going	
303	IVB	Pascua, Alexander M	Marinduque State College	Agriculture and Bioprocessing	UPLB	Graduated	Performance Characteristics of a Prototype Coconut Dehusking Machine
304	IVB	Pasion, Teoducio T.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	The Community Structure of Seagrass in San Andres Romblon in Reference to the intervention measures adopted by the Tite Local Leaders
305	IVB	Penaranda, Ariel P.	PAO, Marinduque	Horticulture	CavSU	Graduated	
306	IVB	Plata, Maryjane T.	MINS CAT, Or. Mindoro	Crop Science	MINS CAT	Graduated	Growth, Yield and Pest Incidence of Tomato Varieties with Vermiwash Application
307	IVB	Pulhin, Jolito M.	MAO, Mansalay, Or. Min.	Agriculture	MINS CAT	Graduated	Assessing Salt Water Irrigation for Tomato Production

308	IVB	Guijano Concepcion Angela S.	Odiongan, Romblon	Marine Biology	WPU-RSU	Graduated	Mangrove Diversity and Community Structure in Tablas Island, Romblon
309	IVB	Rago, Pamela E.	Calapan, Oriental Mindoro	Agricultural Extension	Cvsu	Graduated	Determination of Innovativeness of Organic Composting as Alternative Source of Fertilizer April 2013
310	IVB	Rebusada, Maria Myla	Puerto Princesa, Palawan	Rural Development	WPU	Graduated	Outcomes of the Coastal Resource Management Project in San Vicente, Palawan
311	IVB	Revadeniera, Alvin	PAO, Boac, Marinduque	Horticulture		Graduated	
312	IVB	Rosales, Nanette M.	DA- Agricultural Demonstrativ e Center	Crop Science	MINSCAT	Graduated	Effects of Compost Tea on Broccoli (Brassica oleracea) Grown under Varying Conditions
313	IVB	Sagun, Cristina M.	DA- ORMAES	Crop Science	MINSCAT	Graduated	Response of Cauliflower (Brassica oleracea, conv. Botrytis, L.) to Vermitea Application
314	IVB	Salazar, Romnel B.	RFU IVB	Animal Science	CavSU	Graduated	Nutrient Composition and Physical Characteristics of Quail (Coturnix coturnix) Eggs and Performance of Quail Hens as Affected by Fresh Moringa (Moringa oleifera) Leaves Supplementation
315	IVB	Sapinit, Gary Louie A.	Bongabong, Oriental Mindoro	Crop Science	MINSCAT	Graduated	Growth and Yield of Two Varieties of Lettuce (Lactuca sativa Linn) to Different Concotions
316	IVB	Sarabia, Desiree	Naujan, Oriental Mindoro	Crop Science	MINSCAT	Graduated	Growth and Yield Response of Radish (Raphanus sativus) to Different Levels of Carbonized Rice Hull and Moringa Leaf Extract
317	IVB	Tijulan, Mirafior F.	LGU- ALCANTARA	Animal Science	RSU	Graduated	Efficacy of Wood Vinegar Made from Different Raw Materials as Dewormer on Goats
318	IVB	Tugade, Teofilo M.	MINSCAT, Oriental Mindoro	Agriculture	CavSU	Graduated	Adaptability of Four Cauliflower Varieties (Brassica oleracea L. var. Botrytis) Under MinSCAT Condition as Affected by Varying Concentrations of wood Vinegar
319	IVB	Ureta, Mercedesita	MINSCAT, Oriental Mindoro	Agriculture and Fisheries		Graduated	Palatability and Acceptability of Peanut and Marang Seeds Cooked with Different Kinds of Sugar
320	IVB	Vargas, Ely H.	LGU, Naujan	Agriculture	PC	Graduated	Yield Response of Black Rice with different levels of Wood Vinegar and Charcoal
321	IVB	Villanueva, Zenaida	LGU, Naujan, Oriental Mindoro	Agriculture and Fisheries	DLU- ARANETA	On Going	

322	V	Adan, Gertrudes Girlie J.	CBSUA, Pili, Cam. Sur	Agriculture and Fisheries	Miriam College, QC	Graduated	reverted funds
323	V	Aman, Danilo L.	RFU V	Management	SSC	Graduated	Delivery of Services of the SAIS-BC (Strengthening of the Industrial sector in Bicol and CARAGA Regions (Cassava Component Project at Castilla, Sorsogon
324	V	Anagao, Nancy M.	Moreira Gbth.	Environmental Management	CBSUA	Graduated	Impact Assessment of Trainers Training on High Valued Fruit and Vegetable Production in Bicol Region
325	V	Banda, Mary Elizabeth S.	RFU V	Management	BU	Graduated	A Gap Analysis: The Chemical Safety and Security Management of Chemical Laboratory of the Department of Agriculture Regional Field Unit V (DA-RFU V)
326	V	Basmayor, Elsa B.	LGU- Minalabac	Resource Management	CBSUA	Graduated	Coastal Resource Management Interventions in the Municipalities of Camarines Sur Along San Miguel Bay
327	V	Bayrante, Ma. Rowena	CBSU, Pili, Cam. Sur	Development Education	CBSUA	Graduated	Development and Validation of Instructional Material for Descriptive Statistics
328	V	Belardo, Raphy B.	OPA, Camarines Norte	Public Administration	CNSC	Graduated	Preparedness of Agricultural Extension Workers and Implementation of Organic Agricultural Program in Camarines Norte
329	V	Belarmino, Joey (Thesis)	Moreira Gbth.	Public Administration		Graduated	e-Learning for Agricultural Extension Workers in Camarines Sur
330	V	Beltran, Cecilia M.		Agriculture and Fisheries		Graduated	reverted funds
331	V	Bernaldes, Rona	RFU V	Public Administration	Partido College	Graduated	Comprehensive Livelihood Emergency Employment Program for Swine Dispersal in Selected Municipalities of Albay: An Assessment
332	V	Bolanos, Karen V.	Camalig, Albay	Agriculture and Fisheries	BU	Graduated	not yet submitted
333	V	Botin, Dick B.	MAO, Milaor, Cam. Sur	Agriculture and Fisheries	CBSUA	Graduated	not yet submitted
334	V	Bravo, Aline	LGU, Baao, Camarines Sur	Resource Management	CBSUA	Graduated	Assessment of Palaycheck System in Baao, Camarines Sur
335	V	Cadag, Charlito P.	CBSUA, Pili, Cam. Sur	Development Education	CBSUA	Graduated	The Student Services of Central Bicol state University of Agriculture (CBSUA): Their Influence on Student Development
336	V	Calingacion, Menandro	OPA, Naga City	Agriculture and Fisheries	CBSUA	Graduated	not yet submitted

337	V	Camba, Ma. Caridad (Thesis)	Moreira Gbfn.	Agriculture and Fisheries		On Going	
338	V	Castro, Melcris	LGU, Monreal, Masbate	Agriculture and Fisheries	BUCAF	Graduated	Enhancing Yield of Upland Rice using Biofertilizer
339	V	Dasallas, Marilyn C.	OPA, Camarines Norte	Agriculture and Fisheries		Graduated	reverted funds
340	V	Dayo, Arlene M.	LGU-Goa	Resource Management	CBSUA	Graduated	Adoption of the Natural Farming in Selected Municipalities of Camarines Sur
341	V	Dela Peña, Era M.	LGU-Masbate	Agriculture and Fisheries		Graduated	Communication Strategies or Organic Promotion and Development in Cataingan, Masbate
342	V	Dino, Ricardo D.	CNSC, Daet, CamSur	Business Administration	Ateneo de Naga	Graduated	Dynamics of Pineapple Production Operations in Camarines Norte and Its Contribution to the Province Economic Development
343	V	Dygico, Mervin C		Agriculture and Fisheries		Graduated	reverted funds
344	V	Eboña, Jennifer M.	CBSU, Pili, Cam. Sur	Agriculture and Fisheries	CBSUA	Graduated	Design, Testing and Evaluation of Prototype Biofilter to Mitigate Odor in Tunnel-vent Poultry Production System
345	V	Ebona, Jerry	Sn. Agustin, Pili	Resource Management	CBSUA	Graduated	Operation and Management of the Pilot Agricultural Trampoline System in the Highlands of Viga, Catanduanes
346	V	Initia, Irma D.	LGU-Libmanan	Resource Management	CBSUA	Graduated	Job Satisfaction and Performance of the Devolved Agricultural Extension Workers in the Province of Camarines Sur
347	V	Lasala, Ma. Gemma C.	LGU-Libmanan	Resource Management	CBSUA	Graduated	Capability Assessment of Selected LGUs in Camarines Sur in the Implementation of Organic Agriculture Act of 2010
348	V	Laysa, Ma. Milagros B.	Moreira Gbfn.	Resource Management	CBSUA	Graduated	Implementation of Techno Gabay Program Among Farmers-Scientists (Magsasakang Siyentista) in Bicol Region
349	V	Maceres, Alvin Joseph M.		Agriculture and Fisheries		On Going	
350	V	Matocinos, Meljie L.	MAO, Daraga, Albay	Agriculture and Fisheries	BU	Graduated	Influence of Delaying the Harvest Period of Sweet Potato (Ipomea batata) on the Incidence of Sweet Potato Weevil
351	V	Montesinay, Romela E.	LGU, Malilipot, Albay	Agriculture and Fisheries	BU	Graduated	Productivity of PSB RC18 Under Different Systems of Cultivation and Fertilizer Management Practices

352	V	Moral, Joey T.	LGU, Cabusao, Cam. Sur	Agriculture and Fisheries	CBSUA	Graduated	Not yet submitted
353	V	Narvaez, Lester M.	BUCAF	Plant Science	CBSUA	Graduated	Correlates of climate Change Adaptation and Mitigation Mechanism of Vegetable of Farmers in Albay
354	V	Navarroza, Marilyn R.	Naga City	Agriculture and Fisheries	CBSUA	Graduated	Productivity of PSB RC18 Under Different Systems of Cultivation and Fertilizer Management Practices
355	V	Nirol, Myla	Moreira Gbfn.	Resource Management		Graduated	Physio-socio-Economic Characterization and Analysis of Quinali Sub-Watershed in the Province of Albay
356	V	Nuñez, Rodolfo	MLGU, Canaman, Cam Sur	Agriculture and Fisheries	CBSUA	Graduated	Not yet submitted
357	V	Orbeta, Rubi R.	Moreira Gbfn.	Resource Management	CBSUA	Graduated	The Role of Rural women in Coconut-Based Farming System in the Third District of Albay
358	V	Orcelada, Liza	LGU-Baao	Resource Management	CBSUA	Graduated	Upscaling the Services of the Farmers Information and Technology Centers in Camarines Sur
359	V	Pavilando, Leilani D.	Moreira Gbfn.	Development Management	BU	Graduated	Palay Check System Program in the Bicol Region
360	V	Paz, Vincent	LGU-Baao	Resource Management	CBSUA	Graduated	Adoptability of Organic Rice Farming System in Baao, Camarines Sur
361	V	Pelin, Editha	Sn. Agustin, Pili	Resource Management	CBSU/BU CAF	Graduated	Clienteles Satisfaction on Registration and Licencing Program for Animal Feeds & Drugs of the Department of Agriculture
362	V	Pendijito, Daisy	LGU-Masbate	Agronomy	BU	Graduated	Productivity of Two White Corn Varieties (Tinguib and IPB VAR6) Applied with Varying Amounts Fertilizer under Monreal, Masbate Condition
363	V	Quilon, Rosanna	Cam. Sur	Agriculture and Fisheries	CBSUA	Graduated	Agricultural Entrepreneurial Capability of Rural Women in the Province of Camarines Sur
364	V	Ramirez, Ramona Isabel S.	CBSUA, Pili, Cam. Sur	Chemistry Education	BU	Graduated	Effects of Portfolio Assessment on Achievement Level and Interest of Students in General Inorganic Chemistry
365	V	Rebato, Josephine		Agricultural Extension		Graduated	Gap Analysis of Extension Services for Rice Production in OAS, Albay
366	V	Rodriguez, Joy O.	ATI, BUCAF	Agricultural Extension	CBSUA	Graduated	Implementation of 4H Club in the Municipalities of District III, Province of Camarines Sur.

367	V	Salvanera, Celeste M.	Daet, Cam. Norte	Agriculture and Fisheries	CNSC	Graduated	Palaycheck System As A Strategy in the Implementation of Farmers Field School
368	V	Sanoarjo, Edgar	LGU-Naga City	Resource Management	CBSUA	Graduated	Sustainability of Green Charcoal Briquettes in Naga Cty
369	V	Socito, Jhomaun	CSU, Virac	Agriculture and Fisheries	CBSUA	On Going	Not yet submitted
370	V	Tagnipez, Grace Graciana M.	PAO	Agricultural Development	VSU	Graduated	Evaluation of the Initial Rice Starter Seeds Distribution of Community Seed Banking (CSB) Project in the 3rd District of Masbate
371	V	Teano, Grace P.	LGU, Guinobatan	Human Resources Management	BU	Graduated	Job Satisfaction and Performance of Devolved Personnel Under the Agricultural Sector in the Third District of Albay
372	V	Togno, Alex V.	LGU-Gainza	Agricultural Extension	CBSUA	Graduated	Implementation of Ecological Solid Waste Management and Social Entrepreneurship Opportunities in Gainza, Camarines Sur
373	V	Ubalde, Florentino D. Jr.	Sn. Agustin, Pili	Agricultural Extension	CBSUA	Graduated	Assessment of Farmer's Field School as an Extension Modality for Kasakalikasan on Corn in Albay
374	V	Villagen, Samuel	LGU, Camarines Norte	Animal Science	CBSUA	On Going	Not yet submitted
375	V	Villavicencio, Jose Noel	CBSUA, Pili, Cam. Sur	Development Management	CBSUA	Graduated	IRR's Program in Conservation and Development of Lagonoy Watershed: Aid in Building Sustainable Communities.
376	V	Zaballa, Ma. Christina C.	Sn. Agustin, Pili	Plant Science	CSSAC	Graduated	Evaluation of Programang Gulayan ng Masa in Masbate and Camarines Norte
377	VI	Abella, Leah N.	Capiz State University	Animal Science	CSU	Graduated	Efficacy of Ethnobotanical Extracts as Anthelmintics Against Intestinal Parasites of Darag Native Chicken (Gallus gallus domesticus)
378	VI	Alenciaga, Jolly P.	ISCOF, San Enrique, Iloilo	Animal Science	WVSU	Graduated	
379	VI	Araquil, Joel A.	WVSU, Lambunao, Iloilo	Agriculture	WVSU	Graduated	
380	VI	Bantigue, Lynn	OMA, Banga, Aklan	Rural Development	ASU	Graduated	Assessment of Farmer's Information and Technology Services (FITS) Centers in the Province of Aklan
381	VI	Belargo, Audie B.	PAO, Roxas City	Agriculture and Fisheries	CSU	Graduated	Effectiveness of School on the Air (SOA) as an extension tool for rice, corn and Vegetable Farmers in the Province of Capiz

382	Bernaldo, Eraldgen N.	ATI, Aklan	Public Administration	NVC	On Going	Development of Some Cultural and management Practices for Abaca Production (MUSA TEXTILIS, NEE)
383	Besana, Ruby M.	ASU, Banga, Aklan	Agronomy	CSU	Graduated	Tourism in Boracay Island: Its Evolution and Development Outcomes
384	Bohulano, Nenia	ASU, Banga, Aklan	Rural Development	CLSU	Graduated	Agronomic and Physiological Response of Rice (Oryza sativa, L.) Under Mixed Variety Culture to Organic and Inorganic Fertilizer"
385	Brillon, Jelly A.	WVSU, CAF, Lambunao, Iloilo	Rural Sociology	UPLB	Graduated	Utilization of Different Probiotics in the Growth Performance of Broilers
386	Cabila, Sixto	BPI, Hamungaya, Jaro	Animal Science	wvsu	Graduated	
387	Caldito, Ryan M.	MAO, Leon, Iloilo	Agriculture and Fisheries	wvsu	Graduated	Environmental Performance of the Community-Based Forest Management Program under the Local Government of the Province of Iloilo, Philippines
388	Ceballos, Jerry	WVSU, CAF, Lambunao, Iloilo	Development Management	UPLB	Graduated	
389	Debulgado, Ronelen L.	DA, Aguinaldo St. Bacolod	Agricultural Extension	NSCA	For Refund	
390	Dela Cruz, Aleli I	OMA, Malinao, Aklan	Crop Science	ASU	Graduated	Vegetative Response of Spanish Red Pineapple (Ananas comosus L.) to different rate of carbonized Rice Hull and Frequency of GA3 application
391	Espiritu, Jim R.	OMA, Washington, Aklan	Crop Science	ASU	Graduated	VermiTea: Its influence on Growth and Yield Performance of Different Rice Selection
392	Esquillo, Genelaine D.	OMA, San Enrique, Iloilo	Agriculture	wvsu	Graduated	Adaptability Test of Different Varieties of Leaf Lettuce at Different Levels of Vermicompost Under WVSU-CAF, Lambunao, Iloilo
393	Felizardo, Rogelio	ASU, Banga, Aklan	Agronomy	CSU	Graduated	Adaptability Trial and Technology Development for Adlai (Coix lacryma-jobi L.) Production in Panay Island
394	Galvan, Sheryl N.	OPA, San Mig., Jordan, Guim	Crop Science	wvsu	Graduated	Post-harvest Losses of Mango (Mangifera indica, L.) in the Provinces of Iloilo and Guimaras, Philippines
395	Garzon, Samson Jr. E.	PLGU, Neg. Occ.	Development	La Salle	For Refund	Levels of Promotion and Adoption of Organic Agriculture Technologies in Negros Occidental

396	VI	Gayatin, Allete C.	DA, San Jose, Antique	Marine Affairs	UP-VISAYAS	Graduated	Fisherfolks Perception of Marine Protected Areas Effectiveness in Pandan, Antique: Why it Matters in CRM
397	VI	Gelvolea, Lucille T.	OPA, Bacolod City	Development Management	UNO-R	Graduated	Farmers' Field School Program in Negros Occidental
398	VI	Genturo, Noel C.	ISCOF, San Enrique, Iloilo	Animal Science	UPLB	Graduated	Distribution, Characterization and Socio-Economic Values of Indigenous Beef Cattle (Bos indicus L.) in Panay and Guimaras, Philippines
399	VI	Genzola, Dina A.	OPA, Bacolod City	Agriculture and Fisheries	WNU	Graduated	Effectiveness of Implementation of the Negros First Universal Crop Insurance Program in the Province of Negros Occidental
400	VI	Gerona, Nali L.	ISCOF, San Enrique, Iloilo	Animal Science	WVSU	Graduated	
401	VI	Gervacio, Jeofrey	OMA, Banga, Aklan	Rural Development	ASU	For Refund	
402	VI	Guarino, Eleuterio	ASU, Banga, Aklan	Agronomy	CSU	Graduated	
403	VI	Ibisate, Kuwenya	ASU, Banga, Aklan	Home Economics	ASU	Graduated	Sensory Quality of Glazed and Unglazed Rambutan (Nephelium lappaceum Linn) Cookies
404	VI	Inson, Christofer	OPVet, Banga, Aklan	Animal Science	ASU	Graduated	Growth Performance of Native Chicken Supplemented with Fresh Madre de Agua (Triticantha gigantea) Leaf
405	VI	Janoya, Mary Anne S.	Navas, Aklan	Agriculture and Fisheries	ASU	Graduated	
406	VI	Lachica, Joseph M.	OPVet, Kalibo, Aklan	Animal Science	CSU	Graduated	
407	VI	Laspinas, Uriel	OMA, Banga, Aklan	Agriculture and Fisheries	ASU	For Refund	
408	VI	Legaspi, Rowena M.	ASU, Banga, Aklan	Animal Science	WVSU	Graduated	Reproduction Performance of Native Chickens fed wit Different Home-Mixed Ration and Green Feeds
409	VI	Ligasan, Stephen Rey	WVSU, La Paz, Iloilo City	Community Development	UPLB	Graduated	Factors Associated with the effects of Flood Risks in Selected Rice Farming Communities in Potojan, Iloilo Philippines
410	VI	Lorque, Felizardo S.	ISCOF, Barotac Viejo	Aquaculture	ISCF	Graduated	Growth and Meat Quality of Fattened Blue Swimming Crabs Portunus pelagicus LINNAEUS 1758

411	VI	Luces, Sharon	OMA, Banga, Aklan	Poultry Production	ASU	Graduated	Socio-Economic Profile, Production Practices and Level of Awareness on Climate Change for Native Chicken Raisers in the Province of Aklan
412	VI	Nava, Alvin L.	OPA, Guimaras	Plant Science	WVSU	Graduated	
413	VI	Navarra, Danila R.	OMA, Banga, Aklan	Agriculture and Fisheries	ASU	Graduated	Performance of Foxtail Millet (<i>Setaria italica</i> , L.)
414	VI	Ordinario, Mary Ann	OPA, Bacolod City	Rural Development	NSCA	Graduated	Farmers Field School Program on Rice Integrated Pest Management in the City of Kabankalan, Negros Occidental
415	VI	Orquia, Rhod S.	DA-BPI, Guimaras	Agriculture and Fisheries	WVSU	Graduated	Effects of Storage on Physio-Chemical and Sensory Properties of Carabao/Mango (<i>Mangifera indica</i> , L.)
416	VI	Palla, Suzette	ISCOF, Barotac Viejo	Aquaculture	ISCF	Graduated	Pathogenic Bacteria Associated with <i>Crossostrea</i> sp. & <i>Mytilus smaragdinus</i> : Bases for an Improved Technology Depuration Technology
417	VI	Posterioso, Danilo	OMA, Banga, Aklan	Crop Science	ASU	Graduated	Application of Organic Fertilizer on the Performance of Open Pollinated Corn Varieties
418	VI	Prudente, Myrna P.	ISCOF, San Enrique, Iloilo City	Animal Science	WVSU	Graduated	The Economics of Using Animal Wastes and Municipal Biodegradables in Vermicomposting: A Strategy for Sustainable Urban Agriculture
419	VI	Quinlat, Marfe	OMA, Dingle	Rural Development	ISCF	For Refund	
420	VI	Reontoy, Ely C.	ATI, Aklan	Public Administration	NVC	On Going	
421	VI	Rico, Mary Ann N.	OMA Mad	Rural Development	ASU	Graduated	Municipal Agricultural Development Planning Process and Its Perceived Effectiveness in the Province of Aklan
422	VI	Rosbero, Liela A.	OMA, Passi City	Agriculture	WVSU	For Refund	
423	VI	Roxas, George Fredrick A.	WVSU, La Paz, Iloilo City	Animal Science	WVSU	Graduated	Assessment of the Feeding Values of formulated Home-mixed Feeds for <i>Gallus gallus Domesticus</i> (DARAG) Breeder Native chicken
424	VI	Salaver, Ronelo S.	OPA, Aklan	Crop Science	ASU	For Refund	Lanzones Scale Insect in Aklan: Its Infestation, distribution, Morphology and Alternatif Control
425	VI	Suerte, Nora	NIPSC, Sara, Iloilo	Fishery Technology	ISCF	Graduated	Fattening of Blue Swimming Crab <i>Portunus pelagicus</i> (Linnaeus) with Red Seaweed <i>Kappaphycus alvarezii</i> (Doty) in Floating Cages

426	VI	Sulleza, Allan S.	MAO, Sta. Barbara, Iloilo	Agriculture and Fisheries	wvsu	Graduated	
427	VI	Tesorero, Ma. Rosary T.	ASU, Banga, Aklan	Rural Development	ASU	Graduated	Management and Marketing of Native Chicken Raisers in the Province of Aklan
428	VI	Toledo, Veronica P.	ISCOF, Barotac Viejo	Fishery Technology	ISCF	Graduated	Canned Clarias Gariepinus: A New Fish Product Development
429	VI	Zacarias, Rolando	AU, Sibalom, Antique	Agriculture and Fisheries	UA	Graduated	A Review of the Production Technology Competencies in Poultry and Swine Curriculum (DAT-BAT): A Guide to Improved Instruction
430	VI	Villasis, Salvacion	ASU, Banga, Aklan	Agriculture and Fisheries	ASU	Graduated	
431	VII	Acha, Lorelei B.	RFU, Cebu City	Technology Management	CTU	Graduated	Agricultural Competitiveness Enhancement Fund Projects in Central Visayas: Proposed Geographic Information System Based Technology Monitoring and Evaluation System
432	VII	Aparri, Arlen R.	Sagbayan, Bohol	Agriculture and Development	BISU	Graduated	Involvement of Women in Corn Production Activities in the Province of Bohol
433	VII	Aparri, Florencio A.	BFAR, Cebu City	Agriculture and Fisheries	ISCOF	Graduated	Improvement of women in corn production activities in the province of Bohol
434	VII	Barimbao, Anna Deliza S.	RFU, Cebu City	Development Education	CTU	Graduated	Media-Based Organic Agriculture Education Advocacy
435	VII	Borbano, Lydia B.	ATI, Tagbilaran City	Agricultural Development	BISU	Graduated	Extent of Action Plan Implementation of the Community Rice Seed Banking in the Province of Bohol
436	VII	Cabusao, Arlene D.	LGU, Carmen, Bohol	Agriculture and Development	BISU	Graduated 2011	Certified Inbred Rice Seed Subsidy Program in the Selected Towns of Bohol, 2009-2010
437	VII	Cal, Ricardo L.	BISU	Agricultural Development	BISU	Graduated	Implementation Status of Strengthened Technical Vocational Education Curriculum in the Division of Bohol: Basis for Improvement
438	VII	Canoy, Andrea C.	OCA, Carlaon City	Agronomy	NORSU	On Going	
439	VII	Castillo, Wilberto	RFU, Cebu City	Agriculture and Fisheries	CTU	Graduated	Pest Management Technology for Mangoes Productivity Enhancement
440	VII	Cubrado, Carmen	LGU, Pilar	Agriculture and Fisheries	VSU-Leyte	Graduated	Management Style of Municipal Agriculturists and Organizational Effectiveness in the Municipal Agriculture Offices in Central Visayas.
441	VII	Dela Torre, Mary Ann T.	LGU, Carmen, Bohol	Agriculture and Fisheries	BISU	Graduated	Farming practices of organic vegetable practitioners in the province of Bohol

442	VII	Divinagracia, Lino M.	LGU, Buenavista	Development	BISU	Graduated	Agri-Pinoy Program in the Selected Towns of Bohol: Basis for Proposed Development Program
443	VII	Doria, Crisologo G.	BISU	Development	BISU	Graduated	Implementation of Techno Gabay Program (TGP) in selected Municipalities in Bohol 2006 - 2012
444	VII	Fementira, Gracia B.	ATI, Bohol	Agricultural Education	VSU-Leyte	Graduated	Performance Assessment of the Agriculture and Fisheries Program Scholars of the Agricultural Training Institute (ATI)
445	VII	Flores, Lanih Lei G.	Siquijor, Siquijor	Agricultural Development	BISU	On Going	The extent of action plan implementation on community rice seedbanking in the province of Siquijor
446	VII	Halasan, Maribeth C.	LGU, Dagohoy	Agricultural Development	BISU	Graduated	Sustainability of the PROFarms Project
447	VII	Jayona, Jimmy P.	LGU, Sierra Bullones	Development	BISU	Graduated	Impact on Corn-Based Farmer Scientist Training Program (FSTP), CY 2007-2011
448	VII	Josol, Maria Teresita L.	LGU, Calape	Development	BISU	Graduated	Implementation of Palayamanan Project in the Province of Bohol
449	VII	Lomosbog, Noel	BISU	Technology Management	BISU	Graduated 2011	Upland Development Program in Bohol Watersheds: A Rehabilitation and Climate Change Mitigation Strategies
450	VII	Majaducon, Mayolyn R.	RFU, Cebu City	Technology Management	CTU	Graduated	Agricultura Technology development Plan for Women Farmers in CPAR, Region 7
451	VII	Nalugon, Jelen P.	LGU, Loboc, Bohol	Development	BISU	Graduated	Implications of Adopt-A-School Program of ATI-7 in the Province of Bohol
452	VII	Navarez, Meldred D.	LGU, Carmen, Boohol	Agriculture and Fisheries	BISU	On Going	Socio-economic impact on artificial insemination on large animals in the selected town of bohool
453	VII	Noculan, Jane B.	LGU, Carmen, Bohol	Development	BISU	Graduated	Benefits and Problems of Flatbed Dryers (FBD), Calendar Year 2010-2011
454	VII	Ocliasa, Hermil Emilee	LGU, Balingan	Development	BISU	Graduated	Rice Assistance Program for Institutional Development , Basis for a Proposed Alternative Sustainable Rice production
455	VII	Oliver, Jun Alguin B.	ATI, Tagbilaran City	Agricultural Education	BISU	Graduated	Effectiveness of the Information, Education and Communication Materials Produced by the Agricultural Training Institute-7
456	VII	Omac, Prima D.	DeEd	Agricultural Education	BISU	Graduated 2011	Academic Performance in Relation to the Regional Achievement Test (RAT) Performance of the Technology and Livelihood Education (TLE) Students

457	VII	Omac, Rogelio P.	DeEd	Agriculture and Fisheries	BISU	Graduated 2011	Perception on the Seriousness of the Problems Encountered in the technology and Livelihood Education (TLE) Instruction in Relation to Academic Performance
458	VII	Ones, Ma. Corazon C.	LGU, Balilihan	Agriculture and Development	BISU	Graduated	Assessment on the Implementation of Rabies Prevention and Elimination Program (RPEP) in First District of Bohol
459	VII	Pagador, Mariflor P.	LGU, Batuan, Bohol	Agriculture and Fisheries	BISU	Graduated	Benefits of 4H Club to youth development
460	VII	Palma, Marcela P.	LGU, San Miguel	Agriculture and Development	BISU	Graduated	Adoption on Integrated Pest Management in Corn: Basis for Sustainable Corn Production
461	VII	Perenio, Lorna	Catigbian, Bohol	Agriculture and Development	BISU	Graduated	Implementation of Science and Technology Based Farm Projects in Bohol
462	VII	Ramo, Dino	LGU, Baclayon	Development	BISU	On Going	
463	VII	Rejas, Juanita P.	BISU	Technology Management	BISU	Graduated	Agriculture Program its Prospective Graduates and the Labor Market needs of the Agriculture Industry
464	VII	Repol, Norma B.	RFU, Cebu City	Environmental Studies	UP CEBU	On Going	Spatial Distribution Pattern and Management of Rice Grain Bug, <i>Paraeucosmetus pallicornis</i> (Dallas (Hemiptera:Lygaeidae) in the province of Bohol and its Effect on the Income of Farmers
465	VII	Reyes, Hercules B.	LGU, Ubay, Bohol	Agriculture and Development	BISU	Graduated	Adoption of Integrated Rice Technology of the Farmer Cooperators in the Province Province of Bohol
466	VII	Salera, Severino	BISU	Technology Management	BISU	Graduated	Small Farm Reservoir in Central Visayas: Its Implication to Agricultural Production
467	VII	Salingay, Aida T.	LGU, Pilar	Agricultural Education	vsu-Leyte	Graduated	An Assessment of School Based Strengthened Technical Vocational Education Program (STVEP)In the New Secondary Curriculum in Central Visayas
468	VII	Salingay, Decenia P.	DepEd	Agriculture and Fisheries	vsu-Leyte	Graduated	
469	VII	Soliva, Merrian P.	ATI, Bohol	Agricultural Education	vsu-Leyte	Graduated	Determinants of Learners' Intention to Continue the E-Learning Program of the Agricultural Training Institute (ATI)
470	VII	Sumampong, Eliseo B.	LGU, Batuan, Bohol	Agriculture and Fisheries	BISU	Graduated	Resource Allocation of Local Government Units: Its Contribution on the Open of Agricultural Development Program of the Province of Bohol

471	VII	Tumanda, Concepcion E.	LGU, Batuan, Bohol	Agriculture and Fisheries	BISU	Graduated	Marketing Systems and Problems Met by Organic Vegetable Growers
472	VII	Unabia, Mario B.	CAO, Naga City, Cebu	Technology Management	CTU	Graduated	Oyster Mushroom (<i>Pleurotus Ostreatus</i>) as Rice Husk Decomposer Techno Guide
473	VIII	Abad, Eva	PENRO, Maasin City, So. Leyte	Agricultural Education	VSU	Graduated	Competency and Professionalism of Administrators of State Universities and their Relation to Organization Effectiveness
474	VIII	Agnila, Ruby H.	OPA, Tacloban City	Agriculture and Fisheries	EVSU	Graduated	
475	VIII	Alde, Martins	DA-RFU, Tacloban City	Rural Development Administration	EVSU	Graduated	An Evaluation on th Performance of the Agriculture and Fishery Councils in the Province of Biliran
476	VIII	Amante, Jeanjit S.	PAO, Tacloban City	Management	EVSU	Graduated	A Community Partnership with Barangay 102, Old Kawayan: The Community Driven Development Approach
477	VIII	Amercin, Romel B.	VSU, Visca, Baybay, Leyte	Agriculture and Fisheries		Graduated	Soil Fertility and Land Suitability Assessment of the Different Abaca Growing Areas in Leyte, Philippines
478	VIII	Cabague, Gaudioso	ATI, Leyte	Business Management	VSU	On Going	
479	VIII	Cebu, Emilio H.	OPA Catbalogan, Samar	Technology Management	SSU	Graduated	
480	VIII	Conejos, Leodelyn A.	BFAR-RFTC, Cabalogan, Samar	Rural Development	EVSU	Graduated	A Community Partnership with Barangay 102, Old Kawayan: The Community Driven Development Approach
481	VIII	Elafico, Manuel D.	NSU Biliran Campus, Biliran	Agricultural Education	VSU	Graduated	Stakeholders' Competence Level in the Implementation of the Strengthened Technical-Vocational Education Program in Biliran Province
482	VIII	Elorde, Leo R	NSU Biliran Campus, Biliran	Agricultural Development	VSU	For Refund	
483	VIII	Gabrillo, Christina A.	VSU, Visca, Baybay, Leyte	Development Communication	UPLB	Graduated	Access and Utilization of Selected ICT-Mediated Rice Technologies among Farmers and Agricultural Extension Workers in NorthEastern Mindanao, Philippines
484	VIII	Josol, Josefina J.	LGU Carigara, Leyte	Rural Development	EVSU	Graduated	A Community Partnership with Barangay 102, Old Kawayan: The Community Driven Development Approach
485	VIII	Labaciado, Lucela M.	PAO, Tacloban City	Rural Development	EVSU	Graduated	A Community Partnership with Barangay 102, Old Kawayan: The Community Driven Development Approach

486	VIII	Miro, Concepcion B.	OPA, Tacloban City	Horticulture	VSU	Graduated	Propagation of Jackfruit (<i>Artocarpus heterophyllus</i> Lam) var. EVIARC Sweet Through Tissue Culture
487	VIII	Moreno, Luz O.	VSU, Visca, Baybay, Leyte	Agriculture and Fisheries	UPLB	Graduated	Fiber Morphology and Recovery, Chemical Composition and Pulp Properties of Abaca (<i>Musa Textilis</i> Nee) CV. Inosa Harvested at Different Stages of Stalk Maturity
488	VIII	Navales, Jessica B.	Mayorga, Leyte	Agriculture and Fisheries	EVSU	Graduated	Management of burrowing nematode, <i>Radopholus similis</i> and wilt fungus, <i>Fusarium oxysporum</i> f. sp. <i>Cubense</i> in banana, <i>Musa acuminata</i>
489	VIII	Oclarit, Elvira	VSU, Visca, Baybay, Leyte	Plant Pathology	UPLB	Graduated	
490	VIII	Paquiz, Melanie C.	NSU Biliran Campus, Biliran	Agricultural Development	VSU	Graduated	
491	VIII	Pastoril, Rainero M.	OPA, Tacloban City	Agriculture and Fisheries	EVSU	Graduated	
492	VIII	Ramos, Arsenio D.	VSU, Baybay, Leyte	Horticulture	VSU	Graduated	Physiology and Morphology of Regrowth in Rejuvenated Coffee (<i>Coffea arabica</i> L.) in Response to Paclobutrazol Pretreatment
493	VIII	Ratilla, Berta	VSU, Visca, Baybay, Leyte	Agronomy		Graduated	Resource Use, enegetics and Sensory Quality of Lowland Rice Genotypes Given Various Nutrient Sources, Quantum enhancers and Water Management
494	VIII	Sabido, Marcos A.	CAO, Calbayog City	Aquaculture		Graduated	
495	VIII	Severo, Ricardo T. Jr.	SSU, Catbalogan City	Educational Management	SSU	Graduated	Assessment of Community-Based Coastal Resource Management Programs in Samar: Inputs to an Integrated Coastal Resource Management (ICRM) Plan
496	VIII	Sultan, Nenifa G.	OPA, Tacloban City	Agriculture and Fisheries	LNU	Graduated	An Evaluation of the Techno Gabay Program (TGP) Implementers
497	IX	Ando, Donald	Quedancor	Agriculture and Fisheries	JRMSU	For Refund	
498	IX	Aying, Ana S.	RFU IX	Agriculture	JRMSU	For Refund	
499	IX	Barrot, Lalaine	LGU	Farming System	JRMSU	Graduated	Sweet Corn Intercropped with Watermelon Applied with Bokashi Compost at Varied Frequencies and Levels
500	IX	Beduya, Reynaldo	ATI	Agriculture	JRMSU	For Refund	

501	IX	Berondo, Jonah	Quedancor	Agriculture	JRMSU	Graduated	Growth Performance of Lettuce Using Different Culture Medium
502	IX	Buot, Oscar Victor D.	ATI	Agriculture	JRMSU	Graduated	Soil Fertility Utilizing Minus One Element Technique: Basis for Fertilizer Recommendation in Rice Production
503	IX	Candelasa, Geraldo	LGU	Agriculture	JRMSU	Graduated	Farmer Clustering on Hybrid Corn Basis for Policy Formulation
504	IX	Canoy, Lourdes T.	LGU	Rural Development	JRMSU	Graduated	Effectiveness of the Poverty Alleviation Approaches: Basis for Implementing Multi-Development Programs
505	IX	Dagatan, Dionesdes	PCA, Pagadian City	Agricultural Development	JRMSU	For Refund	
506	IX	Dagaylo-an, Alfred Mel	LGU	Agriculture	JRMSU	Graduated	Efficacy of Botanical Acaricides in the Treatment of Dog Ticks
507	IX	Dico, Nelba P.	LGU, Dumungag, ZDS	Agricultural Extension	JHCSC	Graduated	Impact of extension Services and Capability Building Program in Dumungag, Zamboanga del Sur
508	IX	Donde, Nimfa Y.	LGU	Agriculture	JRMSU	Graduated	Decomposition Period and Yield in African Night Crawler (Eudrilus eugeniae) Using different substrates in Dinas, Zamboanga Del Sur
509	IX	Duterter Jr., Bonifacio	LGU, Zamboanga	Aquaculture Technology	ZSCMST	Graduated	Growth Performance of Kappaphycus alvarezii in Cylindrical Cage Using Monoline Floating Farming Method in Tamil, Juse Dalman, Zamboanga Del Norte
510	IX	Ebillo, Anedem P.	LGU	Public Administration	JRMSU	Graduated	Strategies and Approaches in Poverty Alleviation Among Rural Households in Zamboanga del Sur
511	IX	Egay, Peter	LGU	Agriculture	JRMSU	Graduated	Certified Seeds vis-à-vis Productivity among Rice Farmers in Zamboanga del Norte
512	IX	Elemento, Danilo	RFU IX	Agriculture and Fisheries	JRMSU	Graduated	The Pambansang Mannalon-Mag-uuma-Magbabaul-Magasaka ng Pilipinas Development Program in Region IX: Status and Prospects
513	IX	Empeynado, Susan	LGU	Agriculture	JRMSU	Graduated	Efficiency in the Implementation of the Farmers Field School (Palaycheck System) in the Province of Zamboanga del Norte
514	IX	Galicia, Joseleo	RFU IX	Agriculture	JRMSU	Graduated	Impact of Gawad Saka Winners to the Productivity among Farmers in Zamboanga del Norte

515	IX	Ganta, Michael S.	LGU	Agriculture and Fisheries	JRMSU	For Refund	Implementation of the 4-H Club in Zamboanga del Norte: Basis for Sustainable Development Program
516	IX	Icao, Bernadette	LGU	Agriculture	JRMSU	Graduated	Impact of Production Loan to Farmer Beneficiaries under Agro-Industrial Modernization Credit and Financing Program
517	IX	Imperial, Rodolfo	Quedancor	Agriculture	JRMSU	On Going	Assessment of Odorless Swine Production in Zamboanga Peninsula
518	IX	Jumawan, Neddie M.	ATI	Rural Management	JRMSU	Graduated	Sustainable Agriculture Program Towards Poverty Alleviation in Zamboanga del Sur
519	IX	Laput, Diolindo L.	LGU, Pinan, ZDN	Agricultural Development	JHCSC	Graduated	Fertilizer Management on Selected High Value Vegetables under Greenhouse Cultivation
520	IX	Larubis, Carlito	RFU IX	Public Administration	JRMSU	Graduated	Implementation of Various GMA Banner Programs under Hunger Mitigation in the Province of Zamboanga del Norte
521	IX	Lozada, Norma J.	LGU	Agriculture	JRMSU	Graduated	Implementation of the Rural Improvement Club in Zamboanga del Norte: Basis for Government Funding Enhancement Program
522	IX	Lumat, Teodora T.	LGU	Agriculture	JRMSU	Graduated	
523	IX	Magallanes, Ofelia	LGU	Agriculture	JRMSU	Graduated	
524	IX	Mahinay Elynn M.	LGU	Agriculture	JRMSU	On Going	
525	IX	Mandawe, Dionisia C.	LGU	Agriculture	JRMSU	For Refund	
526	IX	Maneja, Kent A.	LGU, Molave, ZDS	Agricultural Development	JHCSC	Graduated	Assessment on the Adoption of Hole-Method of Organic Cassava Farming in District 1 of Zamboanga del Sur
527	IX	Manupac, Gianipa	RFU IX	Agricultural Extension	JRMSU	Graduated	An Impact Evaluation on the University On-The-Air Program of the Department of Agriculture to Farmers' Farming Practices in Region IX CY 2005-2009
528	IX	Molijon, Anita L.	ATI, Pagadian City	Agriculture and Fisheries	MUST-CDO	Graduated	
529	IX	Nahul, Ahmad	RFU IX	Agriculture	JRMSU	On Going	
530	IX	Olanas, Elmer M.	LGU, Molave, ZDS	Animal Science	JHCSC	Graduated	Assessment on the Adoption of PalayCheck system in the Province of Zamboanga del Sur
531	IX	Ordiz, Arleene P.	RFU IX	Agriculture and Fisheries	JRMSU	For Refund	
532	IX	Pabuaya, Myrna F.	LGU	Agronomy	Iloilo State College of Fisheries	Graduated	High Value Commercial Crops and Vegetable Commercialization: Their Effect to the Socio-Economic Status of the Beneficiaries in Zamboanga del Norte

533	IX	Pillar, Virgilio O.	LGU	Agricultural Development	JRMSU	Graduated	Evaluation of Coastal Resource Management in Illana Bay
534	IX	Porlas, Kerr N.	LGU	Agriculture	JRMSU	Graduated	Impact of Hybrid Rice Production to Farmer Beneficiaries in Region IX
535	IX	Quilo, Annaliza	RFU IX	Agriculture	JRMSU	Graduated	Decomposing Enhancers on Organic Composting as Alternative Source of Fertilizer
536	IX	Ramos, Dominga B.	LGU	Public Administration	JRMSU	Graduated	Agri-Business Venture among Pantawid Pamilyang Pilipino Program (4PS) in Molave, Zamboanga del Sur
537	IX	Regencia, Merlie G.	LGU	Agriculture	JRMSU	Graduated	Germination and Growth Performance of Locally Produced Certified Seeds using Vermicast
538	IX	Rodriguez, Erwin	RFU IX	Agriculture	JRMSU	On Going	The Barangay Bagsakan in Region IX: An Assessment
539	IX	Rodriguez, Ruffy Jhon	Quedancor	Agriculture	JRMSU	For Refund	
540	IX	Sali-Edding, Sukrina L.	RFU IX	Agricultural Development	JRMSU	For Refund	
541	IX	Saludo, Girlie R.	RFU IX	Agricultural Development	JRMSU	Graduated	Women Empowerment for Sustainable Rural Development
542	IX	Segundo, Julio A.	LGU	Agriculture and Fisheries	JRMSU	For Refund	
543	IX	Semine, Jesus C.	MAO, Dumingag, ZDS	Agricultural Development	JHCSC	Graduated	Impact of Sustainable Organic Agriculture in Salug Valley Area Zamboanga del Sur
544	IX	Soria, Rowena R.	LGU	Agriculture	JRMSU	On Going	
545	IX	Sulay, Darwin Lloyd D.	RFU IX	Public Administration	JRMSU	On Going	Capacity Building Initiatives for Livestock Production in Rural Communities in Zamboanga del Sur
546	IX	Sulay, Leonora L.	LGU	Agriculture and Fisheries	JRMSU	On Going	
547	IX	Tabal, Elderico P.	OCA, Zamboanga City	Agronomy	WMSU	Graduated	Enriched Mechanically Accelerated Compost (EMAC) on the Growth Response of Banana Seedlings (Var. LAKATAN)
548	IX	Templa, Arcele P.	RFU IX	Public Administration	JRMSU	Graduated	Banana Production Systems Among Farmgrowers in Didipita, Zamboanga del Sur
549	IX	Tenorio, Annie C.	LGU	Rural Management	MSU	On Going	
550	IX	Vito, Miriam Lopez	f	Agriculture and Fisheries	JRMSU	For Refund	
551	IX	Zacal, Arlene L.	PVO, Pagadian	Agricultural Development	ISCoF	Graduated	Empowerment of Rural Women in Zamboanga del Sur

552	IX	Zamora, Charlen V.	LGU	Agronomy	JRMSU	Graduated	Level of Adoption of Farm Mechanization by Corn Farmers in Zamboanga Peninsula, 2006-2010
553	X	Abarido, Liza L.	MAO, Manolo F., Bukidnon	Agriculture and Fisheries	MOSCAT	Graduated	Utilization of Wild Sunflower (<i>Tithonia diversifolia</i>) and Madre
554	X	Al-ag, Sweetheart M.	LGU/Don Victoriano, Mis. Occ.	Farming System	MSU-LNAC	Graduated	Performance of Sweet Sixteen Watermelon as Influenced by Different Organic Mulching Materials and Fertilizers
555	X	Alcantara, Charry G.	MOSCAT, Claveria, Misamis Oriental	Agricultural Science and Technology	MOSCAT	Graduated	Response of Sweet Corn (<i>Zea mays</i> var. rugosa) to Drip Fertigation in Varying Levels in Nitrogen Fertilizer
556	X	Almogela, Baby Jane	LGU-Kauswagan, Lanao del Norte	Farming System	LNAC	Graduated	The Response of Sweet Corn Intercropped with Peanut Applied with Varied Organic Fertilizers at Different Levels Under Four-Year Old Coconut Trees
557	X	Amanduron, Fermin, Jr.	LGU - Quezon, Bukidnon	Agriculture and Fisheries	CMU	Graduated	Food Security Among Land Lessors in Southern Bukidnon
558	X	Ambos, Neptali C.	Lantapan, Bukidnon	Agriculture and Fisheries	CMU	Graduated	Effectiveness of Agricultural Training Institute (ATI) e-Learning Courses on Technology Adoption and Productivity of Graduates
559	X	Baguinang, Jenifer N.	LGU-Claveria, Misamis Oriental	Rural Development	MOSCAT	Graduated	Efficacy of Different Indigenous Attractants with Traps at Varying Placement Distances on Sweet Pepper (<i>Capsicum annum</i> L.)
560	X	Barros, Liezel V.	LGU-Baungon, Bukidnon	Agricultural Science and Technology	MOSCAT	Graduated	Growth Performance of Broiler chickens Fed with Banana (<i>Musa acuminata</i>) Meal Rejects with and without Peelings substituted to yellow corn
561	X	Bashier, Safar	LGU-SND, Lanao del Norte	Farming System	MSU	Graduated	Growth and Yield Performance of Sweet Corn Intercropped with Mungbean Applied with Different Levels of Vermicast and Frequencies of Cultivation
562	X	Bayotlang, Pedro	LGU-Valencia City, Bukidnon	Farming System	CMU	Graduated	Effectiveness of Inland Freshwater Fish Dispersal Support Services on Household Food Security Among Fisherfolks in Bukidnon
563	X	Bercero, Digno II M.	RFU, CDO	Environmental Science	MSU-IIT	Graduated	Assessment of the Performance of Selected Compost Enhancers in the Decomposition of Household Wastes Urban Farming
564	X	Bianito, Jonah L.	LGU-Tubod, Lanao del Norte	Animal Science	LDN	Graduated	Growth Performance of Chickens Fed with Commercial Ration Mixed with Different Levels of Dry and Fresh "Gozo"

565	X	Bongcayao, Maynard	LGU-Oroquieta City	Agriculture	MSU	Graduated	Performance of Sweet Corn Intercropped with Sweet 16 Watermelon applied with Different mulching materials and varied levels of durabloom biofertilizer
566	X	Cahayagan, Elaine	LGU-Claveria, Misamis Oriental	Agricultural Science and Technology	MOSCAT	Graduated	Efficacy of Indigenous Purgatives at Different Levels on Calves in Claveria, Misamis Oriental
567	X	Cardines, Julius Z.	LGU-Claveria, Misamis Oriental	Animal Science	MOSCAT	Graduated	The influence of Coconut Water at Different Levels on the Growth Performance and Meat Quality of Broilers
568	X	Casiño, Jr., Ruthelio G.	OPA, Misamis Oriental	Animal Production	MOSCAT	Graduated	Growth Performance and Meat Quality of Broilers Fed with Different Levels of Lignocellulose with and without Probiotics
569	X	Dalangan, Connie	CAO, Valencia, Bukidnon	Agriculture and Fisheries	CMU	For Refund	
570	X	Dominguez, Merlie A.	LGU, Sinacaban, Mis. Occ.	Farming System	MSU-LINAC	Graduated	Performance of Upland Rice (NSIC Rc9) as Influenced by Different Organic Fertilizers and Planting Distances
571	X	Dumaloan, Pat F.	LGU-Claveria, Misamis Oriental	Agricultural Science and Technology	MOSCAT	Graduated	Efficacy of Balanced Fertilization on Corn (Zea mays L.) in Relation to Carbon Sequestration under Mid Elevation
572	X	Emata, Jungie H.	LGU-Malitbog, Bukidnon	Agricultural Science and Technology	MOSCAT	Graduated	Efficacy of Indigenous Purgatives at Different Dosages on Goats in the Municipality of Malitbog, Bukidnon
573	X	Esto, Jr. Clementino	LGU-Valencia City, Bukidnon	Agricultural Extension	CMU	Graduated	Effectiveness of Rice Seed Subsidy Program on Household Food Security Among Rice Farmers in the Cities of Valencia and Malaybalay, Bukidnon
574	X	Flores, Maridith A.	DA-NOMIARC	Agronomy	CMU	Graduated	Performance of Lowland Hybrid Rice at Different Levels of Bio-N and Inorganic Nitrogen Fertilizer
575	X	Gabutin, Ma Luisa	LGU-Kapatagan, Lanao del Norte	Farming System	LDN	Graduated	Productivity Enhancement of Glutinous Corn Intercropped with Watermelon Applied with Vermit Tea at Different Levels and Frequencies
576	X	Galagar, Cerena B.	CPSC, Camiguin	Agriculture and Fisheries	CMU	Graduated	Ecology and Management of Lepidopterous Bark Borers infesting Lanzones (Lansium domesticum Correa) in Camiguin Island, Northern Mindanao

577	X	Gallano, Ranilo J.	LGU, Maramag, Bukidnon	Agricultural Extension	CMU	Graduated	Effectiveness of Integrated Rice Duck Farming System (IRDFS) in Attaining Food Security and Environmental Safety Among Farmers in Bukidnon
578	X	Gayloa, Eutropio B.	MAO, Claveria, Mis. Or.	Agriculture	MOSCAT	Graduated	Physiological and Agronomic Performance of Upland Rice (Oryza sativa L.) Varieties Applied with Bio-N and Vermicast and its Combination
579	X	Hanafi, Dearlee P.	LGU-Tangkal, Lanao del Norte	Agricultural Extension	CMU	Graduated	Identification and Control of White Grub Species (Coleoptera: Scarabaeidae) in Pineapple (Ananas comosus (L.) Merr)
580	X	Hebron, Imelda U.	MOSCAT, Claveria, Misamis Oriental	Agriculture and Fisheries	CMU	Graduated	Production Performance and Small Ruminant Productivity of Philippine- New Zealand Dairy Project (PNZDP) - Introduced Forages
581	X	Inocencio, Ronilo C.	CAO, Malaybalay, Bukidnon	Horticulture	CMU	Graduated	In Vitro Regeneration of Three Banana (Musa spp.) Cultivars in Response to Level of Benzyl Amino Purine (BAP)
582	X	Libante, Ermet	PAO, Malaybalay, Bukidnon	Agricultural extension	CMU	Graduated	Effectiveness of Garden for Go, Grow and Glow (G4) Program among Rural Households in Bukidnon Crops: Rice/Vegetable
583	X	Macabugto, Anita S.	LGU- Cabanglasan, Bukidnon	Agricultural Education	CMU	Graduated	Palaycheck Farmers Field School: An Effective Extension Approach to Rice Self Sufficiency Program in Bukidnon, Philippines
584	X	Madrio, Luz T.	LGU, Aloran, Mis. Or.	Farming System	MSU-LINAC	Graduated	Performance of Sweet Sixteen Watermelon as Influenced by Different Organic Mulching Materials and Fertilizers
585	X	Miasco, Bernido P.	LGU- Lantapan, Bukidnon	Agricultural Extension	CMU	Graduated	Economic and Environmental Impact of Banana Plantations in Northern Bukidnon
586	X	Nacaya, Charlie	LGU-PAO- Misamis Oriental	Agricultural Science and Technology	MOSCAT	Graduated	Ripening and Quality of Selected High Value Fruits in Response to Varying Levels of Ethephon Applications and Storage Conditions
587	X	Napinas, Pinky O.	LGU- Malitbog, Bukidnon	Agricultural Science and Technology	MOSCAT	Graduated	Response of Selected Lowland Rice (Oryza sativa) Varieties on Different Nutrient Management under Malitbog, Bukidnon condition
588	X	Obre, Liliane A.	LGU- Malaybalay	Agricultural Engineering	CMU	Graduated	The Impact of Crop Management Practices of Irrigated Farmers on Rice Self-Sufficiency in Bukidnon
589	X	Orillo, Edgar S.	MAO, San Fernando, Bukidnon	Agriculture and Fisheries	CMU	On Going	

590	X	Pabellan, Rodulfo Jr.	LGU-Kinoguitan, Misamis Oriental	Agricultural Science and Technology	MOSCAT	Graduated	Efficacy of Varying Levels and Brewed Potency of Vermi-Tea Application on the Growth and Yield of Eggplant (<i>Solanum melongena</i> L.)
591	X	Pace, Chyrellyn A.	PCA - 10, Cagayan de Oro City	Entomology	CMU	Graduated	Dynamics of Entomophagous Arthropod Population on Coconut and Biology of Potential Biocontrol Agent Against <i>Bronitispa longissima</i> Gestro in Selected Areas of Bukidnon and Misamis Oriental
592	X	Pagobo, Gennis	DAR-Mis. Or., Cagayan de Oro City	Agricultural Science and Technology	MOSCAT	Graduated	Influence of Varying Tapping Times and Tapping Frequencies on the Latex Yield of Rubber (<i>Hevea brasiliensis</i>) Under Claveria Condition
593	X	Pakig-angay, Neil S.	LGU-Lala, Lanao del Norte	Farming System	LDN	Graduated	The Potentials of Radish Intercropped with Mungbean Under Varied Solutions of Aerated Vermi Tea Applied at Different Frequencies
594	X	Para, Helen B.	DA-NMIS 10, Cagayan de Oro City	Agricultural Education	CMU	Graduated	Food Safety Management System in Accredited Meat Establishments in Northern Mindanao
595	X	Piti-Ilan, Jalandoni	LGU-OPAG-Lanao del Norte	Farming System	MSU-LNAC	Graduated	The Response of Narrow Strip Planting of Glutinous Corn (<i>Zea mays</i> , Ceratina) and Stringbeans (<i>Vigna sinensis</i> var. <i>sesquipedalis</i>) Fertilized with Organic, Inorganic and of Combination
596	X	Polifud, Eric Randy R.	MOSCAT, Claveria, Misamis Oriental	Crop Science	CMU	Graduated	Growth, Yield and Chemo-Nutritional Composition of Stevia (<i>Stevia rebaudiana</i> Bert.) in Response to Methods of Clonal Propagation and Growth Media
597	X	Rafisura, Beaulah Grace	LGU-Kitaaotao, Bukidnon	Agriculture and Fisheries	CMU	Graduated	Effectiveness of Freshwater Aquaculture Technology Transfer Program on Poverty Alleviation Among the Fisheries in Bukidnon
598	X	Ravelo, Emma C.	PAO, Malaybalay, Bukidnon	Agricultural Extension	CMU	Graduated	Competencies, Organizational Commitment and Job Performance of Agricultural Extension Workers: Implications for Human Resource Development
599	X	Rupinta, Antonia	LGU-Pangantuncan, Bukidnon	Agricultural Extension	CMU	Graduated	Effectiveness of Rural Improvement Club Programs among Women in Pangantuan, Bukidnon
600	X	Salva, Agripino	LGU-Baungon, Bukidnon	Agricultural Science and Technology	MOSCAT	Graduated	Drought Response of Organically-Grown Upland Rice (<i>Oryza sativa</i> L.) Varieties under Rainshelter Condition

601	X	Sangcopan, Sana A.	LGU-Salvador, Lanao del Norte	Farming System	LDN	Graduated	Performance of Glutinous Corn Intercropped with Mungbean Applied with Different Organic Liquid Fertilizer and Planting Distances
602	X	Saraos, Generosa B.	LGU-Danggagan, Bukidnon	Agricultural Extension	CMU	Graduated	The Impact of Quarantine Stations on Livestock Production in Southern Bukidnon
603	X	Simacon, Jr. Rufino E.	LGU-Claveria, Misamis Oriental	Crop Science	MOSCAT	Graduated	Efficacy of Balance Fertilization on Corn (Zea mays L.) in Relation to Carbon Sequestration under Low Elevation
604	X	Soria, Kristina P.	LGU-Lantapan, Bukidnon	Agricultural Extension	CMU	Graduated	Impact of High Value Commercial Crop - Vegetable Production on the Nutritional Status of Upland Farmers in Lantapan, Bukidnon
605	X	Tabacon, Rebecca	LGU-Lala, Lanao del Norte	Farming System	MSU	Graduated	The Response of Peanut Intercropped with Green Onion to the Different Levels of Vermicast and Frequencies of Application
606	X	Tugano, Nylvyn T.	OCA, Ozamis City	Farming System	MSU-LNAC	Graduated	The Performance of Ampalaya to Varied Organic Fertilizers and Indigenous Insect Pests Control
607	X	Turan, Maria Lilith M.	PAO, Malaybalay, Bukidnon	Agricultural Extension	CMU	Graduated	Values Orientation and Job Performance of Agricultural Extension Workers in the Province of Bukidnon
608	X	Vicente, Jessica A.	Balingasag, Misamis Oriental	Agriculture	MOSCAT	Graduated	Response of Bitter Gourd (Momordica charantia) to varying leels of Chicken Dung and NFT Concoctions
609	X	Villamil, Edwin B.	MAO, Claveria, Mis. Or.	Agriculture	MOSCAT	Graduated	Physiological and Agronomic Responses of Corn (Zea mays L.) Applied with different Levels of Nitrogen Plus Bio-N Under Cassava
610	X	Viovicente, Marites	LGU-PVO - Tubod, Lanao del Norte	Animal Science	MSU-LNAC	Graduated	Growth Performance of "Cobb" Broilers Fed with Commercial Ration Mixed with Different Levels of Cassava (Manihot esculenta) Leaf Meal and Dietary Stone Grit Inclusion
611	X	Yecyec, Pepe I.	LGU, Claveria, Misamis Oriental	Animal Production	MOSCAT	Graduated	Growth Performance and Meat Quality of Broilers Fed with Different Sources of Lignocellulose with and without Probiotics
612	XI	Abling, Roberto R.	RFU XI	Agriculture	USEP	Graduated	Screening of Legume Species for Total Mixed Ration as Ruminant Feed
613	XI	Aguanta, Lauro M.	LGU, Gov. Gen. Davao. Or.	Extension Education	USEP	Graduated	Effectiveness of Palaycheck systems as an Extension Model Among Rice Farmers in selected Municipalities of Davao Oriental

614	XI	Agullo, Teresita B.	PAGRO, ComVal	Agricultural Engineering	USEP	For Refund	Management Practices and Organizational of SouthEastern Philippines (USEP), Apokon Campus, Tagum City
615	XI	Alcoser, Joel T.	FIDA, Davao City	Extension Education	USEP	Graduated	The Percieved Leadership Styles Of The Municipal Agricultural Officers Of City Agriculturist Office In Davao City
616	XI	Almador, Pablita	CAO, Davao City	Extension Education	USEP	Graduated	Performance of Upgraded Goats (A.Nubian X Boer X Native) Fed with Varying Levels of Harvested Cavendish Banana Bracts with Molasses
617	XI	Anay, Samuel N.	LGU, Pandabo City	Animal Science	USEP	Graduated	Service Delivery Characteristics and Total Quality Management Practices of Davao del Sur Provincial Agriculture Office: Basis for Total Quality Management Framework
618	XI	Andrade, Reynante T.	LGU, Davao del Sur	Extension Education	USEP	Graduated	The Influence of Different Concentrations of Benzyl Amino Purine Applied to Brown and Green Budding of PB 260 And RRM 600 Rubber Clones (Hevea brasiliensis Muelf, Arg) Under Nursery Condition
619	XI	Anter, Jaime D.	PAGRO, ComVal	Horticulture	USEP	Graduated	Crop-Livestock Farming System For Sustainable Economic Empowerment For Small-Scale And Emerging Farmer: The Case Of Compostella Valley Province
620	XI	Aparece, Ariel L.	DNAS, ComVal	Extension Education	USEP	Graduated	
621	XI	Ariola, Joey T.	LGU, Dujali, Davao N.	Animal Science	USEP	For Refund	
622	XI	Attos, Rondo S.	MAO, Cateel	Agriculture and Fisheries	USEP	For Refund	
623	XI	Auxillo, Marvin S.	CAO, Davao City	Extension Education	USEP	Graduated	Climate Change and Food Production among smallholder farmers: The case of Marilog District, Davao City
624	XI	Balico, Joemen B.	LGU, Maragusan, ComVal	Crop Science	USEP	Graduated	Diversity and Abundance of Arthropods in Cabbage Grown Under Conventional and Natural Test Management Systems Under Maragusan, Comval Condition
625	XI	Bangoy, Renilda T	PAO, Tagum, Davao	Agriculture	USEP	Graduated	Effects of Different Levels of Vermicompost on the Growth and Rooting Performance of 'Robusta' Coffee Plagiotropic Cuttings Treated with Vermi Tea and Humic Acid Under Nursery Condition

626	XI	Barte, Agnes S.	CAO, Davao City	Extension Education	USEP	Graduated	An Assessment of the 4-H Youth Development program in Davao City
627	XI	Bayo, Jasmin C	DA-RFU	Agriculture	USEP	For Refund	
628	XI	Bermejo, Renato	LGU, New Bataan, ComVal	Extension Education	USEP	Graduated	Assessment on the Influence of Farmers Field School to the Practices and Income of Cacao Farmers in Compostella Valley
629	XI	Besas, Ulysses P.	USP, Tagum	Horticulture	UPLB	Graduated	Biochemical and Physiological Changes in the Potassium Nitrate-Induced Release of Floral Bud Quiescence on Carabao Mango (Mangifera indica L.)
630	XI	Borbon, Annabelle L.	PAO, Tagum, Davao	Extension Education	USEP	Graduated	Profitability and Market Chain of Rice: The Case of Davao Del Norte
631	XI	Buates, Cecile G.	USEP, Tagum	Extension Education	USEP	Graduated	Effectiveness of Training Materials for Extension Programs as Perceived by Agricultural Extension Workers in Selected Local Government Units of Davao del Norte
632	XI	Bugawisan, Elenito P.	SPAMAST, Malita	Agriculture and Fisheries	VSU	Graduated	Production and Postharvest Performance of Strawberry (Fragaria x ananassa) Under Protected and Unprotected Type of Cultivation Using Different Potting Media and Number of Trifoliate Leaves
633	XI	Cabang, Pedro B., Jr.	CAO, Davao City	Agriculture	USEP	Graduated	Production Status of the Commercial Swine Industry in Davao Region
634	XI	Cabatbat, Fermina	DA-RFU	Extension Education	USEP	Graduated	Effects of Different Mulching Materials to the Population, Dynamics, diversity and Management of Anthropod Pests and Weeds in Tomato
635	XI	Calimpong, Ronald B.	LGU, Montevista, ComVal	Extension Education	USEP	For Refund	
636	XI	Cayme, Mandalo S.	PAGRO, ComVal	Agriculture	USEP	Graduated	Botanical Extracts for the Control of Eggplant Fruit and Shoot Borer (Leucinodes orbonalis Guenee)
637	XI	Constantino, Mari Ann M.	RFU, Davao City	Agribusiness Management	SP	Graduated	Assessment of Dairy Goat Development Program in Region XI
638	XI	Crispino, Ferdinand L.	PAO, Digos City	Business Management	SPAMAST	Graduated	Supply Chain Analysis of High Valued Vegetables in key producing areas in Davao Del Sur

639	XI	Dagpin, Judith G.	MAO, Lupon	Extension Education	USEP	Graduated	Impact Assessment of Diversified Farming System (DFS) Implemented by the Upland Development Programme (UDP) in Five (5) Upland Barangays in the Municipality of Lupon, Davao Oriental
640	XI	Dalisay, Christopher S.	PAO, Davao N.	Ag. Engineering	USEP	For Refund	Factors Affecting Sustainability of Barangay Food Terminal (BFT) Project in Third District of Davao City
641	XI	Danac, James Arly A.	CAO, Davao City	Agriculture and Fisheries	USEP	Graduated	The Response of Open-Pollinated Corn Varieties on the Varying Rate of Organic Fertilizer (vermicast) Application
642	XI	Daquiz, Ciriaco G. Jr.	PAGRO, ComVal	Agriculture	USEP	Graduated	Performance of Irrigated Lowland Rice (Oryza sativa) Production under Different Irrigation Techniques in Sto. Tomas, Davao del Norte
643	XI	Degorio, Elmer B.	LGU, Sto. Tomas, Davao N.	Land and Water Management	USEP	Graduated	
644	XI	Del Pilar, Arnold C.	PAGRO, ComVal	Agricultural Engineering	USEP	For Refund	
645	XI	Dumingsel, Helen G.	Mabini	Extension Education	USEP	Graduated	Socio-Economic Impact of 4-H Club Programs In Selected Municipalities in the Second District of Compostela Valleje Province
646	XI	Edjic, Christopher	LGU, Monkayo, ComVal	Horticulture	USEP	Graduated	Response of Rubber (Hevea brasiliensis Muell.Arg.) Seedling to Vermicompost, Vermitea and Heading back under Polybag Nursery Condition
647	XI	Edradan, Vilma L.	LGU, Sto. Tomas, Davao N.	Extension Education	USEP	Graduated	Participation of Women in the Socio-Economic Development of the Second Congressional District of Davao del Norte
648	XI	Empanado, Ruben A. Jr.	LGU, Sto. Tomas, Davao N.	Agriculture	USEP	Graduated	Potential Effects of the Varying Levels of Vermicast Against Fusariums Wilt of "Cavendish" Banana (MUSA CAVENDISH)
649	XI	Escobar, Lorna M.	LGU, Davao del Norte	Extension Education	USEP	Graduated	Factors Associated with the Adoption and Effectiveness of Palaycheck System Among Farmers within Three Rice Producing Municipalities in the Second District of Davao del Norte
650	XI	Esconde, Rowina T.	LGU, San Isidro, Davao Or.	Agriculture and Fisheries	USEP	Graduated	Rooting Response of Cacao (Theobroma cacao L.) Plagiotropic Cuttings to Different Soaking Time and Concentration Levels of Alpha Naphthalene Acetic Acid (ANAA)
651	XI	Fernandez, Rodolfo	LGU, Sta. Maria, Davao Sur	Agribusiness Development	SP	Graduated	Supply Chain of Cacao in Selected Municipalities in Davao Del Sur

652	XI	Fullozo, Cristy P.	PAO, Davao N.	Crop Science	USEP	Graduated	Effect of Vermiculture Technologies on Major Insect Pests and Beneficial Arthropods of Corn (Zea mays) and Eggplant (Solanum melongena L.)
653	XI	Galvez, Glen L.	DNAS, ComVal	Extension Education	USEP	Graduated	Value Chain Analysis of Vegetable: The Case of Compostela Valley Province
654	XI	Garcia, Reynilo D.	USEP-Davao City	Dev't Research Administration	USEP	Graduated	Technical Efficiency of FITS Centers and its Impact to Rice Production of Farmers in Region XI
655	XI	Gatus, Olivia D.	ATI, Pandbo City	Extension Education	USEP	Graduated	Adoption Rate of Farmers Field School-Palaycheck System and Rice Yield Among Farmers in Davao del Sur
656	XI	Gecale, Evelyn A.	USEP-Davao City	Agriculture and Fisheries	USEP	Graduated	Dimensions of Research and Development Management in Agriculture, Aquatic and Natural Resources in Davao Region
657	XI	Gonzaga, Julie T.	LGU, Sto. Tomas, Davao N.	Extension Education	USEP	For Refund	
658	XI	Haspe, Edgardo A.	CAO, Davao City	Environmental Science and Management	USEP	Graduated	Forecasting the Adoption of Organic Farming in Davao City
659	XI	Ito, Ricardo R.	MAO, Sta. Cruz	Environmental Management	USEP-DC	Graduated	Carbon Stock Assessment of Small Hold Rubber Farm Project in Santa Cruz, Davao del Sur
660	XI	Jaca, Roy A.	CAO, Davao City	Agriculture and Fisheries	USEP	Graduated	The Participation of Women in Corn Production in Davao City
661	XI	Jimenez, Evangeline C.	ATI, Pandbo City	Extension Education	USEP	Graduated	Impact Assessment of Agricultural Training Institute (ATI) in Region XI on the Training of Trainers on the Performance of Agricultural Technician's in Rice Production
662	XI	Jubane, Victoria B.	LGU, Montevista, ComVal	Horticulture	USEP	Graduated	Performance of Breadfruit (Artocarpus altilis Parkinson Fosberg) Root Cuttings on different Growing Media and Fertilization under Nursery condition
663	XI	Libres, Margarito M.	MAO, Com. Val.	Horticulture	USEP	Graduated	Growth and Survival of Coconut Sprouts/Seedling Shoots as Affected by Potting Media and size of Sprouts Treated with Alpha-Naphthalene Acetic Acid under Nursery Condition
664	XI	Lico, Norelyn D.	LGU, Montevista, ComVal	Extension Education	USEP	Graduated	Impact Assessment of Mindanao Rural Development Program Community Fund for Agricultural Development (MRDP) CFAD to the Program Beneficiaries of Montevista, Comval, Province

665	XI	Limbaga, Cesar A.	SPAMAST, Digos City	Horticulture	VSU	Graduated	Horticultural and Physiological Responses of Phycocolloid Fertilized Lettuce (Lactuca sativa L.) Grown Under Protected and Conventional Cultivation System
666	XI	Lingatong Jr., Ramon M.	CAO, Davao City	Extension Education	USEP	Graduated	Technical and Allocative Efficiency of Corn Farmers in Davao City
667	XI	Lopez, Aurelio M.	PAGRO, ComVal	Crop Protection	USEP	Graduated	Performance of Open Pollinated Corn Varieties Against Corn Ear Rot in Maragusan Compostela Valley Province
668	XI	Magallones, Maria Odessa	DOSCST, Mafi	Agribusiness Management	DOSCST	Graduated	Supply Chain Analysis on Cacao in Davao Oriental
669	XI	Magdato, Fernando	USEP-Davao City	Extension Education	UPLB	Graduated	Farm Tourism Management Among Selected Providers in Mindanao, Philippines
670	XI	Malayan, Cristopher L.	LGU, Laak, ComVal	Crop Production	USEP	For Refund	
671	XI	Mandalo, Rommel B.	LGU, Mafi, Dvo. Or.	Agriculture and Fisheries	USP	Graduated	Adoption of Sustainable Cocoa Production Practices among Farmers Field School Graduates under "Success Alliance" Program in Mafi City, Davao Oriental
672	XI	Maravillas, Richard D.	SUC, Mafi, Davao Or	Animal Science	USEP	Graduated	Growth Performance of Broilers Fed with Homemade Diet Supplemented with Malunggay (Moringa oleifera Lam) Extract
673	XI	Mena, Ronald O.	LGU, Davao del Norte	Extension Education	USEP	Graduated	Mindanao Sustainable Settlement Area Development (MINSSAD) Agriculture-Component Project in the Province of Davao del Norte: Its Impact and Sustainability
674	XI	Mercado, Leliosa T.	SOSSCI, Tagbinu, SDS	Extension Education	USEP	Graduated	Adoption of Improved Rice Production Practices Among Farmers in Selected Municipalities of Surigao del Sur
675	XI	Mirafuentes, Marietta B.	CAO, Davao City	Agriculture	USEP	Graduated	The Effect of Vermicast of Different Substrate in the Performance and Growth of Cacao (Theobroma cacao) Seedlings
676	XI	Modesto, Teresita B.	USEP-Davao City	Extension Education	USEP	Graduated	Adoption Level and Technology Attributes of ICT Component of Open Academy for Philippine Agriculture Project in Cagangangan Cybercom, Banaybanay, Davao Oriental
677	XI	Molato, Mary Jane N.	MAGRO, BED	Extension Education	USEP	Graduated	Factors Affecting the Adoption and Sustainability of Practices Towards Organic Rice Farming in the Municipality of Braulio E. Dujali, Davao Del Norte
678	XI	Montepio, Ronald C.	PAO, Tagum, Davao	Agricultural Engineering	USEP	Graduated	Dynamics of Anger Planter Operation Under Different Soil Types and Moisture Contents

679	XI	Muda, Rodrigo B.	MA, JA Santos, DDS	Marine Biology	SP	Graduated	Marine Rapid Resource Appraisal as Basis for the Establishment of Marine Protected Areas (MPA) in Jose Abad Santos, Davao del Sur
680	XI	Mufoc, Davis B.	DNAS, ComVal	Extension Education	USEP	Graduated	Commercialization of Smallholder Farmers: Determinants and Welfare Outcomes
681	XI	Navarro, Rey M.	LGU, IGACOS	Rural Development	USEP	Graduated	Upstream Strategic Framework of Barangay Food Terminal (BFT) Project: The Case of Island Garden City of Samal
682	XI	Oguio, Fe G.	CAO, Davao City	Extension Education	USEP	Graduated	Knowledge and Practices on Safety Use of Pesticides Among Cacao Farmers in Davao City
683	XI	Omboy, Atlyn	SPAMAST, Digos City	Agriculture and Fisheries	RMC	Graduated	Level of Acceptability of Tart with Different Flavored Seaweed-Based Fillings: Basis for Product Development Plan
684	XI	Oray, Cheryl B.	DOSCST, Mati	Agribusiness Management	CMU	Graduated	Supply Chain Analysis on Native Chicken in Davao Oriental
685	XI	Orbuda, Joel R.	LGU, San Isidro, Davao Or.	Extension Education	USEP	Graduated	Impact Assessment of the Diversified Faring System (DFS) Implemented by the Upland Development Programme (UDP) in municipalities of Second District of Davao Oriental
686	XI	Owanes, Bonifacio P.	PAO, Mati	Agricultural Engineering	USEP	For Refund	
687	XI	Paulin, Sunshine G.	MAO, Monkayo	Agricultural Engineering	USEP	Graduated	Soil Loss and Fertility Mapping of selected Corn Areas in Monkayo, Compostela Valley
688	XI	Pintor, Laureano M., Jr.	LGU, San Isidro, Davao Or.	Agriculture	USEP	Graduated	Management Practices for the Control of Cacao Pod Rot Caused by Phytophthora palmivora Butler in San Isidro, Davao del Norte Condition
689	XI	Potenciano, Estrella L.	LGU, New Bataan, ComVal	Extension Education	USEP	Graduated	The Palay Check System Among Rice Farmer's Field School Graduates in the First District of Compostela Valley Province
690	XI	Prieto, Oliver M.	MAO, Matalag, DDS	Agribusiness Management	SP	Graduated	Influence of Barangay Food Terminal (BFT) on Economic Intensification of Local Agro-Business Enterprise in Davao del Sur
691	XI	Ramo, Dennis C.	Monkayo, ComVal	Agriculture	USEP	Graduated	Efficacy of <i>Metarhizium anisopliae</i> (Metsch) against Coconut Leaf Beetle, <i>Bronitpa longissima</i> (Gestro)
692	XI	Rebuta, Maryann A.	FIDA, Davao City	Agriculture and Fisheries	USP	Graduated	Factors Affecting the Production the High Quality Fiber Among Abaca Farmers of Davao Oriental

693	XI	Reyes, Ildefonsa L.	LGU, Davao Oriental	Extension Education	USEP	Graduated	Factors Affecting the Service Delivery of the Municipal Agriculture Office: The Case of First Congressional District of Davao Oriental
694	XI	Reyes, Marvin C.	OPA, Digos, Davao S.	Agribusiness	SP	Graduated	Assessment of Agribusiness Support System of the Department of Agriculture in Davao del Sur
695	XI	Sanchez, Juna S.	PAGRO, Davao Norte	Animal Science	USEP	Graduated	Dry Matter Yield and Nutrient Composition of Napier (<i>Pennisetum purpureum</i>) Grown in Combination with Different for Age Legumes and Fertilizer Application
696	XI	Sanchez, Ofelia A.	ATI, Panabo City	Agriculture and Fisheries	USEP	For Refund	
697	XI	Sanoria, Zosimo V.	LGU, Davao City	Extension Education	USEP	Graduated	Analysis by the Agricultural Dimensions on the Implementation of Enhance Agricultural Practices among Farmers in Third Congressional District of Davao City
698	XI	Seville, Macaria	PAGRO, ComVal	Rural Development	USEP	For Refund	Deceased
699	XI	Siaboc, Adin B.	LGU, Nabunturan	Horticulture	USEP	Graduated	Nutritional Content and Sensory Evaluation of Organic Coconut Sugar and Sap
700	XI	Simene, Rolando S.	PAGRO, ComVal	Horticulture	USEP	For Refund	
701	XI	Tambis, Lilibeth N.	PAO, Davao N.	Extension Education	USEP	Graduated	Efficiency of Agricultural Technologists on the Implementation of Agricultural Programs Base on the Response of the Farmers of Third Congressional District, Davao City
702	XI	Tumambing, Renerio M.	LGU, Manay, Davao Or.	Extension Education	USEP	Graduated	Socio-Economic Impact of Diversified Farming System (DFS) of the Upland Development Programme (UDP) to the Upland Farmers of Manay, Davao Oriental
703	XI	Valdez, Estelita Pilar M	CAO, Davao City	Agriculture and Fisheries	USEP	Graduated	Farmers' Perception of the Impact of Climate Change in Rice Production
704	XI	Valdueva, Remelyn C.	PAGRO, ComVal	Agricultural Engineering	USEP	For Refund	
705	XI	Villaruz, Rechon A.	LGU, San Isidro, Davao Or.	Agricultural Engineering	USEP	Graduated	Assessment of Soil Erosion Under Different Cacao Cropping systems in Municipality of San Isidro, Davao del Norte
706	XI	Zacarias, Lea M.	FIDA, Digos, Davao del Sur	Environmental Resource Management	USEP	Graduated	Potential of Abaca-Agroforestry Project in Mitigating Climate Change
707	XI	Zamora, Richel E.	LGU, Davao City	Extension Education	USEP	Graduated	Adoption of Recommended Corn Production Practices Among Farmers in Selected Corn Production District of Davao City

708	XII	Abrazado, Angelita F.	OPAG-Amas	Rural Development	USM	Graduated	Benefits from the Barangay Food Terminal (BFT) Program of the Department of Agriculture in Region 12
709	XII	Acoy, Rogaya Salik	LGU, Kabacan	Agriculture and Fisheries	USM	Graduated	Poverty Incidence in the Municipality of Arakan, North Cotabato
710	XII	Alba, Miltzi Aileen A. Martinez	USM, N. Cot.	Rural Development	USM	Graduated	Socio-Economic Contribution of Multi-Purpose Cooperative to Rural Development in the Province of North Cotabato
711	XII	Allera, Jean C.	MA, Maasim, Sarangani	Agricultural Science and Technology	SKSU	For Refund	
712	XII	Alonzo, Cherubin M.	OPA, SK	Agricultural Science and Technology	SKSU	Graduated	Planting System and Rates of Vermicompost on Rainfed Lowland Rice
713	XII	Amil, Maimona M.	RFU XII, Koronadal	Agriculture and Fisheries		Graduated	Evaluation of Different Rates and Frequencies of Application of Vermi Tea Against Major Insect Pests of Tomato (Lycopersicum esulentum Mill.)
714	XII	Ango, Abdulkadil I.	RFU-XII	Agricultural Science and Technology	SKSU	Graduated	Production and Marketing Systems of Coffee in Sultan Kudarat
715	XII	Asinas, Shiela Marie M.	LGU, Alamada Cot.	Rural and Economic Development	USM	Graduated	Impacts of Potable Water System Level III Project at barangay Kitacubong and Mirasal, Alamada, Cotabato
716	XII	Atok, Geoffray R.	USM	Animal Science	USM	Graduated	Effect of Housing Type, Different Forage Diets and Climate Variables on the Productivity and Welfare of Organically Grown Goats
717	XII	Aton, Marissa T.	LGU, Kidapawan	Crop Protection	USM	Graduated	Occurrence, Abundance and Biological Control of Coconut Leaf Beetle (Brontispa longissima Getro) in Kidapawan /city)
718	XII	Baldera, Amanda A.	RFU	Crop Science		Graduated	Development of Rapid Technologies of Composting and its Effects on the Growth and Yield of Pechay
719	XII	Bangoy, Nally S.	OPAG-Amas	Rural Development	USM	Graduated	Philippine Coconut Authority (PCA) Coconut Seedlings Dispersal Program and its Contribution to Poverty Reduction in Davao Del Sur
720	XII	Barredo, Marie Eden B.	LGU, Alamada Cot.	Rural Extension Development	USM	Graduated	The Performance of DA-LGU Agricultural Extension Workers in the Municipality of Alamda, North Cotabato
721	XII	Batobalani, Joan M.	PAO. S. Cot.	Agricultural Science and Technology	SKSU	On Going	Ddevelopment of Village Level Electric Motor Driven Coffee (Coffea spp.) Depulper-Huller

722	XII	Beldia, Jessie V.	ATI, Tantangan	Extension Education	SKSU	Graduated	Status, Trends and Prospects of Mango Industry in SOCCSKSARGEN
723	XII	Beldia, Shirley L.	ATI, Tantangan	Rural Extension Development	NDMU	Graduated	Status and Prospects of Mango Industry in SOCCSKSARGEN
724	XII	Binoya, Pedro Eiorde	LGU, Pikit	Rural Development	USM	Graduated	Factors Associated to the Attainment of Peace and Development in the First District of the Province of Cotabato
725	XII	Bred, Rezardo L.	LGU, Pres. Roxas	Rural and Economic Development	USM	Graduated	Effectiveness of Community Fund for Agricultural Development (CFAD) Sub-Project Implementation in President Roxas, Cotabato
726	XII	Brunio, Siony S.	SKSU, Tacurong	Extension Education	USM	Graduated	Effectiveness of Livestock Extension Service Providers in Region XII
727	XII	Cadungog, Arlene S.	LGU, Midsayap	Crop Protection	USM	Graduated	Resistance of Corn (Zea Mays) Germplasm to Corn Borer (<i>Ostrinia furnacalis</i> Guenee)
728	XII	Cañolas, Mary Joy S.	USM	Rural Development	USM	Graduated	Influence of the Carabao Development Program (CDP) on Poverty Alleviations in the Rural Farming Communities in Region XII
729	XII	Castillo, Analie B.	LGU, Tantangan	Agricultural Science and Technology	SKSU	Graduated	Organic Farming Strategies for Sustainable Lowland Rice Seed Production
730	XII	Cutamora, Paz A.	City Agri. Office	Agricultural Science and Technology	SKSU	Graduated	Growth and Yield Response of Adlai (<i>Coix lacryma-jobi</i> L.) on Vermicompost and Various Liquid Organic Extracts
731	XII	Dagondon, Amelita V.	MAO, Lambayong	Agriculture and Fisheries	SKSU	Graduated	Rapid Multiplication of Bamboo (<i>Bambusa</i> spp.) Varieties using levels of Anaa as Rooting Hormone
732	XII	Delcano, Rolando L.	MAO, Maitum, SP	Agricultural Science and Technology	SKSU	For Refund	
733	XII	Delco, Mitos D.	SKSU, Tacurong	Extension Education	USM	Graduated	Farmworkers' Pest Control Practices in Irrigated Rice: Effects on Their Health Status
734	XII	Deypalan, Lodifel C.	LGU	Agricultural Science and Technology	SKSU	Graduated	Insect Pest and Disease Severity Incidence of Open Pollinated White Maize (<i>Zea mays</i>) as Influenced by Organic Fertilizers under Natural Environment
735	XII	Dimasingkil, Janice Flor	LGU, Kabacan	Rural and Economic Development	USM	Graduated	Extent of Households' Adoption on Waste Segregation in Kabacan Municipality, Cotabato Province
736	XII	Dizon, Julie M.	LGU, Norala	Agricultural Science and Technology	USM	Graduated	Potentialities of Vermicast as Feed supplement on a three-Way Crossed chicken (Paraokan x Kabir x Sasso/Cobb) Raised under Free Range System

737	XII	Duka, Jeannie U.	USM	Rural Development	USM	Graduated	Level of Adoption of Palaycheck System in Region XII
738	XII	Dulay, James V.	LGU, Arakan	Agriculture and Fisheries	USM	Graduated	Effectiveness of Strategies Adopted by Land Utilization Program for Sustainable Livelihood of Arakenos (Lupa) in Arakan, Cotabato
739	XII	Ele, Julius Jerome G.	USM	Agricultural Science	USM	Graduated	Production Performance and Immune Response of Broilers Chickens Fed Diets with Mangosteen Rind Powder
740	XII	Espejo, Nesmari S.	LGU- Kidapawan	Extension Education	USM	Graduated	Socio-Economic Contributions of Oil Palm Production Among Oil Palm Growers in Kidapawan City
741	XII	Eusala, Cheryl L.	LGU, Makilala	Rural and Economic Development	USM	Graduated	The Economics of Rubber Nursery Operation in Makilala Cotabato
742	XII	Falloran, Jocelyn R.	LGU, Midsayap, Cot.	Rural and Economic Development	USM	Graduated	Microfinance Development in Midsayap, Cotabato
743	XII	Flamiano, Remedios S.	MSU, Gen San	Horticulture	USP- Tagum	Graduated	A Modified Yoshida Medium to Study Rice - <i>Herbaspirillum seropedicae</i> Interaction
744	XII	Gabriel, Gretchel P.	MA, Tampakan, SK	Agricultural Science and Technology	SKSU	For Refund	
745	XII	Guerrero Jr., Marcelino N.	LGU, Lambayong, SK	Agriculture and Fisheries	SKSU	Graduated	The Level of Awareness on Farmers Perceived Effect of Climate Change in the Municipality of Pikit, Province of Cotabato
746	XII	Guerrero, Rosario D.	LGU, Pikit	Public Administration	USM	Graduated	The Level of Awareness of Farmers' Perceived Effect of Climate Change in the Municipality of Pikit, Province of Cotabato
747	XII	Guevarra, Janeth Lorraine	LGU, Tampakan	Agriculture and Fisheries	SKSU	Graduated	The Level of Awareness on Farmers Perceived Effect of Climate Change in the Municipality of Pikit, Province of Cotabato
748	XII	Guiang, May A.	ATI, Tantaran	Rural and Economic Development	USM	Graduated	Assessment on the Implementation of the 4-H Youth Development Program in Region XII
749	XII	Hifalia, Marissa C.	SKSU, Tacurong	Extension Education	USM	Graduated	Effectiveness of Farmers Field School on the Productivity of Irrigated Lowland Rice Farmers in Region XII
750	XII	Ibesate, Rosario V.	LGU, Midsayap, Cot.	Agriculture and Fisheries	USM	Graduated	Effect of Plant Concoctions Sprayed at Various Intervals for the Control of Eggplant Fruit and Shoot Borer (<i>Leucocinodes orbonalis</i> , Guenee)

751	XII	Jomuard, Josalyn T.	RFU XII, Koronadal	Agricultural Science and Technology	sksu	Graduated	Rapid Multiplication Techniques of White Potatoes (<i>Solanum tuberosum</i> Linn.) as Influenced by Different Levels of Vermicomposts as Potting Media
752	XII	Kusin, Zainodin M.	CCSPC, Cot. City	Agricultural Science	usm	Graduated	Survey of Pests and Diseases and Cultural Management of Rice and Taro and Bacteria Leaf Blight and Taro Leaf Blight Management in Intermittently Flooded Areas of Tamontaka, Cotabato City, Maguindanao Province
753	XII	Larios, Nelson	LGU, Sen Ninoy Aquino	Crop Protection	usm	Graduated	Growth and Yield of Rice (Kasagpi) as influenced by Different Weed Control Measures Under Senator Ninoy Aquino Condition
754	XII	Lazaro, Maricel D.	LGU, Tantaran	Agricultural Science and Technology	sksu	Graduated	Efficacy of Agrowaste in the Production of Charcoal Brisquette using Different Levels of Cassava Starch as Binder
755	XII	Magaway, Cyprian F.	RFU-XII	Agricultural Science and Technology	sksu	Graduated	Post Harvest Losses of Fresh Fruit Bunches (FFB) of Oil Palm in Sultan Kudarat
756	XII	Magdadaro, Rhilyn B.	OPAG-No. Cot	Rural and Economic Development	usm	Graduated	An assessment of the Community-based Participatory Action Research (CPAR) Field Implementation in Senator Ninoy Aquino, Sultan Kudarat and M'Ing, Cotabato
757	XII	Malasador, Aileen B.	MAO, Tboli, S. Cot.	Agricultural Science and Technology	sksu	Graduated	Mild Yield of Dairy Cowfed with Varying Levels of Corn Hush Silage and Moringa Leaf Meal
758	XII	Mangindra, Nasser S.	LGU, Lambayong, SK	Rural and Economic Development	NDMU	Graduated	An Assessment of the IPM FFS Program
759	XII	Miguel, Eric A.	Koronadal	Rural and Economic Development	usm	Graduated	Production Performance of Rapid Seeds Supply Financing Program (RASSFP) Beneficiaries in Koronadal, So. Cot.
760	XII	Montefalcon, Camilo	OPAG-Sarangani	Crop Protection	usm	Graduated	Comparative Resistance of Tomato (<i>Lycopersicon esculentum</i> , Miller) Varieties to Major Insect Pests
761	XII	Nebreja, Alicia Rose D.	ATI, Tantaran	Extension Education	sksu	On Going	
762	XII	Pagarigan, Gerry R.	ATI, Tantaran	jomuard	SKPSC	For Refund	
763	XII	Palti, Norodin G.	LGU, Lambayong	Agricultural Science and Technology	sksu	Graduated	Submergence-Tolerant Rice Varieties as Influence by Plant Spacing

764	XII	Pasaol, Perla P.	CCSPC, Cot. City	Agriculture and Fisheries	USM	Graduated	The Effect of Different Herbs on the Sensory Characteristics of Frankfurter Sausage
765	XII	Porquiado, Dindo M.	LGU, Magpet	Rural and Economic Development	USM	Graduated	The Implementation of Gulayan sa Brangay Project of the Local Government Unit of Magpet, Cotabato
766	XII	Samson, Jovy M.	OPAG-SK	Institutional Development & Management	SKSU	Graduated	The Oil Palm Industry in Region XII: An Analysis of Value Chain Management
767	XII	Siao, Lucky V. Jr.	PAO, Sarangani	Agricultural Science and Technology	SKSU	For Refund	
768	XII	Sioco, Christopher P.	LGU-Tampakan	Agricultural Science and Technology	SKSU	Graduated	Temporal Districution and Colonization of Insect Pests of Adlai Crop Under Natural Environment
769	XII	Souribio, Elanie N.	ATI, Tantaran	Rural and Economic Development	USM	Graduated	Performance Assessment of Agricultural Training Institute in Region XII
770	XII	Suliek, Gaphor P.	LGU, Pikit	Crop Protection	USM	Graduated	Competive Ability of Rice (<i>Oryza Sativa</i> , L.) Against Weeds as Influenced by Cultivars and Weed Control Durations
771	XII	Tayapad, Charity S.	LGU, Kidapawan City	Rural and Economic Development	USM	Graduated	Socio-Economic Contributions of Rubber Production Among Rubber Farmers in Kidapawan City
772	XII	Tomaro, Ma. Pura	LGU-Tampakan	Agricultural Science and Technology	SKSU	Graduated	Biochemical Potential of Coconut Water as Promotant of Growth and Yield of Tomato (<i>Lycopersicum esculentum</i> , Linn.)
773	XII	Torres, Jocelyn F.	RFU-Amas	Extension Education	USM	Graduated	The Postharvest Program of the Department of Agriculture in the Corn Cluster Areas of Region XII
774	XII	Torres, Rene A.	ATI, Tantaran	Extension Education	USM	For Refund	
775	XII	Velasco, Winny M.	LGU, Columbio	Agricultural Science and Technology	USM	Graduated	Influenced of Various Potting Media and Vermitea on the Survival of Tissue-Cultured Lakatan Meriplants
776	XII	Verdeblanco, Helen T.	LGU, Antipas	Rural and Economic Development	USM	Graduated	Socio-Economic contributions of Oil Palm Production in Antipas, North Cotabato
777	XII	Villanueva, Ruel L.	PAO, So. Cot.	Agriculture and Fisheries	USM	Graduated	Loan Repayment Performance Assessment of the Sikat Saka Program Beneficiaries in Cotabato Province

778	XII	Ygay, Rey L.	LGU, Midsayap, Cot.	Crop Protection	USM	Graduated	Efficacy of Varying Population Densities of <i>Trichogramma japonicum</i> Ashmea Against Rice White Stem Borer, <i>Scirpophaga innotata</i> Walker Under Midsayap, North Cotabato Conditions
779	CARA GA	Alvez, Cynthia S.	SDSSU, Tagbina, SDS	Agriculture and Fisheries		Graduated	
780	CARA GA	Amista, Vergenita	OMA, RTR, ADD	Crop Science	CSU	Graduated	
781	CARA GA	Andig, Felomino B.	OMA, Las Nieves	Horticulture	USEP	Graduated	
782	CARA GA	Aparicio, Yazmin	OMA, RTR, ADD	Crop Science	CSU	Graduated	
783	CARA GA	Auxtero, Tijani B.	LGU, Agusan del Norte	Crop Science	CSU	Graduated	Population Pattern of Rice White Stem Borer (<i>Scirpophaga innotata</i> Walker) and its Natural Enemies amidst Climate Change
784	CARA GA	Bangalisan, Maria Luz C.	OPAG, Patinay, Prosperidad Bayugan	Crop Science	CSU	Graduated	
785	CARA GA	Bausing, Elena	CSU, Ampayon, Butuan	Crop Science	CSU	Graduated	
786	CARA GA	Campos, Genalyn	OMA, Esperanza	Crop Science	CSU	Graduated	
787	CARA GA	De los Santos, Joseph L.	MAO, Carmen, ADS	Environmental Management	CSU	Graduated	
788	CARA GA	Del Agua, Raul M.	MLGU, Kitcharao, Agusan del Sur	Management	FSUU	Graduated	Agricultural Management Program and Climate Change towards Farmers Productivity
789	CARA GA	Dollano, Lourd Anthony O.	Caraga State University	Crop Science	CSU	For Refund	
790	CARA GA	Duerdo, Ale Boy U.	OMA, Kitcharao	Crop Science	CSU	For Refund	
791	CARA GA	Endico, Maricel C.	OMA, Butuan City	Agriculture and Fisheries	CSU	Graduated	
792	CARA GA	Gemina, Marianita S.	OMA, Butuan City	Agriculture and Fisheries	CSU	Graduated	
793	CARA GA	Himarangan, Ronald	OMA, Mainit	Crop Science	CSU	Graduated	

794	CARA GA	Laguna, Violeta T.	SCAT, ADS	Crop Science	CSU	Graduated	Effects of Organic Fertilizer in the Incidence of Rice Pests, their Natural Enemies and Grain Qualities of NSIC Rc128 Under Remedios T. Romualdez, Agusan del Norte Conditions
795	CARA GA	Lumapas, Mary Ann	OMA, RTR, AND	Crop Science	CSU	Graduated	
796	CARA GA	Manliguez, Reggie T.	OMA, Mainit	Crop Science	CSU	Graduated	
797	CARA GA	Nalam, Pedrito S.	LGU, Tubay, ADD	Environmental Management	CSU	Graduated	
798	CARA GA	Quico, Elsa	OMA, Cantilan	Veterinary Medicine	CMU	Graduated	Decomposing Enhancers on Organic Composting as Alternative Source of Fertilizer
799	CARA GA	Ronquillo, Ariston O.	SDSSU, Tagbina, SDS	Agriculture and Fisheries	FSUU	Graduated	
800	CARA GA	Sabanpan, Cecelia	OMA, Butuan City	Agriculture	CSU	Graduated	Response of Different Upland Rice Varieties to Balance Fertilization Strategy in the Municipality of Kicharao
801	CARA GA	Salvador Sr., Romulo C.	OMA, Butuan City	Agronomy	CMU	Graduated	
802	CARA GA	Tare, Joven Z.	SDSSU, Agusan del Sur	Forest Resources Management	CMU	Graduated	Variation of Rooting Performance of Molave (<i>Vitex parviflora</i> Cuttings Under Various Factors in Non-Mist Propagation
803	CARA GA	Valenzuela, Delia O.	Rosario, Agusan del Sur	Agriculture and Fisheries	BSU	Graduated	
804	ARMM	Arakama, Nursima	SUC, Jolo	Agricultural Science	USM	Graduated	Assessing the extent of NIA assistance to encourage active participation and acceptance/sustenance of farming practices designed in the operation and maintenance of these irrigation system
805	ARMM	Baragona, Amina Pampa	Marawi City	Farming System	MSU	For Refund	
806	ARMM	Basser, Cecilia	LGU, marawi city	Farming System	MSU-LNAC	Graduated	The Response of Glutinous Corn Intercropped with Mungbean to the Different Distances of Planting and Varied Levels of Vermicast Application
807	ARMM	Belongan, Siya B.	simuay	Rural Development	CMU	Graduated	The Gintuang Masaganang Ani (GMA) Rice Program in ARMM
808	ARMM	Buisan, Pasigan	SUC, cotabato city	Agricultural Science	CCSPC	Graduated	Disease Management of Indigenous Rice Cultivars using Organic Pesticides in Brackish Areas

809	ARMM	Cortez, Marcelina R.	Marawi City	Rural and Economic Development	USM	Graduated	
810	ARMM	Kempa, Omara M.	RFU, ARMM	Agricultural Extension	CCSPC	For Refund	
811	ARMM	Lolos, Aida M.	cotabato city	Rural and Economic Development	USM	Graduated	
812	ARMM	Macabago, Mapiama S.	simuay	Rural Development	CMU	Graduated	The Effectiveness of Corn Research and Development Prpjiet in ARMM
813	ARMM	Magarang, Amer B.	marawi city	Agriculture	USM	Graduated	
814	ARMM	Malawani, Pisingayo A.	Marawi City	Agricultural Extension	CMU	For Refund	
815	ARMM	Manalocon, Soraya M.	Piagapop, LDS	Farming System	MSU	For Refund	
816	ARMM	Oma, Omar B.	Marawi City	Agricultural Education	CMU	Graduated	Agrikulturang MAKAMASA - Postharvest Component, Its Implementation in Lanao del Sur
817	ARMM	Panday, Samsudin S.		Agricultural Extension	USM	Graduated	Disease Incidence of Coffee Leaf Rust (Hemileia vastarix berk and Br.) in Maguindanao Province and Its Management with Organic Fungicides
818	ARMM	Pendaliday, Abonawas	SUC, cotabato city	Forestry	USM	Graduated	
819	ARMM	Sappalani, Ganih I.	Tawi-Tawi	Agriculture	CCSPC	Graduated	Germination,Seedling Growth and Budding Success of Rubber (hevea brasiliensis) in Response to Gibberillic Acid,Growing Media,Budwood Defoliation and Nutrients Application
820	ARMM	Te, Alfreda	Marawi City	Agricultural Education	CMU	Graduated	A Causal Model on Research productivity Among Regional Integrated gricultural Research Centers (RIARCS's) in Mindanao
821	NCR	Allig, Ana B.	Kalinga	Agriculture and Fisheries	UP-Diliman	For Refund	
822	NCR	Badua, Aldrin	PHilMech	Rural Development	CLSU	Graduated	Factors Affecting the Utilization of Rice Combine Harvester in the Province of Isabela
823	NCR	Balisang, Charlotte S.	Kalinga	Rural Development	UP-Diliman	For Refund	
824	NCR	Calica, Gigi B.	QC	Economics	UST	Graduated	Value Chain Analysis Towards an Integrated Bulk Handling System for orn: From Mindanao to Manila and Cebu

825	NCR	Dacillo, Rhona G.	QC	Community Development	UPLB	For Refund	
826	NCR	Gasmen, Andrew D.	QC	Extension Education	UPLB	Graduated	Innovation System and Rural Advisory Services in the Organic Agriculture Supply Chain in Negros Occidental, Philippines
827	NCR	Luna, Myrna Benita Z.	UP-Diliman	Agriculture and Fisheries	UP-Diliman	On Going	
828	NCR	Mario, Jennifer Christine SJ	QC	Business Administration	UST	For Refund	Analysis of the Effectivity of ATI Trainings in Increasing Productivity and Efficiency to Its Clients
829	NCR	Morfe, Noemi A.	Nueva Ecija	Food Science	UP-Diliman	On Going	
830	NCR	Urbano, Milagros	ATI, QC	Agriculture and Fisheries	Trinity	On Going	

Annex C

**List of DA-SEARCA Umbrella Capacity Development Program
(UCDP)**

DA-SEARCA Umbrella Capacity Development Program (UCDP) on Strategic Management and Policy for Agriculture Professionals and Executives

No.	Name <i>(Last, First, Middle Name)</i>	Agency/ Office	Degree Course	School	Status	Thesis/Dissertation
1	Briguera, Nazario C	BFAR, NCR	Master in Public Management Regular Program (30 months)	ASoG	Completed	A Comparative Study on the Effectiveness of SIKAT Inc. and Camarines Sur Provincial Government's Initiative on Securing Fisherfolk Settlement
2	Manicad, Joseph C.	BAS, NCR	Master in Public Management Regular Program (30 months)	ASoG	Completed	Public-private partnership (PPP) Strategies in Enhancing the Bureau of Agricultural Statistics (BAS) Information System for SWINE in CALABARZON (Region IV-A/Quezon, Laguna, and Batangas)
3	Bernabe, Joselito F.	BAS, NCR	Master in Public Management Regular Program (30 months)	ASoG	Completed	Public-private partnership (PPP) Strategies in Enhancing the Bureau of Agricultural Statistics (BAS) Information System for SWINE in CALABARZON (Region IV-A/Cavite and Rizal)
4	Obice, Juvylee D.	DA-RFU IV	Master in Public Management Regular Program (30 months)	ASoG	Completed	Baseline Assessment of Internal Control System in the Department of Agriculture - Region IV-A
5	Camacho, Ernie C.	DA-RFU IX	Master in Public Management Customized Program (18 months)	ASoG	Completed	Mainstreaming Sustainable Agriculture: Strengthening Research and Extension Linkage
6	Cuello, Zarlina B.	DA-RFU VI	Master in Public Management Customized Program (18 months)	ASoG	Completed	Organizational Capability, Performance and Institutional Capacity of People's Organization in the Development and Management of Organic Agriculture Projects in Iloilo Province
7	Durna, Garyzalde L.	DA-RFU VIII	Master in Development Economics Customized Program (15 months)	UPSE	Completed	

Annex D

**List of Participants Trained by Development Center
for Asia Africa Pacific (DCAAP)**

DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
ORGANIZATIONAL DEVELOPMENT FOR LGUs AND SUCS
 October 3-7, 2010

LIST OF PARTICIPANTS

NAMES	GENDER	ORGANIZATION	PRESENT POSITION	REGION
CLYDE G. ABAYON	F	Aklan State University	Associate Professor IV	VI
IMELDA D. ABENIO	F	Eastern Visayas State University	Head, Extension Services	VIII
EUGENIA G. BALTAZAR	F	Central Luzon State University	Associate Prof. V / Division Chief	III
CRIZELDA F BRIONES	F	Eastern Visayas State University	Instructor II	VIII
CAESAR D. BURDEOS	M	LGU- San Luis Agusan Del Sur	Municipal Agriculturist	XIII
RICHARD S BRUN	M	Eastern Visayas State University	Instructor	VIII
LILIA S CASUPAN	F	OPA-DA Capas Tarlac	Provincial FHRM Coordinator	III
DR. ROSALINA E. CATID	F	Siquijor State College	VP for Research and Extension	VII
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DR. VENANCIA CORTEZ	F	LGU- Concepcion Tarlac	Municipal Agriculturist	III
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LILIBETH HUET	F	LGU-Capas Tarlac	Municipal Agriculturist	III
VICTOR MAGBANUA	M	Palawan State University	Research and Extension Coordinator	IV-B
ALONGAN MANGORSI	M	Mindanao State University-Iligan	Director Research and Extension	X
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ARDENN R. PONCE	M	Central Luzon State University	Science Research Analyst	III
DR. ELOIDA QUEZADA	F	Surigao del Sur State University	Director, Extension Services and External Linkages	XIII
DR. ANNA MAE C RELINGO	F	Aklan State University	Director for Extension and Community Services	VI
JANET SATURNO	F	Central Luzon State University	Instructor	III
JENNIFER SISON	F	LGU-Concepcion Tarlac	Agriculturist	III
JULIO R. SILVESTRE	M	LGU-Bamban Tarlac	Municipal Agriculturist	III
LUCIO C. SOMBLINGO	M	Western Mindanao State University	Dean	IX
TITO W. VELZA	M	LGU- Masbate City	Senior Agriculturist	V

**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
COMMUNITY PARTICIPATION IN AGRICULTURAL DEVELOPMENT
October 18-22, 2010**

LIST OF PARTICIPANTS

NAMES	GENDER	ORGANIZATION	PRESENT POSITION	REGION
JAIMIE C ABORQUE	M	LGU- Tunga Leyte	Municipal Agriculturist	VIII
NAPOLEON S. ASOY SR.	M	LGU- Tunga Leyte	President, Pasakay-Amahit Farmers Association	VIII
HON. AMANDO C. AUMENTO SR	M	LGU-Tunga Leyte	Municipal Mayor	VIII
FATIMA T. BALINA	F	Visayas State University	Instructor I	VIII
GILBERT STANLEY D. BAYLOSIS	M	Leon National College of Agriculture, Iloilo	Extension Coordinator	VI
CLEMENTE CACATIAN	M	LGU-Aborlan Palawan	Assistant Municipal Agriculturist	IV-B
ENGR. CORAZON CORBAL	F	Western Visayas College of Science and Technology	Chair, CEA Extension Council	VIII
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EILEEN I. CUBILLO	F	Cavite State University	Director, Continuing Education and Training Services	IV-A
DR. RENANTE A. EGCAS	M	Northern Negros State College of Science and Technology	Director for Extension	VI
ENGR. ELMER T. FERRY	M	DA-ROS-PAES Sta Monica PPC	Agricultural Center Chief III	IV-B
DR. RESTEITA V. FRANCISCO	F	Bulacan State University	Director, Extension Services	III
DR. YOLANDA S. GUILLERMO	F	Tarlac College of Agriculture	Director Extension and Training	III
ELMER IRENE	M	Samar State University	COED Extension Coordinator	VIII
BRYAN AMIEL DE JESUS	M	Bulacan State University	Extension Coordinator	III
MADELON B. LEE	F	Camarines Norte State College	Planning Director	V
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LORNA C MATEL	F	Cavite State University	FITS Manager	IV-A
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VALIANT DOMINIC D. VELARDE	M	Visayas State University	Instructor I	VIII
EDWIN B. VILLARUZ	M	Carlos Hilado Memorial State College	Director, Extension and Community Services	VI

**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
PARTICIPATORY APPROACHES IN AGRICULTURAL EXTENSION
November 15-19, 2010**

LIST OF PARTICIPANTS

NAMES	GENDER	ORGANIZATION	PRESENT POSITION	REGION
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ELVERA T. ABINES	F	University of Rizal System	Associate Prof. I	IV-A
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FATIMA T. BALINA	F	Visayas State University	Instructor I	VIII
ENGR. FRANCISCO T. CANGCO JR	M	LGU-City of San Fernando Pampanga	Agriculturist I	III
BERNARDO S. CAYABYAB	M	DA-ROS-PAES, Sta Monica PPC	Communication Development Officer	IV-B
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JETHRO B. DAGUNAN	M	Carlos Hilado Memorial State College	RACG Representative	VI
DR. RENANTE A. EGCAS	M	Northern Negros State College of Science and Technology	Director for Extension	VI
LILIBETH B. FALLORINA	F	Leyte Normal University	Instructor II	VIII
JENNIFER I. GUEVARRA	F	Bulacan Agricultural State College	Assistant Professor I	III
DR. YOLANDA S. GUILLERMO	F	Tarlac College of Agriculture	Director for Extension and Training	III
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MARY GLENNE R. MANACHO	F	LGU- Masbate City	Agriculturist	V
DR. HELEN G. MANALASTAS	F	Bulacan Agricultural State College	Assistant Professor IV	III
ROGER RAY S. MANZANO	M	Carlos Hilado Memorial State College	Instructor I	VI
LORNA C. MATEL	F	Cavite State University	FITS Manager	IV-A
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DR. IMELD S.A. NAVARRO	F	Bulacan Agricultural State College	Director, Extension and Training	III
ARDEEN R. PONCE	M	Central Luzon State University	Science Research Analyst	III
DR. ANTONIA CECILIA Y. SANDOVAL	F	Visayas State University	Professor	VIII
JANET L. SATURNO	F	Central Luzon State University	Instructor	III
DR. RICARDO T. SEVERO JR	M	Samar State University	Assistant Prof. IV	VIII
AILEEN TACLABAN	F	Eastern Visayas State University	Instructor I	VIII
DR. TEDDY F. TEFORA	M	Cavite State University	Director, Extension Services	IV-A
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
AGRIBUSINESS AND MANAGEMENT SKILLS FOR LGUS AND SUCS
 November 30 –December 4, 2010

LIST OF PARTICIPANTS

NAMES	GENDER	ORGANIZATION	PRESENT POSITION	REGION
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WARMIN ANADIA	M	LGU-Cebu City	Agriculturist	VII
JOSELITO BACLAYON	M	LGU- Cebu City	City Agriculturist	VII
RODRIGO BUENAVENTURA	M	Bulacan Agricultural State College	Director, Production and Commercialization	III
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**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
ORGANIZATIONAL DEVELOPMENT FOR LGUs AND SUCs**

August 22-26, 2011

LIST OF PARTICIPANTS

NAMES	ORGANIZATION	PRESENT POSITION	REGION
RAMONITOR N. ABESAR	Northern Negros State College of Sci & Tech	Extension Coordinator	VI
ENGR. ALBERTSON D. AMANTE	Batangas State University	Extension Coordinator	IV-A
ERNESTO E. ASENCE III	LGU-Naga City	Agricultural Technician	V
ELSA B. BASMAYOR	LGU-Minalabac, Cam. Sur	Agricultural Technologist	V
MILAGOS A. BASMAYOR	LGU-Minalabac, Cam. Sur	Agricultural Technologist	V
TITA B. BENDANA	LGU-Minalabac, Cam. Sur	Agricultural Technologist	V
MARIA AILEENE C. BOMBON	LGU-Tabacco City		V
DOLORES G. BONGALOS	LGU-Pili, Cam. Sur	Agricultural Technologist	V
GENE FLORENDO BONITO	Camarines Norte State College	Asst. Professor IV	V
DR. SALLY M. CADIZ	Calos Hilado Mem. State College	Associate Professor II	VI
GLENN N. CEPE	LGU-Bato, Cam. Sur	Agricultural Technologist	V
MARLY L. CORPORAL	DA-LGU-Irriga City	Agricultural Technologist	V
ANA B. DEL MUNDO, DBA	Camarines Norte State College	Extension-Chairperson	V
MARIA LOURDES R. HAGOS	Calos Hilado Mem. State College	Asst. Professor I	VI
BENEDICTO C. HERALDO	LGU-Naga City	Agricultural Technologist	V
JOSEPH SALVADOR B. JARCIA	LGU-Tabacco City	Admin Aide I-Rice Tech.	V
JESUS J. KALLOS	LGU-Legazpi City	City Agriculturist	V
SAMSON M. LAUSA	Calos Hilado Mem. State College	Chairman, Info Technology	VI
FRANCISCO M. MENDOZA	LGU-Naga City	OIC-City Agri Office/Budget Officer	V
EDWIN P. MILLA	LGU-Bula, Cam. Sur	Agricultural Technologist	V
MARY RUTH V. PARRO	LGU-Bula, Cam. Sur	Agricultural Technologist	V
ELISEO T. PRIELA	LGU-Bato, Cam. Sur	OIC-Municipal Agriculturist	V
MANUEL I. RAMOS	Calos Hilado Mem. State College	Asst. Prof., Chair, Accountancy Dept.	VI
TRINIDAD T. RELLOSO	LGU-Basud, Cam Norte	Municipal Agriculturist	V
MARISTELA T. SANTY	LGU-Bula, Cam. Sur	Municipal Agriculture Officer	V
JONAFEL A. TADURAN	LGU-Irriga City	Agricultural Technologist	V
MANUEL S. TAN, PhD.	Cagayan State University	VP for Research and Extension	II
DIEGO T. TUD	LGU-Pamplona, Cam. Sur	Municipal Agriculturist	V

DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP) COMMUNITY PARTICIPATION IN AGRICULTURAL EXTENSION

September 5-9, 2011

LIST OF PARTICIPANTS

NAMES	ORGANIZATION	PRESENT POSITION	REGION
ROSALINDA R. BARTOLOME, RN	Bulacan State University	Instructor	III
NOEMI GRACE I. BELGICA	LGU-Jordan, Guimaras	Agricultural Technologist	VI
WILFREDO M. BERMEJO	Camarines Norte State College	Extension Coordinator	V
MARIA CRISTINA S. BOTON	Bulaca State University	Instructor I	III
MONINA JASARENO BUEN	Sorsogon State College	Asst. Professor I	V
YOLANDA M. CASA Ñ ARE	LGU-Sibonga, Cebu	Municipal Agriculture Officer	VII
MYRNA G. DA Ñ AS	Northern Negros State College of Sci & Tech	Associate Professor V	VI
EMMYLOU L. DASCO	Camarines Norte State College	Regional Mgt. Information Expert	V
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TOMAS T. FAMILIAL, CPA	Romblon State University	Dean, College of Business And Accountancy	IV-B
MYRNA A. GARCIA	Batangas State University	Instructor/Faculty Researcher	IV-A
HERNANE N. GABASA	LGU-Jordan, Guimaras	Meat Inspector/Agri. Tech	VI
RENE L. GALADO	LGU-Talisay City, Cebu	City Agriculturist	VII
BRENDA A. GRANADA	LGU-Naga, Cebu	Agricultural Technologist	VII
ELVIE L. LABRADO	LGU-Toledo City, Cebu	Agricultural Technologist	VII
ANNIE O. LUYAO	LGU-Stander, Cebu	Municipal Agriculturist	VII
RONELIO J. MABAO	LGU-Toledo City, Cebu	Asst. City Agriculturist	VII
SHARON C. MANGADLAO	LGU-Mandaue City	Agriculturist II	VII
JADE P. MESIAS	LGU-Asturias, Cebu	Municipal Agriculturist/MGDH-I	VII
LILIBETH B. MINOZA	Northern Negros State College of Sci & Tech.	Assistant Professor I	VI
RISSEL S. MONTA	DA-LGU-Barbon	ATI-Fisheries Coordinator	VII
JOHM F. RUFON	LGU-Romblon	Assistant Professor II	IV-B
AMEDELLO P. SALADAGA	LGU-Mandaue City	Livestock production Technician	VII
FELOJYN P. SUNDO	LGU-Balamban, Cebu	Municipal Agriculturist	VII
LUCILA B. TOMARONG	LGU-Toledo City	City Agriculturist	VII
MARIO B. UNABIA	LGU-Naga, Cebu City	Agriculturist Technologist	VII
WILFREDO F. VERANO	Sorsogon State College	Associate Professor I	V
VICTOR S. RABAR	LGU-Naga	Senior Agriculturist	VII

DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP) AGRIBUSINESS AND MANAGEMENT SKILLS FOR LGU'S AND SUC'S

October 11-15, 2011

LIST OF PARTICIPANTS

NAME	ORGANIZATION	PRESENT POSITION	REGION
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ERROL G. DE CASTRO	Sorsogon State College	Program Chair, Business Mgt. Education	VI
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ROGELIO G. ESPINOSA	Carlos Hilado Memorial State College	Chairperson-Ext. and Community Services	VI
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FLORABEL T. SERA JOSEF	Bulacan State University	Instaructor II/Extension Coordinator	III
LUCELA M. LABACLADO	LGU-Tacloban City	OPA Technical Staff	VIII
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MARILYN DEL MORO	LGU-Sta. Elena, CamSur	Agricultural Technologist	V
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ALEX C. PILI	University of Rizal System	College Professor	IV-A
CESAR A. PONDALIS	Camarines Norte State College	Instructor	V
FREDIE C. REGALARIO	University of Rizal System		IV-A
ELSA T. TORRES	LGU-Looc, Romblon	Agricultural Technologist	IV-B
TITO W. VELZA	LGU-Masbate City	Supervising Agriculturist	V
SEAN R. VIDAD	Ilocos Sur Polytechnic State College	Science Research Specialist I	I
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
PARTICIPATORY APPROACHES IN AGRICULTURAL EXTENSION FOR LGU'S AND SUC'S
 October 24-28, 2011

LIST OF PARTICIPANTS

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**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
PARTICIPATORY RESULTS-BASED MONITORING AND EVALUATION**

November 14-18, 2011

LIST OF PARTICIPANTS

NAME	ORGANIZATION	PRESENT POSITION	REGION
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JOAQUIN B. CERA	Nueva Vizcaya State University	Assistant Professor II	II
JAESON U. CRUZ	University of Rizal System	Head Planning, Project Development, Monitoring and Evaluation	IV-A
RENANTE A. EGCAS	Northern Negros State College of Science and Technology	Director-Extension Services	VI
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PROF. ELSA B. OMIPIIN	Cavite State University	Asst. Professor I	IV-A
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
SYSTEMATIC EVALUATION OF TRAINING EFFECTS, OUTCOMES AND IMPACTS
 November 28 - December 2, 2011

LIST OF PARTICIPANTS

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JOSE JOEY E. TIERRA	Carlos Hilado Memorial State College	Instructor III	VI

**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
SIMPLIFYING MANAGEMENT, IMPLEMENTATION, MONITORING
AND EVALUATION OF EXTENSION PROJECTS**

December 12 to 16, 2011

LIST OF PARTICIPANTS

NAMES	ORGANIZATION	PRESENT POSITION	REGION
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EDDIE G. FETALVERO	Romblon State University	Director for Research	IV-B
GRETA G. GABINETE	West Visayas State University	Director for Research	VI
YOLANDA S. GUILLERMO	Tarlac College of Agriculture	Director of Extension and Training	III
ELVIE L. LABRADO	LGU-Toledo, Cebu City	Agricultural Technologist	VII
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JEREMIAS V. MANAGBANAG	Surigao Del Sur State University	Head Extension Services	XIII
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JOHN XAVIER B. NEPOMUCENO	Cavite State University	RDE Director	IV-A
ANA MARY ANN H. PANCHO	Carlos Hilado Memorial State College	Instructor/COE Extension Member	VI
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JANET L. SATURNO	Central Luzon State University	Div. Chief, Ext. Applied Comm. Division	III
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LUCILA B. TOMARONG	LGU-Toledo, Cebu City	City Agriculturist	VII
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP) AGRIBUSINESS PROJECT DEVELOPMENT AND MANAGEMENT

December 3 to 7, 2012

LIST OF PARTICIPANTS

NAMES	ORGANIZATION	PRESENT POSITION	REGION
LAURO AGUANITA	LGU-Governor Generoso Davao Oriental	FITS Manager	XI
ROSALIE AGUANITA	LGU-Governor Generoso Davao Oriental	Community and Center Manager	XI
RODELFO AJERO JR	BFAR-V	Community Organizer	V
MAE STELLA AMAR	Romblon State University	Publication Coordinator	IV-B
BEVER BARRUGA	BFAR-V	Community Organizer	V
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JETHRO DAGUNAN	Carlos Hilado Memorial State College	RACG Representative	VI
EMMYLOU DASCO	Camarines Norte State College	Reg. Management Information Specialist	V
JANET DIAZ	Samar State University	Instructor II	VIII
FREDISMINDA DOLOJAN	Quirino State University	Research Director	II
ENRIQUE ESCARES III	LGU- Cadiz City	City Agriculturist	VI
LOUIE PETER GAMBOA	Sugar Regulatory Administration-Bacolod	Agribusiness Officer	VI
JOSIE GARCIA	National Food Authority	Sr. Grains Operations Officer	NCR
ELMER IRENE	Samar State University	Assistant Professor I	VIII
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MARY GLENNE MANACHO	LGU-Masbate	Agriculturist I	V
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EVELYN MIONDA	DA-RFU8	Senior Agriculturist	VIII
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MARIBEL RAMALES	Tarlac College of Agriculture	Instructor I	III
LEONARDO SILVESTRE JR	National Food Authority- NCR	Sr. Grains Operations Officer	NCR
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ROMINA YUTOC	BFAR-III	OIC-Planning and Programming Section	III

**DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
PROJECT DEVELOPMENT FOR FUND SOURCING IN AGRICULTURE**

December 17 to 21 2012

LIST OF PARTICIPANTS

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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP) DEVELOPING AGRICULTURAL MARKETING STRATEGIES

March 4 to 8, 2013

LIST OF PARTICIPANTS

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IRENE COLLADO	Philippine Crop Insurance Corporation-VII	Insurance Processor	VII
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RENE GALADO	LGU- Talisay	Municipal Agriculturist	VII
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VICTOR RABOR	LGU- City of Naga Cebu	City Agriculturist	VII
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MARIO UNABIA	LGU- City of Naga Cebu	Agricultural Technologist	VII
VICTORIA VERANO	LGU-Tuburan Cebu	Municipal Agriculturist	VII
ENGR. ARTEMIO VASALLO	Philippine Rice Research Center	Head Business Dev't Office	III

DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
RATIONALIZING AND STRENGTHENING EXISTING AGRICULTURAL EXTENSION PROGRAM/PROJECTS
 April 8-12, 2013

LIST OF PARTICIPANTS

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BELEN DE PEDRO	DA-RFU8	Planning Officer III	VIII
DR. MARCIANA DE VERA	University of Northern Philippines	Director, Extension Services	I
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP) VALUE CHAIN ORIENTATION, NETWORKING AND FOOD SUFFICIENCY

April 22-26, 2013

LIST OF PARTICIPANTS

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JENELYN VALLEJO	BFAR III	Technical Staff	III
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ANNAN VILLANUEVA	NONESCOST	Instructor	VI
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ROMINA YUTOC	BFAR III	Regional Planner	III

DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
CLIMATE CHANGE, GOOD GOVERNANCE AND PROJECT DEVELOPMENT
 June 17-21 2013

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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
EXTENSION APPROACHES, METHODS AND TOOLS IN ENHANCING KNOWLEDGE, ATTITUDE AND SKILL
OF EXTENSION SERVICE PROVIDERS AND BENEFICIARIES

April 20-24, 2015

LIST OF PARTICIPANTS

NAMES	ORGANIZATION	PRESENT POSITION	REGION
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
EXTENSION APPROACHES, METHODS AND TOOLS IN ENHANCING KNOWLEDGE, ATTITUDE AND SKILL
OF EXTENSION SERVICE PROVIDERS AND BENEFICIARIES

April 20-24, 2015

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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)

STRATEGIC AND OPERATIONAL TRAINING PLANNING

July 27-31, 2015

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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
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DEVELOPMENT CENTER FOR ASIA AFRICA PACIFIC (DCAAP)
EXTENSION APPROACHES, METHODS AND TOOLS IN ENHANCING KNOWLEDGE, ATTITUDE AND SKILL
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April 20-24, 2015

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MARISSA HERNANDO	Quirino State University	Instructor I	II
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Annex E

Report on US Training on Biotechnology Advances in "Extraction, Detection, Enumeration, and Risk Assessment of Vibrios and Enteric Viruses in Seafood"

Non Degree International Activities

REIVIN T. VINARAO

Department of Agriculture

National Fisheries Research and Development Institute

Post Harvest Research and Development Division

Chemical and Microbiological Section

Biotechnology Advances in the Extraction, Detection, Enumeration and Risks Assessment of Vibrios and Enteric Viruses in Seafood

January 12-26, 2013

Food and Drug Administration, AL, USA

Acknowledgement

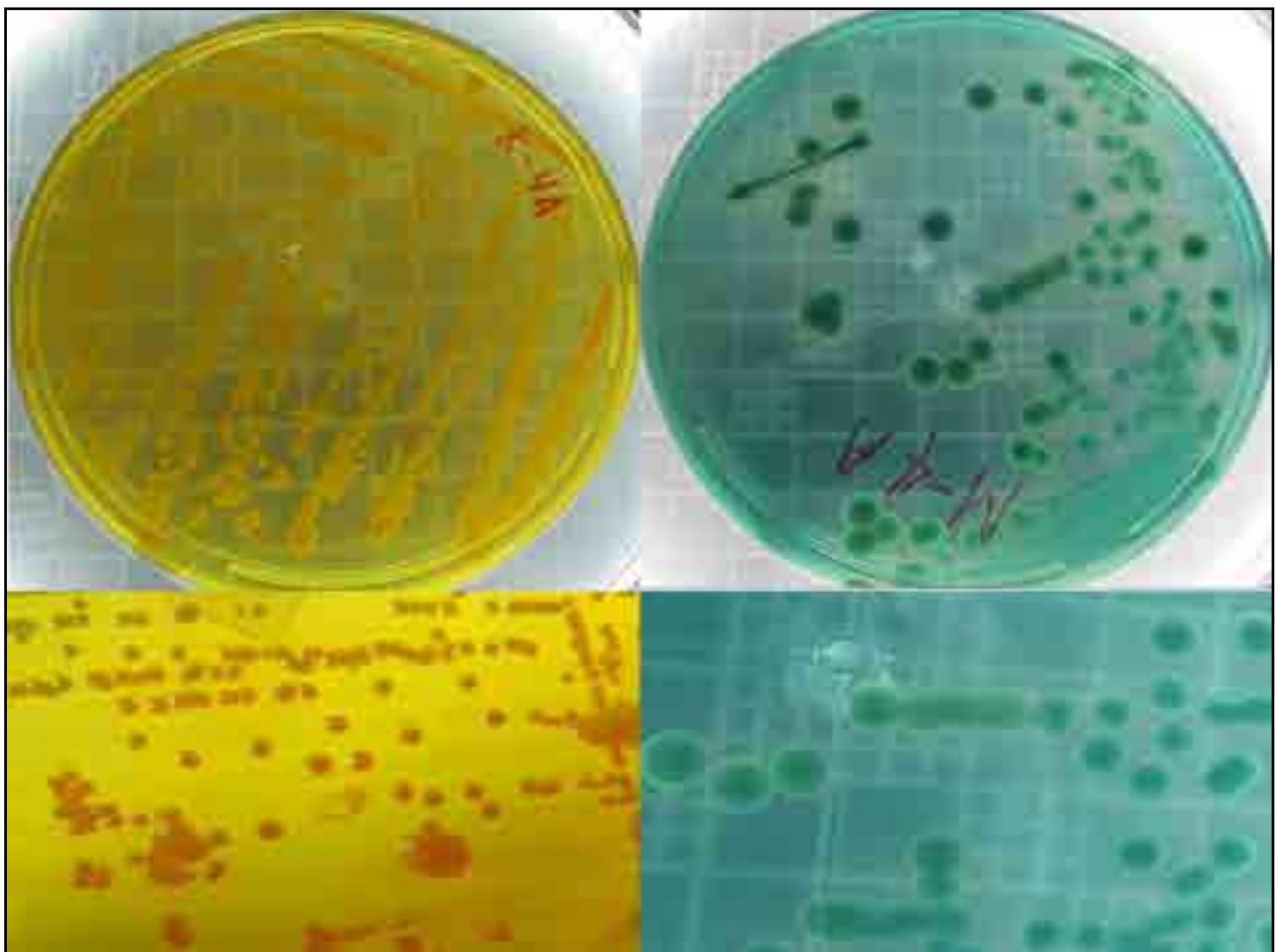




National Fisheries Research and Dev't Institute
Post Harvest Research Division
Chemical and Microbiological Section



**FOOD
SAFETY**



Studies of Cholera El Tor in the Philippines*
 2. A Retrospective Investigation of an Explosive Outbreak in Bicoland City and Talisay, November 1961
 A. R. JOSEPH, E. F. TAMAYO, W. H. WADLEY, M. G. L. L. DIONISIO, & D. A. PROBERG

The 1961 Cholera Epidemic in Manila, Republic of the Philippines*
 CRAIG, K. WALLACE, ANABELLA S. FARR, ORSOLA MANDOURY, A. VELASCO, CORAZON RUIVO, & ROBERT A. PROBERG

Cholera outbreak declared in Catanduanes

Cholera outbreak declared in Palawan

Cholera outbreak in Philippines kills 21

Typhoid in San Jose, Cholera in Baganga and Manila - Outbreaks!!!

DOH declares cholera outbreak in Virac

The Nation
 THE PHILIPPINE STAR
 SATURDAY, JUNE 18, 1965 A-27

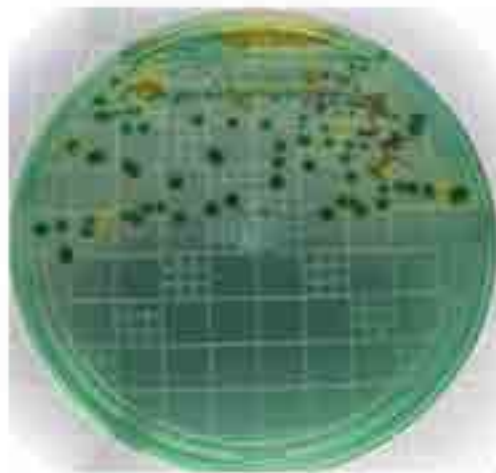
Recorded *Vibrio* outbreaks in the Philippines

Date of Occurrence	Area of Incidence	Number of Cases/Deaths	Commodity Involved	Source
Nov 1961	Bacolod and Talisay City	153 cases	Shrimp	Joseph et al, 1965
Nov 1961	Manila Bay (Bulacan, Cavite, Bataan, Manila)	423 cases	Seafood/ Shrimp	Craig et al, 1964
Jun 1996	Baganga, Davao Oriental	484 cases (27 deaths)	Water	Health Beat, 1996
Sep 1996	Manila Area	310 deaths	Water	Health Beat, 1996
Jan-Dec 1992	Zamboanga, City	7 cases	Seafood	Ong et al, 2000
Jan-Dec 1993		8 cases	Water	
Jan-Dec 1994		68 cases		
Jan-Dec 1995		55 cases		

Recorded *Vibrio* outbreaks in the Philippines

Date of Occurrence	Area of Incidence	Number of Cases/Deaths	Primary Commodity	Source
Jan-Dec 1997	Muntinlupa, Manila	605 cases	Seafood/ Water	Benabaye and Dayrit, 1998
Feb 1998	Buenvista, Guimaras	16 cases	Seafood/ Water	Marie et al, 1990
May-Jul 2004	Dagupan, Pangasinan	2,778 cases (24 deaths)	Seafood/ Oyster	Carteciano, 2004 DOH, 2005
Aug 2008	Mindanao	71 cases (21 deaths)	Seafood/ Water	Manila Bull, 2008 USAToday, 2008
Apr 2011	Bataraza, Palawan	17 Villages (30 deaths)	Water	Phil Dly Inq. 2011
Jun 2012	Virac, Catanduanes	1,370 cases (18 deaths)	Water, fishery resources	Phil Dly Inq. 2012 Phil Star, 2012
Mar 2013	Laoag City, Ilocos Norte	4 cases	Oyster	Phil Star, 2013

What are *Vibrios*?



- *Vibrios* are gram-negative (-) halophilic bacteria that naturally occur in estuarine environment (Joseph et al., 1982; Kaymer and DePaola, 1991; McCartar, 1999; Su and Liu, 2007).
- *V. parahaemolyticus* (Vp), *V. cholerae* (Vc) and *V. vulnificus* (Vv) were considered as the species responsible for most illnesses caused by *Vibrio* spp. (Olivar and Kapaz, 1997; Dalsgaard, 1998; FAO/WHO 2001).
- Particularly the *Vibrio parahaemolyticus* (Vp) and *Vibrio cholerae* (Vc) are the leading causes of bacterial gastroenteritis diseases among shellfish consumers worldwide (Vongzay et al., 2008). Specifically, they cause watery/bloody diarrhea often with abdominal cramping, nausea, vomiting, fever and chills.
- *Vibrio cholerae* can rapidly lead to dehydration and death in untreated patients. *V. cholerae* of the O1 and O139 serotypes are responsible for epidemic cholera in humans. (Karnasagar et al., 1995; FAO/WHO, 2005; DOH 1961-2013)
- *Vibrio parahaemolyticus* is the most common non-cholera vibrio. Associated with bloody diarrhea (Potamian et al., 2002; Hooda et al., 1976).
- Pathogenic Vp (tdh/trh- lyse erythrocytes); Choleraogenic Vc (ctx-responsible for cholera symptom-watery diarrhea)
- When the appropriate conditions occur (salt content and temperature) *Vibrio* species thrives.
- *Vibrio* related illnesses reports in the country were caused mostly by Vc (The Philippine Star, 2012; Carteciano, 2002) while some Vp and no Vv illness has been reported, however, a number of septicemia cases has been reported without any conclusive reports on what organism causes such disease.



Methodology (USFDA BAM-MPN Method)

Sample Preparation (Homogenate 15-20 pcs oyster meat)

↓ 1g homogenate

Serial Dilution 10^{-1} - 10^{-6} (PBS & APW MPN Enrichment)

Incubate at 35-37°C

Record growth (+/-) in APW
(discard - tubes)

↓

Used Method Rainy and Dry Season

Streak all + tubes in TCBS

Incubate at 35-37°C

Suspected Vp (sucrose negative colonies)

Colony isolation and
Confirmatory Test (API 20E kit)

Conventional MPN/g
estimation

Used Method Additionally for Dry Season

1 ml aliquot each from + tubes
(VpRTi-PCR pathogenicity test)

(DNA samples analyzed using EAX® System
RTi-PCR, Colony Lift DNA Hybridization,
Serotyping and Biochemical Test)

RTi-PCR coupled with
Conventional MPN/g
estimation

Protocols:

- Keyser and DePaola (2001)
- Nordstrom et al. (2007)
- Jones and Ludeke (2012)
- BAM (2013)

Biotechnology Advances in the Extraction, Detection, Enumeration and Risks Assessment of Vibrios and Enteric Viruses in Seafood

January 5-20, 2013

Food and Drug Administration, AL, USA



Food Science Year 2013 2 (75-10)
DOI: 10.1002/fs.2013.00007

ORIGINAL PAPER

Occurrence of Norovirus and Hepatitis A Virus in U.S. Oysters

Jacqueline W. Woods¹ & William Burkhardt III¹

10.1002/fs.2013.00007

Volume 2013, Number 2, February 2013

Food Microbiology

Journal homepage: www.interscience.wiley.com/jpages/1745-4549

Comparison of molecular detection methods for *Vibrio parahaemolyticus* and *Vibrio vulnificus*

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Detection, extraction, isolation, purification and pathogenic *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus*



- a. Real Time (Quantitative) PCR
- b. DNA Hybridization
- c. Colony Lift
- d. Serotyping
- e. Biochemical Test



Protocol: Jones and Ludeke, 2012
Jones et al., 2012
Jones et al., 2009
Zimmerman et al., 2007





Detection, extraction and purification of Hepatitis A virus
Protocol: Woods and Burkhardt, 2010



**Activities and Future Plans
After the Training...**



Incidence of *Vibrio parahaemolyticus* in Oysters along Northern Manila Bay, Philippines

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ABSTRACT

Oyster produce represents all shellfish-producing countries across the total and pathogenic *Vibrio* levels in commercial shellfish production areas. As no data existed on local *Vibrio* populations in the Philippines, we conducted a study to assess the prevalence and densities of *V. parahaemolyticus* populations in oysters from the major producing areas of Northern Manila Bay. Oysters were collected from seven stations during the wet (Nov 2011) and dry (April 2012) seasons. A most-probable number (MPN) enrichment followed by colony isolation on TCBS agar was used during both collection seasons. Presumptive *V. parahaemolyticus* colonies were identified by the presence of typical (reactive negative) green colonies on TCBS. Additionally, the samples collected during the dry season, the BAX2 *Vibrio* Real-Time (RT) PCR Assay was used for total *V. parahaemolyticus*, while pathogenic *V. parahaemolyticus* was determined using an E2-PCR assay that targets the *tdh* and *trh* genes. Lower densities of total *V. parahaemolyticus* were detected during the wet season (5-14 MPN/g) compared with the dry season (290-15,000 MPN/g). Densities of pathogenic *tdh*⁺ (0.23-93 MPN/g) and *trh*⁺ (0.93-240 MPN/g) comprised ~1% of the total *V. parahaemolyticus* recorded. These levels are consistent with levels found in shellfish from countries that routinely report *V. parahaemolyticus* illness. Shellfish-borne *V. parahaemolyticus* illness has not been reported in the Philippines, but this may be attributed to the absence of an established reporting system. The data presented here indicate the potential for *V. parahaemolyticus* illness from consumption of oysters harvested from Northern Manila Bay, Philippines.

Keywords: *Vibrio parahaemolyticus*, pathogenic, *tdh*, *trh*, wet season, dry season

Vinarao, Revin Final Paper on Vibrio (2)

Me *Vibrio* spp. in shellfish production areas of the Philippines [Internet].

Catherine McLeod

To: M

Dear Revin,

Many thanks for the revised paper, it is very much appreciated.

I hope to see you at the CNR-EMSS.

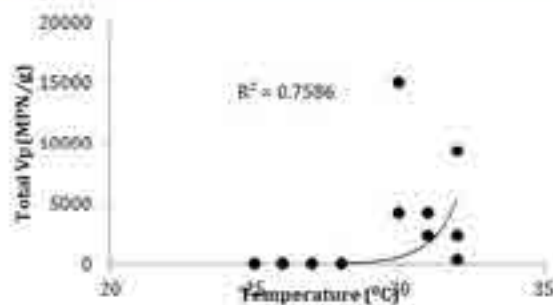
All the best

Cath



Fig 1. Location of the study area in Northern Manila Bay.

Incidence	Density (MPN/g)	
	Rainy Season	Dry Season
Total Vp	3-16	290-15,000
Ave	7.89	5,427.00
TDH ⁺ Vp	no data	0.23-93
Ave	-	14.00
Prevalence	-	0.01%-2.2%
TRH ⁺ Vp	no data	0.93-240
Ave	-	110
Prevalence	-	0.04%-8.3



- o Positive correlation between the levels of *Vp* with temperature data ($r = 0.51$).
- o Pathogenic levels (*tdh*⁺/*trh*⁺): ~ 1% from total (0.23-240MPN/g *Vp*)
- o Pathogenic *Vp* levels that cause illness: > 105 MPN/g (Daniels, 2000); 2.1-3.5 MPN/g (McLaughlin et al., 2005); > 100-1000 MPN/g (*V. Carcharias*, Chile).
- o Temperature control has been initiated by researchers in other regions of the world with different levels of success (Kim et al., 2012, Phuvasate et al. 2012).
- o The same study has been initiated by the undersigned for the reduction of *Vibrio* spp. (*V. parahaemolyticus* & *V. cholerae*)

On the process of Capacitating our Microbiology Laboratory

Seasonal Abundance of total and pathogenic *Vibrio parahaemolyticus*, *V. cholerae* and *V. vulnificus* in oysters of Northern Manila Bay

R. F. Ostrazo^{1*}, J.L. Jones², R.J. Ragara¹, R.A. Basing¹, A.S. Esmerillo¹

¹Shrimp Fisheries Research and Development Institute, Oozam City, Philippines

²Center for Seafood Laboratory, US Food and Drug Administration, Alabama, USA

1



Initial Result

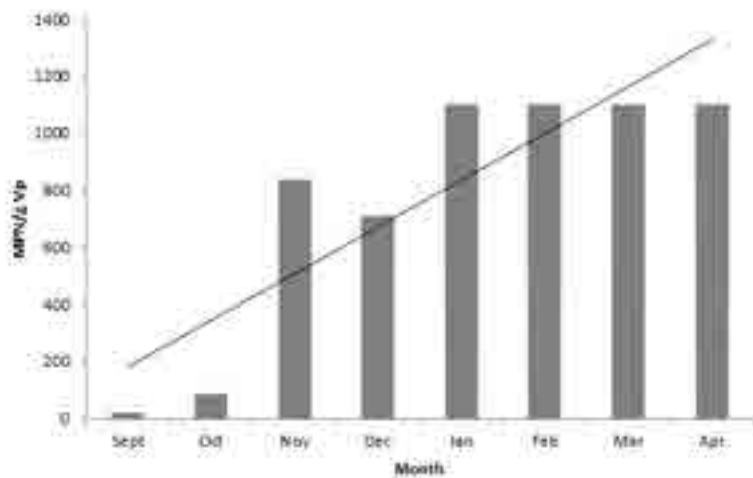


Fig. 1. Seasonal abundance(MPN/g) of total *Vibrio parahaemolyticus*, Sep 2012-Apr 2013.

The pathogenic levels data for Jan-Apr is yet to come

Reduction of *Vibrio spp.* in shellstock oyster using different temperature control treatments

R.T. Vinarao^{1*}, R.J. Ragaza¹, R.A. Bassig¹, A.S. Esmeralda¹

¹ National Fisheries Research and Development Institute, Quezon City, Philippines

2





1. 35°C (min) temperature and 4-hours exposure of shell-stock after removing them in their natural habitat increases the density of resident *Vibrio* spp. population in the animal. Increased temperature and longer time exposure to ambient temperature further increases pathogenic bacterial growth.
2. Low temperature of 0°C decreases population of Vp however arrest further growth of Vc in shell stock oyster
3. Boiling the shell stock oyster at 100°C for 5 minutes eliminates most vibrio populations (Vp /Vc) in the animal

Recommendations

1. Highly recommend cooking of oysters to eliminate *Vibrio* populations in shellstock oysters.
2. Recommend to at least subject the shell-stock oyster to low temperature-shock treatment prior to raw or undercook consumption (preference).
3. Recommend the use low-temperature storage facilities for commercial purposes (*in the future at least*). Proper postharvest handling (hygiene, appropriate storage) may increase the value of oyster industry in the Philippines.

Future Plans

1. Validation studies, to greater population size and wider scope area to include major oyster sites nationwide)
2. Consumer acceptability test for temperature-shock treated shelled oyster

Assessment of Microbial Pathogens in Aquafarmas Along Manila Bay

R.T. Vinarao^{1*}, U.M. Montojo¹, BFAR Aquaculture Division²

¹ National Fisheries Research and Development Institute, Quezon City, Philippines

² Bureau of Fisheries and Aquatic Resources, Quezon City, Philippines

3



VALUE FOR MONEY



Abate Costs of
Hospitalization
and Death

Thank you

Certificate of Completion
This certifies that
Rosita Vizaras
did complete
**Detection of Pathogenic Vibrios & Enteric Viruses in
Oysters Training**
held at the U.S. Food & Drug Administration
Gulf Coast National Laboratory, Dauphin Island, Alabama
from January 14 - 15, 2010

[Signature]
Instructor: Wendy Hill,
Bioscience Resource
Project

[Signature]
Coordinator: [Name],
Gulf Coast National Lab,
Washington, D.C.

[Signature]
Rosita Vizaras
Training & Education

Annex F

**Report on US Paper Presentation during the Aquaculture 2013
Presentation: Paper on Recirculating Aquaponic System using the
Nile Tilapia and Freshwater Prawn Polyculture and the Productivity
of Selected Leafy Vegetables**

**RECIRCULATING AQUAPONIC
SYSTEM USING NILE TILAPIA
(*Oreochromis niloticus*) and
FRESHWATER PRAWN
(*Macrobrachium rosenbergii*)
POLYCULTURE and the
PRODUCTIVITY of SELECTED
LEAFY VEGETABLES**

CHITO F. SAGE, Ph.D.

Philippines

KEVIN M. FITZSIMMONS, Ph.D.

Arizona, USA

Vegetable consumption

□ Philippines: country of meat-eaters

- ❖ Increasing trend of meat consumption**
- ❖ One of the lowest vegetable consumers in Asia**
- ❖ 40 kg annually per capita (2003)**
- ❖ Below the 146-182 kg per capita recommendation by WHO**
- ❖ Among the top 10 risk factors of mortality (WHO)**

Food production:

- ❖ **A major challenge**
- ❖ **Affected by increasing population, declining arable land, water scarcity, climate change**



FAO's optimistic prediction

- ❖ **an abundant food supply in the coming years using available technology**
- ❖ **Capable of increasing agricultural productivity to meet the demand**
- ❖ **Scientific knowledge plus computerized equipment is more important than hard work and muscle power that traditional agriculture requires**

Philippine policy-makers

- ❖ **Cognizant of the prediction and situation**
- ❖ **FAO's call to change the age-old agricultural practices**
- ❖ **Shift paradigm to adopt “smart farming/precision agriculture” technologies**
- ❖ **Aquaponics - the raising of fish and growing vegetables in one infrastructure and system**

MATERIALS AND METHODS

□ Objectives

- ❖ **Determine the productivity of leafy vegetables in an aquaponic polyculture system using Nile tilapia and freshwater prawn in a controlled environment**
- ❖ **Evaluate the growth and yield response of lettuce, Chinese cabbage and pac choi**
- ❖ **Water productivity of the system**

MATERIALS AND METHODS

□ Controlled environment greenhouse

- ❖ **Gable-roofed, double-layered polycarbonate sheets**
- ❖ **7.3 m W x 7.6 m L x 4.4 m H**
- ❖ **Raft culture, recirculating system; tilapia/prawn stocked 30 days before planting vegetables**



MATERIALS AND METHODS

□ Types of cultures

- ❖ **System 1 - Tilapia-prawn polyculture**
- ❖ **System 2 - Tilapia culture (control)**
- ❖ **Vegetables:**

- ✓ **Lettuce (Black-seeded Simpson)**
- ✓ **Chinese cabbage (Rubicon)**
- ✓ **Pac choi (Black Summer)**

□ Data gathered

- ✓ **General observation**
- ✓ **System design**
- ✓ **Stocking density**
- ✓ **Component ratio**
- ✓ **Growth and yield (hydroponic and aquaculture crops)**
- ✓ **Feed conversion ratio**
- ✓ **Water productivity**
- ✓ **Other observation**

□ Single-factor ANOVA

MATERIALS AND METHODS

□ System components

- ❖ Bio-filtration tank (220L)
- ❖ fish tank (250L)
- ❖ Raceway (2.44m x 4.88m)
- ❖ Applied “one-pump rule”
- ❖ 40-watt pump



RESULTS AND DISCUSSION

□ The Nitrogen Cycle

- ❖ Nitrosomonas bacteria - toxic ammonia (NH_3 or NH_4^+) to nitrite (NO_2^-)
- ❖ Nitrobacter species - nitrite to nitrate (NO_3^-)
- ❖ Bio-balls were added to the bio-filtration tanks



RESULTS AND DISCUSSION

□ General observation

PARAMETERS	COMPROMISED LEVEL*	LEVEL ACHIEVED BY THE SYSTEM			
		With Prawn		Without Prawn	
		1st Crop	2nd Crop	1st Crop	2nd Crop
Environmental					
Air temp, °C	22-30	20-32	18-30	20-32	18-30
RH, %	40-90	55-85	58-87	55-85	58-87
PAR, nm	390-760	435-685	410-645	435-685	410-645
Water quality					
pH	6.0-7.5	6.5-7.5	7.1-7.9	6.7-7.7	7.3-8.2
TDS, ppm	>300	246-344	240-393	228-328	261-344
Water temp, °C	>20.0-30.0	18.8-22.9	16.3-23.5	19.2-23.9	18.5-24
DO, ppm	>3.0-7.0	3.2-6.9	2.8-7.3	3.2-6.7	3.0-7.2
Saturation, %	60-125	58-125	51-123	52-123	56-125

* values compiled from various literatures

RESULTS AND DISCUSSION

□ Stocking density

- ❖ From Rakocy, et al., 2006
 - ✓ 50-100 g/pc at 100-200 pcs/m³
or 5-20 kg/m³
 - ✓ even at 250 pcs/m³ or 25 kg/m³
- ❖ From Licameli, et al. (2010)
 - ✓ 5 kg/m³
 - ✓ 150 g/pc * 71 pcs in 0.25 m³
= 42 kg/m³ (**VERY HIGH**)

At 20 kg/m³

a fish tank of 0.25 m³ = 30 kg fish (150 g/pc)

RESULTS AND DISCUSSION

□ Component ratio

- ❖ Speraneo system = 1:2
- ❖ Other system = 1:4
- ❖ For this study
 - ✓ Tank = 0.25 m³
 - ✓ Raceway = 2.38 m³
 - TANK:BED RATIO = 1:9.5 (VERY HIGH)**

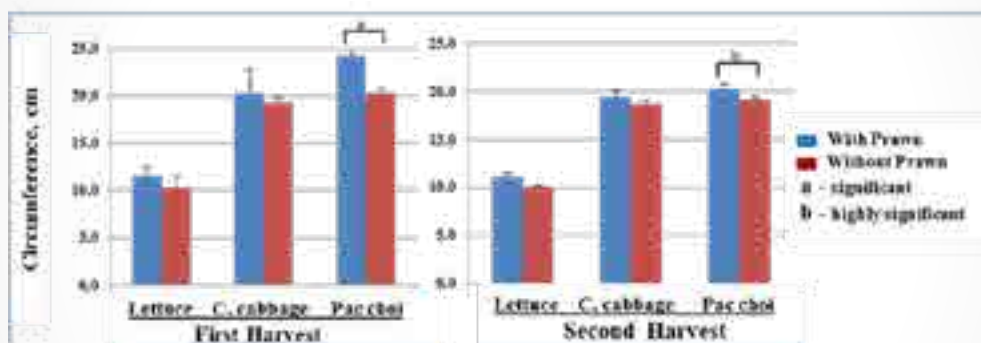
Using the ratio 1:4

a fish tank of 0.25 m³ = 1.0 m³ raceway
a raceway of 2.38 m³ = 0.6 m³ fish tank

RESULTS AND DISCUSSION

□ Growth parameters

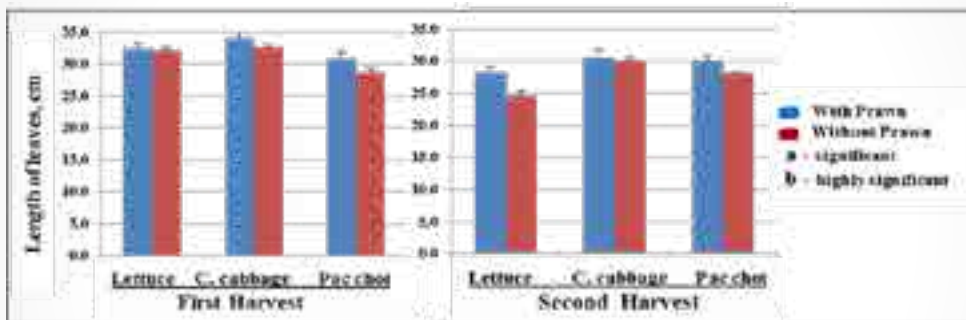
❖ Circumference of crown



RESULTS AND DISCUSSION

□ Growth parameters

❖ Length of leaves

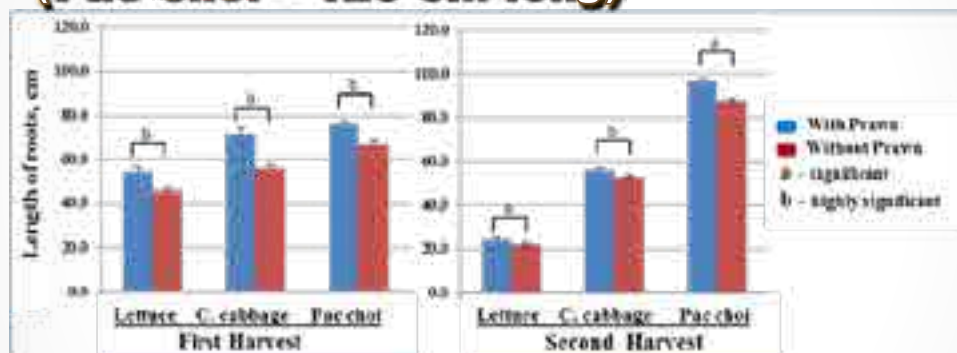


RESULTS AND DISCUSSION

□ Growth parameters

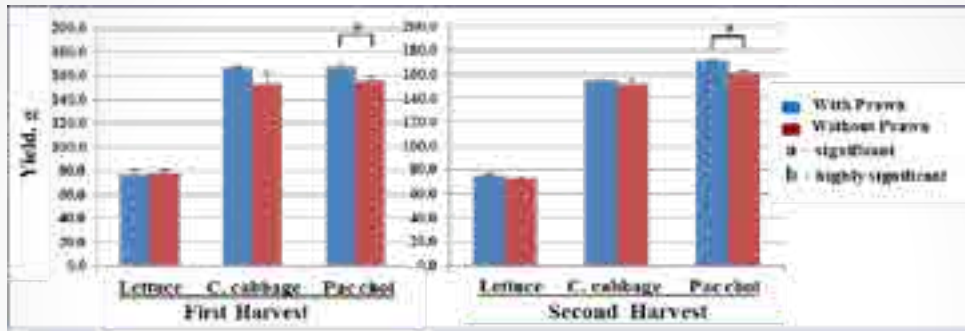
❖ Length of roots

(Pac choi – 120 cm long)



RESULTS AND DISCUSSION

Yield of vegetables



RESULTS AND DISCUSSION (water analysis)

ITEMS	PARTS PER MILLION		USEPA GUIDELINES
	With Prawn	Without Prawn	
Nitrates	30.8	24.6	NO ₃ = 25 PPM
Nitrate N	7.0	5.6	N = 10 PPM
Sulfates	41.0	38.0	250 PPM
pH	7.5	7.8	6.5 - 8.6 Sec. std.
Calcium	180 (10.5 g/gal)	155 (9.1 g/gal)	
Magnesium	45 (2.6 g/gal)	35 (2.0 g/gal)	
Sodium	48	46	PPM
Chlorides	70	68	250 PPM
TDS	311	292	500 PPM Sec. std.
Hardness	225 (13.1 g/gal)	190 (11.1 g/gal)	
Total iron	0.5	0.1	0.3 PPM Sec. std.
Phosphates	25	19.75	
Phosphorus	8.3	6.6	0.400 PPM Sec. std.
E. coliform	N/A	N/A	<1/100 mL
Total coliform	N/A	N/A	<1/100 mL
Copper	N/A	N/A	1 PPM Sec. std.
Zinc	N/A	N/A	5 PPM Sec. std.
Manganese	0.07	0.038	0.05 PPM Sec. std.
Potassium	N/A	N/A	
Comments:	N/A	N/A	

RESULTS AND DISCUSSION

□ Growth and yield of tilapia and prawn; FCR

SYSTEM WITH PRAWN

Crop	Weight	Initial, g	Final, g	Gain, g	Growth rate, g/day	FCR
Tilapia (71 pcs)	Total	22,040.00	31,610.00	9,570.00	88.61	1.69
	Individual	310.42	445.21	134.79	1.25	
Prawn (208 pcs = 71%)	Total	494.00	1,631.00	1,137.00	19.27	
	Individual	1.67	8.00	6.32	0.06	

SYSTEM WITHOUT PRAWN

Tilapia (60 pcs)	Total	22,017.00	31,409.00	9,392.00	86.96	1.72
	Individual	366.95	523.48	156.53	1.45	



RESULTS AND DISCUSSION

□ Water consumption and productivity

- ❖ Water consumption
 - ✓ Evapotranspiration = 10 % approx. or about 22 L/day or 2,376 L for 108-day culture period
 - ✓ Volume of water (system) = 2,850 L
 - ✓ Total volume = 5,226 L
- ❖ Productivity
 - ✓ 71 pcs tilapia/harvest
 - ✓ More than 200 pcs of prawn
 - ✓ 495 heads of vegetables (990 pcs)
- ❖ More productivity with improved management

RESULTS AND DISCUSSION

□ Other observation

- ❖ **Chlorotic and necrotic leaves mostly observed in Chinese cabbage and pac choi**
- ❖ **Lettuce with elongated stalk**
- ❖ **Also deficient in potassium, zinc, magnesium, manganese**



CONCLUSION

- **Integration of prawn in the raceway improved the performance of the system**
- **Pac choi has the best growth and yield performance among the three vegetables**
- **Stocking density and component ratio are crucial in designing a system**
- **“One pump rule” to recirculate the culture water from the lowest to highest portion then use gravity to recirculate water in a close loop**
- **Aquaponics saves water**

RECOMMENDATION

- ☐ Utilize aquaponic polyculture in the production of fish, prawn and vegetables in rural and urban areas**
- ☐ Conduct studies for other crops like rice, corn, taro, water spinach, etc.**
- ☐ Build laboratory, backyard and commercial models**
- ☐ Promote aquaponics as alternative production system**
- ☐**

ACKNOWLEDGEMENT

- ☐ thankful to God**
- ☐ Agricultural Training Institute and DA-BAR**
- ☐ Central Luzon State University, Philippines**
- ☐ Fulbright-Philippine Agriculture Scholarship Program**
- ☐ Sen. J. William Fulbright Program**
- ☐ CEAC, CALS, The University of Arizona**
- ☐ Dr. Kevin M. Fitzsimmons**


THANK YOU and GOD BLESS

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Annex G

**Report on the US Study Tour on the Cooperative Extension
System of Some Southern States of the USA**



**EXECUTIVE STUDY TOUR OF THE
COOPERATIVE EXTENSION SERVICES
OF SOME SOUTHERN STATES OF THE UNITED
STATES OF AMERICA:**

A Report

May 20-June 1, 2013



OVERVIEW

Study tour focused on cooperative extension system of selected southern United States of America, namely:

**Georgia,
Alabama,
Mississippi and
Louisiana.**



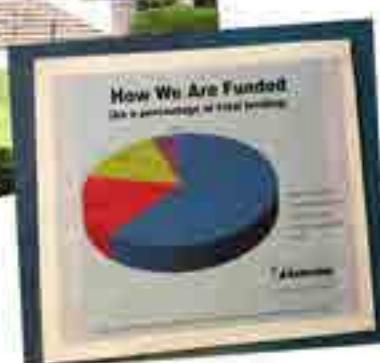


Land Grant System is the origin of USA's Extension Service.

First, classroom instruction...realized laboratories are needed to "discover" knowledge (research)...

then came the need to disseminate information not only in the classrooms but also to the outside world...extension was born.

Extension in the USA will be celebrating its 100th year in 2014.



“Cooperative Extension” means resource partnership (funds , manpower and in kind), working together for extension and not “extension for cooperatives.”



Each of the 4 state universities oriented the group.

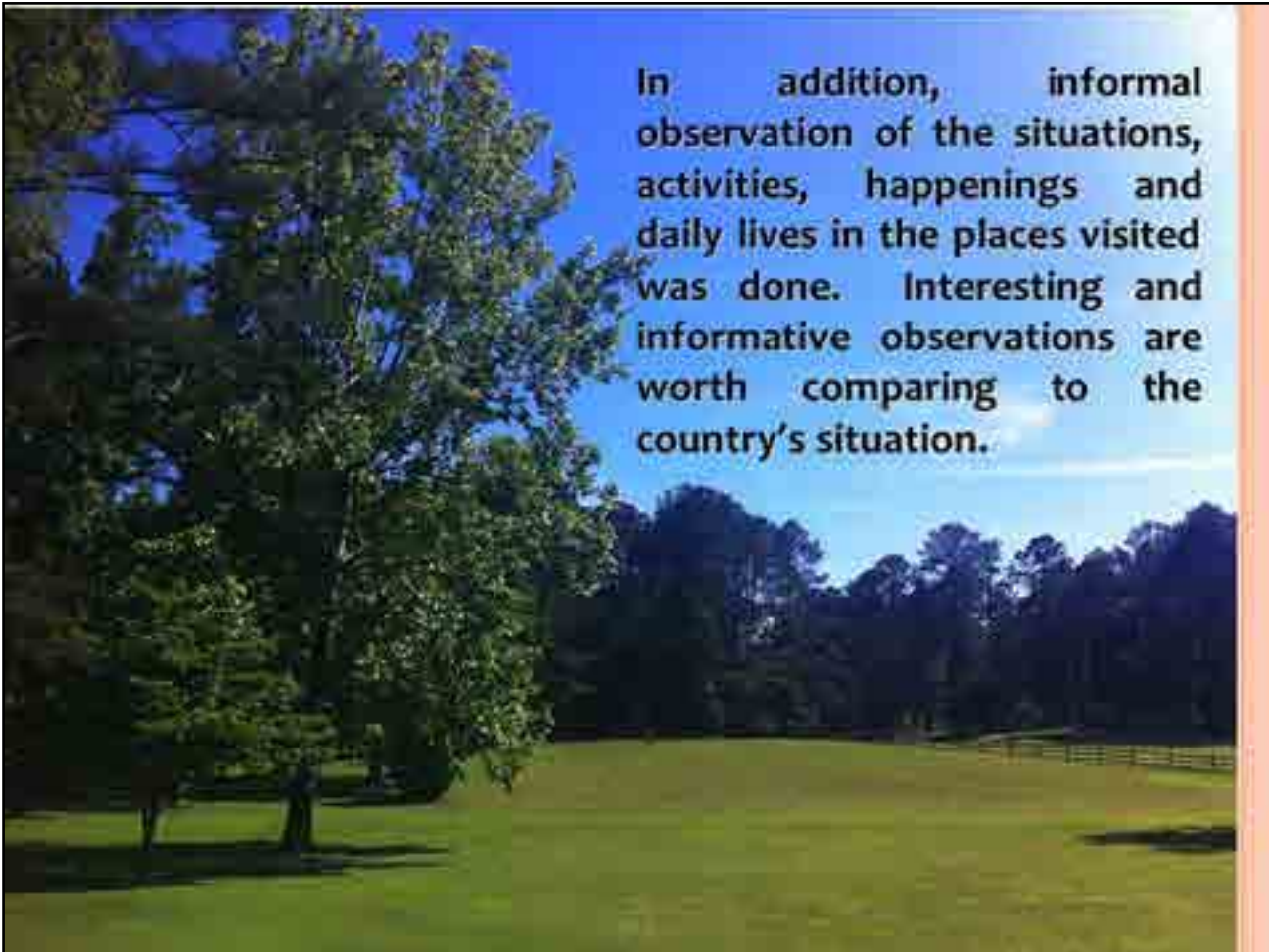
Showed some of their projects and brought the group to their County Extension Offices;

Parish Office also referred to as their “classroom in the field” or “movable school.”



Exchange of notes took place, question and answer/open forum was undertaken for clarity and better understanding. The exchange of information was not limited to agriculture and extension; culture, values, and other relevant aspects were also covered.





In addition, informal observation of the situations, activities, happenings and daily lives in the places visited was done. Interesting and informative observations are worth comparing to the country's situation.

• THE VISIT AREAS AND ACTIVITIES

1. GEORGIA:

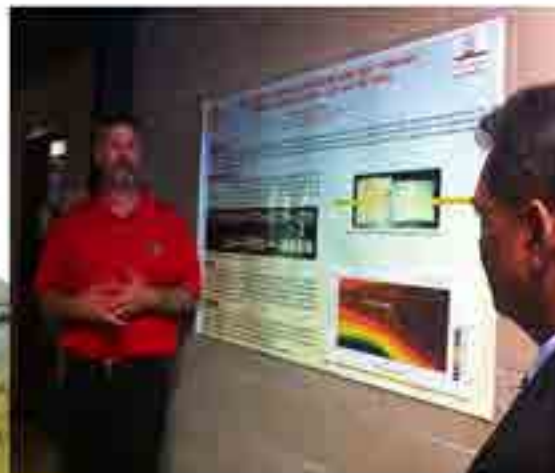
- University of Georgia Cooperative Extension System

○ Welcome Program & Orientation took place at their Conner Hall by Beverly Sparks, Assoc. Dean for Extension.



- University of Georgia as among the top five universities of the USA

- Georgia has 159 counties, 158 with County Extension Office managed by the state university; 2-3 extension agents per county office depending on the size of the county.



Main commodities: peanuts, blueberries, poultry.





4-H Youth Development Program as a major concern of their extension.



• *Agricultural & Environmental Services Laboratory Tour & Orientation (Dr. David Kissel).*

- Strong laboratory service for testing soil,
- plant and household water;
- pesticides & hazardous waste;
- feeds & environment water;
- trace level analysis.





o *Agricultural & Environmental Services Laboratory Tour & Orientation (Dr. David Kissef).*

- Soil analysis as a primary service; "Soil Recommendation in Georgia" serves as the farmers' "bible."
- Results feedback through internet;
- fees are charged for the service except analysis for feeds.
- Service primarily for farmers.



o *Poultry Tour & Orientation (Dr. Scott Russell).*

- Focus on research.
- Claimed as the biggest poultry research center, most efficient system in the world!
- Private companies also provide funds for research.
- Have achieved 18 days incubation only, 3 days finishing; conversion of 1.7lbs feed to 1 lb meat was achieved as a result of their research studies.



- Visit to one county office - Oconee County Extension Office (Monte Stephens).
- This County Extension Office has a strong research component.
- Strong 4-H Youth Development Program; focus on public speaking, information and communication training for their youth.



- **Visit to Rock Eagle 4-H Center with Extension Leadership Team**



- Rock Eagle 4-H Center is the camp site of the state's 4-H members, where annual camp activities are undertaken.



- **Visit to Rock Eagle 4-H Center with Extension Leadership Team**

- Panel discussion at this Center's Founders Lodge Conference Room:

- Emphasized researchers should be connected with the end-users, hence the need to put research and extension together.



Training an important intervention for both the extension agents and the clientele.

Training areas include: HRD, training for child care providers, nutrition and health, agriculture-related and other state priorities.



2. ALABAMA:

Alabama Cooperative Extension System, Auburn University

- *Orientation on Alabama's Cooperative Extension System (ACES), Gary D. Lemme and Team*





- ACES as primary outreach organization for the land-grant mission of Alabama A & M University and Auburn University with the following core values:
- 1) the research-based underpinning of programs, materials and educational activities;
- 2) ability to establish positive working relationships with clients, communities, partners, and stakeholders; and
- 3) relevant programming that addresses current societal challenges and opportunities.



ACES Mission:

"The Alabama Cooperative Extension System collaborates with many partners to help people and communities improve their quality of life and economic well-being.



ACES Mission:

We accomplish this mission by providing educational opportunities and information grounded in research-based science in the following program areas:

- agriculture,
- economic and community development,
- urban affairs and new nontraditional programs,
- family and consumer sciences,
- 4-H and youth development,
- forestry, wildlife and natural resources."



ACES

- Described their extension service as "movable school" to help people improve their lives;
- that person-to-person delivery is still the best;
- that extension is a relationship.
- "Be available, be responsive and be seen;
- look for the underserved."



ACES



- In the delivery of extension service, structure should not be a barrier.
- Attitude and economy are correlated (importance of core values).
- Clear understanding of local needs as basic thing in extension interventions; balance of national and local priorities is done to establish what is relevant to do.



ACES



- Specific Priority Issues 2011
 - Health & Wellness
 - Workforce Development
 - Safe and Secure Food Supply
 - Financial Literacy
 - Sustainable Agriculture and Forestry Systems
 - Environmental Stewardship



ACES



- How the priority issues are addressed:
- Alabama has 67 counties, with County Extension Office, and six (6) Regional Centers manned by specialists of six priority areas.
- Master Gardeners are certified, who serve as “ambassadors” for the Extension Service.
- Agronomic factors included in agriculture.



Visit to Lee County Extension Office



- 4-H Youth Development as its major program;
 - conducts training for 4-H youth,
 - youth camps;
- Availability of reading materials such as brochures, leaflets and handbooks.
- Conduct agricultural fairs to showcase and market farmers' products



- Visit to Fisheries Project and “Rain Harvesting Project”
 - Catfish and cattle fish as main products.
 - Two components: the production areas including a newly established production area in a man-made lake, and the marketing center.
 - The project in-charge has been to the Philippines to study the country’s fish industry.



- Visit to the “rain harvesting project” that collects rain water for irrigation during the dry months.



3. MISSISSIPPI:

- **Mississippi State University Extension Service (MSU-ES)**



Mississippi has 82 counties and 4 Regional Research & Extension Centers with a population of 3 million people only.



- MSU Extension Service is the university's "classroom in the field" with educators and offices in each of the 82 counties; it is a unit of the Division of Agriculture, Forestry, and Veterinary Medicine.



– Extension Mission:

“MSU-ES provides research-based information, educational programs, and technology transfer focused on issues and needs of the people of Mississippi, enabling them to make informed decisions about their economic, social and cultural well-being.”



- Extension to address and respond to critical opportunities and challenges—communities, business and families: timely information, outreach education, technical assistance, and applied research.



– Four main focus of extension:

- *Agriculture and natural resources* – agronomy, horticulture, livestock, poultry, veterinary medicine, pest management, agricultural engineering and agricultural economics.



- *Community resource development* – leadership development, economic analysis, health care, business retention and expansion, strategic planning, tourism development and public water systems.



– Four main focus of extension:

- *Family and consumer science*



- *4-H youth development* – community-based 4-H clubs, special interest groups, school enrichment groups, day camps, individual study programs, after school clubs, military club; about 95,000 youth participating.



- The 4-H program is handled by their 4-H Department;
- Their 4-H categories: community clubs, in-school, after school, and military soldiers' children.



○ **Visit to Oktibbeha County Extension Office (Julie White)**

- Composed of 2 extension agents and 7 experts;
- Extension Agent A takes care of agriculture & forest resources and community resource development.
- Extension Agent B takes charge of family and consumer science,
- Both work together in handling their 4-H youth development program, under the 4-H Department of the university.



- Activities and accomplishments under their 4-H Club program were presented.



- *Visit to College of Forest Resources*

- The College includes fisheries. They consider Mississippi as fish producer.
- Research and production of catfish, cattlefish, fresh water fishes and endangered species.



- Maintenance, development of forest as a major concern, like Alabama.

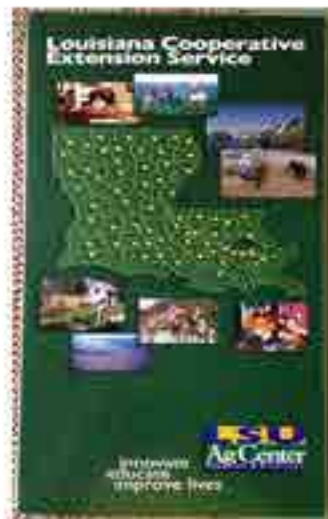
- Wood processing is done to produce construction materials such as plywood and other wood materials.



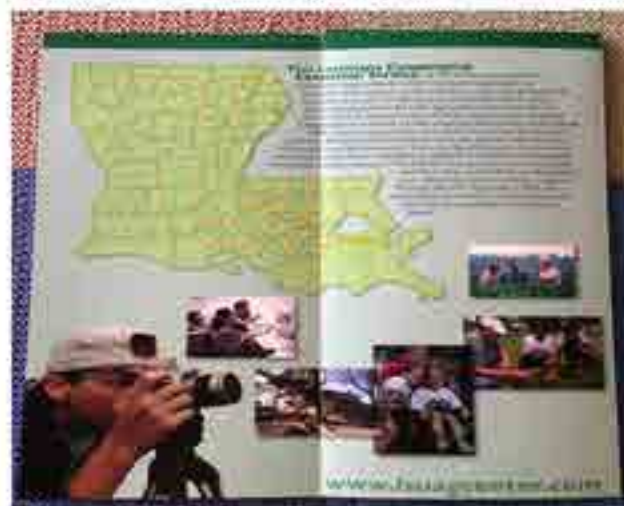
4. LOUISIANA:

Louisiana State University (LSU) Cooperative Extension Service System

- *Orientation Program opened by Chancellor William B. Richardson*



- Louisiana an agricultural state with 64 counties;
- plant commodities include cotton, feed grain crops (corn, grain sorghum and oats), forestry, fruit crops, greenhouse vegetables, hay, home gardens, Nursery stock and ornamentals, peanuts, pecans, rice, sod production, soybeans, sugarcane, sweet potato, commercial vegetables, and wheat; animal commodities include: cattle/calves, milk, horses, poultry, rabbits, ostrich/ratite, quail/pheasant, sheep, goats, swine, and exotic animals.



- The Louisiana Cooperative Extension Service is a division of the LSU Agricultural Center responsible for education and outreach across the state.



- LSU has Parish Offices instead of County Extension Offices for its extension service in the localities, a total of 64 parishes.
- It has a Research and Extension Center with 20 research stations located across the state;
- Rich clients also provide funds for research activities.



Core Program areas:

- ✓ Agriculture and natural resources
- ✓ Lawns and gardens
- ✓ Helping producers master best management practices
- ✓ Protecting the environment and conserving resources
- ✓ Health and family life
- ✓ Housing and emergency preparedness
- ✓ Helping youth and adults be the best they can be
- ✓ Developing state's future leaders





- Strong extension in Louisiana, with tremendous relationship with the clientele; over 3M client calls received requesting assistance for or information.



- 4-H program a critical extension intervention as it serves to "direct" the youth, so need to make it relevant.



- **Wellness Program**
- Nutrition as a critical aspect because America has an obesity problem;
- children and adults have this problem and their number is continuously increasing across the country and the state as well.



❖ GENERAL CHARACTERISTICS OBSERVED/LEARNED AND SOME COMMENTS

✕The Extension Service is lodged in state universities, no other extension service providers. Research is likewise lodged in the state universities; researches are conducted by the university research centers/laboratories and results are delivered/disseminated to end-users (extension) through the County Extension Offices or Parish Offices (Louisiana case). These offices are under the state university Extension Service Centers. Clients served through these offices. Research results are also taught to students (instruction).

In the Philippines, extension is not provided by a single office/agency nor the SUCs. All development agencies, SUCs and the LGUs have their own extension services, anchored on their respective mandates and programs. Agricultural Extension alone is provided by the Department of Agriculture, the LGUs, other development agencies, the NGOs, private sector.

If we are to consider the states of USA as the provinces in the Philippines, this would mean a "provincial level extension service" that would cover the province' priority issues, not only agriculture.

- Research facilities of the universities are state-of-the-art. Provision of information needed by the end-users/feedback is prompt, as the internet is used to do this.

Research facilities in the country needs catch up, compared with that of the US. Use internet not yet maximized.



- Extension service is not limited to agriculture concerns alone. Their extension service is encompassing, anchored on the priority problems/issues of the state; harmonized and integrated. Priority issues usually range from life skills, social skills to agriculture and environmental development. Being the lone extension provider in the state, concerns of all offices/agencies needing extension service are given to the university extension service office for dissemination.

As the country has a pluralistic extension service, the above situation is not done. Like, the Department of Agriculture-ATI and the LGU agriculture offices generally focus on agriculture commodity concerns, although to some extent, some social technology courses are integrated in the training interventions.

It would take another legislation to revise this pluralistic system.



- Family concerns, Health & Wellness and 4-H Youth Development are musts in all states.

In the country, family concerns, health and wellness are handled by the DOH, Nutrition Council, DSWD, and other agencies and NGOs.




- The extension personnel of the Cooperative Extension Service of the state universities and the County Extension Offices/Parish Offices are specialists and are required to undergo higher education to be at par with the university's research and instruction personnel. Most of them are Ph.Ds.

Lately, the DA through ATI, has launched scholarship programs to upgrade the extension system of the country.




- Funding of extension: Funded through federal, state, and county appropriations; federal grants; county donations of office space and utilities and to some extent, appropriations; private partnerships and contracts and grants. USDA also provides funding, both as regular allotment and proposal-based. Salaries of the extension personnel/agents come partly from the universities and partly from the other fund sources; usually, 50% from the state universities.

Funding of extension service is lodged in the agencies/institutions providing such service.



- Strong 4-H Youth Development Program as these 4-H Club youth are envisioned and being prepared to become future farmers. Required age: 9-19 years old. Funding for 4-H youth development program is allocated although such has to be augmented by undertaking fund raising activities.

4-H Youth Development is also part of the DA's programs, with some funding. The age range however, differs; in the country, age limit is 30. Both countries limit membership to the single youth.



- Concept of Master Gardener being accredited.

The concept of Master Gardener is similar to the country's farmer-extensionist.



- Concept of Master Gardener being accredited.

The concept of Master Gardener is similar to the country's farmer-extensionist.



- e-media is highly used, although they also admit that face-to-face extension is still the best.

e-media is just starting in the country.

- Organizational structure of the extension service differ a little among the state universities but all towards “best delivery of extension service in the locality.” As they said, “structure should not affect the delivery of extension.”

With the country's current set-up, extension organizational structure is organization-based.




- On Extension Planning: Commodity-based planning is still being done by some of the state universities; balance of national and state priorities is done; participatory planning – involvement of the clientele – is employed.


Through the AFMP of the AFMA, participatory planning is encouraged.





❖ WHAT COULD BE ADOPTED GIVEN THE CURRENT SET-UP IN THE PHILIPPINES?

As the current set-up in the country can be changed only by legislation, the following can be considered:

- ✓ Aligning research and extension services; both should focus on the priority issues of the country/localities. A general framework for research and extension should be developed and agreed upon to set the direction. .
 - ✓ Close working relationship between research and extension agencies, beginning with the Department of Agriculture (within) then with the SUCs, etc.
- 

- ✓ Inclusion of life skills and social skills in the DA-ATI's training interventions.
 - ✓ Work for function-based planning and budgeting.
 - ✓ Strengthen e-media; farmer-extensionist concept.
 - ✓ Enhance 4-H Youth Development Program; decrease the maximum age, from 30 to perhaps 25 years old.
- 

- ✓ Study the organization of in-school high school 4-H Clubs.
 - ✓ Establishment of 4H Youth Camp and Parks.
 - ✓ Continuously enhance the upgrading program of extension agents
 - ✓ Work for cooperative funding for the extension service.
 - ✓ Long range plan: Legislation needed to amend the set-up of extension in the country.
- 

- ✓ Study the organization of in-school high school 4-H Clubs.
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 - ✓ Work for cooperative funding for the extension service.
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- 



Participants:

- ASEC Edilberto M. de Luna
 - Josyline C. Javelosa, Ph.D.
 - Dir. Asterio P. Saliot, Ph.D.
 - Reynato George A. Maguigad
 - Efren C. Sabularse
 - Carolyn May O. Daquilo, Ph.D.
 - Arlene L. Flores, Ph.D.
 - Pat Andrew B. Barrientos
- Asst. Secretary for Field Operations
Agrkultural Attache', Washington DC.*
 - Director IV, ATI Central Office*
 - Training Center Director, ATI-RTC2*
 - Training Center Director, ATI-RTC 5*
 - Training Center Director, ATI-RTC 7*
 - Training Center Director, ATI-RTC CAR*
 - Training Center Director, ATI-RTC 4B*



For all these, gratitude is due to Dr. Catalino Blanche of the USDA who was responsible in arranging the visit areas; to Dr. Josyline C. Javelosa, Agriculture Attache' based in USA, for her assistance and service to the group for the whole duration; to ASEC Edilberto M. de Luna and Dir. Asterio P. Saliot for leading and guiding the group especially during the orientations and panel discussions that took place, making the activities fruitful.



Annex H

Report on the US Expository Activities on Extension Services in USA

USA EXPOSITORY TRAVEL REPORT

September 1-13, 2013

EMMA K. SALES, Ph.D. and JOSEPHINE R. MIGALBIN, Ph.D
University of Southern Mindanao
Kabacan, Cotabato



Extension is a part of the four-fold functions of all State Universities and Colleges in the Philippines.



A significant social innovation, an important force in agricultural change, which created and recreated, adapted and developed over the centuries.





Purpose of the Expository Travel

To have a closer look at the federal, state and county agriculture extension services (nature of services offered vis a vis the needs of the clientele)



To observe best practices in extension including knowledge management and how it maybe introduced in the Philippines to make extension services more effective and responsive to the peculiarities of an area and people.



University of California Agriculture and Natural Resources: An engine for problem solving





○ The University of California's Division of Agriculture and Natural Resources (ANR) is the bridge between local issues and the power of UC Research.



○ ANR's advisors, specialists and faculty bring practical, science-based answers to Californians.



○ ANR works hand in hand with industry to enhance agricultural markets, help the balance of trade, address environmental concerns, protect plant health, and provide farmers with scientifically tested production techniques and Californians with increased food safety.



▪ 200 locally based Cooperative Extension advisors and specialists

▪ 57 local offices throughout California



▪ 130 campus-based Cooperative Extension specialists

▪ 9 Research and Extension Centers

▪ 6 statewide programs





▪ **700 academic researchers in 40 departments at 3 colleges and 1 professional school:**

- **UC Berkeley College of Natural Resources**
- **UC Davis College of Agricultural and Environmental Sciences**
- **UC Davis School of Veterinary Medicine**
- **UC Riverside College of Natural and Agricultural Sciences**



The group with three Extensionists of the University of California Davis (seated from L to R – Dr. Larry Godfrey, Dr. Daniel Putnam and Dr. Mark Bell)



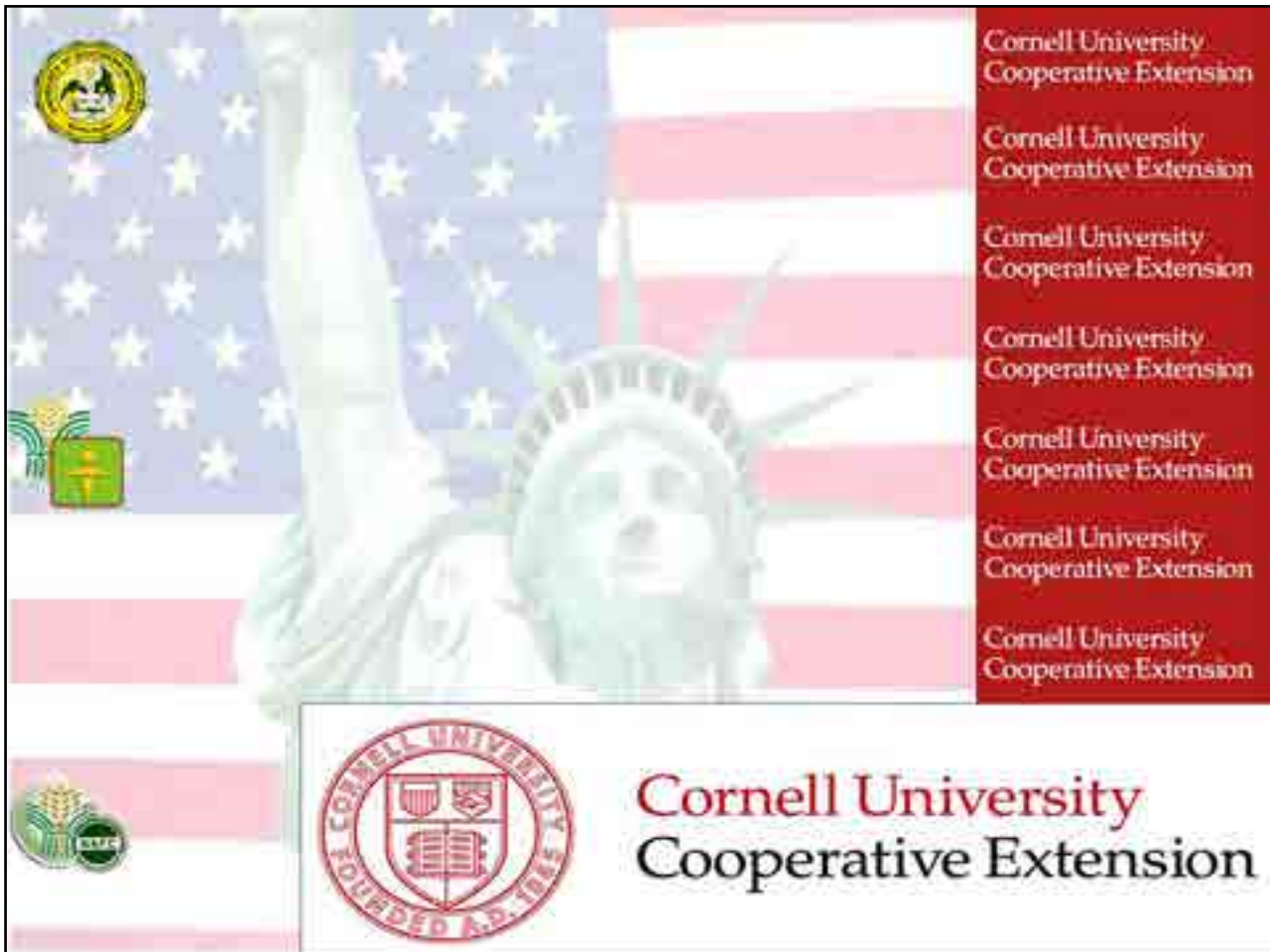


The group with Dr. Jim Hill, Associate Dean of the College of Agriculture and Life Sciences, University of California Davis



The group with Dr. Fred Conte, an Aquaculture/Fisheries Extensionist of the University of California Davis





- ✓ A national leader in creating positive change on behalf of families and communities through rigorously-tested extension programs.
- ✓ Creates measurable change in five priority areas by aligning local needs with the resources and priorities of the land grant system and its state and federal partners.
- ✓ Mission is to put knowledge to work in pursuit of economic vitality, ecological sustainability and social well-being.
- ✓ Brings local experience and research based solutions together, helping New York State families and communities thrive in a rapidly changing world.



Mission Areas

Agriculture and Food Systems

Environment and Natural Resources, Sustainable Energy, and Climate Change

4-H Youth Development/Children, Youth, and Families

Nutrition, Food Safety and Security, and Obesity Prevention

Community and Economic

These areas provide the lens through which decisions regarding program content, funding, staffing, and infrastructure are assessed.



USDA

**United States Department of Agriculture
National Institute of Food and Agriculture**





National Institute of Food and Agriculture (NIFA)

An agency within the U.S. Department of Agriculture (USDA), part of the executive branch of the Federal Government. Congress created NIFA through the Food, Conservation, and Energy Act of 2008.

NIFA replaced the former Cooperative State Research, Education, and Extension Service (CSREES), which had been in existence since 1994.




National Institute of Food and Agriculture (NIFA)


NIFA's mission is to lead food and agricultural sciences to create a better future for the Nation and the world by supporting research, education, and extension programs in the Land-Grant University System and other partner organizations




NIFA's Two Key Mechanisms

To accomplishing its mission of "advancing knowledge" are:

 **National program leadership**. Helps states identify and meet research, extension, and education priorities in areas of public concern that affect agricultural producers, small business owners, youth and families, and others.

 **Federal assistance**. Provides annual formula grants to land-grant universities and competitively granted funds to researchers in land-grant and other universities.



 ✓ Aims to improve economic, environmental, and social conditions in the United States and globally.





Activities



Lecture/Discussion

- ✓ Extension specialists in the three organizations visited by the group presented the extension system of their respective organizations.
- ✓ The Philippine group shared about the Philippine Extension System.





Field Tours

Dixon Ridge Farms, Putah Creek Road, Winters, California.

- ✓ grows, buys, and processes California organic walnuts.
- ✓ established in 1979, it is proud to continue a century-long tradition of family farming.
- ✓ known as a leader in the organic walnut industry; the preferred choice of growers throughout California, and buyers worldwide; and the largest and most established handler of organic walnuts.
- ✓ more than two decades, it has built a relationships and provided its customers with a consistent supply of the finest quality products.
- ✓ vertically integrated farming operation and raise, hull, dry, shell, sort, store, package and sell organic walnuts.



Field Tours

✓ **Tomato Production for Processing, Yolo County, Woodland, California.**

Program goals are to increase tomato crop quality and profitability for clientele.

✓ **Mc Gowan Farm with Don Viands. Alfalfa Forage breeding**





Field Tours

✓ Potato Breeding Farm with Walter DeJong



✓ Cornell University Organic Vegetable Research and Demo Farm with Martha Mutschler and Michael Mazourek



Field Tours

✓ Nelson Hoover's Maple Lane Produce. Nelson and his wife Ruth grow greenhouse and field produce on their 4-acre farm in Yates County.

✓ Nelson has worked with the Cornell Vegetable Program for over 10 years by hosting variety trials, grafting research and much more.

✓ A key individual in the high tunnel movement, Nelson and his family have fabricated 100's of these low-tech greenhouses for growers throughout the Northeast US.





Field Tours

- ✓ Martin's Produce Shack.
- ✓ Ivan and Eva Martin are dairy farmers and produce growers.
- ✓ They operate two high tunnel greenhouses and have cooperated with the Cornell Vegetable Program by hosting twilight meetings, grafting trials and biological control demonstrations.



Pictorials



At Dixon Ridge
Farms, Putah
Creek Road,
Winters,
California with
co-owner Mr.
Russ Lester (4th
from right).



The group with UCB Extension
Specialist
Mr. Eugene Miyas (with wide
brim hat) in a
tomato field.





A farmer, Mr. Walter DeJong, discussing potato breeding to the group



Pumpkin field



The group visiting a high tunnel greenhouse for tomato production

The group visiting a high tunnel greenhouse for tomato production





What is Cooperative Extension?

(Our Observations/Learnings)



Cooperative Extension

A public funded, non-formal educational system



Links education and research resources of USDA, land grant universities, and county governments





Vision

The Cooperative Extension Service is the educational resource for all _____ that serves as a catalyst to build better communities and improve quality of life.



Mission

The Cooperative Extension Service serves as a link between the counties of the Commonwealth and the state's land grant universities to help people improve their lives through an educational process focusing on their issues and needs.





Focus

- ✓ Valuing diversity and capitalizing on its potential to strengthen programs
- ✓ Being locally-driven, flexible, and responsive
- ✓ Empowering people to solve problems, make decisions, and embrace change
- ✓ Applying knowledge and research-based information
- ✓ Accomplishing work through collaboration, volunteerism, and leadership development
- ✓ Developing youth, adults, families, and communities



Cooperative Extension is guided by the principle of

“helping people help themselves” – working with people and not just for them.





The Cooperative Extension Service is the result of a unique cooperative agreement between the following:

- ✓ University (Land Grant)
- ✓ U.S. Department of Agriculture
- ✓ Counties



Cooperative Extension is an

**OUTREACH PARTNER OF
LAND GRANT
INSTITUTIONS**





Other Observations

1. All proposals submitted for funding are research cum extension.
2. Government provides extension workers per county
3. Very strong, active and progressive farmer associations have strong ties and linkage to the academe (e.g Cornell and UC Davis)
4. Farmers trust the expertise from the academe
5. Farmers give funding support for research and extension activities of the academe
6. Student immersion in extension activities
7. Application of E-extension is better in the Philippines than in the US.



Recommendations

- ✓ Extension is the weakest link in State Universities and Colleges (SUCs) and this therefore needs a thorough review on how to strengthen this particular unit.
- ✓ ATI should collaborate with DOST, DA-BAR, CHED in crafting the Philippine Agenda in research whereby extension should be part of the research agenda.





Recommendations

- ✓ Include in the academic program community engagements.
- ✓ Apply (if applicable) the mechanism of the extension function of USDA, CU and UCD.
- ✓ Engage retired professors to be volunteers in different extension services of universities and colleges



Value for Money

Economy

Can we get the same or equivalent inputs for less money?

Would using cheaper different inputs risk the effectiveness, including sustainability?

Would using cheaper inputs risk greater maintenance costs over the life of the project?

Efficiency

Can we get the same results while saving on how we manage the activities?

Would making savings to how the project is managed risk reducing effectiveness, including sustainability?

Would making savings on how the project is managed risk incurring other costs?



Cooperative Extension is a well organized network of professional educators and trained volunteers.



The success of Cooperative Extension is worth emulating and whatever is applicable in the Philippines can be duplicated.



Acknowledgement



**For more pictorials follow us on
Facebook and Instagram 😊**

Thank you!!!



Annex I

Report on Paper Presentation During the 2nd International Conference and Exhibition on Food Processing and Technology – “Handling Post Harvest and Processing of Agricultural food Products in the Philippines: Challenges and Opportunities

EHRDPs Non-degree International Activities

May 13-16, 2013

Lima Park Hotel, Malvar, Batangas

**Highlights of Travel to
Kansas City, Missouri, University of
Maine and Washington State University
October 27 to November 12, 2013**

*Ofero A. Caparino, Ph.D.
PHilMech*

Purpose of Travel

- Presented a technical paper during the 2nd International Conference and Exhibition on Food Processing and Technology held on October 28-30, 2013 in Kansas City.
- Explored possible R&D collaboration with the Washington State University and University of Maine in the areas of food processing and waste utilization of selected Agri-fishery commodities.

Financial Support

ATI-Expanded Human Resources Development Program (PL-480)

- Round-trip international airfare,
- Daily Subsistence Allowance (DSA)
- 75% of the registration fees during the conference

Conference organizer

- 25% for the registration and accommodation fees

PHilMech

- Pre-departure expenses

Personal

- Clothing allowance and other incidental expenses

Places visited



Highlights of Activities (*Kansas City conference*)

The 2nd International Conference and Exhibition on Food Technology, Bioprocess and cell culture

Date: October 28-30, 2013

Place: Kansas City Marriott Country Club Plaza, Kansas City,

Theme: *"Breaking new frontiers through automation and innovation and developing sustainable products".*

Participants: Scientists, engineers, researchers, Journal editors, students and leaders in the fields of food processing and nutrition science, fermentation and cell culture worldwide participated in this event.

152nd OMICS Group Conference

2nd International Conference and Exhibition on

Food Technology, Bioprocess & Cell Culture

October 28-30, 2013 Kansas City Marriott Country Club Plaza, USA

Operated by

Editors:
Journal of Food Processing & Technology
Fermentation Technology
Journal of Nutrition and Food Sciences



Hosting Organization

OMICS Publishing Group
Ph: +1-650-258-8744; Fax: +1-650-618-1414
Toll free: +1-800-216-6499
<http://www.omicsonline.org>

Scientific Partners



Event Partners



Scientific tracks:

- Nutrition, Food Processing & Food Management
- Nutritional Deficiencies & Disorders
- Food Preservation and Quality Control
- Food Technology Applications
- Agri-Biotechnology
- Food Processing and Industries
- Food Processing and Engineering
- Food Security and Challenges
- Food Regulatory Affairs
- Current Research in Food Science and Technology

Scientific tracks:

- Nutrition, Food Processing & Food Management**
- Nutritional Deficiencies & Disorders
- Food Preservation and Quality Control
- Food Technology Applications
- Agri-Biotechnology
- Food Processing and Industries
- Food Processing and Engineering
- Food Security and Challenges
- Food Regulatory Affairs
- Current Research in Food Science and Technology



Effect of drying methods on the physical properties and microstructures of mango (Philippine 'Carabao' var.) powder

O.A. Caparino^a, J. Tang^{a,*}, C.I. Nindo^b, S.S. Sablani^c, J.R. Powers^c, J.K. Fellman^d

^a Biological Systems Engineering Department, Washington State University, P.O. Box, Pullman, WA 99164-6120, USA

^b School of Food Science, University of Moho, Moscow, ID 83844-2312, USA

^c School of Food Science, Washington State University, P.O. Box, Pullman, WA 99164-6120, USA

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ARTICLE INFO

Article history:

Received 9 November 2011

Received in revised form 3 January 2012

Accepted 5 January 2012

Available online 4 February 2012

ABSTRACT

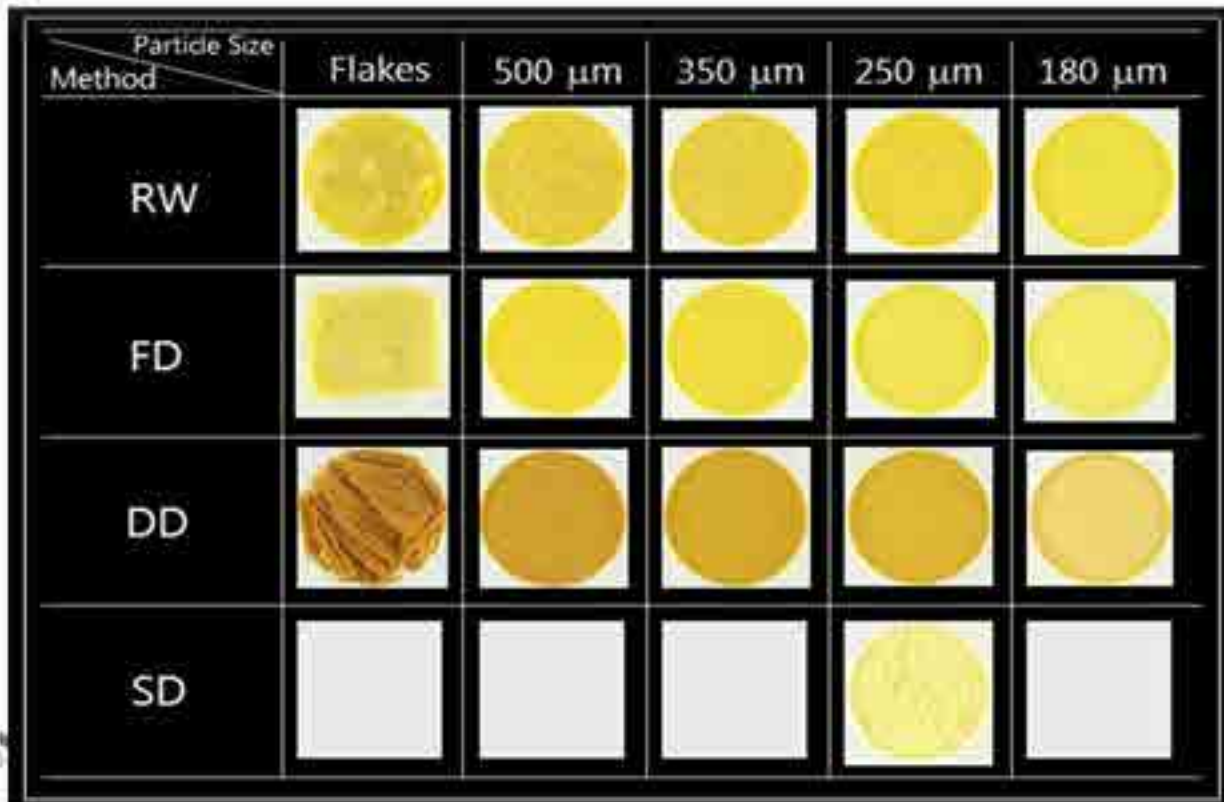
Mango powders were obtained at water content below 0.05 kg water/kg dry solids using Refractance Window[®] (RW) drying, freeze drying (FD), drum drying (DD), and spray drying (SD). The spray-dried powder was produced with the aid of maltodextrin (DE = 10). The chosen drying methods provided wide variations in residence time, from seconds (in SD) to over 30 h (in FD), and in product temperatures, from 20 °C (in FD) to 105 °C (in DD). The colors of RW-dried mango powder and reconstituted mango puree were comparable to the freeze-dried products, but were significantly different from drum-dried (darker).



Ford Foundation International
Fellowship Program
New York, NY



Philippine Center for
Postharvest Development
and Mechanization



Caparino, et al., 2012

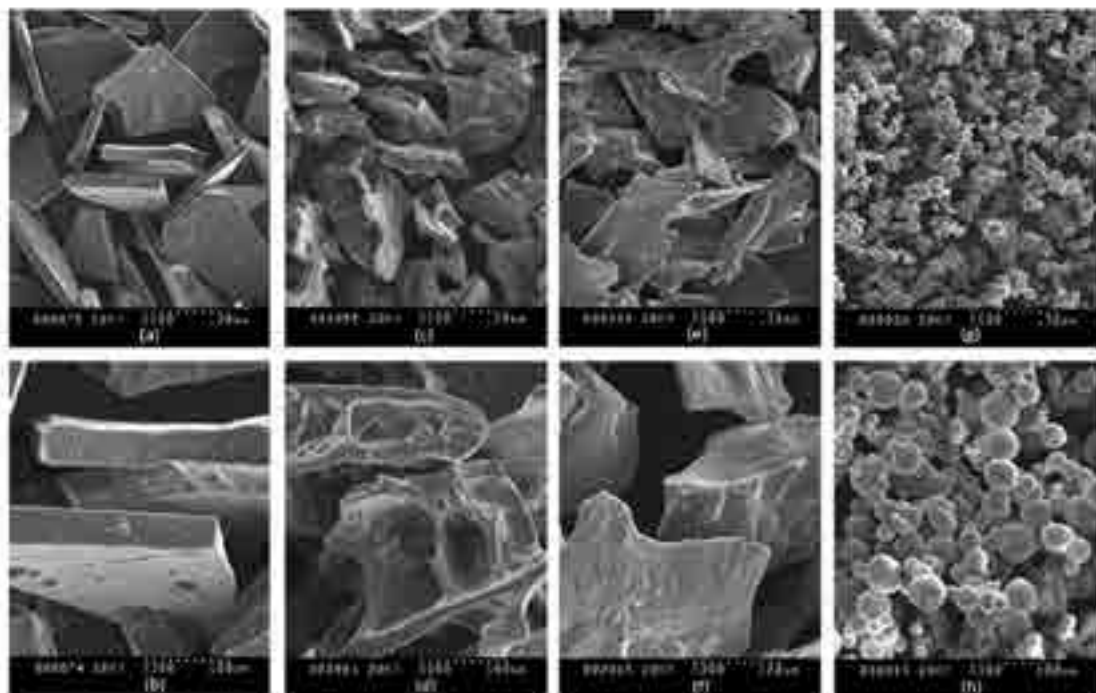


Fig. 8. Scanning electron micrographs (SEM) of mango powders (180–250 μm) dried using Retractase Window[®] drying (a and b), freeze drying (c and d), drum drying (e and f) and spray drying (g and h) (magnification of 300 \times (a, c, e and g) and 3000 \times (b, d, f and h); 20 kV).

Caparino, et al., 2012

Refractance Window (RW) Drying technology



Commercial unit RW™ dryer

RW Drying technology Tested in food and nutraceuticals

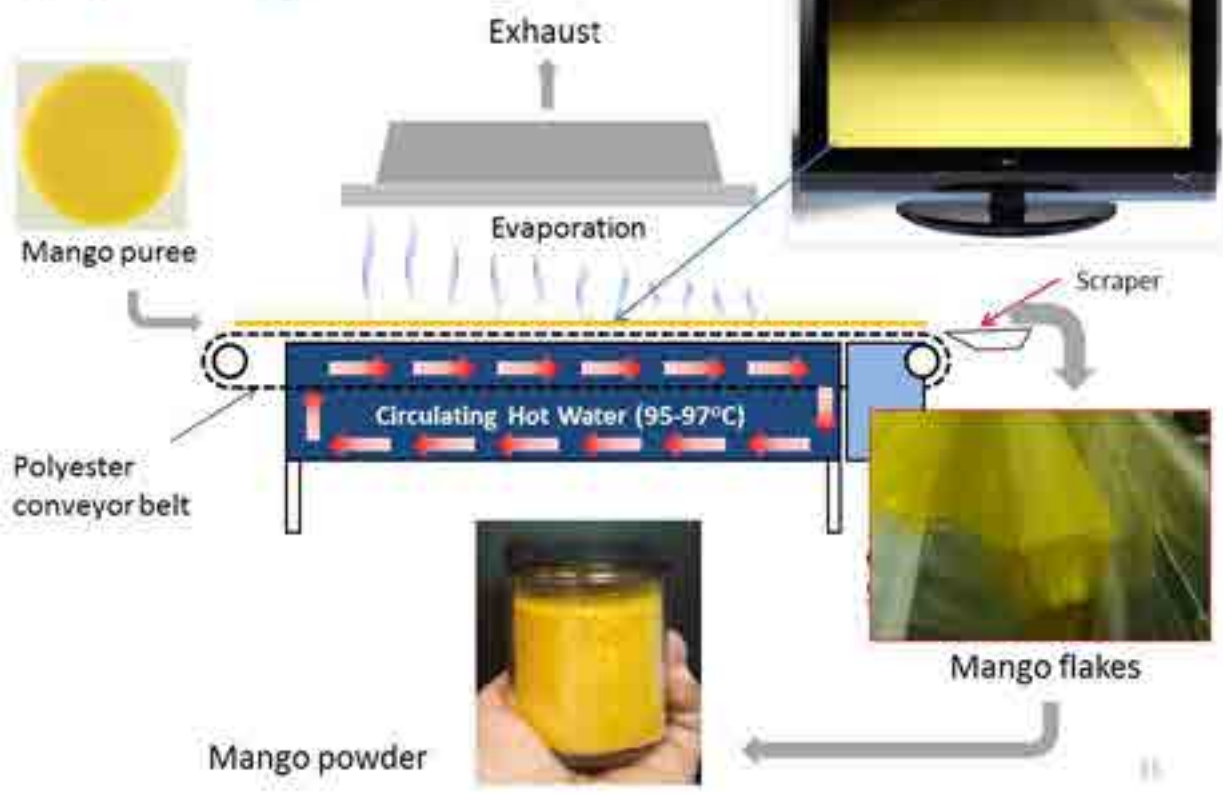
Food



Nutraceuticals



Refractance Window® drying – A Novel drying technology



Produced using a novel drying technology

Storability ?



Oral presentation

 2nd International Conference and Exhibition on
Food Processing & Technology
October 28-30, 2013 Kansas City, USA

Physical and Chemical Stability of Refractance Window®-dried Mango (Philippine 'Carabao' var.) Powder During Storage

O.A. Caparino, J. Tang, S.S. Sablani, B. P. Chew, B. D. Mathison,
J. K. Fellman, J. R. Powers, C.I. Nindo



Ford Foundation International
Fellowship Program
New York, NY



Philippines Center for
Postharvest
Development and
Mechanization

O.A. Caparino, J. Food Process Technol 2013, 4:10
<http://dx.doi.org/10.4236/jft.2013.41010>


Accelerating Scientific Discovery

2nd International Conference and Exhibition on
**Food Technology,
Bioprocess & Cell Culture**

October 28-30, 2013 Kansas City Marriott Country Club Plaza, USA

Physical and chemical stability of refractance Window®-dried mango (Philippine 'Carabao' var.) powder during storage

O.A. Caparino¹, Junling Tang², Skyes S. Sablani³, Beau P. Chew⁴, Bridget D. Mathison⁵, John K. Fellman⁶, Joseph R. Powers⁷, Caleb I. Nindo⁸
¹Philippines Center for Postharvest Development and Mechanization (PhDMech), Philippines
²Washington State University, USA
³University of Idaho, USA

Refractance Window® (RW) drying is a novel drying method that has been proven to produce high quality food powders. However, information on the stability of RW-dried products during long-term storage is lacking. In this study, the effect of packaging atmosphere, storage temperature and time on the physical and chemical stability of RW-dried mango powder was evaluated over 12 months. RW-dried mango powder with a water content of 0.037±0.001 kg water/kg dry solids was stored at 5, 22 and 45°C for 12 months using air-filled or nitrogen-flushed packaging. Headspace in the package, water content, color, ascorbic acid, β-carotene and microstructures of powder were measured at 0, 6 and 12 months. The mango powder stored at 45°C suffered discoloration and ascorbic acid (AA) and β-carotene degradation after 6 and 12 months of storage in both air-filled packaging and nitrogen-flushed packaging. The powder stored at 5 and 22°C had lower nutrient losses and color was retained. Replacing the air inside the package with nitrogen gas was effective in preserving AA in mango powder stored at 5 and 22°C. Nitrogen flushing also reduced the loss of β-carotene after 6 months of storage. The initial microstructure of mango powder stored at 5 and 22°C was preserved after 6 and 12 months. Nitrogen-flushed packaging of mango powder at 5 & 22°C stored for 6 months is recommended in this study to minimize degradation of nutrients during long term storage.

Biography

Oleg A. Caparino has completed his Ph.D. in Biological and Agricultural Engineering/Food Engineering at Washington State University (WSU), Pullman Campus, under the auspices of the Ford Foundation International Fellowship Program-International Institute of Education, New York, USA, and WSU Graduate Research Assistantship Program. He was a recipient of the British Council Scholarship Program and the Philippines Bureau of Agricultural Research Scholarship Program for his Diploma in Agricultural Education and Master of Science in Agricultural Engineering, respectively. Currently, he is the Chief of the Bioprocess Engineering Division of the Philippines Center for Postharvest Development and Mechanization (PhDMech), Philippines.

oleg.caparino@psmi.wsu.edu



Co-Session Chair in three (3) Scientific sessions: Nutrition, Food Processing & Food Management, Food Preservation and Quality Control, and Food Processing and Industries.



The participants during the conference

Highlights of Activities (*University of Maine*)

- Presentation to the group of Professors, researchers and graduate students
- Meeting with Professor for possible R&D collaboration

Highlights of Activities (*University of Maine*)



Handling, postharvest and processing of agricultural food products in the Philippines: Challenges and Opportunities

Oleto A. Caparso

Philippine Center for Postharvest Development and Mechanization (PhilWoods)



DOLETO A. CAPARSO has completed his Ph.D. in Biological and Agricultural Engineering from Engineering at Washington State University (WSU), Pullman Campus, under the auspices of the Ford International Interchange Fellowship Program, International Institute of Education, New York, USA, and WSU Graduate Research Assistantship Program. He was a recipient of the British Council Fellowship Program and the Philippine Society of Agricultural Research Scholar ship Program for his expertise in Agricultural Education and Master of Science in Agricultural Engineering, respectively. Currently, he is the Chief of the Philippine Engineering Division of the Philippine Center for Postharvest Development and Mechanization (PhilWoods), Philippines.

All are welcome
Nov 4, 12-1 pm
219 Little Hall

To arrange a meeting with Dr. Caparso or with questions contact Dr. Babu Nayak (babunayak@maine.edu)



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Highlights of Activities (University of Maine)



School of Food and Agriculture Seminar
November 5, 2013
University of Maine, [Orono](#), ME

Handling, postharvest and processing of selected agricultural food products in the Philippines: *Challenges and Opportunities*

Ofero A. Caparino, Ph.D.
Chief, BioSystem Engineering Division
Philippine Center for Postharvest Development and Mechanization ([PHiMech](#))



Highlights of Activities (University of Maine)



With Dr. Balu Nayak, Asst. Professor, Food Science and his Masters student Jonelo T. Sobreguel (Filipino) Fulbright Scholar

- R&D collaboration in non-thermal processing of oysters and clams, bioactive compounds in selected fruits and vegetables
- Short courses in food engineering
- Graduate Assistantships
- Postdoctoral studies
- Exchange visits

Highlights of Activities (Washington State University)

- Discussions with the Vice Provost of the of WSU's Office of International Programs
 - Modalities on R&D collaboration
 - Exchange / sharing of resources

- Presentation to the WSU BioSystems Engineering Department seminar
 - ✓ Participants were graduate students taking up masters and doctoral studies specializing in food engineering, bioenergy and waste utilization, Professors, Scientists and other professionals.

Highlights of Activities (Washington State University)

- R&D collaboration in thermal and non-thermal processing and waste utilization of selected agri-fishery commodities
- Short courses in food engineering/bioprocess engineering
- Graduate Assistantships
- Postdoctoral studies
- Exchange visits



With Dr. Jerman Rose, Vice Provost of WSU's Office of International Programs

Hiahlihts of Activities (Washinaton State University)



Biological Systems Engineering Seminar

November 8, 2013 [BSysE Seminar Room](#)

Postharvest handling, processing and waste utilization of selected agricultural commodities in the Philippines: *Challenges and Opportunities*

Ofero A. Caparino, Ph.D.
Chief, BioSystem Engineering Division
Philippine Center for Postharvest Development and Mechanization
(PHIMech)



Presentation at Washington State University – BioSystems Engineering Seminar,
November 8, 2013.

Highlights of Activities (Washington State University)



Presentation at Washington State University – BioSystems Engineering Seminar,
November 8, 2013.

Highlights of Activities (Washington State University)



A token of appreciation from the President of WSU Food Engineering Club

Highlights of Activities (Washington State University)



Former Advisers / Professors and classmates

Highlights of Activities (Washington State University)



Welcome lunch/dinner hosted by Filipino Ph.D students and professionals at WSU

Highlights of Activities (Washington State University)

*Exploratory discussion with Gallo
Corporation/G3
Re: adaptation study of a novel drying
technology (RW drying technology) in
the Philippines*

Actions Plans

1. Organize a seminar on extraction of Bio-active compounds from selected plant materials with speakers from either WSU and UM.
2. Join as organizing committee member to 3rd international conference on Food Processing in the US
3. Endorse/encourage PHilMech researchers and colleagues from other institutions to attend the 3rd international conference on Food Processing in the US.
4. R&D collaboration with US universities
5. Work out to send PhilMech research personnel to undergo short course, masters, doctoral and/or postdoctoral studies in the US. Areas of research will be on food processing/engineering and waste utilization of selected Agri-fishery commodities.

Updates of Action Plans

1. Invited two (2) Speakers from Washington State University

Updates of Action Plan



PHIMech

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Pesticide Development
and Mechanization
(PHIMech)
Science City of Munoz
Nueva Ecija
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Human Resources Mgt. Service
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or 0032-281-2883

WELCOME!

Seminar on Cancer Biomarker and Plant Natural Products Discovery

January 16, 2014 / 9am * PHIMech Training Hall, Science City of Munoz, Nueva Ecija, Phil.

Speakers



Biomarkers beyond
proteomics and genomics:
lipid nanovesicles as
indicators of cancer
progression

Jonel P. Saludes, Ph.D.

D. Jonel P. Saludes is an Assistant Professor of Chemistry in the Department of Chemistry at Washington State University (WSU). He obtained a BSc degree in Chemistry from the University of San Agustin de Cebu, Cebu, Cebu (1982), MSc in Natural Products Chemistry at the University of Iloilo, Iloilo, Cebu (1989) and Ph.D. in Organic Chemistry at the University of California Davis, USA (2000). He was a Lecturer (1984-1990) and Assistant Professor and Chair of the Department of Chemistry (2000-2005) at the University of San Agustin. He was a Postdoctoral Fellow in Chemical Biology at University of California Davis (2000-2001) and at the University of Colorado Boulder Colorado (2001-2002) before he joined WSU in 2012. He has published 20 peer-reviewed articles, is a reviewer of five journals, reviewed technical papers at several meetings and conferences, holder of one USA and International patent applications, and is an active member of various professional associations in the USA. He was a Fellow of UNISCO Fellowship in Natural Products and a recipient of RUPAC and RACI South Chemistry Congress Award. His current researches focus on understanding key biological recognition events using the power of chemical synthesis to design and create peptides as molecular probes.



Advancing Plant Natural
Products Discovery Using
MALDI Imaging Mass
Spectrometry

Dorelyn S. Dollray, Ph.D.

D. Dorelyn S. Dollray is an Assistant Research Professor in the Section of Biological Chemistry at Washington State University (WSU). She obtained a BSc degree in Pharmacy from the University of San Agustin de Cebu, Cebu (1997), MSc in Biology at the University of the Philippines in the Visayas (1999) and Ph.D. in Microbiology at the University of New South Wales, Sydney, Australia (2004). She was a Lecturer at the College of Pharmacy and Medical Technology of the University of San Agustin, Cebu (1999-2000). She was a Postdoctoral Fellow in Natural Products Chemistry at University of Colorado Boulder (2001-2002) and a Research Associate IV at the Natural Products Laboratory, Department of Chemistry and Health and Human Sciences, University of British Columbia, Vancouver, Canada (2002-2003) before she joined WSU in 2012. She has published 30 peer-reviewed articles, is reviewer of two journals, presented technical papers in several meetings and conferences, holder of one USA patent, and is an active member of various professional associations in the USA. The current research focus on natural products and precursors of plant-originate compounds, microbiology and microbial chemical biology, natural products chemistry - discovery and characterization of biologically active metabolites from microbes, marine invertebrates, and plants, and elucidation of the mechanism of action (MOA) of antimicrobial compounds.

Updates of Action Plan



Dr. Jonel P. Saludes
Assistant Professor of Chemistry
Department of Chemistry
Washington State University (WSU)



Updates of Action Plan



Dr. Doralyn S. Dalisay
Assistant Research Professor
Institute of Biological Chemistry
Washington State University (WSU).

Updates of Action Plan





Tour of facilities at PhilMech



UPDATES OF ACTION PLAN

Seminar



https://news.wsu.edu/2014/02/07/wsueyes-collaborator-on-drugs-found-in-nature/#.U3tXn_mSxqU

WSU Calendar
WSU Announcements

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WSU eyes collaboration on drugs found in nature

February 7, 2014

By Jane Payumo, Office of International Programs

PULLMAN, Wash. – The potential healing properties of chemicals found in nature was addressed by two Washington State University faculty members recently at a scientific seminar in their home country of the Philippines.



"There was overwhelming interest among faculty, staff and students on the role of natural products in drug discovery and development and how we are advancing the field at WSU," said Dorelyn Dalsay, assistant research professor in the WSU Institute for Biological Chemistry.



"They too have outstanding ideas and research but lack the facilities and equipment to move things forward," said Joseel Saludes, assistant professor in organic and bioorganic chemistry. "I envision collaboration where WSU could help them identify and determine the structure of the compound(s) responsible for the desired bioactivity."

"Talks are ongoing on how we can make this happen," he said. "Hosting of Filipino scholars for short- and long-term visits to WSU on

https://news.wsu.edu/2014/02/07/wsueyes-collaborator-on-drugs-found-in-nature/#.U3tXn_mSxqU

Saludes' research (<http://www.saludeslab.org>) is focused on the interface of chemistry and biology, particularly understanding protein-protein interactions for diagnostic, drug and biotechnology discovery. Dalsay works on drug development and natural products. Both are well-published, well-cited scholars and have ongoing funding.



The Office of International Programs connected the faculty to WSU alumnus Ofiero Caparino, from the Philippines, after he visited WSU last year to discuss potential collaborations, knowledge transfer and training activities between WSU and the Philippines.

Extending WSU outreach

Saludes and Dalsay spoke at the "Seminar on Cancer Biomarker and Plant Natural Products Discovery" organized by the Department of Agriculture's Philippine Center for Postharvest Development and Mechanization (PhilMech), located in central Luzon, one of the major islands of the country. The seminar drew about 140 participants from nine area research institutions.

The two also gave seminars in three academic institutions in the southern Philippines and in Manila.

"Now they know WSU more and are eager to have international research collaboration with us," Saludes said. "We are glad to champion these joint activities with these Philippine institutions."

► All Posts | Research, Top Stories | ◀ bioactive, collaboration, drugs, exchange, Nature, pharmaceutical, Philippines


Updates of Action Plan

2. Membership as co-organizer in the International conference

Young Researcher Forum

- Present your research through oral presentations
- Learn about award procedures and the Young Researcher 2014 and 2015 prizes in your field
- The Young OR gives you a platform and being internationally from international research and their role in your field
- Receive a certificate for outstanding young research
- The award will ensure you opportunity for additional activities with other young researchers and published your research in the journal. All other awards and prizes will be announced in time
- Opportunity for young researchers to learn from the research teams of their peers in making their research or interdisciplinary connections
- Activity database, literature and primary for benefit of researchers and their studies

Best Paper Award

 You will be given about 2-3 minutes to present your papers including questions and answers. Judges will give you a certificate during the evaluation of the paper.

Judges will award certificate for student's excellent research from study interest and knowledge in the area of their research.


- The winner will be announced at the closing ceremony of the conference. The details of the winner will be published in the journal. Winner's abstracts will be published in the journal of conference.
- Agree that the judges' time and resources are given to the winner to share your research with interested colleagues.

Student Fellowship

- Consideration will given to the students who are interested in research and research in OMICS Group Conferences
- Send the request of fellowship to your academic supervisor
- Obtain the letter of support of academic supervisor to consider research with OMICS Group Conferences
- Obtain the permission of your academic supervisor to attend the conference
- Get a letter and present the grant of OMICS Group Conferences as an ongoing fund
- Presenting the conference will be helpful and beneficial for your research

We believe...

*Learning together for a Successful
Research together for Progress
Working together for Success*




Conference Venue
Hampton Inn Tallahassee
4315 Dixon Road, Tallahassee, FL 32310, USA

OMICS Group Conferences


2121 Costa Ave., Suite 118, Vista Lake
Los Angeles, CA 91302-7254, USA
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+1 800-891-0477 (Australia), 0800 080048 (Europe)

Email:
omics@omicsgroup.com
omics@omicsgroup.com
omics@omicsgroup.com
omics@omicsgroup.com

Website:
http://www.omicsgroup.com




**2nd International Conference and Exhibition on
Food Processing & Technology**
1st Week, 2014, July 21-23, 2014



*"Accepting new research and innovation
in Food Processing and Technology"*

Slogan from Congress Chair:
"Food Tech-2014: Better Food, Better World!"

Calligraphy



Invitation

Dear Sirs,

Being on the Scientific Advisory for the 2nd International Conference and Exhibition on Food Processing & Technology (Food Technology-2014) at Las Vegas, USA from July 2nd- 23, 2014, it is my pleasure to invite you to attend this beautiful and productive event.

My personal interest towards this great conference in food processing & technology stems from your experience "producing high quality wheat and the varieties to help planting India's Green Revolution" in this field.

Food Technology-2014 focuses on government/industry standards of expertise covering the specific disciplines. It will be organized by providing more theoretical and practical scientific knowledge. "Accelerating new research and innovation in Food Processing and Technology" will contribute to the improvement of various sectors to create local, national and global impacts of food science.

Realizing it is very useful in being together, we will have the field of food processing and technology covered by discussion of the latest scientific and ideas, and to promote inter-disciplinary discussion.

Confession for this one may help to build up the development of effective environment in food processing, practice and public health.

Our hope is you will be able to meet our all industry and professionals and also to take the conference global future.

With best regards,
 Prof. M. T. Samsudin
 Academic Head, FSTP, UPM (1997)

Scientific Advisory



Prof. M. T. Samsudin
Academic Head, FSTP, UPM (1997)



Prof. Dr. S. S. Ghosh
Professor, IIT Kharagpur



Prof. Dr. S. S. Ghosh
Professor, IIT Kharagpur



Prof. Dr. S. S. Ghosh
Professor, IIT Kharagpur



Prof. Dr. S. S. Ghosh
Professor, IIT Kharagpur

Congress Chair



Prof. Dr. S. S. Ghosh
Professor, IIT Kharagpur

Exhibit at Food Technology-2014

For the exhibition we offer:

- 100 Square meters exhibition area
- High visibility to visitors and all audience widely attended
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- Advertising high quality "Members of Interest" list for 5000 through OMC's Group Journals
- Association with World Class Experts from food industry, academia to discuss the state of technology and technology development
- Great networking & marketing with exhibiting firms

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- Food Science & Technology
- Journal of Food Safety & Food Quality

Symposium

"Special for Asia and India" by UPM-India Student

Workshop

"Work Method and Advances in Food Technology (Part 1) and Part 2" by UPM

Sponsorship Sponsors



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Major Scientific Sessions

1. Trends in Food Quality
2. Emerging Innovations in Food and Beverage
3. Food Safety, Food Preservation, Quality Control and Food System Management
4. Food Physical Chemistry
5. Food Processing and Technology: Innovations
6. Food Microbiology
7. Nutrition and Food Management
8. Food and Food Safety
9. Advanced Application of Food Processing
10. Food Quality Analysis and Instrumentation
11. Food Regulatory Affairs and Quality Assurance
12. Innovations in Food Technology
13. Global Issues in Food Technology
14. Food Security and Food Policy
15. Agricultural Biotechnology
16. Food Processing, Equipment and Cell Culture

Updates of Action Plan



Updates of Action Plan

3. Endorsed Staff / Colleague to join in the 3rd International Conference and Exhibition on Food Processing & Technology

Accepted/Funded:

- ✓ Dr. Ma. Cristina B. Gragasin
Paper presenter: Utilization of Mango Peels as Source of Mango Peels
- ✓ Dr. Michael Gragasin
Paper presenter: Design and Development of Village Level Corn Mill



Benefits to PHilMech

1. Promotion of Philippine products e.g. mango powder
2. Expanded Philmech's network with various researchers, scientists and industry players in the United States and other participating countries.
3. Established R & D collaborations in the area of postharvest, food engineering and conversion of solid wastes into usable products.
4. Possible R&D collaboration with Gallo Corporation re adaptation of a novel drying technology (RW drying technology) in the Philippines.
5. Some of approved research projects for 2014 were influenced by knowledge gained during the trip.

Recommendations

1. Allocate more PL480 travel funds for Researchers / Scientists to present their technical papers in an international conferences in the US and/or attend technical skills training on specific research interest.
2. Balanced allocation of EHRDPs budget to major/priority RDE commodities of the Department of Agriculture.
3. Minimize the number of participants attending in similar course / tour.
4. If not against the EHRDPs policy, create an external evaluators in the selection of participants
5. Provision of DSA during the period not covered in the invitation (e.g.

Kansas - Oct 27-30

Oct 31-Nov2 – No DSA

UM - Nov 3-5

WSU - Nov 6-10

Acknowledgments

- ATI-EHRDs Program (PL 480) for full financial support
- Washington State University for organizing my visit
- University of Maine for organizing my visit
- FoodTech 2013 conference Organizers for providing 25% waiver of my registration fee
- Department of Agriculture for granting me travel authority
- PHilMech for allowing me to travel on official time

Thank you..

Annex J

**Report on the US Visit in Extension and Research Facilities, MOA
Signing with Various Universities**

EXPOSITORY VISITS ON EXTENSION IN THE UNITED STATES

December 8-18, 2013

**Dr. Maria Luisa R. Soliven
Dr. Luzviminda T. Simborio
Dr. Emmanuel T. Baltazar
Dr. Victor B. Amoroso
Dr. Maria Estela B. Detalla
Dr. Jose A. Escarlos, Jr.**

*Central Mindanao University
Musuan, Bukidnon*

STATES/INSTITUTIONS/ FACILITIES VISITED

CALIFORNIA

California Academy of Sciences
University of California at Berkeley

PENNSYLVANIA

Pennsylvania State University

NEW YORK

Cornell University



CALIFORNIA ACADEMY OF SCIENCES
Golden Gate Park, San Francisco, California

**Memorandum of Agreement (MOA) - signing
between CMU and CAS on research
collaboration in botany and biodiversity**

OBSERVATIONS

- The CAS Museum is the greenest museum of the world. It is built out of the rubbles of the old museum which was destroyed during one of the strongest earthquakes which hit San Francisco
- It has green roofs

- CAS has about 20 million research specimens, one of the richest collections in the world. The rooftop holds 17 million plants that are endemic to California
- It has a unique extension service to the citizens of California and the whole of the United States by providing educational lectures, hands-on activities, internships and actual experiences
- CAS is an active member of the Bay Area Youth Media Network(BAYMN), that believes that media can be used to engage the youth for social change

LEARNING

Museum

Multipurpose concept of facilities to maximize utilization of resources

Green Roof

Eye opener technology for conservation of mother earth and cooling a building

UNIVERSITY OF CALIFORNIA at Berkeley



- UC Berkeley Botanical Garden
- Jepson Herbarium



OBSERVATIONS

- A non-profit research garden and museum of UC-Berkeley with one of the most diverse collection of plants in the US (including the rare and endangered)
- The Jepson Herbarium has one of the largest collections in North America. It is fully-equipped with facilities that can preserve specimens collected in the 18th century
- The facility provides assistance to people in all walks of life (students, researchers, etc.)

Learning

Botanical Garden and Museum

Multipurpose concept of facilities to maximize utilization of resources



PENNSYLVANIA STATE UNIVERSITY

University Park, Pennsylvania

- Animal Disease Diagnostic Laboratory
- Biosafety Laboratory

OBSERVATIONS

Animal Disease Diagnostic Laboratory (ADDL)

- The ADDL maintains a community outreach program in cooperation with the industry. Their membership to the National Animal Health Network (NAHN), enables them to harmonize common diagnostic procedures.
- They are responsible for the Pennsylvania Egg Quality Assurance Program that ensures safe and high quality eggs in the market.

Biosafety Laboratory

- The PSU Biosafety Laboratory is a very new facility and a Level 3 laboratory that can detect new pathogens
- Level 3 laboratories possess state-of-the-art diagnostic facilities



Learning

A university can be of great help to countryside development by sharing the various expertise and facilities available in the University



CORNELL UNIVERSITY
Ithaca, New York

Observations

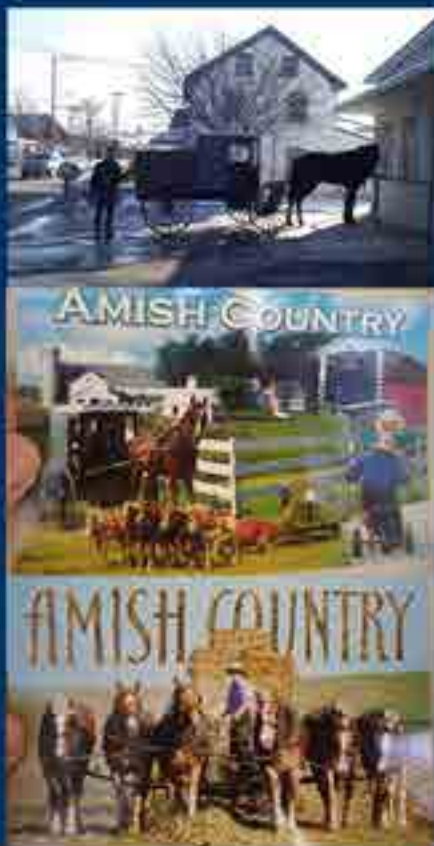
- The group visited the Teaching Dairy Barn (TDB) which was very impressive; the high-milking cows were uniformly fed and milked. It supplies the state of New York and the University with quality milk
- It has a modern milk processing plant. Although small but designed as scalable for commercial purposes.



- Cornell University maintains greenhouses and growth chambers for smart-innovative researches hosting about 400 projects annually.
- High tech research facility tailored to locality's condition
- They have student farm
- They conduct farm work party

Learning

- Community-needs based R and E
- Engagement of students in the farm updates them on the latest farming technology and management, and develops in them the values of teamworking
- Farm work party develops the spirit of volunteerism, and delivers enjoyment while working



AMISH ORGANIC FARMING VILLAGE

Intercourse,
Pennsylvania

**PHILLIPS
MUSHROOM
FARM**

**Kennett
Square,
Pennsylvania**



**LONGWOOD
GARDENS**

Kennett Square, Pennsylvania

**Our heartfelt
thanks and gratitude to
ATI for the opportunity
and the funding!**

Observation

**Glass garden contained many
economic species of plants and
commercial products displayed**

**Treatened, Endemic and
economic plants can be
propagated in a Greenhouse**

Annex J.1

D.A. Team Report

D.A. TEAM REPORT

ACSC, NAFC, PHILMECH | DECEMBER 10, 18, 2013

CONTEXT

- The itinerary of the study tour was arranged by the Central Mindanao University
- Last minute changes in the list of participants
- We were included on the list barely ten days before departure
- The DA Team does not know exactly what we will do but only guided by the study tour mission
- On that basis we just rode on the proposed IT to visit two Universities and the other places we just decided while the tour was ongoing

PURPOSE, DATES AND PLACES OF TRAVEL

- Expository and benchmarking activities on research and extension services in US Universities and other related institutions
- December 10-18, 2013
- Pennsylvania State University, Main Campus University Park, Pennsylvania
- Cornell University, Ithaca, New York
- Maple Farm Produce Market, Lancaster County, PA
- Hershey's City, PA

PENNSYLVANIA STATE UNIVERSITY MAIN CAMPUS



PENNSYLVANIA STATE UNIVERSITY
MAIN CAMPUS



PENN STATE U



CORNELL U



CORNELL U



CORNELL U



SHADY MAPLE PRODUCE MARKET



SHADY MAPLE PRODUCE MARKET



SPECIFIC PURPOSE

- The study tour served as benchmarking activity in the state and trends of agricultural extension services in the selected universities and allied institutions which will be the basis for development of relevant programs to deliver extension support, educational and training services to the agriculture sector.
- The study tour kept abreast the participant in the crafting of relevant and appropriate extension programs in postharvest and mechanization.

DA ATTACHED AGENCY PARTICIPANTS

- Dr. Jovita Corpuz, Executive Director, ACPC
- Ms. Ma. Cristina Lopez, Director II, ACPC
- Ms. Diosile Arida, Division Chief, Admin, NAFC
- Dr. Rodolfo P. Estigoy, Chief Science Research Specialist, PHilMech

ACTIVITIES DONE (PSU)

- Our host was Dr. James Dunn, Professor of Agricultural Economics, College of Agricultural Sciences
- He briefed and oriented us on CAS thrust and programs in research and extension
- Tour to research and extension faculties like the Animal Diagnostic Laboratory, and Biosafety laboratory
- Meeting with Agricultural Economics, Sociology and Education Faculty to exchange notes on Research and extension programs

ACTIVITIES DONE (PSU)

- Briefing on horticulture and plant science department research and extension programs
- Briefing and orientation on AGRI PROGRESS DAY (extending R&D results where presentations and displays, demonstrations and tours are done in one place for three days)
- Visit to greenhouses because we cannot visit demo farms in winter.
- Limited movements around the campus because of snowstorm

ACTIVITIES DONE (CORNELL U)

- Dr. Michael Hoffman, Director of University Agricultural Experiment Station and Associate Dean, College of Agriculture and Life Sciences was the host
- He oriented and briefed the Team the overview of the CU Agricultural Research Station, its current thrusts and programs
- He discussed pressing issues posing as threat to agriculture like climate change and the University's contributions to mitigate the problem

ACTIVITIES DONE (CORNELL U)

- Presentation about the Dunhill Student Farm- an innovative approach to attract young people to try agriculture through participatory and hands on farm activities and projects like organic agriculture
- Group meeting with faculty and research staff to discuss issues and problems related to research and extension and the possible collaboration efforts bet CU and the Philippines
- Quick tours to Teaching Dairy Barn, New Dairy processing Plant and greenhouses

ADDITIONAL OBSERVATIONS

- Research and extension facilities at the two universities are top-of-the-line, state-of the-art facilities that can respond to strategic thrust and programs of the institutions
- Funds to R&D do not only come from federal and national governments but also from farmers and private institutions benefitting from the R&D results
- PSU and CU have a world class research farms that are bridge between academic discovery and commercial application which contribute to a thriving economy

ADDITIONAL OBSERVATIONS

- They have systematic and integrative extension modalities including the following
- popular field days to attract farmers and producers,
- agri progress days to showcase R&D results in interactive, family oriented and fun manner
- Local school tours
- Student farms to attract young people to agriculture
- Popularized R&D findings to suit extension clientele
- Researchers popularized their technical recommendations, through IEC materials
- Teaching dairy barn for mentoring and coaching entrepreneurs

SIDE TRIPS TO OTHER INSTITUTIONS

- Shady maple farm produce market
- AMISH community market that sells organically grown produce
- Organic or traditional agriculture is not a program but life itself (lifestyle), they live it, their lives and livelihoods revolve around it
- Cannot go to farm sites because it was winter

SIDE TRIPS TO HERSHEY'S

- Quick tour to Hershey's chocolate world the biggest chocolate processing facility
- Tour of the facility showed how processing of chocolate is done from cocoa beans producing countries to delightful chocolate products like bars and kisses
- The US does not produce cocoa beans but get these from tropical and African countries.
- Inter active mode of engaging clients like making your own bar, high tech 3D theater and amusement activities in the PARK

OTHER PROPOSED IT

- Long Island Experimental Station, New York
- Washington, D. C

REFLECTIONS/LESSONS LEARNED

- The expository and benchmarking tour has widened the horizons of the participants in terms of how developed countries like the US do their RD&E in the agriculture sector.
- Extension modalities like agri-progress day, student farm, dairy teaching barn and other adult learning methodologies can be localized or contextualized
- The interphase between research and extension is optimized because these institutions both conduct research and extension

- Research is demand driven by the industry so extension is efficient and effective
- Research results are packaged in such a way that these meet the needs of the clients through popularization of research results, provision of interactive ways that everyone can appreciate these like integrating fun and family activities into the agricultural shows
- Extension function of the Universities visited is very strong adopting the cooperative extension scheme under the land grant agreement

ON ADMIN NOTES

- More thorough planning of the study tour including the IT, administrative arrangements like selection of participants, longer duration to maximize exposure and more specific mission objectives
- The timing of the study tour was not convenient because it was winter in the US. It was the worst winter in the West Coast according to residents. Three days out of the eight day stay, there were snow storm.

THANK YOU



Annex K

**Report on Study Tour of the Cooperative Extension System
in the USA**

OBSERVATIONS AND LEARNINGS IN THE US TOUR



DATE OF TRAVEL: DECEMBER 15-22, 2013
**STATES VISITED: WASHINGTON DC,
NEW YORK, NEW JERSEY, PENNSYLVANIA**

USDA NIFA, WASHINGTON DC
DECEMBER 16, 2013

The US Cooperative Extension system is anchored to the land-grant universities which are the front door to extension at grassroots level



Land-grant universities are supported by NIFA by funding extension mission and to supplement annual state and county funds

USDA NIFA, WASHINGTON DC
DECEMBER 16, 2013

**Implemented project called
Extension Disaster Education
Network (EDEN)**



Program focus on rapid
response to areas
affected by disasters
aimed to reduce impact
of such disasters.

USDA NIFA, WASHINGTON DC
DECEMBER 16, 2013

**Agricultural and
Environmental Extension**



Premier online education
to ensure abundant and
safe food supply to all.

Climate Change and Bioenergy Extension



- Extension programs towards adapting changing weather patterns
- Sustain economic vitality while also reducing greenhouse gas emissions
- Increasing carbon sequestrations

Small Business Innovation Research



An applied science technology transfer program that cater to small business

Discussion on cooperative extension program that includes 4-H, nutrition and health and market maker



Extensive 4-H program which cultivates the importance of life skills in the youth

Discussion on cooperative extension program that includes 4-H, nutrition and health and market maker



Promotion of healthy eating, food safety, health and wellness and urban and rooftop agriculture

Discussion on cooperative extension program that includes 4-H, nutrition and health and market maker



MM is an internet-based market trading system. It is a web-based and phone app platform that links food producers to new markets

Visit to existing projects on hydroponics, aquaculture and aquaponics done in high rise buildings



The Nutrient Drip Flow Technique (NDFT) is used in hydroponics to produce 2 million hills of lettuce in 1 acre space /year.

CORNELL UNIVERSITY COOPERATIVE EXTENSION (CUCE) LAB., NEW YORK
DECEMBER 17, 2013

Visit to existing projects on hydroponics, aquaculture and aquaponics done in high rise buildings



The Biologically driven re-circulating High Speed System (BHS) aquaculture technology is used to produce tilapia at 2 lbs/gal water per harvest

RUTGERS UNIVERSITY, NEW BRUNSWICK, NEW JERSEY
DECEMBER 18, 2013

Discussion on Community Supported Agriculture (CSA) extension Strategy



CSA is an extension model of shared service and responsibility and values volunteerism, mutual understanding, partnership and political support

RUTGERS UNIVERSITY, NEW BRUNSWICK, NEW JERSEY
DECEMBER 18, 2013

**Discussion on Community
Supported Agriculture (CSA)
extension Strategy**



CSA identifies and determines food needs of the community which can be produced locally & deliver these farm goods to the buying public at intervals.

RUTGERS UNIVERSITY, NEW BRUNSWICK, NEW JERSEY
DECEMBER 18, 2013

**Discussion on Community
Supported Agriculture (CSA)
extension Strategy**



CEO caters to urban youth & help address prevailing problems of drug addiction, crime and broken families, urban agriculture & leadership development

Discussion of EARTH Center.

It envision farmers fighting against hunger by means of environmental conservation, agriculture, research, teaching/training and health.



Earth Center provides sound research-based information to meet the needs of country residents.

Discussion of EARTH Center.

It envision farmers fighting against hunger by means of environmental conservation, agriculture, research, teaching/training and health.



The 4-H Program & Supplemental Nutrition Assistance Program (SNAP-Ed) aims to reduce hunger, prevent obesity, improve nutrition, food safety and accomplished thru community-based projects.

Discussion of EARTH Center.

It envision farmers fighting against hunger by means of environmental conservation, agriculture, research, teaching/training and health.



Cooperative Extension Service covers wide ranging programs which includes:

- Consumer Science Service,
- Agricultural economics, private land issues, energy development and contract leasing,
- Obesity problems

Discussion of EARTH Center.

It envision farmers fighting against hunger by means of environmental conservation, agriculture, research, teaching/training and health.



- Master Gardener program is an extension modality that encourages recruitment of volunteers as extension workers
- Volunteers come from all walks of life including retired professionals & they view their activities as a social concern

RECOMMENDATIONS

Extension programs implemented with success in USA may be a model in crafting similar programs to suit local conditions and implement in the region on pilot basis.



ATI in collaboration with SUCs may offer Master Gardener course to college students and instructors focused on food & water safety concern, food security and food production

RECOMMENDATIONS

Extension programs implemented with success in USA may be a model in crafting similar programs to suit local conditions and implement in the region on pilot basis.



Extension may involve volunteer members like youth, families and farm workers not only in rural areas but also in urban areas

RECOMMENDATIONS

Always start with little ideas and projects that are doable



Collaboration with Cornell University re: NDFT & BHS technology for adaption in the country

RECOMMENDATIONS

The 4 H Youth Development Program may be the platform of youth empowerment in lieu of the Sangguniang Kabataan



Strengthening 4 H program through various school levels



End of presentation

TRAVELMATES:

**AL P. CAMAYA
MARITES P. COSICO
VIRGINIANO G. GARO
MA. ASUNCION B. SOTTO
CAROLYN O. TABANGCURA**

Annex L

**Report on Attendance to the Course on Certified Knowledge
Manager at KM Institute in Virginia, USA and Study Tour
at USDA-NIFA and at CU Cooperative Extension**



**USDA NIFA
Washington DC**



**CU Cooperative Extension
New York City**



**USDA NIFA
Washington DC**





US Cooperative Extension

- **translates** science for practical applications; **engages** with public by providing reliable information leading to positive action; and **transforms** individuals, families, communities and businesses in rural and urban areas



US Cooperative Extension

- is committed to make the world a better place through research, education and extension focusing on **sustainable energy, food safety, climate change, nutrition and health, and food security and hunger**



US Cooperative Extension

- EDEN
- Agric'l & Environmental Extension
- Extension Services in Serbia
- Programs in Insular Areas
- Climate Change & Bioenergy Extension
- Small Business Innovation Research
- eXtension & Sustainability



Learnings

- reducing disaster impacts through education
- working with local communities and finding heroes
- enhancing partnership that put experience and research knowledge to work



Learnings

- rating "success" based on who came back after an activity to ask for more questions or info
- enhancing Community of Practice (CoPs) as learning networks
- emphasizing social benefits of programs/projects



Action Point

Enhancement of AFE Partnership

- ✓ creation/strengthening of Community of Practice
- ✓ development of cutting edge and culturally sensitive projects



Action Point

- ✓ development and implementation of integrated programming – integrating two of the three (research, extension, education) in a project



CU Cooperative Extension New York City





CU Cooperative Extension New York City

- empowers clients via partnership with organizations and businesses
- facilitates the communication, which clarifies and refines issues and solutions leading to program that are supported by research and are appropriate to the diverse need of NY residents



Urban Extension Programs

- MarketMaker
(<http://nymarketmaker.cornell.edu>)
- Nutrition and Health
- Urban Environment
- Family and Youth Development
- Food and Finance High School
- Marine Environmental Lab
- Horticultural Research and Extension



Learnings

- make website robust – educational, trading/enterprise, etc
- tie up with community/faith-based organizations as “food hubs”
- employ “learning right at the field or learning by doing” (walk for wellness, cut the junk, dollar power)



Learnings

help improve environment thru:

- healthy soil, healthy communities
- healthy gardens, healthy youths
- housing energy enhancement
- environment-friendly gardens





Learnings



- involve youth in research, education (STEM) and extension (outreach projects) activities
- adopt “train the trainer” model for youth leaders



Learnings

- tap and train local volunteers to work in research and extension activities that provide benefits to the community





Action Point

Enhancement of e-Extension Program

- ✓ Re-think Learning (e-Learning)
- ✓ Expansion of e-Extension portal/services to activate e-Trading patterned after MarketMaker

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Annex L.1

Certified Knowledge Managers Training Program



Certified Knowledge Managers Training Program

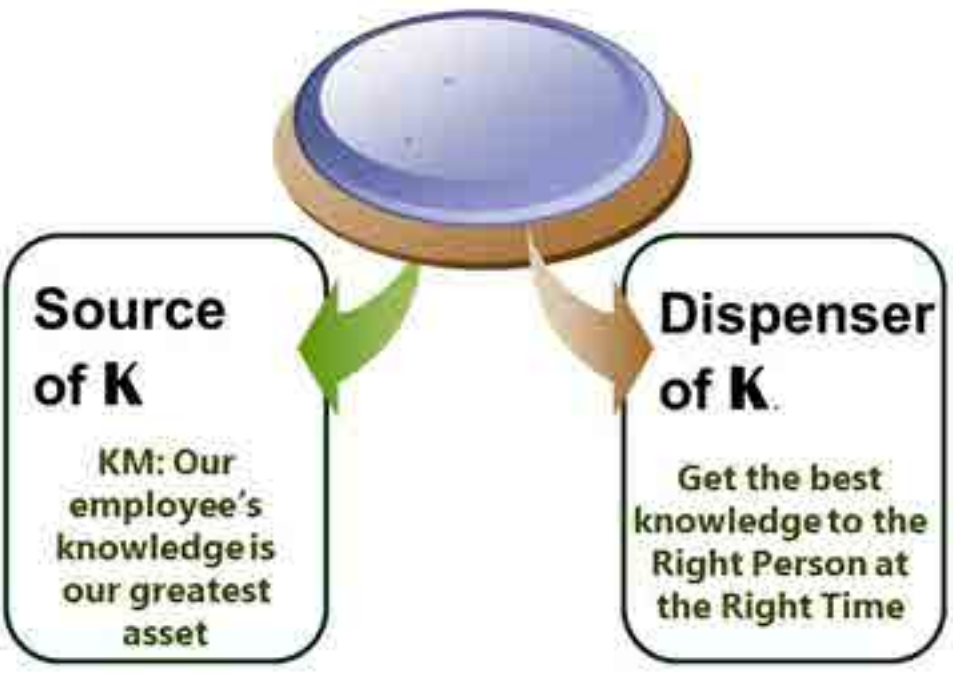
Enter →

A. Arceo, PM. Mappala, L. Inciong, M. Dacapias,
AP Martinez, N. Maddalora, G. Pungay, DB
Baltazar, HG Taganas, FV Babanto and NB
Macario



WIIIFM?

What's In It For Me?



KM

- 1 Focuses on Knowledge Intensive Activities
- 2 An ongoing strategic program, a catalyst for cultural transformation that enables the knowledge age
- 3 Powered by multi-disciplined teams
- 4 Geared to exceed organizational objectives at acceptable risks.





**Are we
prepared for
the Knowledge
Age?**



POLICY DIRECTION



YES!!!

AGRI & FISHERIES EXTENSION FRAMEWORK



Enhancing Access to AFE Knowledge Products and Services

Strengthening Competitiveness and Capacities of the AF Sector

Expanding Partnerships in Advancing Excellence in AFE Delivery

Scaling-Up AFE innovations

Strengthening AFE Stakeholders' Capacity in Climate Change Adaptation & Readiness

Improving Enabling Environment and Quality of Governance

**EFFICIENT
and EFFECTIVE
AGRIPINOY
EXTENSION
KNOWLEDGE
MANAGEMENT**



**Productive
and
Empowered
Individuals
and Groups**

**SOCIO-
ECONOMICALLY
PROGRESSIVE
RURAL
COMMUNITIES**



PDP GOALS (2011-2016)

- Food Security Improved and Incomes Increased
- Sector Resilience to Climate Change Increased
- Policy Environment and Governance Enhanced

KM INSTITUTE™

THE GLOBAL STANDARD FOR KM CERTIFICATION & TRAINING

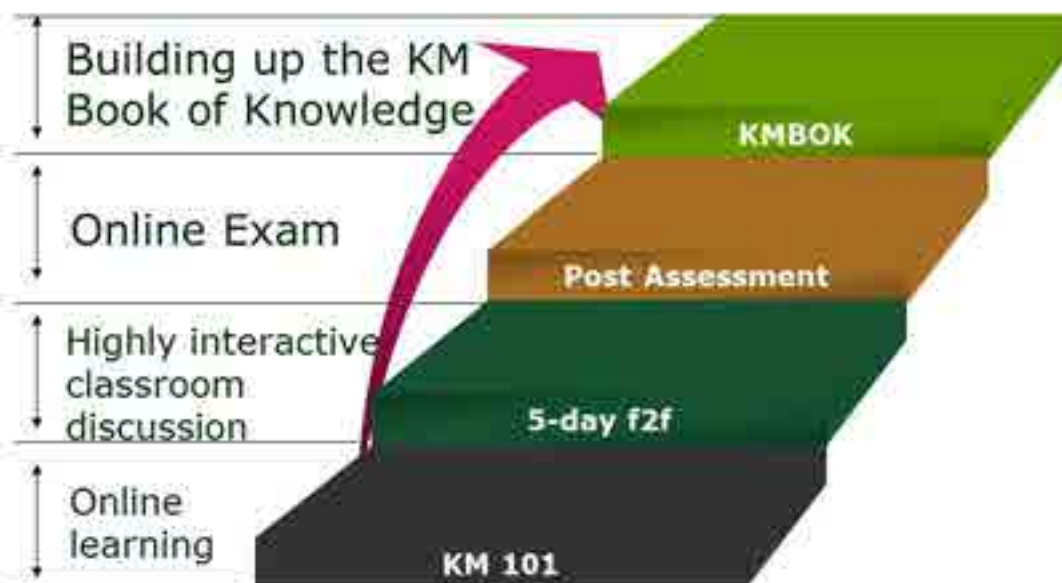
**Sheraton Reston, Reston, Virginia
December 9-13, 2013**



Our Class



CKM Program

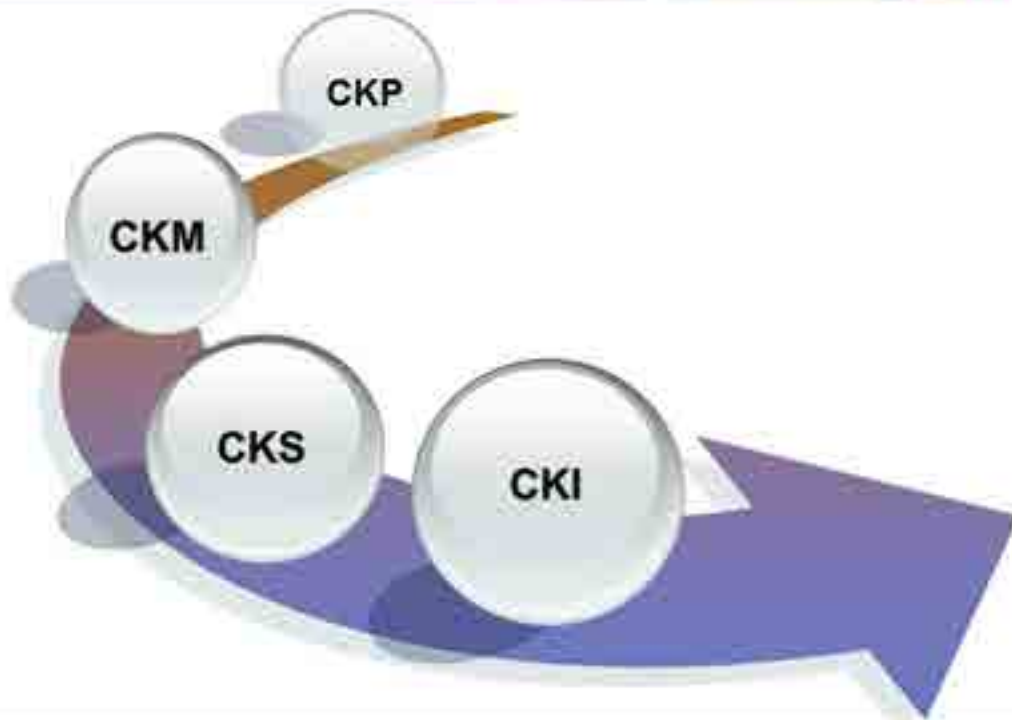


KM 101

- 1 Mandatory online learning
- 2 Composed of 10 learning modules
- 3 consist of around seven hrs online viewing
- 4 Short quizzes embedded in the technology
- 5 Foundational Learning



KM Certification Program



K Modes
K Processes
New K paradigm

**Funda
mentals**

KM Bulls
KM Squirrels

**Principles
& Tactics**

**Metho
dology**

Crapper Principle
Choice
Supply and Demand
Throw away the box

**KM
Topics**

Project Mgt.
Process Mgt.
New K Creation,
meetings etc.

KIAs

**Hot
Topics**

Taxonomy
Brain Mapping
Cloud Computing

KM Methodology



Example of Bulls Initiatives





Top Ten KM Squirrels™

Focus on K-Intensive Activities

"Get Results in 3 Months, Not 3 Years!"

1. **Use Knowledge Cafés** – Build Relationships, Share/Learn (Peers&Experts)
2. **Enrich Meetings** – Leverage Proven Techniques
3. **Advocate Creativity** – Learn, Improve, Employ Innovation Techniques
4. **Learn from All Actions** – Make HI-Impact AARs Habitual
5. **Rethink Onboarding** – Streamline Tie-to-Competency
6. **Encourage Serendipity** – Find your Passion, become an Expert, Teach Others
7. **Enhance Your Presentation Skills** – Teach Basics as a K Nugget™
8. **Publicize Optimization Techniques** – Amass a Library of K Nuggets™
9. **Promote Critical Thinking Skills** – Teach Basics as a K Nugget™, Reinforce Use
10. **Endorse Optimization Tools** – Find/Get/Use Tools - Focus on 'Job-to-be-Done'

Proliferate KM Visibility –

Tell stories, Share Lessons at Cafés, and Recruit Others.



**“Only Knowledge has the power to
drive processes.”**

**Knowledge must be clear and
compelling and must have a call to
action.**



K Nuggets



“Life is an Open-Book exam”



*How good is your book?
Work to expand your KM Book*



K Nuggets



❖ **The secret of a successfully run organization is not on its portals, procedural manual or published docs.**



*They lie in the heads of the
Senior Staff/ Consultants*



“ Learning is the core of KM”



*KM must be learner-focused
instead of training-focused*



**“ Need to rethink learning: from f2f
to blended.”**



*“Evolution of learning from “just
in case” to “just in time” and
“just for you” learning”*



KM must build bridges between Senior Staff and the less experienced

Tacit, experiential, procedural K must become explicit K that is readily available/ accessible to the organization



“Success in KM depends upon improving over-all performance”

Plans

1. ATI as a Learning Organization



Plans

2. K Continuity



Plans

3. Mainstreamed KM Culture



Plans

4. Learning Networks



Plans

5. "Just-in-Time" & "Just-for-you" Services



Plans

6. Philippines e-Extension Hub in Asia & the Pacific





**Are you prepared for the
Knowledge Age?**



Thank You!

Click to edit company slogan

www.themegallery.com

Why KM?

- 1 K content is increasing
- 2 Dramatic improvement potential of K worker
- 3 K-Gaps
- 4 Align KM initiatives with Vision & Mission
- 5 Post Industrial Knowledge Age

**It's justified
It pays to do so**

Annex M

**Report on Training on Meat Goat Production & Sustainable
Agriculture**

Training on Meat Goat Production & Sustainable Agriculture

American Institute for Goat Research
Langston University, Oklahoma
University of California – Berkeley
Berkeley, California
November 10 – 21, 2013

Our Group



Participants:

- ▶ Dr. Ruth M. Sonaco
- ▶ Dr. Roberto Castro
- ▶ Mr. Abdul Daya-an
- ▶ Mr. Cristino Balancio
- ▶ Ms. Rosalinda Lucero
- ▶ Ms. Ma. Graciela Danza
- ▶ Dr. Paul C. Limson
- ▶ Ms. Floreliz Avellana
- ▶ Mr. Braulio Castro, Jr.
- ▶ Mr. Manuel R. Jarmin
- ▶ Mr. Joaquin Abejar, Jr.

Background

- ▶ American Institute for Goat Research (AIGR)
 - Located inside the Langston University
 - Established in 1983 in Texas but moved to Oklahoma
 - Conduct research and development activities on goat production, dairy and processing
 - Results of research activities are disseminated thru extension services
 - Trends:
 - In the US, there is huge demand for goats
 - Goat milk needs to be processed to be more financially rewarding



Facilities at AIGR

- ▶ Feed Mill Plant – 1 ton capacity
- ▶ Computerized weighing scale
- ▶ Goat housing with automated feeding system & 600-gallon water machine
- ▶ Animal clinic
- ▶ Milking parlor
- ▶ Forage and pasture machineries
- ▶ Dairy processing plant
- ▶ Pasture and grow-out areas
- ▶ Skin tanning facility

Modules by AIGR Specialists

- ▶ Research and Development programs
- ▶ Disease incidence & prevention (internal parasitism)
- ▶ Nutrition and Forage

In Langston University



With Dr. Roger Merkel

Boer Goats



Alpine Goats



Spanish Goats



Observations / Learnings

- ▶ Breeding practices:
 - Use of Intra-uterine Laparoscopic Artificial Insemination (AI) where 80% conception rate is achieved for Angora goats



Observations / Learnings

- ▶ Breeding practices:
 - Use of older bucks (1.5 years old or older) was observed as the practice of the AIGR rather than younger bucks (<1 year old)



Observations / Learnings

- ▶ It was observed that a lot of imported parent stocks or breeders in different DA stations died due to unsuitable climatic condition, disease outbreak, etc.

Observations / Learnings

- ▶ Use of Integrated Parasite Management (IPM) approach and/or combination of dewormers



Rotational grazing system

Observations / Learnings

- ▶ Use of FAMACHA® technique in determining the infestation of intestinal worms of the *Haemonchus sp.* in the mucous membranes of the goats (eyelids)



Observations / Learnings

- ▶ Goat Nutrition:
 - Mixed feeding system 60 – 70% forage (hay) and 30 – 40% concentrates



Observations / Learnings

- ▶ On milking procedures and safe milk handling:
 - They use somatic cell count with an indicator of not more than 1.5 Million in addition to the mastitis test

Observations / Learnings

- ▶ Promote other goat products rather than meat only
 - Different types of Cheeses
 - Jerky
 - Leather



Observations / Learnings – 2

- ▶ It was noted that some diseases can cause reduction or loss of production even in a well-managed farm
 - Caprine Arthritis Encephalitis (CAE) and
 - Caseous Lymphadenitis (CL)

Oklahoma State University



Modules by CNR–UC Berkeley Specialist

- ▶ Sustainable Agriculture
- ▶ Climate Change and its impact to agriculture
- ▶ Strategies for Climate Change mitigation & adaptation
- ▶ Organic farming policies & practices
- ▶ Extension work

Visit to Petaluma Poultry Farm



Largest Organic Poultry Farm In California

Visit to Kastania Vineyards



Organic Grape Wine

Visit to Private Goat Dairy Farm



Interview with owner

Goat milk products

University of California – Berkeley



Graduation Time!

Recommendations

- ▶ Inclusion of small ruminant artificial insemination into the current Unified National Artificial Insemination Program (UNAIP) for large ruminants
 - Train DA Personnel on the Laparoscopic AI technique for fast reproduction system including embryo transfer
- ▶ Purchase imported frozen semen which is more economical rather than maintaining imported parent stocks
 - Need for a more organized genetic improvement program (GIP) for small ruminants

Recommendations

- ▶ Use of FAMACHA® technique in determining internal parasite load of goats
- ▶ Test effectiveness & efficiency of different dewormers
- ▶ Adopt the hay-concentrate feeding system (60% hay & 40% concentrate)
- ▶ NDA & other dairy agencies should purchase somatic cell counting machine in determining quality of milk

Recommendations

- ▶ Establish state of the art facilities to cater to the livestock industry
 - Semen banks to preserve semen of superior breeds of goats sourced from foreign countries
 - Equip Regional Animal Disease Diagnostic Laboratories (RADDL)
 - More veterinary hospitals for management of sick animals
 - Modern milking facilities
 - Promote marketing of goat products particularly cheese and leather

Recommendations

- ▶ Continuous exchange of information & research findings on climate change effects & mitigation and adaptation strategies
- ▶ Establish formal partnership with AIGR & UC Berkeley

Recommendations:

- ▶ On Capability Building of Farmers, AEWs, RBOs
- ▶ – Need for training/updating on the following aspects
- ▶ . Animal nutrition, and feed formulation
- ▶ . Forage and Pasture Development
- ▶ . Proper housing Management
- ▶ . Integrated Parasite and disease control and prevention
- ▶ . Milk processing, other products development
- ▶ . Waste management, Organic Farming
- ▶ . Farm management and Record Keeping
- ▶ . Farm enterprise management/entrepreneurship
- ▶ . Climate Change adaptation and mitigation strategies
- ▶ **Cycle Long Trainings or ladderized modality*

Recommendations

- ▶ For short duration Trainings in USA:
 - ▶ -Trainings focused more on research findings and extension modalities/experiences
 - ▶ -More hands-on/and project visits
 - ▶ -Training conducted in spring or summer
 - ▶ Include other policy making bodies in the educational tour
 - ▶ Include some slots for AEWs, farmers, RBOs

Recommendations

- ▶ Continuous exchange of information & research findings on climate change effects & mitigation and adaptation strategies
- ▶ Establish formal partnership with AIGR & UC Berkeley

Thank you for your time!



Annex N

**Report on Executive Study Tour to Observe the Cooperative
Extension Systems of the USA**

Executive Study Tour to Observe the
Cooperative Extension System of the
United States of America

Nov. 20-22, 2013

The Visits

Briefing/Discussion on the US Cooperative Extension System by the USDA-NIFA at Washington DC

- Climate Change and Bioenergy Program
- Renewal Resources Extension and Community of Practice
- Community Foods
- The Extension Activities of the USDA Office of Pest Management
- Extension and NIFA
- The Electronic Extension
- Extension Disaster Education Network (EDEN)
- Obesity and Nutrition Issues in the Insular Areas
- The Environmental Systems Programs

The US Cooperative Extension System

- The Cooperative Extension System is a nationwide non-credit educational network.
- Each US state and territory has a state office at its land-grant university and a network of local or regional offices.
- It is a partnership of the federal government, with states and counties.
- Each entity contributes resources. Funding ratios vary by state.

The Cooperative Extension Functions

- It is the continuing education service for the land-grant mission: agriculture, home, youth, finance, and community development.
- It disseminates knowledge to the citizenry it serves.
- It engages stakeholders and completes the feedback for the university.

Visit to Virginia State University at Shenandoah County

- Mr. Robert Clarke of the Virginia State University in Shenandoah County in Woodstock, Virginia, USA welcomed the Philippine delegation.
- He discussed the different programs, projects and activities being undertaken in the university especially program on the 4-H club.
- He emphasized that the people's lives in the county were improved through the educational programs implemented based on research and developed with input from stakeholders.
- He also stated that the county's programs were focused on agriculture and natural resources, family and consumer sciences, 4-H youth development and community viability.

Meeting with Officials of Virginia State University

- The Philippine delegation also met with officials of the Virginia State University (Virginia Tech) to discuss about the Virginia cooperative extension, extension program planning and reporting, program area discussion and the Virginia agricultural experiment stations, among others.
- Through innovative, science-based programs, the Virginia cooperative extension promotes effective soil testing, fertilizer application, insect management and pesticide use, all of which help reduce unnecessary costs to the producer and protect the environment. Animal tracking and educational health programs promote food safety and safeguard plant and animal health.

Meeting with Officials of Virginia State University

- Also discussed in the meeting were topics on agriculture and engineering, 4-H programs, science and engineering and technology, competitions at the local levels, exercise, partnerships and healthy foods.
- Under the 4-H program of the university, a wide variety of high quality of programs were organized like communication and expressive arts, family sciences, foods, nutrition and health, leadership and personal development, natural resources and environmental education, plants, soils and entomology, science, technology, engineering and math.

Tour and Briefing at North Carolina A & T University and at Guilford County Cooperative Extension Office

- The group was ushered to a Mixed Greens Community Garden, Legacy Demonstration and the DaShenna Huey Learning Center which were all managed by Master Gardener Volunteers in the community.
- The extension office implemented and encouraged the involvement of the residents in the community garden. The objectives are to save money, eat healthier, get fit, make friends, relieve stress and teach children. People came together and grow food.
- The extension office work with the church and Department of Health. Vacant lots and parks were utilized for community garden.
- Waste recycling was also taught to the residents.

Tour and Briefing at North Carolina A & T University and at Guilford County Cooperative Extension Office

- The group also visited the North Carolina Agricultural and Technical State University Field Research and Demonstration where strawberry, moringa and other crops are grown under controlled temperature (greenhouses).
- The group also visited another research station of the University where Natuculture is being studied and researched. Natuculture is a human made system that mimics nature in human disturbed landscapes.

Insights

1. On Extension System

- Extension in US is implemented by the University unlike here in the Philippines.
- They also work and collaborate with the county or in the Philippines, the local government units.

2. On Extension Programs

- Overall, similarities are evident in the extension programs of both the Virginia cooperative extension system and the Philippines. The Legacy Demonstration Garden, for example, is also the same with the ATI-RTC 7 Adopt a School Program which are designed for school children to appreciate and value farming.
- The 4-H program in Virginia covers diverse needs of the community which is lacking in ATI's 4-H programs. Involvement of younger children is prominent and had access to a variety of programs. Age requirement is younger as compared to ATI's 4-H which is 15.

2. On Extension Programs

- The Education and Disaster Extension Network (EDEN) is also a noteworthy endeavor in addressing the impact of climate change and disasters which can be adopted by ATI. Future collaboration has to be done.
- The rainwater harvesting project is notable which could be adopted by all ATI RTCs.

3. On Planning, Monitoring and Evaluation of Extension Programs

- The Virginia Cooperative Extension (VCE) Programming Process is also the same process introduced at ATI by JICA on TSEP-RLI and UPLB on Community-based Programs Extension Management but were not institutionalized nationwide although these approaches are used in crafting community-based programs at the field level mostly by NGOs.
- VCE has a strong M & E systems in place. The budget is measured against how many projects and how much food produced and how many area covered. This is not yet done by ATI which needs strong capability building.

3. On Planning, Monitoring and Evaluation of Extension Programs

- Virginia University employed electronic reporting from the faculty. Similarly, ATI also has electronic reporting through the ATI web-based PMES. The only drawback is the slow internet connection connections in some of the regions. Also, just like the VCE, the Institute had conducted reaction and outcome levels evaluation of its programs. ATI also formulated guidelines in preparing a written report of evaluation findings just like the VCE.
- The University created Impact Teams by commodity responsible in tracking the progress of the program. If this approach will be introduced at ATI, thorough training and exposure is needed.

3. On Planning, Monitoring and Evaluation of Extension Programs

- The University conducted impact evaluation internally. However, external impact evaluation was also encouraged but would depend on the availability of the University's budget. At the Institute, impact evaluation is planned to be conducted by external parties to avoid subjectivity and bias.

Recommendations

1. On Extension Programs and Projects

- Community food concept – helping small farmers by connecting with farmers' markets; low income farmers can get access to healthy foods; local produce can be sold to school cafeterias, especially those near fast foods and can help in reducing obesity.
- Encourage the youth, apart from the 4-H members, to go into urban agriculture.
- Rainwater harvesting should be institutionalized to promote green building in all the RTCs especially in the dormitories and guest houses.

1. On Extension Programs and Projects

- The Legacy Demonstration Garden that showcased waste recycling, vermicomposting, ornamentals, herbs, information about weather and other technologies which are designed for children can also be adopted at ATI-CO garden in support to the Learning and Discover (LeAD) Center. This can also be strengthened through the project "Adopt A School" in collaboration with DepEd in urban areas.
- Extension programs can go beyond production technologies and should transcend to nutrition issues and health aspects like obesity.

1. On Extension Programs and Projects

- The program on developing next generation farmers can also be considered as such – (1) farm transition program which focuses on farm family and identifies who within the family will take on farming; (2) Beginner farmer-retirees or individuals willing to go into farming; (3) Master volunteer – much like the local farmer technician concept but the difference is that the master volunteer is not necessarily a farmer. The MV undergoes rigid trainings for months at once a week sessions and after course completion is given a certification to be a master volunteer in the community
- ATI can collaborate with Education and Disaster Extension Network (EDEN) of USDA-NIFA to develop disaster and climate change resilient communities.

2. On the 4-H Program

- The 4-H youth development program can also take into consideration these mission areas: (1) science, technology, engineering and math; (2) healthy living; and (3) values orientation and love of country through educational, residential camps / character camps.
- The age requirement of 15 years old should be lowered to encourage children to participate in 4-H activities.
- Summer activities should be designed to allow children to engage in learning activities that will encourage them to appreciate agriculture and other activities such as gardening and vermicomposting.

3. On Planning, Monitoring and Evaluation

- Collaboration with Virginia Tech and North Carolina can be done for capacitating the skills of planning officers, M & E officers and focal persons of 4-H and other programs.

4. On Competitive Grants

- Budget grant is a competitive process and favors non-profit groups; should be community based and not community placed.

5. On Planning Similar Expository Tour for the Future

- Two-weeks instead of 3 days trip duration so that actual implementation of the extension programs with beneficiaries can be observed for the participants to have a deeper understanding of program implementation at the grassroots.
- The program should be regularly carried out to expand the understanding and enhance knowledge of how agricultural extension in the USA is being carried out and cull out best practices that can be adopted in the Philippines not only by ATI but also by the LGUs and SUCs.

5. On Planning Similar Expository Tour for the Future

- The planning officers and M & E officers should also be given the priority to undergo such exposure.
- The 4-H Focals and Presidents of the clubs should also be given the opportunity to understand and appreciate the 4-H programs of the Cooperative Extension System of the USA for them to be able to craft innovative programs in collaboration with their respective planning officers.
- One or two-day acclimatization period must be included in the schedule to adjust to the new weather of USA and to increase listening and learning absorption on the topics discussed. This will also participants to sleep while the discussion is going on.

Problems Encountered

Problems Encountered

- The schedule for 3 days was too hectic and there was no time for the group to acclimatize.

The Group

The Group

- Vilma Patindol
- Elsa Parot
- Rosemarie Dulla
- Rogelio Evangelista
- Angelito Quirog
- Leonila Caiz
- Jose Tanhueco

Thank you

Annex O

Success Stories References

EHRDP Scholars



Department of Agriculture
ATI in Calabarzon
kaagapay sa pag-unlad ng agrikultura at pagdidaan

Thematic 3: Expanding Partnerships in Advancing Excellence in AF Extension

ABF TERRA VERDE Villar SIPAG

Search: [] []

Another of ATI's Pride

Nov. 26/14/2013 - 4:47pm | [Share](#) | [Print](#)



Another EHRDP Scholar making waves in the academic field is Mr. Wilson Masakillo de Guzman from Alabonon, Laguna. He believes that "the man who graduates today and stops learning tomorrow is condemned the day after" (Gale, Newton D.) This was his guiding principle in life as a scholar and as an extension worker of the Philippine Coconut Authority. He was given an "Academic Excellence Award" by having a weighted average grade of 1.000. Indeed, he is worth emulating. Read more about him by clicking the back on featured stories.

Like

More ATI-4s Web

Area of Coverage

- Calon
- Laguna
- Marikina
- Quezon

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OC All Available

It's Pay Back Time for EHRDP Scholars

Wed, 10/30/2013 - 9:37pm | [Share](#) | [Print](#)



STA. CRUZ, LAGUNA - Selected EHRDP scholars were tapped as resource persons in the two-day Technology Fora on Agricultural Breakthroughs for farmer leaders and agricultural technicians of Laguna. It was held last October 24-25, 2013 at the Asia Blooms Hotel in Brye Palimbao, Sta. Cruz, Laguna. There were about fifty-five (55) participants to the said fora. Ms. Nelia Abzona, EHRDP Focal Person of ATI-IVA together with Ms. Maribel Dayanghirang, Ms. Lovellia Parot, Ms. Madel Jaurigue and Mr. Roy Victoria managed the two-day activity. Part of the action plan of the ATI-EHRDP Scholars was the conduct of technology forum for them to disseminate results of their studies to the end-users who are the farmers and technicians. They simplified their presentation and highlighted only those that might interest their intended audience. Surprisingly, there were many questions raised by the farmers and as indicated in the over-all training evaluation, they were able to acquire new information from the speakers.

Link: <http://ati.da.gov.ph/calabarzon/news/2013/its-pay-back-time-ehrdp-scholars>

Gilmar Gaspar



Gilmar Gaspar Story

Mon, 08/11/2014 - 10:47pm by [Jerald A. de Jesus](#)



As a head of the family, Gilmar V. Gaspar, 53 of Bagong Sikat, San Jose, Occidental Mindoro wasn't sure how he would realize his dream of going back to school for his PhD degree. Even with a full-time job, there wasn't much money left after paying various bills and other expenditures of the family, thus he cannot imagine saving over for tuition or books.

"Glim" as his family and friends call him struggled early in life to pull himself out of poverty. He remembered his father's income was not enough for their daily needs but he promised himself that he would finish his study to escape from the chain of poverty. "Yung pagiging mahirap ko, hindi ako nagmamadali, I took one step at a time rearing what I have", he says.

He completed his elementary education at San Jose Pilot Elementary School and his secondary education at San Jose National High School. He finished his Bachelor of Science in Agriculture (Farm Management) at Central Luzon State University in September 26, 1983 and received a Leadership Award.

Link: <http://ati.da.gov.ph/calabarzon/news/2013/its-pay-back-time-ehrdp-scholars>



Real courage breeds success

Fri, 03/25/2016 - 7:38am by [Edan Parano](#)

Success is not how much you learn, but in never stopping to learn." she started.

Nanette M. Rosales came from a poor family. She said that she would not be able to finish her study if she did not pass the scholarship from the Coconut Producers Federation (COCOFEF), Inc. She experienced a lot of difficulties that somehow discouraged her to pursue her study. But as a woman with strong faith, despite the hardships she went through, Nanette finished her bachelor degree in Agriculture from Luzonian University Foundation, Lucena City in Quezon.

Having earned her bachelor degree, she started working at the Department of Agriculture Oriental Mindoro Agricultural Experiment Station as casual employee in 1983. A six months after, with her dedication in work and excellent job performance, she was then promoted as Livestock Inspector for a permanent post.

"God poured out His blessings to me. He created perfect opportunities for my career growth. I worked as Livestock Inspector for three years. Through hard work, I became an Agriculture and Food Technologist. With the new responsibility, I was more inspired to make a difference in the lives of others." Nanette narrated.

With a heart for farmers, she put her lifelong knowledge, as well as new skills she learned through trainings and consultation with experts to help them uplift their lives. Together with her co-workers, they went to field just to cater the needs of their clientele.

With every turn of page of her career, each day presented new challenges to her. Nanette remembered a well-known Biblical verse in Luke 12:48: "From everyone who has given much, much will be demanded; and from one who has been entrusted with much, much will be asked." The verse inspired her to go back to school. She said that her knowledge on her chosen field was not enough to teach wider scope of farmers. "I need to study to be updated on the latest technologies in farming." Nanette claimed.

In 1992, without any doubt, at her own expense, she took up her Masteral Degree in Agriculture from Pampanga Agricultural College, Pampanga. Though she experienced difficulties in balancing her time with work, family and schooling, she still succeeded and earned her MS degree major in Crop Science in 1994.

Link: <http://ati.da.gov.ph/mimaropa/feature-stories/glimar-gaspar-story>

Maricel Endico



Pursuing Greater Heights: The EHRDP Scholarship Success of Ms. Maricel Endico

Mon, 03/02/2015 - 10:41am by [Journalist R. Guevara](#)



Growing up in a family with very limited financial resources, Maricel Endico's dream to grasp greater heights through education was never shaken. As eldest among the four siblings, she had a goal set in mind to save her family from the bondage of poverty.

Destiny seemed to cooperate with her humble undertakings. With persistence, she finished Bachelor of Science in Agricultural Education at Surigao State College of Technology (SCCT) despite the toughness of being a working student.

Blessed with mental acuity, she passed the Licensure for Teachers (LET) and the Career Service Professional Examination in the same year. These achievements paved way to her employment at LGU Mainit as Agricultural Technologist.

In pursuit of equipping herself with efficient extension delivery services, Maricel was closely working with Agricultural Training Institute (ATI) - Caraga in year 2004.

She never had expected that working with ATI could take her to greater heights, wider professional opportunities and higher personal growth.

Maricel took-up Master in Environmental Management thru the ATI's Expanded Human Resource Development Program (EHRDP) in 2013.

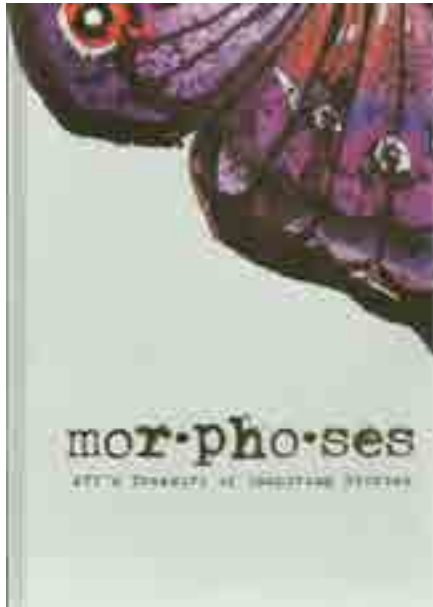
One of the highlights of her scholarship journey was the impact and recognition of her research study entitled *Assessment of Mercury Contamination in Sediments and Common Carp in Selected River Mouth of Lake Mainit, Philippines*. The study was presented in an international conference and accepted for international publication for release in 2015.



Today, Maricel joins the pool of college professors in her alma mater SCCT. Maricel considers ATI Caraga as saving grace in taking her dreams to greater heights. The completion of her master's degree served as an entryway to brighter door of opportunities and higher professional growth.

Link: <http://ati.da.gov.ph/caraga/success-stories/pursuing-greater-heights-ehrdp-scholarship-success-ms-maricel-endico>

Jerlinda Cruz



Reference: Morphoses – ATi's Treasury of Inspiring Stories

Annex P

Testimonials References

Hector U. Tabbun (Region II)

"The scholarship has helped my family, financially and for me professionally. The Financial assistance made our life easier for no longer think of school fees. More importantly, the program is molding me to be an efficient and effective public servant with the introduction of new ideas and strategies on organization, management, human behavior and public administration.

Likewise, it pushes me to finish the course in line with acceptable standards, quality and excellence. It motivates me to give my best knowing that taxpayers' money is involved and there is a need to reciprocate this with acceptable and right work etiquette. Government employed should be always accorded such kind of assistance so that they will be inspired to pursue higher studies and be more productive.

I salute the Agricultural Training Institute (ATI) for implementing the program. I pray that this activity shall always be given emphasis and funding priority because it really benefits people in government who wants to excel but does not have the means.

From the bottom of my heart and in behalf of my family, thank you, thank you and thank you".

Hector U. Tabbun highly expressed his gratitude for being one of the fortunate recipients of EHRD Program. He emphasized that "...the program molded me to be an efficient and effective public servant with the introduction of new ideas and strategies on organization, management, human behavior and public administration." Moreover, the Program motivates him to bring out the best in his work to view gratitude to the people's money and worth for the opportunity given to him.

Roger Tamayo: "An Epistle from a Scholarship Grantee" (Region II)

Campus Extension Coordinator and College of Agriculture Faculty Member, Cagayan State University at Lal-lo

You cannot give what you do not have. This is an overused adage that suited in my profession as a college teacher in Cagayan State University at Lal-lo few years ago. From teachers' point of view, it reminds me of how educational growth should be valued in academes. However, although many teachers like me are desirous to enrich their knowledge and skills in their own fields of specialization, their scanty wherewithal or finances hamper them from entering the threshold of any post-baccalaureate school.

Actually, this scenario made me quite skeptic in enrolling in the graduate school several years ago. Not until the almighty poured out His abundant and over-flowing graces through the ATI in its EHRDP scholarship program. It was like a feast day full of colorful images of thanksgiving when I availed ATI's scholarship program. Because of it, my high enthusiasm or zeal in widening my horizon has been totally restored.

I appreciate so much this of program of the ATI because it does not only give hope to teachers like me but also encourage more mentors to enrich their knowledge and skills to eventually escalate the quality of education in the whole Philippines. In other words, the program has a ripping effect – through that scholarship given to teachers and workers, my students will be benefited with deeper knowledge and equipped with appropriate skills to be globally competitive. Hence, when they find their jobs, they can contribute in stabilizing and developing our economy.

Moreover, I commend the ATI and its key officials for formulating this mission because it becomes a sine-qua-non partner of the universities and colleges in coping with international standards in teacher's development. This means that through this kind of scholarship program, universities and colleges in the Philippines will be confident in the capability of their faculty members. Thus, their teachers can likewise help the community with innovations in various fields of agriculture."

Herminia B. Atal (Region II)

Reaping the fruit of Success

I was not able to reach my dreams and reap the fruit of my success if not because of the scholarship ATI-RTC II had granted me through EHRDP program. It is one of most valuable and precious gift I ever received.

Looking back to the years when I was a Bachelor's degree graduate upon performing my position as Agricultural Technologist, I need to bring home a lot of references whenever our farmer-clientele ask a quirky questions especially pertaining to the management of crop pests and diseases. I need to scan all of those things overnight. The next morning when the client comeback I had given him a better answer/solution or right recommendation.

I had become my habit of giving our client a turnaround time. I came to remember the simple reminder on the provision of the Civil Service rules that, "A good public servant should always be prompt in attending to the needs of his client." I need to do/explore solutions to my logjams.

I grabbed several opportunities through attending several briefings, seminars and trainings offered by different government agencies just to add or hone/improve my skills and knowledge to my field of expertise-crop science. I can still remember about 75% or majority of the events were hosted by ATI-RTC II. It boosted my confidence and developed my professionalism in mingling with my co-workers and especially stakeholders.

Times have elapse performing the day-to-day activities. I realized I need to be advanced. I should know the scientific basis of doing things and dreamed the mastery of my field of expertise. But how? Everyone knows that being a rank and file government employee earns only for daily survival and definitely could not afford to take studies again. I had not ceased praying for someone to finance my studies. I applied for the scholarship grant and was so lucky to be granted. Thanks to Dir. Asterio P. Saliot, Dir. Renato Maguigad together with other ATI staff and to almighty God for giving me the rare opportunity.

I enrolled my Master of Science in Crop Science at ISU, Echague, Isabela with unloaded burden of financially incapability. I took my studies smoothly because of constant/indescribable support ATI had provided me. I graduated Master's degree with pride and honor in which I am forever grateful to this agency.

I was so lucky and I should give back. I promised myself to serve farmer-clientele with accurate, immediate and helpful information through tireless public service. Aiming to touch their mind and heart and uplift their lives through assisting them in their noble way of living-faming.

Pat F. Dumalaon (Region X)

In pursuit towards earning a Masters Degree at first to me is just simply a dream. A dream that I've never expected to happen. For the reasons I know that it is very expensive and it requires much of my time. To me, it was really an impossible dream to achieve because I'm not financially capable and most of my time were devoted to my work and family. In short, getting a Masters Degree that time is not my priority. Despite all that, I'm was still hoping and praying that someday I would pursue my dream of earning a Masters Degree.

Just like an answered prayer, in 2009 I was granted a full scholarship for a Masters Degree under the Expanded Human Resource Development Program (EHRDP) of the Department of Agriculture – Agricultural Training Institute (DA-ATI). The scholarship grant includes a full tuition fee plus an allowance of Ten Thousand Pesos (P10, 000.00) per month as well as a thesis support of Fifty Thousand Pesos (P50, 000.00). That time, I really said to myself, God is so good and granted me this miracle. Because of that scholarship, I really know that I'm one step closer in achieving my dream.

After two years of dedication and commitment to my studies, I finally graduated with a Degree of Master in Agricultural Science and Technology Major in Crop Science at the Misamis Oriental State College of Agriculture and Technology (MOSCAT) at Poblacion, Claveria, Misamis Oriental.

Since MOSCAT is just a walking distance from my home, I made big savings in my allowance. Through time, my allowance accumulated and I decided to use it for renovating my house as a remembrance.

Up to this moment, it is still fresh in my memories that the knowledge and skills that I have acquired in my masteral years, does a good multiplier effect in my career and in my life as a whole. First and foremost, it is a vital tool for me in passing the Agriculturists Licensure Examination in 2012. Secondly, my Agriculturist license prompted my promotion to become a Municipal Agricultural Officer in March 2013. Thirdly, I became more competent and gained more expertise in my field. Fourthly, my salary doubled plus other benefits that are being given to the department head under our constitution. Lastly and most importantly, it brings me and my family closer to God.

For now, I still never stop dreaming. But this time, I'm hoping that I would finish someday my Doctorate Degree. Even though, returning to school is a challenge and the Doctorate Degree is much expensive, however, I am confident that the financial sacrifices I make now will benefit my family and my community someday especially the farmers in our municipality.

Being an EHRDP scholar has been more than a help to my endeavors. It played a big part to the success that I have achieved today. I would not have been able to realize my dreams if not for the EHRDP-ATI scholarship.

In all of this, I give thanks to our Almighty Father for all the blessings He had bestowed upon me. I would like also to express my sincerest gratitude for the opportunity granted to me by the EHRDP-ATI especially to ATI Director Asterio P. Saliot, ATI-RTC 10 OIC-Center Director Dr. Angelito Y. Quirog and Ms. Lydia A. Echavez, the Regional EHRDP Focal Person. Again, I would like to extend my heartfelt appreciation to our Municipal Mayor Redentor N. Salvaleon and to my former supervisor Dr. Crisologo G. Casiño for giving me the chance to study. Special thanks extended also to my family, professors and to all the people who were always there to support me.

Let me end my testimony from the quote of Benjamin Franklin, "An Investment in knowledge pays the best interest".

Thank you very much and God Bless!!!

Maria Lilith M. Turan (Region X)

In James 5: This verse always reminds me that knowledge, skills and intelligence are all void without wisdom. Wisdom comes from God. No matter how intelligent a person is without wisdom, it's nothing.

All praises and adoration will all be to GOD Almighty alone. Praise Him for the success that I have earned. God grant me all the privileges and the opportunities in earning an MS degree. I'm so grateful for His grace and bountiful blessings. God uses people and institutions in granting my prayers and in achieving my goals. In all things that I have achieved and received, to GOD be the Glory.

God uses the Agricultural Training institute (ATI). Through this agency, I developed and enhanced my skills in public speaking. God also uses people who are instruments and are all behind in my success: my mentors, my friends, officemates and classmates. They gave me moral support and friendship. But most of all to my family who are always with me for richer, for poorer, in sickness, or in health, when I'm in pain and in happiness.

While I was still studying for my Masteral Degree which ATI funded under its EHRDP Program, there were subjects related to my course that helped me understand more about my organization and the management. My thesis which was on values orientation of extension workers taught me more about life and made me re- evaluate my values, attitudes and behavior. Other than that, my skills in extension services were enhanced. I developed more confidence in public speaking. I also established more rapport with fellow extension workers and most of all, with the farmers. The fellowship with other co-EHRDP scholars during assessment made me become outgoing. During trainings, meetings and seminars, I also met new friends and other workers from other provinces.

Through ATI, I was able to extend my expertise during trainings and seminars as Resource Person on different topics that I am capable of, such as: Aflatoxin, Values Orientation, Palay Check, EnFFS for rice and Climate Change. I became a Resource Person of the ATI during Training Of Trainers (TOT) and also during Farmers Field Schools (FFS). I also anchored Radio Programs and hosted the School On Air program of ATI and Department of Agriculture –Regional Field Office -10 (DA-RFO 10). For now, I'm no longer hosting and anchoring radio program, but I was invited many times as guest lecturer on specialized topics.

I even extended the coverage of providing lecture on Climate Change to other provinces in region 10. I developed more sense of helping and reaching out to others and be concerned with our environment.

Because of the scholarship, I feel that it is my duty to repay the agency through my services. It made me realize that the close linkage and partnership with ATI and DA is very important in extending agricultural services to the farmers.

Because of my learned skills in delivering services, the Department of Agriculture RFO 10 also requested my expertise in providing information on Climate change and Enhanced FFS to the different provinces within region 10.

Without hypocrisy, the financial allowances I received from ATI during my scholarship, helped me very much in providing my financial obligation to my family. The extra money I received was used as other source for expenses. It helped my daughter to graduate in college.

In the side of my promotion, though I'm not still promoted, my MS degree gives me the confidence in applying for promotion because it adds credit to my qualifications.

Above all, In 2014, I received an award as an Most Outstanding DA Rice Achievers Award – Agricultural Extension Worker. My skills in making thesis helped me a lot in preparing manuscript and scrap book in joining the Rice Achievers Award. It made me so proud that for two years, our province has become an Outstanding Rice Achiever – LGU Category. Time spent, field services, hard work and cooperation, made us an outstanding province. I am so proud and so fulfilled that I have accomplished much more after my scholarship.

Ms. Maria Lilith M. Turan share her award received after the EHRDP scholarship program. Like the other experiences of the graduates, she also share that her life was uplift through the benefits gained because of the earned degree. Because of the learned experiences, knowledge and skills acquired during her thesis, she applied it when completing the needed requirement in joining the Rice Achiever Award“...I received an award as an Outstanding DA Rice Achiever Award – Agricultural Extension Worker.” She was grateful and honored for the award she received. In addition to that she said, “It made me so proud that for two years, our province has become an Outstanding Rice Achiever – LGU Category.”

Jocelyn O. Zarate (Region X)

First and foremost, it was a blessing in disguise because I did not ask for it but it was given to me unexpectedly. At the back of my mind, this is a break – thinking of being a student once again, I thought life would be easier then. But I was wrong. Why? I have encountered so much physical, mental and emotional stress and pressures that made me almost gave up. God is good (all the time), He made me survive all those hardships and difficulties. I can say that I have learned many things from this experience such as strive for excellence but not necessarily perfection; do more than what is expected in everything that I do; try to become an expert in time management; be open to new ideas; meet the deadlines because they are important; not to use time or words carelessly because neither can it be retrieved; give my best and after I have worked hard to get what I want, I should take the time to enjoy it.

The MPM scholarship was a tough experience with difficulties always looming ahead. Imagine those sleepless nights of finishing requirements to beat deadlines... computers bogging down at the time you need it most... the stress and “butterflies in the stomach” during presentations and defenses... myself getting sick and sometimes family members too. The lesser interaction with my little daughter really breaks my heart due to a lot of researches and paper works. I was guilty that I was not giving her enough time and at the same time worried that I can't give my kid the best of everything.

I would always cherish the thought of meeting and making new friends with my MPM classmates. By getting to know them and with them, I have learned to share knowledge especially during group study sessions, a factor for surviving the scholarship; be happy and enthusiastic about the success of your classmates; not deprive someone of hope but to keep on encouraging each other; be sincere and alert for opportunities to show praise and appreciation. It was a learning experience for all of us.

With the scholarship, I can say it was hitting two birds with one stone because it is not only or my professional advancement but as well as for my personal development. I learned to take responsibility for every area of my life and making the best out of bad situations. Mistakes are inevitable but not wasting time grieving over it but learning from them and moving on. I also learn to evaluate myself by my own standards, not someone else's. Lastly, being brave and strong even if I am not.

For the past 18 months, I will never forget the learning and my insights to... never give up on what you really want to do; not expect life to be always fair; discipline is essential to success; accept pain and disappointment as part of life; I can always depend on your family for support and encouragement; and lastly, always count your blessings.

MPM is another GOD's blessing for me... and I always count it.

Johnny V. Ramos (Region XIII)

For me, the 18 month company with fellow scholars is a sociological study in itself. One has to be flexible to the varying actions and reactions of everybody. An unstinting stamina for nocturnal internet researches and voluminous readings is also a must. It also requires versatility for one to be able to cope with the diverse behaviors as result of difference in exposures and personalities. Individual differences, however, have not hindered anyone but rather had ignited an even closure camaraderie. We have a lot of differences that's why we have a lot to share with each other. I believe there could never be the same group of scholars that exist in the whole planet than what we had in the first batch of DA-XU EHRDP MPM Scholarship.

Once again, I hope that my experience would become an authentication for all who still don't accept the fact that "poverty is not hindrance to success". And, as a public servant for five years yet, I am cognizant that there are still a lot of things I need to learn and experience. Nevertheless, of all the things in public service, the greatest fear I ever had was the fear that somebody would miss the letter "L".

Liza L. Abarido (Region X)

It was my greatest dream to be one of the EHRDP Scholars. Two years ago after attending a training seminar a good friend and a co-AEW from other municipality encouraged me to apply for EHRDP scholarship. With a very short notice I was able to comply all the necessary requirement at ATI and fortunately I qualify and was accepted.

It was a great challenge after knowing that my LGU-MAO family has no support in this endeavor and it took me sleepless nights. Series of crying, heartaches but another agency welcomed me, the ATI family. I learned that opportunities knock just once so I better grab it and never let the moment pass by.

During my graduate studies, I met new classmates (AEWs) whom I considered the person closed to me and has been my angels for fulfilling my graduate studies. They are Eutropio Gayloa (Claveria), Jessica Gonzafa (Balingasag) and Edwin Villamil (Claveria). They never left me out... instead we studied hand in hand, helping each other, facing the school examinations and defense together and graduated all together. For without them, I may not took the MS-Agriculture on time.

After taking up my graduate studies, I hear praises from my boss. My co-officemates confined me on how mean they were the time I beg for considerations especially on my work schedule and study leave status. Despite of failing me to avail such privileges, I still managed to perform my office duties and responsibilities 5 times a week and studied with whirlwind during Saturdays and Sundays.

With all these I come to realize that 1) rejection should never stop you, 2) failure is not a problem at all, 3) people who reject you know nothing and 4) believing in yourself is the key to success in life. There's nothing better than educating yourself to become a successful individual.

I know it is not enough to just saying thank you to ATI through the EHRDP but all my learning and of what made me now I owe it all to ATI... at the bottom of my heart a million thanks to you and I will always keep my fingers crossed to continuously support and e part of your family.

Baby Jane S. Almogela (Region X)

Being a DA-ATI EHRDP scholar is a great opportunity that us coupled with big responsibilities. One has to maintain a harder study habit, exert more effort and get out from the usual comfort zone in life.

The blessings of the EHRDP scholarship paved way to my long-time desire to take up a masteral course related to my field work which will help me to be effective and efficient public servant and agricultural extension worker. Last 2008, I had the chance to know the program thru Ms. Jonah Bianito of Provincial Veterinary Office-Lanao del Norte. She then encouraged me to communicate with Mrs. Sonia Talibong who was the program in-charge at that time.

Interested and very willing to apply, I proceeded to complying the required documents and necessary attachments. But after 2 months of waiting, I became pregnant of my first child. Due to my delicate pregnancy, I did not push through my application. But, the opportunity knocked again my door because two months after giving birth, Dr. Edna M. Mabeza, ATI-RTC X Center Director, called up asking if I am still interested to pursue my scholarship application. Of course, I assured the Center Director that I will really pursue it.

The scholarship program contributed much to my character, knowledge and experience. It gave me the opportunity to acquaint, mingle and relate to co-workers and practitioners of Agriculture. Moreover, the scholarship program encouraged me all the more to be more efficient and effective agricultural extension workers so that I can contribute both to agricultural productivity and environment conservation through the knowledge and experience we earn out of the study. Thanks to God who give me strength and determination and the family of ATI who approved my application. Thanks to EHRDP!

The Expanded Human Resource Development Program (EHRDP) of ATI was an instrument for me to develop my technical working skills. This is manifested in me because praise be to God, I passed the licensure examination for agriculturist last 2013. In addition to that, I was promoted as agriculturist II last December 2013. This is a blessing for me to support my family needs and to continue to improve myself and serve more the municipality that was torn by war but now is striving to leap towards sustainable development.

The two-year scholarship program enhanced my knowledge and skills in agriculture and improved my passion in the delivery of services to the municipal agriculture office, to the entire local government and the municipality. Years after I graduated from my masteral degree, there had been lots of milestones in the municipality which I am proud to say I was partaker. Last year, we won the National Organic Agriculture Achievers Award for LGU Category and we made it to the Top 10 of the Gawad Galing Pook Awards for the "Arms to Farms-Walking through the Paths of Peace" Program, which is jointly worked on by the ATI, Armed Forces of the Philippines and the local government of Kauswagan. In addition to that, we were also awarded as second place for the Literacy Award Category B Municipality. All of these awards are all signs that we have exerted effort in running the race for development in Kauswagan, making it true to its name.

Personally, all these milestones pushed me to do better in my services. I strive hard to deliver efficiently and effectively the tasks that are delegated to me. I am presently assigned to handle special projects in the municipality. I also served as registrar and mentor to the School for Practical Agriculture which is presently offering the scholarship program of ATI-FPD-LGU Kauswagan partnership. It's good that I am also able to impart to the students of this scholarship program the basic work values and ethics which are very vital in realizing their dreams and ambitions and in practicing and internalizing the need for co-existence in the community since the students are Maranaos and Bisaya and influence them to love agriculture.

With regards to my thesis in MS Farming Systems, the results were used during trainings as proof and convincing tool to the farmers that intercropping is better than monocropping and that there is a need for them to select the right organic fertilizer that will give them optimum income. Since I am also handling peanut production in Kauswagan, my thesis is very useful for me every time we conduct orientation, meetings and trainings, in fact, there is expansion of areas devoted to peanuts and corn. Some farmers are convinced to intercrop peanut in corn production under coconut. We also strengthen marketing aspects in our municipality.

As time goes by, the lessons I learned will always be with me and this will radiate from me and influence people surrounding me who will also help in realizing our goal in Kauswagan.

***The Silver Torch: The Official Publication of DA-XU MPM Scholars Batch 1
The Testimonies of EHRDP Scholars Region 2***



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