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**Benguet State University**

La Trinidad 2601 Benguet

# *Annual Report* **2012**

**Responding to Become Resilient  
in a Globalized Environment:**

**Agriculture as the University Landmark**



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## EXECUTIVE SUMMARY

The year 2012 is another challenging but productive year for the University in accomplishing its four-fold functions:

**For Instruction**, of the 52 residential degree programs offered by the University, 45 have undergone accreditation. This includes 17 BS degree programs, 22 MA/MS degree programs, and six PhD degree programs.

Faculty and students have been recognized by various award giving bodies here and abroad for their efforts in research and instruction that made a great impact in the lives of stakeholders.

A remarkable performance was noted in most of the results of licensure examinations taken by the BSU graduates. The following graduates were among the Top 10 placers in the PRC Licensure Examinations: Gladys Jade K. Sabo (3<sup>rd</sup> place, Forestry); Winston Valenciano (7<sup>th</sup> placer, VetMed); Marix Trixia Garcia (10<sup>th</sup> placer, Nursing); and Martes D. Dionisio Jr. (10<sup>th</sup> placer, Teacher Education).

**For Research**, the Climate-SMART Agriculture Center (CSAC) was launched in October as the 8<sup>th</sup> research institute of the University to spearhead the development, dissemination, and utilization of climate-smart agriculture systems and technologies for highland farming communities to be able to adapt to climate-change. The CHED-Higher Education Regional Research Center (HERRC) was established to enhance the research capacity and productivity of Philippine higher education institutions.

The University continues its advocacy for Organic Agriculture through the Cordillera Organic Agriculture Development Center (COADC), which received a 20M funding from DA to promote organic agriculture education, research, and extension in the region.

**For Extension**, the Office of Extension Services (OES) and the colleges conducted various extension activities like trainings and seminars for farmers and various stakeholders.

**For Production**, the Income Generating Projects (IGPs) of the University had a positive income of more than 69 million. The Marketing Center had a face-lift for a more convenient and efficient promotion of University products from the Food Processing Center, Bakery, and Organic Market among others.

Our overall Vision for the future is the continued pursuit of operational excellence and efficiency to be a “*Premiere State University in Asia*”

## INSTRUCTION

### Students

#### Enrollment

The 2012 enrolment for all levels in the three campuses is as follows:

<b>Term</b>	<b>Main</b>	<b>Bokod</b>	<b>Buguias</b>
Summer 2012	1,996	-	-
1 <sup>st</sup> Semester 2012	8,576	332	270
2 <sup>nd</sup> Semester 2012	8,266	296	310

The Main Campus degree programs with most number of enrollees for the 1<sup>st</sup> and 2<sup>nd</sup> semesters are BS Agriculture, B Secondary Education, and B Elementary Education. Moreover, the College of Teacher Education has the highest enrollees among the colleges and academic units of the main campus. Figure 1 presents the enrollees of the different colleges and academic units.

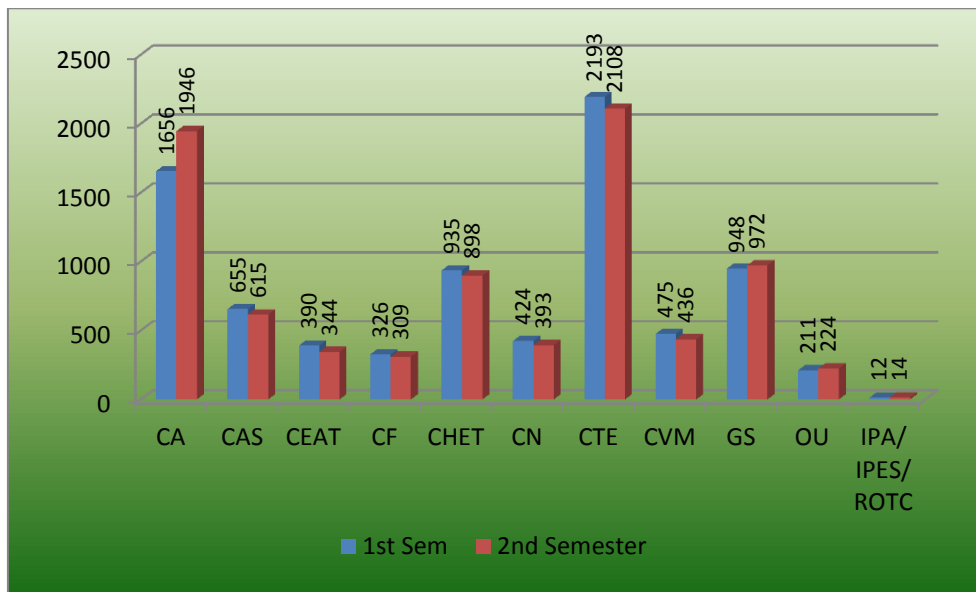


Figure 1. Enrolled students in the different colleges and academic units for SY 2012-2013

For the SY 2012-2013, twenty-four (24) foreign students, majority are from South Korea, registered under the different programs offered by the University. Fifteen (15) are graduate and nine (9) are undergraduate students (Table 1).

Table 1. List of foreign students

<b>Name</b>	<b>Course</b>	<b>Country</b>
Cho, Gun Moog	Ph.D. in Educational Management	South Korea
Yawman, McWinner	Ph.D. in Agronomy	Ghana
Choi, Jun young	MS in Agronomy	South Korea
Chung, Won C.	Master in Human Resource Management	South Korea
Gitable Carino	Master in Human Resource Management	Dubai
Karen Jacaban	Master in Human Resource Management	Dubai
Li, Jia	Master in Development Communication	China
Nguyen, Te Dinh	Master in Community Development	Vietnam
Nomura, Jun	Master in Community Development	Japan
Okada, Masako	Master in Community Development	Japan
Lylani Latogan	Master in Community Development	United Kingdom
Faghani Lamoraski, Maryam	Master in Community Health Development	Iran
Lee, Hyeyoung	MA in English as Second Language	South Korea
Park, Sung Kyung	MA in Guidance	South Korea
Marvin Lidawan	Diploma in Training Management	Uman
Amaral, Frederico	Doctor of Veterinary Medicine	East Timor
Pereira, Abrao Jose	Doctor of Veterinary Medicine	East Timor
Hong, Sung Ae	Bachelor in Elementary Education	South Korea
Kang, Eun Su	Bachelor in Secondary Educ. - English	South Korea
Lim, Seamee	Bachelor in Secondary Educ. – English	South Korea
Park, In Young	Bachelor in Secondary Educ. – English	South Korea
Park, Joon Cheol	Bachelor in Secondary Educ. – English	South Korea
Malel, John Kimutai	Bachelor of Science in Agriculture	Kenya
Park, Donghyun	Bachelor in Secondary Education	South Korea

The number of enrollees for the different degree and short-term courses being offered at the Bokod Campus are presented in Figure 2. There were 52 enrollees for the summer term, 332 during the first semester and 296 during the second semester of SY 2012-2013.

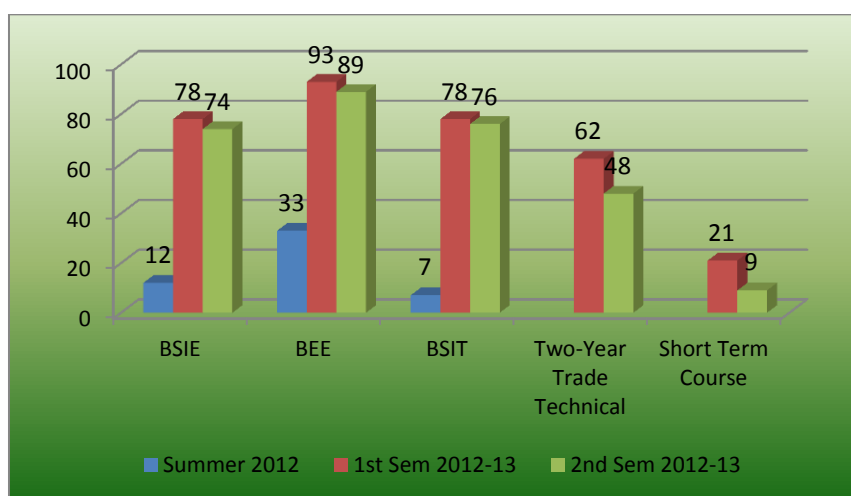


Figure 2. Enrollment at Bokod Campus

Table 2 summarizes the enrollment to the different courses at the Buguias Campus. There were 284 enrollees for the first semester and 275 for the second semester for SY 2012-13.

Table 2. Enrollment at the Buguias Campus

DEGREE	1 <sup>ST</sup> SEM 2012-13	2 <sup>ND</sup> SEM 2012-13
BEE	88	90
BSE	92	91
DAT/BAT	67	66
Automotive Technology	25	23
Prof. Education Course	12	5
<b>Subtotal</b>	<b>284</b>	<b>275</b>
Secondary	345	345
<b>TOTAL</b>	<b>629</b>	<b>620</b>

### Graduates

A total of 1,088 students graduated during the second semester of SY 2011-2012. The distribution of graduates by degree program is shown in Figure 3.

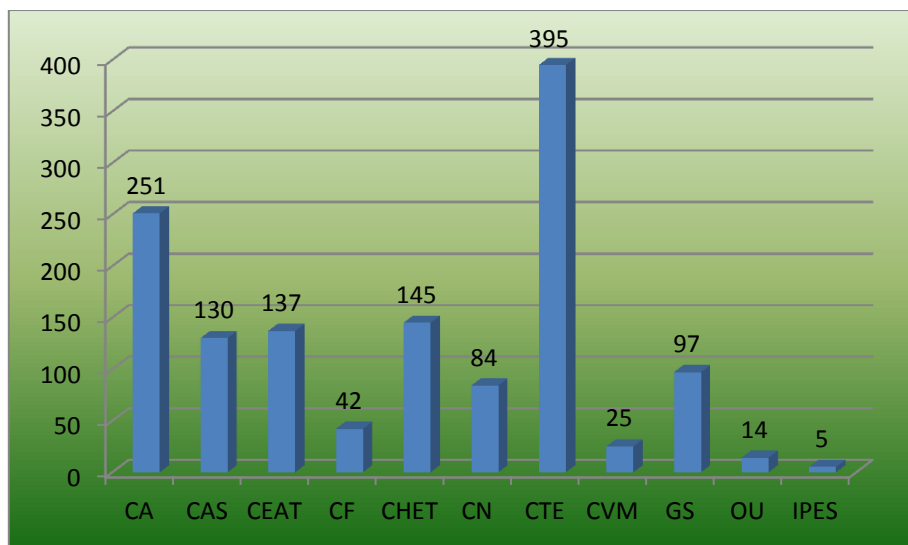


Figure 3. Distribution of SY 2012-2013 graduates

The University continues to provide educational services through the Intensive Functional English Training Program (IFETP) and Test of English for Speakers of Other Language (TESOL) of the International Language Center. This year 34 students graduated from the center, most of them from Korea (Table 3).

Table 3. Intensive Functional English Training Program (IFETP) graduates

DURATION	CLIENT	
	School/Country	Student (#)
January 13- February 13	Kyungwoon University, South Korea	18
February 24 – July 24	South Korea	1
July 1- 31	Chungbuk Provincial College, South Korea	13
August 13- September 13	Japan	1
August 22- September 22	Japan	1



Plate 1. IFETP students from Kyungwoon University and Chungbuk Provincial College

At the Bokod Campus, there were seventy (70) graduates in 2012; 64 during the 2<sup>nd</sup> semester of SY 2011-2012 and six (6) during the 1<sup>st</sup> semester of SY 2012-2013. The distribution of graduates by degree course is presented in Figure 4.

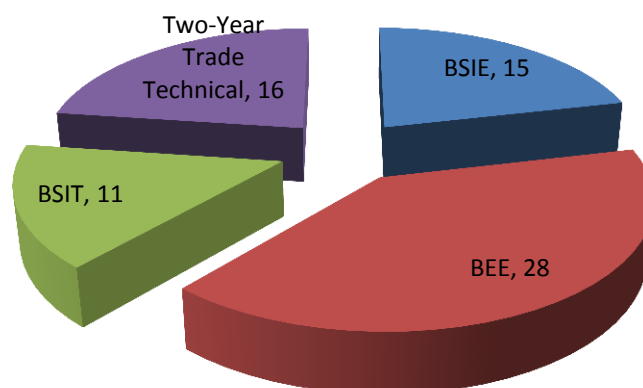


Figure 4. Bokod Campus Graduates



Hon. Nardo Cayat, Board Member-Province of Benguet was the Guest of Honor and Speaker during the 15<sup>th</sup> Collegiate and 44<sup>th</sup> Secondary Commencement Exercises held at the BSU-Buguias Campus Quadrangle on April 2, 2012. There are 173 graduates for SY 2011-2012 from degree and short courses and high school (Table 4).

Table 4. 2012 Graduates at the Buguias Campus

DEGREE	SY 2011-2012
Bachelor in Agricultural Technology	11
Bachelor of Secondary Education	9
Bachelor of Elementary Education	14
Diploma in Agricultural Technology (2-year)	7
Diploma in Agricultural Technology (1-year)	21
Diploma in Automotive Technology (1-year)	8
Secondary	103
<b>Total</b>	<b>173</b>

### Awards

Ten Outstanding Students of the Philippines (TOSP). Three students from the Main Campus made it to the Regional Search for the Ten Outstanding Students of the Philippines. The award was given on April 27, 2012 at Hotel Veniz, Baguio City.

Martes D. Dionisio, Jr.	B Secondary Education
Jayralyn Y. Siddayao	BS Development Communication
Aliza B. Castro	BS Nursing

Among the three students, Ms. Aliza B. Castro was chosen as one of the Top 30 National Finalists for the Ten Outstanding Student of the Philippines.

Other awards received by the students from other organizations are presented in Table 5.

Table 5. Awards received by the students from other agencies/organizations

NAME	AWARD	AWARDER	DATE AND VENUE
<b>College of Agriculture</b>			
John Glen Sarol	1st Runner Up in Photocontest	JV Ongpin Foundation, Inc	April 13 Baguio City
DevCom Society	Ten AYO Luzon	National Youth Commission	October 23 Baguio Country Club
DevCom Senior Students	Project Pagsulong National Finalist	RFM Foundation SMART MERALCO	October 28
Development Journalism Majors (4th Years)	Student Quill Merit Awards	IABC-Philippines	November 12
Dev Com Society	Top 20 (National Finalist) Ten Accomplished Youth	National Youth Commission and	December 6

<b>NAME</b>	<b>AWARD</b>	<b>AWARDER</b>	<b>DATE AND VENUE</b>
	Organization of the Philippines	Office of Sen. Kiko Pangilinan	
<b>College of Arts and Sciences</b>			
Juan Miguel Manalo	2 <sup>nd</sup> place- Photography Contest 1 <sup>st</sup> Cordillera Coffee Fiesta	HARRDEC	July 6 BSU Gym
<b>College of Home Economics and Technology</b>			
Sean Paul C. Fiangaan	Outstanding Nutrition and Dietetics Student	Philippine Association of Nutrition	July Manila
<b>College of Teacher Education</b>			
Martes Dionisio	Regional Finalist in the 2012 Outstanding Students of the Philippines –CAR	CHED-CAR	April 27 Baguio City
<b>Athletics, Writing Competitions, etc.</b>			
BSU Arnis Team: Leonard Balagot Christopher Daniel Leonor Lab-isa	Gold-Labanan Event Silver- Labanan Event Bronze- Labanan Event	City of Baguio	September 1 Baguio City
Regine K. Tibong	3 <sup>rd</sup> Place NICE 2012 Debate	Natl. Association of UNESCO Clubs in the Phils.	March 2 DAP, Tagaytay City
Romulo Bagacina Jr.	3 <sup>rd</sup> Place, Editorial Writing-English	Association of Luzonwide Tertiary Press Advisers, Inc.	Jan. 11-13 BBBCCI, Baguio City
Dina Leaño	5 <sup>th</sup> Place, Photojournalism-English		
Mariel Laoana	5 <sup>TH</sup> Place, Photojournalism-Filipino		
Rhe-Ann Ngayaan	10 <sup>th</sup> Place, News Writing – English		
Juman Kevin Tindo	10 <sup>th</sup> Place, Feature Writing - English		
The Mountain Collegian	5 <sup>th</sup> Place, Best in DevCom Page		
	8 <sup>th</sup> Place, Best in News Page		
	10 <sup>th</sup> Place, Best in Page Design		
	4 <sup>th</sup> Place , Best in News Page		
	7 <sup>th</sup> Place, Best in Literary Content		

Academic Awardees. Undergraduate students excelling academically are awarded with certificates on the Recognition Day. They are also granted tuition fee discounts; University Scholars (students with 1.0-1.50 general weighted average) are entitled to 100% tuition discount

and College Scholars (students with 1.51-1.75 general weighted average) have 50% tuition discount. The distribution of academic scholars/awardees per college is presented in Figure 5.

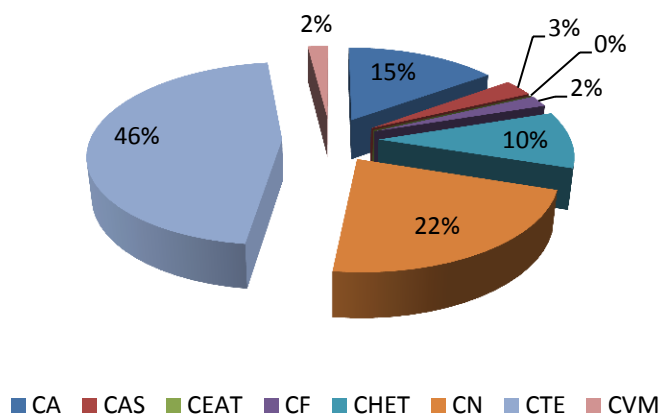


Figure 5. Distribution of academic awardees per college for the 2<sup>nd</sup> Semester, SY 2011-2012

### Performance in Licensure Examinations

A remarkable performance was noted in most of the results of licensure examinations taken by the BSU graduates. Table 6 shows the number of takers and passers for each profession and a comparison of institutional and national passing.

Table 6. 2012 performance of graduates in board/licensure examinations (Main Campus)

PROFESSION	BSU			NATIONAL
	Passer (#)	Taker (#)	%	%
Agriculturists	73	206	35.44	38.00
Agricultural Engineers	14	39	37.7	45.70
Forester	11	42	26.19	37.727
Nutritionists and Dietitians	35	41	85.37	67.08
Nurses	85	86	98.84	45.69
Guidance Counselors	8	12	66.67	55.05
Teacher (Elementary Education)	144	160	86.47	49.29
Teacher (Secondary Education)	223	299	74.58	43.50
Teachers (Library Science)	19	31	61.29	46.67
Veterinarian	15	57	26.32	32.00

The following graduates were among the Top 10 Placers in the PRC Licensure Examinations:

<b><u>Name</u></b>	<b><u>Place</u></b>	<b><u>Profession</u></b>
Sabo, Gladys Jade K.	3 <sup>rd</sup> Placer	Forester
Garcia, Marix Trixia	10 <sup>th</sup> Placer	Nursing
Dionisio, Martes D. Jr.	10 <sup>th</sup> Placer	Teacher
Winston Valenciano	7 <sup>th</sup> Placer	Veterinarian

The performance of graduates in the Licensure Examination for Teachers held on March and September 2012 are presented in Table 7. Except for that of BEE graduates during the March LET, the institutional passing rate for BSU-Bokod is higher than that of the National passing rate.

Table 7. Performance of graduates in licensure examinations (Bokod Campus)

<b>PROFESSION</b>	<b>EXAMINEE (#)</b>	<b>PASSER (#)</b>	<b>BSU PASSING RATE (%)</b>	<b>NATIONAL PASSING RATE (%)</b>
Teacher (BSIE - March 2012)	1	1	100	24.85
Teacher (BEE - March 2012)	12	5	41.67	42.46
Teacher (BSIE - Sept 2012)	21	15	71.43	43.50
Teacher (BEE - Sept 2012)	21	19	90.48	49.29

In the September 2012 Licensure Examination for Teachers (LET), The BSU-Buguias Campus is at its proudest for having the highest number of graduates who passed. Based on the data of the Registrar’s Office, the first batch of BEEd and BSEd graduates of BSU- Buguias Campus had started taking the licensure examination since 1998 and records show the stable percentage of passers through the years.

This year, advancement was gleaned on the LET performance of graduates for having the most number of passers. For the BSEd, out of 13 examinees, 12 made it; for the BEEd graduates, 3 of the 4 examinees passed. Adding to the number of these first takers, there were five (5) other BSU – BC graduates who had been taking the exam in the previous years and were fortunate to pass this year. That makes a total of 20 passers out of 29 in all (Table 8).

First timers who passed in the LET for elementary are: Jacky C. Ambatang, Roxanne B. Astodillo, Abe Marie P. Atiw-an, Jennifer G. Balas, Mirriam M. Calis, Rosety N. Ngosi, Brenelyn P. Saldaen, Nolididad P. Saldaen, Perlita D. Wahiwa, Saria D. Polinney, Jane P. Bay-an, and Lea P. Bellayan. For secondary, they are: Dyan Rose E. Briones, Maribel D. Seg-ed, and Daisy M. Yaos.

Table 8. Performance of graduates in board/licensure examinations

PROFESSION	EXAMINEE (#)	PASSER (#)	BSU PASSING RATE (%)	NATIONAL PASSING RATE (%)
Teacher - Elementary (March 2012)	7	5	71.43	24.85
Teacher - Secondary (March 2012)	12	1	8.33	42.46
Teacher - Elementary (Sept 2012)	12	3	80.00	43.50
Teacher - Secondary (Sept 2012)	14	8	57.14	49.29

## Faculty

### Faculty Profile

As of the 2<sup>nd</sup> semester of SY 2012-2013, the university has 320 faculty members. As shown in Figure 6, 27% (87) are PhD/EdD degree holders, 56% (178) are MA/MS degree holders and 17% (55) are BS/AB degree holders.

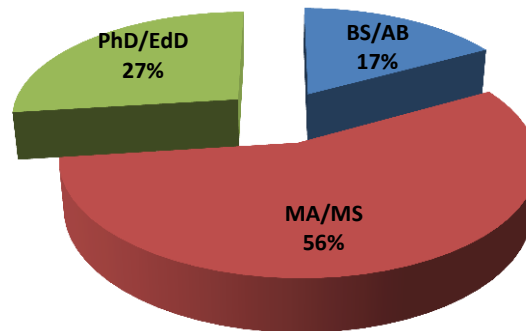


Figure 6. Faculty distribution according to educational qualification

### Graduate Studies Completed

Eighteen (18) faculty members and staff completed their graduate studies, six (6) of whom are doctorate degree holders (Table 9).

Table 9. List of personnel who completed graduate studies in 2012

NAME	UNIT	DEGREE AND SPECIALIZATION / SCHOLARSHIP	SCHOOL ATTENDED	GRADUATION DATE
<b>College of Agriculture</b>				
Gatab, Michelle B.	Department of Development Communication (DDC)	M. DevCom	BSU Open University	October

NAME	UNIT	DEGREE AND SPECIALIZATION / SCHOLARSHIP	SCHOOL ATTENDED	GRADUATION DATE
Pinos-an, Igrelyn P.	DDC	M. DevCom	BSU Open University	October
Sidchogan, Christine Grace B.	DDC	M. DevCom	BSU Open University	March
<b>College of Arts and Sciences</b>				
Cuilan, Jhordan T.	Humanities	MA English as a Second Language	BSU	March
Dines, Elvira G.	Humanities	PhD in Language Education	SLU	March
Gapasin, Mursha D.	Social Sciences	MA Psychology	SLU	March
Guron, Maricel A.	Biology	MSc Environmental Studies	Autonomous University of Barcelona, Spain	February
Tica-a, Penelope F.	Humanities	PhD in Language Education	BSU	March
Sison, Myrna B.	Humanities	PhD in Language Education	BSU	March
Tomas, Dominga S.	Humanities	PhD in Language Education	BSU	March
<b>College of Home Economics and Technology</b>				
Bawang, Amelia G.	DHNF	Masters in Business Administration	CCDC	March
Tuguinay, Jovanie C.	DHNF	Masters in Business Administration	SLU	November
<b>College of Nursing</b>				
Gay-as, Maureen E.	College of Nursing	Master of Arts In Nursing Major in Maternal and Child Nursing	University of Northern Philippines	March
Basquial, Kelvin Bruce	College of Nursing	Master of Arts in Nursing Major in Adult Nursing	Baguio Central University	May 16
Toclo, Edgar	College of Nursing	Master of Arts in Nursing Major in Adult Nursing	Baguio Central University	May 16
<b>College of Teacher Education</b>				
Manas, Froilan B.	CTE-DEE	PhD Major in Educational Mgmt	BSU	May
Divindo, Betty M.	CTE-DEE	PhD Major in Educational Mgmt	BSU	May

NAME	UNIT	DEGREE AND SPECIALIZATION / SCHOLARSHIP	SCHOOL ATTENDED	GRADUATION DATE
<b>College of Veterinary Medicine</b>				
Romero, Loretta C.	CVM	MS Vet. Medicine Public Health	CLSU, Nueva Ecija	November

Eleven (11) faculty of the Bokod Campus are currently taking up graduate studies. Majority (9) are enrolled at the Baguio Central University, one (1) at Nueva Viscaya State University, and another at Saint Mary’s University (Table 10).

Table 10. Bokod Campus faculty with on-going graduate studies

NAME	POSITION	UNIT	DEGREE AND SPECIALIZATION	SCHOOL
Alex, Juna	Teacher III	Sec. Dept	MA - Technology and Home Economics	NVSU
Bato, Williana	Teacher III	Sec. Dept	MA - Home Economics	BCU
Emeliano, Analine	Teacher I	Sec. Dept	MA - Home Economics	BCU
Esnara, Chester	Master Teacher I	Sec. Dept	PhD - Language Studies	SMU
Herman Shakira	Teacher III	Sec. Dept	MA - English	BCU
Tino, Oreza	Teacher II	Sec. Dept	MA - Math	BCU
Tobias, Rozsi	Teacher I	Sec. Dept	MA - Math	BCU
Sinas, Cherry	Teacher II	Sec. Dept	MA - English	BCU
Basco, Federico	Instructor III	College Dept	PhD - Administration & Supervision	BCU
Calpaci, Avelino	Teacher III	Sec. Dept	MA - Administration & Supervision	BCU
Cosme, Leonora	Teacher II	Sec. Dept	MA - Administration & Supervision	BCU

The Campus has forty-four (44) regular and five (5) contractual faculty members. Mrs. Raquel O. Abyado graduated her MAEd major in Education Management on April 3, 2012 at the Mt. Province State Polytechnic College. Ms. Abyado has a degree in Bachelor in Secondary Education major in Filipino. The distribution of faculty by highest degree attained is presented in Figure 7.

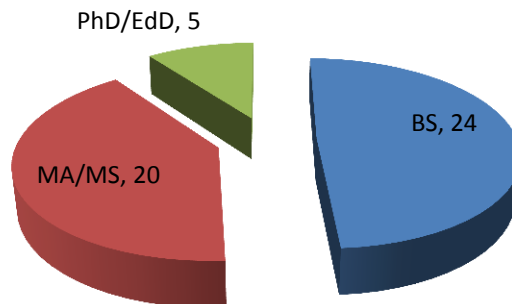


Figure 7. Faculty Distribution by Highest Degree Attained

**Graduate Studies**

Seventy-three (73) faculty members of the university, three (3) staff from the Office of the University Registrar, and two medical staff (2) from the University Health Services Office are pursuing their graduate degrees. The distribution by college is presented in Figure 8.

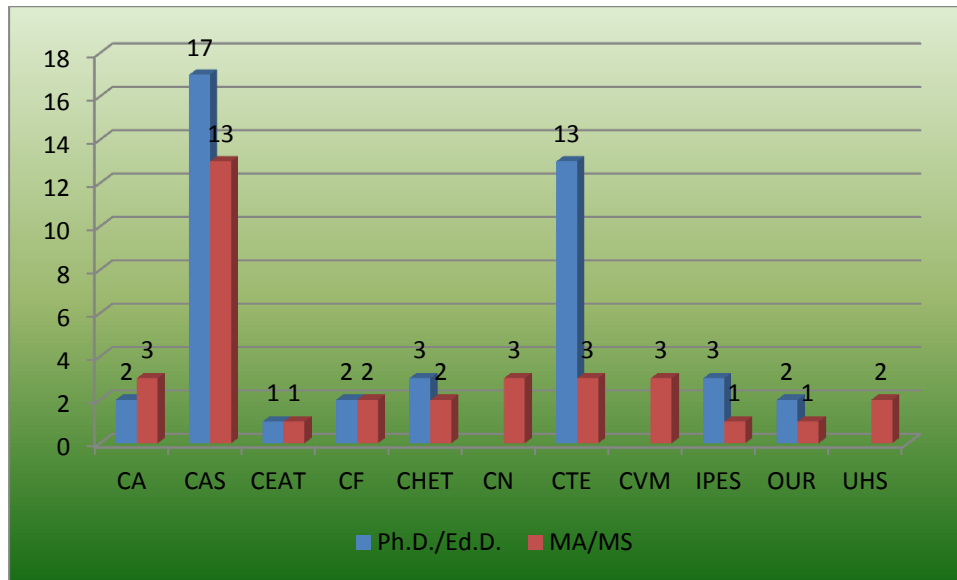


Figure 8. Distribution of faculty and staff with on-going graduate studies by college/office

**Sabbatical Leave**

The following faculty members have completed their sabbatical leave during the year:

Dr. Bernard S. Tad-awan (November 2011 – October 2012 )

*Educational Material on Mycology; Mushroom Production Book*

Dr. Rogelio D. Colting, Jr. (December 6, 2011 – December 5, 2012)

*Organic Agriculture*

Currently, the following faculty members are on sabbatical leave:

Dr. Fernando R. Gonzales (June 4, 2012 – June 3, 2013)

*Manual on Chickpea Seed Production in the Cordillera Administrative Region*

Dr. Darlyn D. Tagarino (November 5, 2012 – November 4, 2013)

*Impact Assessment, Climate Change, Gender and Development or Consumer Behavior*

Dr. Jose J. Josue (November 5, 2012 – November 4, 2013)

*Lecture and Laboratory Manuals for the Courses Bio 115 and Bio 108*

**Trainings/Seminars/Workshops Attended**



To further their professional growth, personnel from the academic sector continue to attend various trainings, seminars, and workshops sponsored by international, national, regional or local organizations. Below (Table 11) is the list of international undertakings attended by BSU faculty members for the year under review.

Table 11. List of international trainings, seminars and workshops attended by faculty in 2012

<b>TITLE</b>	<b>FACULTY</b>	<b>PLACE</b>	<b>DURATION</b>	<b>SPONSOR</b>
<b>College of Agriculture</b>				
2012 International Conference on Business, Entrepreneurship and Management	RB Lokines and SL Duyan	San Beda College, Manila	January 25-26	San Beda College
9 <sup>th</sup> International Igorot Conference	SL Duyan	Baguio Country Club, Baguio City	April 12-14	Igorot Global Organization
Regional Workshop of the Food Security Through Asian Roots and Tubers (FoodSTART) Project	JC Perez	Chengdu, China	August 27-September 1	CIP-IFAD
4 <sup>th</sup> International Conference of Agribusiness and Economics	JM Sim LN Tagarino NT Longay SL Duyan	Royal Mandaya Hotel, Davao City	July 10-12	UP Mindanao ACIAR and Curtin University
International Conference Cum Symposium for Schools of Living Traditions Paper Presented: <i>Indigenous Kankana-ey and Ibaloi songs: A Communication Start for Social Values Development among Benguet Youth</i>	GSC Mangahas	UP-Baguio	June 24	Heritage and Arts Academies of the Philippines Inc.
International Conference Cum Symposium for Schools of Living Traditions Paper Title: <i>Concrete Steps to Support the Indigenization of the Curriculum: Initiatives of Benguet State University</i>	MLD Fang- asan	UP-Baguio	June 24	Heritage and Arts Academies of the Philippines Inc.
International Conference on the Academic and Industry Partnership for Research and Innovation	BA Tad-awan PA Lubrica	Mandaluyong, Philippines	October 9-10	CHED
ISSAAS International Symposium and Congress	AL Nagpala TM Merestela	Hotel St. Ellis Legaspi, Albay	November 13-17	ISSAAS, Bicol University, SAEDA
<b>College of Arts and Sciences</b>				

TITLE	FACULTY	PLACE	DURATION	SPONSOR
5 <sup>th</sup> International Conference and Scientific Meeting of the Environmental Education Network of the Philippines (EENP)	MP Cadeliña (Poster Presentor) RA Gomez, Jr. AMM Sandoval (Paper Presenters)	John B. Lacson Foundation Maritime University, Molo, Iloilo City	February 15-17	EENP1
Towards a Program of Leadership Training	SZ Beligan	Manila	April 13-14	DAAD, German Exchange Service and University Federation of Educators linked to Deutschland
12 <sup>th</sup> Euasia Conference on Chemical Sciences	LP Pladio	Corfu, Greece	April 16-21	International Union of Pure and Applied Chemistry
International Conference: Innovative Research in a Changing and Challenging	RD Pacio JLS Ramos (Paper Presentors)	Phuket, Thailand	May 16-18	Australian Multicultural Interaction Institute
2 <sup>nd</sup> International and 12 <sup>th</sup> Scientific Conference, PSSSN, Inc. Poster: <i>"Poster Assessment of Mt. Pulag National Park"</i>	RA Gomez, Jr.	General Santos City	May 22-27	PSSN, Inc.
International Educators Conference 2012	KS Panolong	Ateneo de Manila University	July 28	Step Up International Services, Inc.
International Conference on Education and Measurement and Evaluation	MAB Lubrica	Trader's Hotel, Pasig City	August 8-11	PEMEA
World Research Festival	SS Poliden	Cebu City	August 22-25	IAMURE
DIES Training Course on "University Graduates Tracer Study" (UNITrace) Part 3 and the International Conference on "Experience with Link and Match in Higher Education Results of Tracer Studies Worldwide (EXLIMA)	SZ Beligan	University of Kassel, Germany	October 17-25	University of Kassel, Ministry of Economic Cooperation and Development (BMZ), German Academic

TITLE	FACULTY	PLACE	DURATION	SPONSOR
				Exchange Service (DAAP)
4 <sup>th</sup> International Professors and Educators Conference	R DeGuzman	Manila Hotel	November 15-16	GPPF
<b>College of Home Economics and Technology</b>				
Int'l Conference on Business, Entrepreneurship & Management	J.B.Pinos-an E.P.Belino	San Beda College Manila	Jan.24-27	
Icomos ICTC International Convention on Cultural tourism and Annual Meeting	AGBawang	Vigan City, Ilocos Sur	November 7-8	ICOMOS Philippines
<b>College of Teacher Education</b>				
International Deans' Course "Asia 2012/2013"	LR Sito	University of Applied Sciences Osnabrueck, Germany	June 16-28	German Academic Exchange Service DAAD
International Deans' Course South East Asia 2012-2013 Part II/ Project Action Plan (PAP): <i>Enhancing Work Competencies of Identified BSU Academic Managers and Service Providers</i>	LR Sito	Bangkok, Thailand	October 22-27	ADMIN
DIES Training Course on "University Graduates Tracer Study Course." (UNITRACE) Part 3 and the International Conference on Experiences with Link and Match in Higher Education Results of Tracer Studies Worldwide"	DS Garin	Sanur, Bali, Indonesia	October 16-26	ADMIN
<b>Graduate School</b>				
International Conference on Educational Measurement and Evaluation	JV Lubrica	Manila	August 8-11	Phil. Educational Measurement and Evaluation
10 <sup>th</sup> AsiaTEFL Conference: Classroom Discourse of Teachers and Learners of ISPCS	GVB Jacalan GB Somera	New Delhi, India	October 4-6	CHED
International Academic Forum: The Asian Conference on Education 2012- Multiple Intelligence and Academic	MAB Lubrica JV Lubrica	Osaka, Japan	October 24-28	

TITLE	FACULTY	PLACE	DURATION	SPONSOR
Performance of BS Applied Statistics Students				

BSU-Bokod and Buguias Campus faculty also attended various trainings and seminars within the year, Table 12 and 13 respectively. Majority of the trainings/seminars attended were sponsored by the Department of Education.

Table 12. Trainings/Seminars attended

TITLE	STAFF	PLACE	DURATION	SPONSOR
National Training Workshop on Phase 1 – Intro to Teaching with Computers	Sapdit, Agustina	SLU	March 2-5	CHED
The Multi-literate Teacher Educators for the 21 <sup>st</sup> Century	Batanes, Estrella	BSU	March 15-16	BSU
Skills Development Training	Lino, Lorna	TSHI	April 1	DepEd
Lecture on “ Writing for various media and book tour”	Pigangay, Alicia Herman, Shakira	University of Baguio	April 25-26	UB
EPP Seminar at TSHI			May 1-4	DepEd
TLE Planning Seminar; K-12 Orientation;		Benguet Division Office	May 9-11	DepEd
Mass training for grade 7 Teachers	Cosme, Leonora Cuilan, Amorsolo Diwas, Aida Emeliano, Analine Moreno, Alfredo Palcongan, Rowena	University of the Cordilleras (UC)	May 14-18	DepEd
National Seminar Workshop on Testing and Evaluation		Sta Catalina Center, BC	May 16-18	International English Learners Training Institute, Inc.
Non-formal Education Orientation		Ambuklao	June 1, 12,13,15	LGU
International Seminar-Workshop for Present and Future School Administrator	Pigangay, Alicia	Hotel Henrico, Baguio City	June 8-11	International English Learners Training Institute, Inc.
Seminar on “Doing Basic Social Research”	Pino, Edna Liza	BSU	Sep 19-21	BSU
National Conference & Training of EPP & TLE Teachers	Bato, Williana	Kalibu, Aklan	October 19-23	Phil. Home Economics Association

TITLE	STAFF	PLACE	DURATION	SPONSOR
60 <sup>th</sup> Mechanical Engineering Annual National Convention	Molintas, Edgar M.	SMX, Mall of Asia, Pasay City	October 23-26	
National Seminar and Forum on Local History and Other Topics		Hotel Supreme, Baguio City	October 24-26	Research and Education Development Training Institute
Reg'l Accreditation Course for DepEd School Officiating Officials		Baguio City National High School (BCNHS)	November 8-10, 2012	DepEd

Table 13. Trainings attended by faculty members

TITLE	NAME	DATE	VENUE	SPONSOR
iSchools Project Closeout for Region I and CAR	Senti, Clyde A.	January 5-7	Heritage Hotel, Vigan City	CICT
Phase 1 – Introduction to Teaching with Computers		March 2-4	SLU, Baguio City	World Links and SLU
Learners on Center Stage	Bulogney, Leila P.	Sept 15	BSU-GS	BSU-Main
Career and Employment Coaching for Guidance Counselors	Misaen, Nenita P.	Dec 12	Hotel Veniz, Baguio City	DOLE

### ***Faculty Awards***

Through the years, academic sector personnel have been recognized by award-giving bodies in the international, national, regional, provincial, and local levels. Table 14 shows some of the notable awards given to the faculty of the University along instruction.

Table 14. Recognitions received by faculty from other agencies

AWARDEE	AWARD	AWARDER	DATE AND VENUE
<b><i>College of Agriculture</i></b>			
Merestela, Tessie M.	Crystal Service Award	AACCUP	February 21, 2012 Manila Hotel
Nagpala, Asuncion L.	Gerardo O. Ocfemia Outstanding Plant Pathologist Award in Instruction	Philippine Phytopathological Society Inc. - (PMCP)	May 8 -12, 2012 Mallberry Suites, Cagayan De Oro City

<b>AWARDEE</b>	<b>AWARD</b>	<b>AWARDER</b>	<b>DATE AND VENUE</b>
Merestela, Tessie M.	2012 UPLBCA Distinguished Alumna Award for Leadership in Higher Education Administration	UPLB College of Agriculture Alumni Association	October 9, 2012 UPLB EB Copeland Gymnasium
<b>Office of Student Affairs</b>			
Lad-ey, Maricris P. MA Guidance & Counseling	Best Master's Thesis ( <i>Effectiveness of Rational Emotive Behavior and Existential Counseling Therapies to Academic Underachievers: Basis for Guidance</i> )	DMMMSU-Agoon Campus	March 14, 2012 / DMMMSU

Loyalty/ Service Awards were also given to faculty and staff during the 26<sup>th</sup> Charter Day Celebration. Awardees were given plaques of recognition and monetary incentives.

### Program Accreditation and Curriculum Development

#### ***AACUP Accreditation***

On August 29 – September 1, the Accrediting Agency for Chartered Universities and Colleges in the Philippines, Inc. (AACUP) visited the University and evaluated the following degree programs:

<b>PROGRAMS</b>	<b>LEVEL APPLIED</b>
BS Applied Statistics	Level IV
BS Forestry	Level III; Revisit all areas
BS Environmental Science	Level I
BS Information Technology	Level I
MA Applied Statistics	Level I
MA Mathematics	Level I
MS Biology	Level I
PhD Science Education – Biology	Level I
MA Physical Education	Preliminary Survey
MA Public Administration	Preliminary Survey

Of the 52 residential degree programs offered by the University, 45 have undergone accreditation. This includes seventeen (17) BS degree programs, twenty-two (22) MA/MS degree programs, and six (6) PhD degree programs (Table 15).

Table 15. Summary status of accredited of programs as of 2012

<b>STATUS</b>	<b>PROGRAM (#)</b>			<b>TOTAL</b>
	<b>BS (Accredited Program/Total BS Program)</b>	<b>Master's (Accredited Program/Total MS Program)</b>	<b>PhD (Accredited Program/Total PhD Program)</b>	
Candidate	2/18	4/27	-	<b>6</b>
Level 1 Accredited	3/18	9/27	4/7	<b>16</b>

Level II Re-Accredited	2/18	1/27	-	<b>3</b>
Qualified for Level III	1/18	1/27	-	<b>2</b>
Level III Re-Accredited	8/18	7/27	2/7	<b>17</b>
Assessment on-going to Qualify for Level IV	1/18	-	-	<b>1</b>
<b>Total</b>	<b>17/18</b>	<b>22/27</b>	<b>6/7</b>	<b>45/52</b>

### ***Curriculum Development***

Reviews, revisions, and development of curricular programs being offered were undertaken by the different colleges including the Open University. These revisions were made based on the requirements of the Commission on Higher Education (CHED) and respective Technological Panels.

The curricular programs which have undergone curricular review/revision are the following:

- BS Development Communication Curriculum CMO 15 s. 2010
- Bachelor of Science in Environmental Science
- Bachelor of Science in Applied Statistics
- Bachelor of Science in Information Technology
- Bachelor of Science in Entrepreneurial Technology
- Master of Arts in Chemistry
- Master of Arts in English as a Second Language *changed to* MA English
- Master of Arts in Filipino
- PhD in Language Education *changed to* PhD in English and PhD in Filipino
- PhD Educational Management

New curricular programs developed/proposed for offerings:

- Bachelor of Arts in English and Communication
- MA Library Information Science
- MA Pre-School Education
- Doctor of Agriculture (by Research)
- Doctor of Development Management
- Master in Organic Agriculture Management
- Diploma in Mushroom Production Landscape Management
- Diploma in Landscape Management
- 

### **Auxiliary Services**

#### ***Student Services***

Student Development. The Office of Student Affairs (OSA) worked in partnership with other government agencies to promote student development through trainings and seminars. These training courses were conducted for students from the three campuses of the University.

The topics covered included:

- Career Coaching
- Stress Management
- Study Habits and Test-taking Tips
- Premarital Sex and Teenage Pregnancy
- Adolescent Issues
- Understanding Bullying

Topics for student leaders included:

- Leadership and Personality Development
- Conflict Resolution
- Building a Stronger Relationship
- Internal Operating Budget Seminars

For specific audiences, the following topics were discussed:

- Personality Test Interpretation
- Organizing an Elementary Guidance Program
- Counseling Perspectives in the Philippines and Guidance Services

Aside from in-house trainings activities, students were also sent to participate in regional and national events.

Student Scholarship Grants. Table 16 shows summary of scholarship grants for SY 2011-2012.

Table 16. Number of students with scholarship grants for SY 2011-2012 (As of July 2011 and January 2012)

SCHOLARSHIP	1 <sup>ST</sup> SEMESTER			2 <sup>ND</sup> SEMESTER		
	Sex		Total	Sex		Total
	Male	Female		Male	Female	
<b>BSU-Sponsored Scholarships/Grants</b>						
Academic Scholars	15	104	119	33	139	172
Entrance / Honorific	15	38	53			
BSU Employees' Dependent	29	32	61	27	32	59
BSU-LGU Grant	64	160	224	41	117	158
Athletics Grant	47	35	82	52	41	93
Scholarships granted to deserving members of student organizations	43	53	96	53	70	123
Mandated Organizations Membership Grant	14	13	27	17	29	46



SCHOLARSHIP	1 <sup>ST</sup> SEMESTER			2 <sup>ND</sup> SEMESTER		
	Sex		Total	Sex		Total
	Male	Female		Male	Female	
CHED-OTOS-SP (BSU's Share)	(11)	(30)	(41)	(11)	(32)	(43)
<b>TOTAL (BSU Sponsored)</b>	<b>227</b>	<b>435</b>	<b>662</b>	<b>223</b>	<b>428</b>	<b>651</b>
<b>Scholarships Sponsored by Other Gov't Agencies</b>						
ALE Partylist	1	2	3	3	3	6
ANAKPAWIS Partylist				3	6	9
AVE Partylist	0	1	1	0	1	1
BAYAN MUNA Partylist				8	14	22
BUTIL Partylist-Cooperative Bank of Benguet	4	23	27	5	19	24
CIBAC Partylist	11	22	33	10	39	49
Commission on Higher Education (CHED)	75	195	270	77	216	293
Dept. of Agrarian Reform Scholarship Program	3	14	17	2	15	17
Department of Agriculture-ACEF				2	4	6
DIWA Partylist (Main and Buguias Campus)	7	15	22	12	23	35
Dept. of Science and Technology (DOST)	8	9	17	8	9	17
LTB-Municipal Scholarship Board (LTB-MSB)	0	1	1	0	2	2
Overseas Workers' Welfare Association (OWWA)	0	1	1	0	1	1
Youth in Agriculture and Fisheries Program	1	8	9	1	12	13
<b>TOTAL (Other Gov't Agencies)</b>	<b>110</b>	<b>291</b>	<b>401</b>	<b>131</b>	<b>364</b>	<b>495</b>
<b>Scholarships Sponsored by Private Entities</b>						
BSU- Alumni Association, Inc. S Program		3	3	0	6	6
BSU-Multipurpose Cooperative SP	3	1	4	3	1	4
Cesaria Romero Gil Foundation SP	1	1	2	1	0	1
Gina De Venecia				1	0	1
Korean Forest Professional Engineers Office Association SP	0	2	2	0	2	2
Korean Ginseng Growers' Association Scholarship Program	1	1	2	1	0	1
Lepanto Educational Assistance Program	14	26	40	29	62	91
PARRFI	1	1	2	1	3	4
SEEDS				3	3	6
Syngenta				0	1	1
<b>TOTAL (Private Sponsors)</b>	<b>20</b>	<b>35</b>	<b>55</b>	<b>39</b>	<b>78</b>	<b>117</b>
<b>GRANT TOTAL</b>	<b>357</b>	<b>761</b>	<b>1118</b>	<b>393</b>	<b>870</b>	<b>1263</b>

The Buguias Campus have are 17 scholarship sponsors with 79 students and total scholarship fund of Php280,077.50 (Table 17).

Table 17. Scholarship data (Buguias Campus)

SCHOLARSHIP	SCHOLAR (#)	AMOUNT (PHP)
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SCHOLARSHIP	SCHOLAR (#)	AMOUNT (PHP)
Faculty Dependent	1	2,900.00
ROTC	4	7,862.50
Academics	5	5,225.00
Antonio Trillanes	2	7,180.00
DIWA	2	6,080.00
Brgy Official Dependent and SK Official	5	11,550.00
BSU – MPCl	2	6,580.00
CHED	1	2,900.00
SSG President	1	2,300.00
LEAP	28	157,290.00
Municipal Financial Assistance Program	17	54,330.00
VP Binay	5	(Not released)
Lepanto Women's Association	1	(Not quantified)
NCIP	1	6,000.00
Congressional	1	(Not quantified)
Café Maleg-ang & PCCI Benguet	2	6,780.00
ALS Passer's Incentive	1	6,000.00
<b>TOTAL</b>	<b>79</b>	<b>280,077.50</b>

Students from the Buguias campus attended various trainings which were sponsored by other organizations/agencies and by the Guidance Office. Two students participated in the Ayala Foundation, Inc. Student Leaders Group held at the BSU-Main Campus on May 21-23, 2012 and Parliamentary Procedures held at the BSU-Buguias Campus on September 13, 2012 (Table 18).

Table 18. Seminars attended by students from the Buguias Campus

TITLE	DATE	HOUR (#)	SPONSOR	PARTICIPANT (#)
<b>Conducted by Other Organizations/Agencies</b>				
Leadership Training - First Aid Training	Oct 13	8	Benguet Red Cross Chapter	30
Disaster Preparedness	Oct 14	8	Municipal Fire Department	25
Dairy Production-BAT Students	November 12 - January		Baguio Stock Farm	6
TOTAL				61
<b>Conducted by the Guidance Office</b>				
Ayala Foundation, Inc. Student Leaders Group	May 21-23/ BSU-Main	24	Ayala Foundation, Inc.	2
Parliamentary Procedures, Action Plan and Rules in Governing the Formation of Student Organizations	Sept. 13/ BSU-Buguias Campus	8	BSU-BC Guidance Office	40
TOTAL				42

The following activities were also conducted for the students:

- **Field Trip** - The Apiculture Students went to NARTDI, Bacnotan, La Union on October 25 – 26, 2012. They were exposed to honey processing, silkworm production and the piggery project.
- **BSU-BC Got Talent** - With the aim to encourage students to hone their talents and to boost their confidence, the BSU- Buguias Campus Supreme Student Council staged a variety show titled “BSU-BC Got Talent” on October 19, 2012 at the Campus Social Hall. The event was witnessed by an audience of more than 500 which is composed of students, parents, and other members of the community.
- **Athletics** - Forty three (43) high school students participated in the Provincial Athletic meet held at Wangal, La Trinidad, Benguet on December 12-15, 2012 in the events of ballgames, allied games, track and field events.
- **Tetanus Toxoid Immunization** - One hundred seventy or 100% of the female college students were administered with TTI on February 16, 2012. While one hundred twenty (120) female high school students were administered with TTI on February 22, 2012.
- **Deworming** - One hundred percent (100%) or 472 high school students were dewormed on January 13, 2012.

### Library Services

The University Library and Information Services (ULIS) have recorded about 9, 080 books circulated. It also continues to increase its collection by subscribing to different print publications and acquiring several books which amounted to PHP 1, 006, 458.

Frequency of active library users is shown below as of December 12, 2012:

<u>College</u>	<u>Students</u>	<u>Faculty</u>
College of Agriculture	577	7
College of Arts and Sciences	203	30
College of Engineering and Applied Technology	124	1
College of Forestry	93	2
College of Home Economics and Technology	623	6
College of Nursing	130	11
College of Teacher Education	664	16
College of Veterinary Medicine	120	2
SLS	6	1
<b>Total</b>	<b>2,540</b>	<b>76</b>

The Buguias Campus purchased seventy (70) books amounting to PhP50,000.00 from the Campus Fund (Table 19).

Table 19. Books purchased in 2012

QTY	TITLE	AUTHOR	YEAR PUBLISHED
3	Komunikasyon sa Akademikong Filipino	Ulit, Perla, <i>et. al.</i>	2012

QTY	TITLE	AUTHOR	YEAR PUBLISHED
1	Masining na Pagpapahayag Retorika (Fil 11)	San Juan, Gloria P., <i>et. al.</i>	2012
2	Pagbasa at Pagsulat sa Iba't Ibang Disiplina (Fil 2)	Tumangan, Alcomtiser P., <i>et. al.</i>	2012
2	Masining na Pakikipagtalastasan para sa Akademikong Filipino	Gonzalvo, Romeo P., <i>et. al.</i>	2011
5	Masining na Pagpapahayag Para sa Kolehiyo (Fil 3)	Matienza, Narciso	2011
5	Metodolohiya sa Pagtuturo ng Wika	Badayos, Paquito B.	2011
5	Pagbasa at Pagsulat Tungo sa Pananaliksik	Ulit, Perla Gomez	2008
2	Pagbasa at Pagsulat Tungo sa Pananaliksik sa Antas ng Tersaryo(Fil 2)	Cruz, CynthiaB., <i>et. al.</i>	2010
2	Simplified Mathematics of Investment (Calculated based with Application	Nacon, Ferdinand P.	2012
1	Analytic Geometry with Solid Mensuration	Comandante, Felipe L.	2011
3	Microbial Physiology and Genetics	Davis, Kyle	2010
1	Fresh Flower Arranging	Welford, Mark, <i>et. al.</i>	2011
2	Plant Breeding	Stronccone, Carmen	2010
2	Plant Ecology	Cervantes, Lydia	2010
5	Facilitating Human Learning	Aquino, Avelina M.	2009
5	Assessment of Student Learning II	Calmorin, Laurentina P.	2011
5	Assessment of Student Learning II	Calmorin, Laurentina P.	2011
5	Field Study 1	Lucas, Ma. Rita D.	2010
3	Foundation of Education 1	Tulio Doris	2011
3	Guidebook in Student Teaching	Vega, Violeta	2012
3	Biological Science for College Students	Bueno, David	2011
2	Botany	Brown, Margret	2010
2	Management of Plant Diseases	West, Gregory	2010
1	Welding	Geary, Don, <i>et. al.</i>	2011

### Health Services

Table 20 summarizes the accomplishments of the University Health Services (UHS) for the year 2012.

Table 20. Accomplishments of the University Health Services in CY 2012

MONTH	CONSULTATION	PHYSICAL EXAM	BP TAKEN	MEDICAL CERT. ISSUED	MEDICAL SLIPS	CLEARANCE	REFERRALS	LAB
January	224	77	270	39	06	04	13	11
February	202	122	365	130	01	04	11	04
March	97	22	783	13	18	174	06	04

MONTH	CONSULTATION	PHYSICAL EXAM	BP TAKEN	MEDICAL CERT. ISSUED	MEDICAL SLIPS	CLEARANCE	REFERRALS	LAB
April	32	683	233	31	682	40	02	00
May	37	1,845	182	46	1,843	08	09	00
June	108	505	446	26	480	07	11	30
July	223	13	1,024	37	05	05	12	05
August	188	07	766	39	00	05	17	13
September	249	29	408	48	00	04	12	18
October	110	194	137	14	141	48	11	22
November	146	545	813	15	337	01	08	07
December	101	102	556	105	0	01	06	05
<b>TOTAL</b>	<b>1,576</b>	<b>4,144</b>	<b>5,983</b>	<b>520</b>	<b>3,513</b>	<b>265</b>	<b>117</b>	<b>97</b>

## RESEARCH AND EXTENSION

### Research Services

#### *R and D Program/Project Proposals Evaluated*

Twenty-nine (29) project proposals were evaluated within the year; eleven (11) of which are BSU-funded and eighteen (18) are externally-funded. The BSU-funded projects include eight (8) research studies from the College of Agriculture, College of Engineering and Applied Technology, College of Forestry, and College of Home Economics and Technology; two (2) extension activities from the College of Forestry, and College of Home Economics and Technology, and one (1) thesis-assisted for a College of Forestry student.

The following program/project proposals were submitted to various agencies for funding during the year and are at different stages of evaluation.

#### DA (NOAB)

- *Conversion of Temperate Vegetable and Strawberry Traditional Farms into Organic Via Rotation and Intercropping with Leguminous Vegetables and Peanut* by Janet S. Luis and Jose G. Balaoing

#### CHED-DAP

- *Local Antisera Production for Seeds and Planting Materials Certification of Selected High Value Crops in the Cordillera* by Janet S. Luis, Julio S. Ligat, Jocelyn C. Perez, Grace S. Backian, Cynthia G. Kiswa, Edlyn Mae N. Ciano and Loretta C. Romero
- *Population Dynamics of Major Soil-Borne Diseases of Selected Crops Grown in Three Agro-Ecological Zones in the Highlands of Northern Philippines* by Luciana M. Villanueva and Nordalyn Pedroche

- *Regional Tissue Culture Laboratory (Facility/ Laboratory Upgrading* by Araceli G. Ladilad for College of Agriculture
- *Materials and Machine Testing, and Metal Water Laboratory (Facility/ Laboratory Upgrading)* by Edith D. Carlos for College of Engineering and Applied Technology
- *Chemical Analytical Service Laboratory (Facility/ Laboratory Upgrading* by Louisa Pladio for College of Arts and Sciences
- *Optimizing Crop and Animal Clinic Services in Response to Climate Change Effects in Agriculture in the Northern Philippine Highlands* by Asuncion L. Nagpala, Jocelyn M. Runos, Criselda S. Battad, Belinda A. Tad-awan, Esther D. Sagalla, and Kenneth A. Laruan

CHED – Growth Area

- *Tourism Facility/Laboratory Upgrading* by Lita M. Colting
- *Animal Processing Laboratory* by Myrna B. Walsiyen and Mary Arnel dela Cruz Garcia
- *Organic Vegetable Production Facility*
- *Inland Fisheries* by John F. Malamug
- *Renewable Energy* by John F. Malamug and Edgar M. Molintas

NAFC

- *Entrepreneurship for Young Farmers, Batch 10* by Janet S. Luis, Flordeliza O. Naje, and May Flor P. Magciano

CHED

- *Capability Building in Climate Change Hazard Management* by Marissa Parao, Maria Luz Fang-asan, Mursha Gapasin, and Janet Pablo
- *Pre-amalgamation Initiatives for CAR State Universities and Colleges* by CARSUCs Presidents
- *Academic Complementation* by CARSUC Presidents

UN-WFP

- *UN proposal*

***Agency In-House Review (Research Results Presented)***

A total of 83 research project/stud results were presented during the Agency In-House Review held at the Northern Philippines Root Crops Research and Training Center (NPRPRTC) on July 25-26, 2012. Fifty-three (53) are ongoing projects and twenty-eight (28) are completed projects (Figure 9).

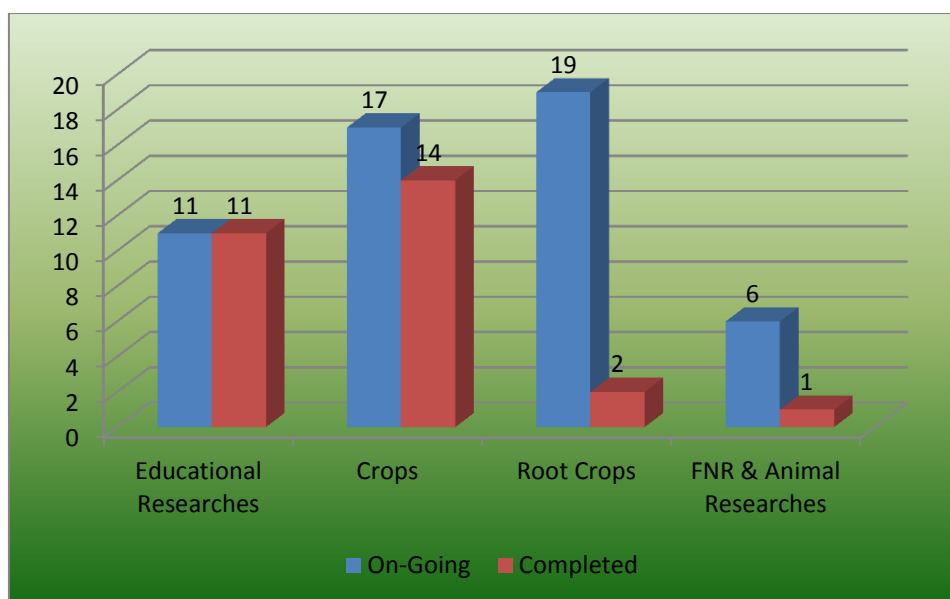


Figure 9. Distribution of Papers Presented During the Agency In-House Review

### Researches Published

Twenty-eight (28) papers/articles were published in various journals, magazines, newspapers and as a component of a training manual (Table 21).

Table 21. List of published papers/articles in 2012

ARTICLE/PAPER	DATE	AUTHOR/S
<b><i>IAMURE: International Journal of Multidisciplinary Research ISSN 22438327</i></b>		
Cognitive Learning Strategies Among Teacher Education Students: Their Implications for Improving Classroom Practices	January 2012	PA Lubrica, JS Montemayor, DF Botengan, MN Alvaro, AC Capili, DM Yango, ES Angiwan, AVG Gallardo
<b><i>Debates on Early Childhood Policies and Practices – Global Snapshots of Pedagogical Thinking and Encounters</i></b>		
Early Childhood Education in the Philippines: Administration and Teaching Practices	2012	PA Lubrica, Chul Woo Lee and ES Angiwan
<b><i>Philippine Journal of Crop Science</i></b>		
Growth and "French Bean" Yield of Eight Bush Snap Bean Accessions Grown Under Organic Production System in La Trinidad, Benguet	April 2012	RB Dumayag, LL Tandang, AM Kimeu, BA Kebasen, BB Amlos and JG Bagtila
Establishment of Tomato Induced Mutants for Molecular Screening of Virus-Host Genome Sequences	April 2012	HF Galvez, AO Canama, RB Quillooy, LL Tandang, Bonifacio A. Kebasen, and Rosemarie Cortes
<b><i>Research and Educational Development Training Institute</i></b>		
Accessibility of Information at Benguet State University	April 2012	GD Quijano
Determining Factor in the Effective Administration and Teaching Practices in Early Childhood Education in Baguio City and La	April 2011-2012	PA Lubrica, ES Angiwan, , and Chul Woo Lee

ARTICLE/PAPER	DATE	AUTHOR/S
Trinidad, Benguet, Philippines		
School-Based Management Competencies Among School Heads in the Secondary Public School Systems in Benguet and Ifugao: An Assessment	April 2011-2012	PA Lubrica, MN Alvaro, EL Carino, JLS Montemayor, and MB Namuje
<b>JPAIR Multidisciplinary Journal ISSN 2244 0445</b>		
Teaching Practices Promoting Communication Opportunities in the Language Class	August 2012	SS Poliden
<b>Philippine 2012 Physics Journal</b>		
Apparatus to Demonstrate the Principle of Equivalence	2012	JV. Lubrica and Quantum Yuri B. Lubrica
<b>Asia Life Sciences: The Asian International Journal of Life Sciences (ISSN 0117-3375)</b>		
Evaluation of Height-diameter Models for Three Topical Plantation species in the Philippines	2012	RIC Lumbres, DE Cabral, MR Parao, Yeon Ok Seo, and Young Jin Lee
<b>Landscape and Ecological Engineering</b>		
Floral Diversity Assessment at Alno Communal Mixed Forest in Benguet, Philippines	2012	RIC Lumbres & KA Laruan
<b>Benguet State University Research Journal</b>		
Morphological Diversity Analysis of Rice Landraces in Benguet	January-June 2011	BA Tad-awan and EJD Sagalla
Perceptions on Global Climate Change at Benguet State University	January-June 2011	JLS Ramos and BO Bua-ay
Rasch Analysis of the NBC 461 Instrument for Faculty Evaluation	January-June 2011	MAB Lubrica and JV Lubrica
Secularization of the Sacred: Bendian through the Passage of Time	January-June 2011	FY Awas
<b>Journal of ISSAAS</b>		
Improving Potato Production through Sul-Po-Mag Supplementation and Promoting Potato Chips Processing	June 2012	ET Botangen, DK Simongo, F Rufino, and S Felix
Potato Pea-Sized Tubers for Tuber Seed Production on Farmers' Field	June 2012	CG Kiswa, PA Dalang and JC Perez
Introduction, Evaluation and Utilization of Chickpea ( <i>Cicer arietanum</i> L.) in the Northern Philippines	June 2012	FR Gonzales, IC Gonzales, PM Gaur, MG Mula and JE Eusebio
Reducing <i>Cercospora</i> Leaf Spot and <i>Fusarium</i> Crown and Root Rot of Strawberry Using <i>Trichoderma</i> and Soil Amendments	June 2012	AL. Nagpala and Lyneth Paleng
<b>Archives of Phytopathology and Plant Protection</b>		
Plant-Parasitic Nematodes Associated with Semi-Temperate Vegetables in the Highlands of Benguet Province, Philippines	2012	NB Pedroche, LM Villanueva and Dirk De Waele
<b>Book of Abstracts of the 8<sup>th</sup> PAPTCB Scientific Convention – Philippine Journal of Crop Science</b>		
In-Vitro Propagated Banana as Source of Planting Materials.	2012	MR Dumaslan and ST Gayao
Micropropagation Media for Ginger ( <i>Zingiber</i>	2012	CG Kiswa and JL Galian



ARTICLE/PAPER	DATE	AUTHOR/S
<i>officinale</i> Rosc.)		
Growth Performance of the In-Vitro Propagated Colored Calla Lily	2012	MR Dumaslan
<b>SunStar Newspaper</b>		
Climate Change Still Affects Benguet	2012	JP Kiaso, MA Camfili
Conversation in Ethnography	2012	JP Kiaso, MA Camfili
<b>978-971-006-063-4</b>		
Understanding Suicide in the Context of Cash Crop Farming	2012	RS Batani, SF Anongos, Jr., MD Gapasin, GC Taag, RD De Guzman, BC Listino, BC Sa-ao, TC Sagandoy
<b>2012 ISSAAS International Symposium and Congress "Pushing Agriculture To Achieve the Millennium Development Goals"</b>		
Promising Bacterial Isolates as Seedling Inoculant and Microbial Agents for Organic Vegetable Production	November 2012	AL Nagpala, E Agapito, M Pandosen and N Kias
<b>Organic Agriculture in the Philippines: A Training Manual (PCAARRD Training Module No. 4/2012)</b>		
Organic Arabica Coffee Production	2012	VL Macanes

Aside from the actual paper or articles published, one indicator to measure the quality of researches or the track record of researches being conducted is when a research paper is cited by other authors. For 2012, eighteen (18) research papers were cited by other researchers.

### **Copyright and Utility Model Registration**

There were 9 copyrights and 17 utility models newly registered this 2012 (Table 22). The former being books, journals, and instructional manuals; and the latter applied mostly by Cristine B. Esnara and Violeta B. Salda.

Table 22. List of copyrights and utility models registered

TITLE	AUTHOR	REGISTRATION #/ FILING DATE
<b>Copyrights</b>		
Civic Welfare Training Service (Instructional Manual-2012 Edition)	Constantino T. Sudaypan, Sr.	Reg. No. A-2012-1553 September 07
Cultivate a Garden and Take Care of It (Answering the Commonly Asked Questions by Farmers)	Silvestre L. Kudan	Reg. No. A2012-1557 September 07
Curriculum and Models for Alternative Learning System (NFE 210)	Divina M. Yango	Reg. No. A-2012-1554 September 07
Principles and Practices in Plant Breeding and Propagation and Nursery Management	Leoncia L. Tandang and Araceli G. Ladilad	Reg. No. A-2012-1556 September 07
Indigenous Knowledge on Cultural Management Practices Associated with Traditional Rice Varieties in	Belinda A. Tad-awan, Esther Josephine D. Sagalla and Meynardo P. Tosay	Reg. No. A-2012-1555 September 07

TITLE	AUTHOR	REGISTRATION #/ FILING DATE
Benguet		
MPSIT Research Journal	Serano L. Oryan	November
Enhancing Problem Solving with Improvised Instructional Device	Serano L. Oryan	November
Business Mathematics	Serano L. Oryan	November
Agriculture 110 Laboratory Exercises (Beneficial Arthropods and Microorganism)	Asuncion L. Nagpala	November
<b>Utility Models</b>		
<i>Trichoderma koningi</i> Strain KA as Biofertilizer and for Bioremediation	Asuncion L. Nagpala	App. No.: 22012000111 March
Composition of Making Fettuccine Pasta Enriched with Vegetable	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000114 March
Composition of Making Udon Noodles Enriched with Vegetable	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000115 March 1
Composition of Making Bread "Pandesal" Enriched with Vegetable	Cristine B. Esnara, Violeta B. Salda, Jeffrey J. Bayating	App. No.: 22012000121 March 1
Composition of Making Muffins Enriched with Vegetable	Cristine B. Esnara, Violeta B. Salda, Jeffrey J. Bayating, Marelou B. Bawas	App. No.: 22012000120 March 1
Composition of Quick Melt Cookies Enriched with Vegetable	Violeta B. Salda, Cristine B. Esnara	App. No.: 22012000118 March 1
Composition of Making Rice Noodles Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000117 March 1
Composition of Cookies Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000116 March 1
Composition of Making Loaf Bread Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda, Jeffrey J. Bayating	App. No.: 22012000113 March 1
Composition of Making Siomai Wrapper Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000119 March 1
Process of Making Fettuccine Pasta Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000107 March 1
Process of Making Udon Noodles Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda, Estela B. Anniban	App. No.: 22012000110 March 1
Process of Making Bread "Pandesal" Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda, Jeffrey J. Bayating	App. No.: 22012000109 March 1
A Process of Producing Muffins Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda, Jeffrey J. Bayating, Marelou B. Bawas	App. No.: 22012000112 March 1
The Process of Making Quick Melt Cookies Enriched with Vegetable	Violeta B. Salda, Cristine B. Esnara	App. No.: 22012000105 March 1
Process of Making Rice Noodles Enriched with Vegetable	Cristine B. Esnara, Violeta B. Salda	App. No.: 2212000106 March 1
A Process of Producing Cookies Enriched with Vegetables	Cristine B. Esnara, Violeta B. Salda	App. No.: 22012000108 March 1

### Papers Presented

A total of 149 papers were presented by BSU Researchers in various symposia, conventions, and conferences. Majority are presented locally, specifically during the Agency In-House Review. The distribution of papers presented is shown in the Figure 10 below:

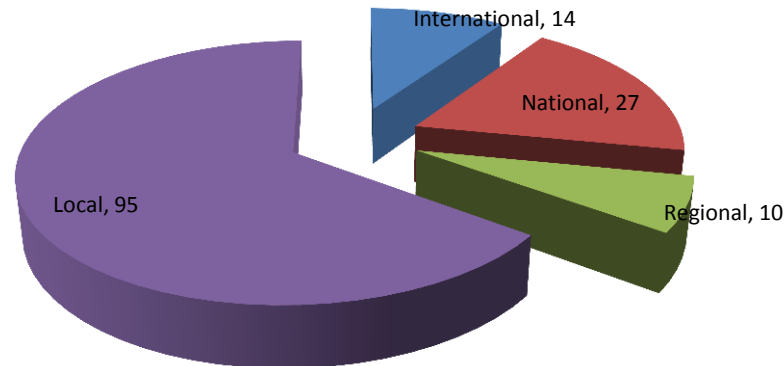


Figure 10. Distribution of papers presented in various symposia, conventions, and conferences

The papers presented in international fora are as follows:

- “Work and Well Being of Women and their Households in an Agricultural Setting in the Context of Climate Change” by Ruth S. Batani during the *Post 2015 Round Table Meeting Framework for Development: Growth, Structural Change and Employment* - Tokyo, Japan, May 14-17
- “Higher Order Thinking Skills and Academic Performance in Physics of College Students: A Regression Analysis” by JS Ramos during the *International Conference Innovative Research in a Changing and Challenging World* - Phuket, Thailand, May 16-18
- “Potato Germplasm Evaluation and Breeding for Pest and Physiological Stress Resistance (Highland Sub Tropics)” by C Kiswa, JC Perez during the *Terminal Project Meeting of the Potato Breeders Network for Southeast Asia and Global Trial Data Management System Workshop* - Lembang, Bandung, Indonesia, June 24 – July 1
- “Teaching Practices Promoting Communication Opportunities in the Language Class” by Samuel S. Poliden during the *World Research Festival* - Marco Polo Plaza, Cebu City, August 22-25
- “Study and transition of the bachelor graduates of the Benguet State University of the Philippines” by DS Garin and SZ Beligan during the *International Conference on Experience with Link and Match in Higher Education: Result of Tracer Studies Worldwide (EXLIMA) and Workshop and Training on "Indonesia National Tracer Study Network" (INDOTRACE)* - Bali, Indonesia, October 22-25
- “Arabica Coffee Production Under Pine Forest: An Agroforestry Technology for Watershed conservation and People’s Livelihood in The CAR Uplands” by Valentino L. Macanes during the *International Conference on Climate Smart Knowledge Management for the Uplands* - Bicol University, Legazpi City, Albay, November 6-9

- “Response of Cucumber to Mokusaku Fertigation Under Greenhouse” by Percival B. Alipit during the *Seminar on Charcoal/Mokusaku Technology* - Tokyo, Japan, November 13
- “Promotion of NSIC Approved Sweet Potato Varieties in CAR Region” by IC Gonzales & DK Simongo during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Germplasm Collection, Conservation of Taro in CAR” by DK Simongo & LM Pacuz during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Promotion of Chickpea/Gabanzos in the Philippine Cordillera Region” by IC Gonzales et al during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Techno Transfer in Selected Ubi and Ginger Processing Technologies to Support OTOP Program of Sugpon, Ilocos Sur, Philippines” by ET Botangen during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Promising Bacterial Isolates as Seedling Inoculant and Microbial Agents for Organic Vegetable Production” by AL Nagpala, E Agapito, M Pandosen & N Kias during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Nitrogen Mineralization in Decomposing Organic Matter and its Effects on the Growth and Yield of Lettuce (*Lactuca sativa*)” (Poster) by E Bugtong, TM Merestela and MM Marquez during the *2012 ISSAAS International Symposium and Conference* - Bicol University, Legazpi City, Albay November 13-16
- “Nutrient Management for Selected Highland Crops” by CP Laurean, MM Marquez, EK Mamaril and AW Fagyan during the *International Workshop on Soil Information System-Oriented Nutrient Management for Major Asian Crops* - Philippine Carabao Center, Munoz, Nueva Ecija, November 19-23

### ***Trainings/Seminars/Workshops Attended***

As part of their professional development, research personnel and staff attended a total of 128 trainings, workshops, and seminars all year round (Figure 11).

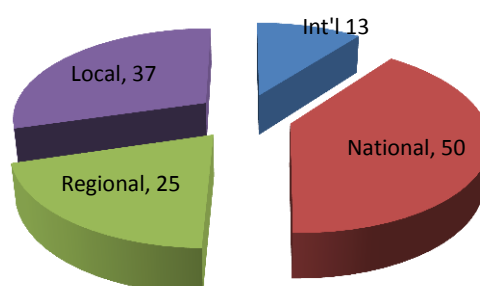


Figure 11. Distribution trainings/seminars attended by researchers

## Extension Services

### *Trainings/Seminars/Workshops Conducted*

Three (3) RDE Seminar Series were conducted with the following topics: a) RA 10068: Organic Agriculture Act of 2010 and Philippine National Standard on Organic Agriculture, b) Writing Scientific Papers for Peer Reviewed Academic Journals, and c) Understanding Suicide in the Context of Cash Crop Farming. Two (2) batches were also able to finish the Certificate in Practical and Organic Agriculture (CPOA).

Sixty- three (63) other trainings/seminars/workshops were conducted during the year which focused on organic agriculture, food processing, coffee production, regional autonomy, etc. (Figure 12).

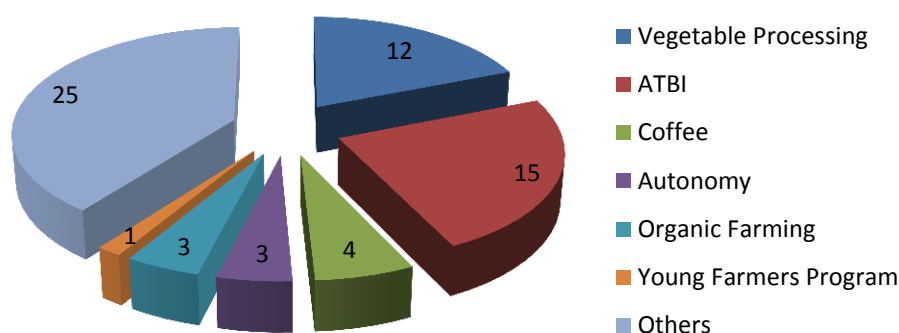


Figure 12. Seminars/Trainings/Workshops Conducted by Subject Matter

Table 23. Extension/Training activities conducted (Bokod Campus)

PROGRAM	BENEFICIARY (# & TYPE)	LOCATION	DURATION	DEPARTMENT	PROGRAM LEADER
Culinary Arts	168 Elem teachers	TSHI, Tublay	7 days	Secondary	Lorna Lino
Culinary Arts	110 Sec teachers		3 days	Secondary	Lorna Lino
Baking	19 Young Mothers	Ambangeg, Bokod	12 days	secondary	Lorna Lino
One Town-One Product Training	50 Young Mothers	Penged, Bokod	7 days	secondary	Williana Bato
Paper Crafts Making	100 OSY and Mothers	Cobabeng, Bokod	3 Days	secondary	Lorna Lino
Recycling of Cloth	60 Mothers	Poblacion, Bokod	2 days	secondary	Lorna Lino
Community Needs Assessment and Literacy Program	100 OSY and POs	Nawal, Bokod	2 Days	College	Chester Esnara

At the Buguias Campus, services extended to the Community were in the form of information dissemination and hands-on knowledge-sharing in agriculture as shown below.

Table 24. Extension services (Buguias Campus)

TITLE	BENEFICIARIES	SPONSOR	DATE/VENUE	NO. OF TRAINEES	RESOURCE PERSONS
Basic Beekeeping Seminar-Workshop	Local beekeepers	BSU-BC	Sept 25-27 BSU-BC	25	
Queen Bee Rearing Training	Local beekeepers	BSU-BC	Nov 2012 – Ongoing BSU-BC	3	
Swine Production and Management	Young farmers and entrepreneurs	YFP-NAFC	Aug 27-29 BSU-BC	2	Segundo, Dick
Apiculture Enterprise Management	Young farmers and entrepreneurs	YFP-NAFC	Aug 27-29 BSU-BC	3	Abyado, Julius

**Research Personnel as Resource Persons/Lecturer/Evaluator**

Research and extension personnel served as resource speaker, lecturer, and evaluator in 49 writeshops/trainings/seminars and outreach activities. Participants include LGU’s, NGO’s, school organizations, farmers, households, processors, and others.

The topics discussed and disseminated are about root crops, organic agriculture, cutflower production, greenhouse production, vegetable processing and coffee. The popularity of the topics is summarized in Figure 13.

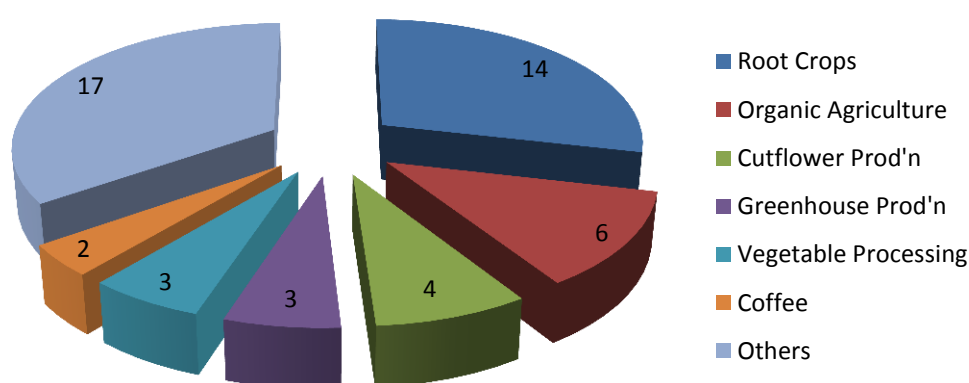


Figure 13. Classification of topics discussed by research personnel

**IEC Materials Produce/Disseminated**

Different types of Information and Education Campaign (IEC) materials such as manual, brochures/flyers, and handouts were printed this year. All in all, 22 IEC materials were produced by the sector (Table 25).

Table 25. List of IEC materials produced and disseminated

TITLE	PERSON INVOLVED/ AUTHOR
<b>Manual</b>	
Coffee Production Manual	VL Macanes
<b>Handout, Brochures, PowerPoint Presentation</b>	
Arabica Coffee Production Technologies	VL Macanes
Documentation of Arabica Coffee Growing Areas, production, and Conservation of Arabica Coffee in Benguet	BA Tad-awan, VL Macanes, VY Amado, JD Doco
Organic Arabica Coffee Production	VL Macanes
Arabica Coffee Seed Propagation and Nursery Management	VL Macanes
Arabica Coffee Production Under Agroforestry Systems in the Cordilleras	VL Macanes
Quality Standards for Harvesting and Postharvest Processing of Arabica Coffee for Quality Green Beans	VL Macanes
Advancing the Arabica Coffee Industry in the Cordillera Administrative Region (CAR)	VL Macanes
Arabica Coffee Nursery Pests and Diseases	AA Basalong
Soil and Fertilizer Management for Arabica Coffee Production	MM Marquez
Compendium of Traditional Arabica Coffee Cultivars in Benguet	BA Tad-awan, VL Macanes, VY Amado, JD Doco
<b>Brochure/Flyer</b>	
Benguet Vegetable Processing Center and Products	VB Salda, CB Esnara
Turmeric ( <i>Curcuma longa</i> sp.) and its Benefits	CB Esnara
<i>Moringa oleifera</i> and its Benefits	CB Esnara
Veggie Enriched Food Products	VB Salda, CB Esnara
Veggie Enriched Noodle Processing and Cooking Preparation	VB Salda, CB Esnara
Veggie Enriched Baked Products	VB Salda, CB Esnara
Veggie Powders and Dehydrates	VB Salda, CB Esnara
Info on BVPC Products and Prices	VB Salda, CB Esnara, MB Bawas
Turmeric ( <i>Curcuma longa</i> ) Benefits	VB Salda, CB Esnara, MB Bawas
<i>Moringa oleifera</i> : Its Importance and Benefits to Health (50)	VB Salda, CB Esnara, MB Bawas
PANSIG'DAN: Promoting Well-Being in an Agricultural Community in Northern Luzon	ISRD, ResearchMate, Social Science Department

## Awards

A total of 37 RDE awards were reaped by faculty-researchers and research personnel from national, regional, and local award-giving bodies. Of these, 25 were awards during the Agency In-House Review. Two special awards were also given by the university. Awards given by other

agencies/organizations are presented in Table 26. The accolades are a testament to the commitment and excellence BSU researchers display in their line of work.

Table 26. Awards received by faculty researchers and staff

AWARDEE	AWARD	AWARDER	DATE
<b>Individual Recognitions</b>			
LM Villanueva	Distinguished Alumna Award for Research Management and Crop Protection Research	UPLB	October
JS. Luis	GO Ocfemia Outstanding Plant Pathologist Award in Research	Philippine Phytopathological Society Inc. - (PMCP)	October
LM Colting	Plaque of Recognition for bringing the name BSU to the National Level (Re: Agritourism, a component of the BSU Strawberry R & D that won the national award on the CHED Search for Best R & D)	CHED	June 29
<b>R &amp; D Program Recognitions</b>			
JA Solimen, ST Gayao, MB Dumaslan, GW Calabis, and L Ollayan	National finalist to the Civil Service Commission (CSC) PAGASA award (BSU tissue-cultured strawberry runners)	Civil Service Commission (CSC)	July
<b>Paper/Poster Presentations</b>			
ML Dumaslan JA Solimen JRM Kilakil	3 <sup>rd</sup> Best Poster Award “Growth Performance of the In Vitro Propagation of Colored Calla Lily”	PAPTCB Scientific Convention	April 28
FG Calora, Jr., MR Parao, JJF Malamug, RS Batani, MD Gapasin	Best Scientific Poster “Strengthening Philippine Institutional Capacity to Adapt to Climate Change: The Case of Benguet”	National Academy of Science and Technology 1st National Conference on Climate Change	
IC Gonzales	Award: Package of Technology for Chickpea ( <i>Cicer arietanum</i> L.) in CAR	National Research Symposium	
DP Padua & CS Ligat	1st Place (Best Paper Award) Strawberry Variety Development Program: The Pioneering Effort in the Philippines 20 <sup>th</sup> National Fruit Symposium	Philippine Fruit Association, Inc.	
JLS Ramos BB Dolipas BB Villamor Pacio, Rochelle D.	Innovative Research in Education/ Science  Innovative Research in	Australian Multicultural Interaction Institute	May 16-18 Phuket, Thailand



AWARDEE	AWARD	AWARDER	DATE
	Educational Technology		
SS Poliden	Best in Powerpoint Presentation Best Oral Research Presenter World's Best JPAIR Journal Publication "Teaching Practices Promoting Communication Opportunities in the Language Class"	World Research Festival	
JP Pablo, Janet P.	2 <sup>nd</sup> Best Paper Award	HARRDEC	November 28
MLD Fang-asan, FY Awas, CGB Sidchogan.	Best paper Award (Social Research Category)	HARRDEC & CIERDEC 22 <sup>nd</sup> R & D Symposium	November 28

## Linkages

The successful implementation of the University's RDE programs has been greatly enhanced through institutional linkages. This year, BSU maintained 29 institutional partners for the projects/undertakings. Seventeen (18) linkages were formed for the conduct of R & E Programs/Project, five (5) to provide technical advisers or resource speakers, three (3) on suicide prevention or pesticide watch, two (2) for the implementation of marketing programs, and one (1) on the conduct of a symposium. These associative relations between the parties brought about congruence in pursuing common goals and directions.

## Incidental Income from R & E Activities

Income of 1,332, 531.57 from different R & E activities are presented in Table 27.

Table 27. Incidental income from R & E activities

R&D Unit	Amount (PHP)
Agroforestry Project	
January	49,991.25
February	8,775.00
March	127,930.00
April	56,325.00
May	30,400.00
June	2,650.00
July	5,200.00
August	880.00
September	102,793.00
October	13,500.00
November	1,750.00
December	3,710.00
<b>Subtotal</b>	<b>403,904.25</b>
Biodiversity Project	
January	13,820.00
March	4,380.00

R&D Unit	Amount (PHP)
April	16,650.00
May	8,290.00
September	17,060.00
October	1,470.00
November	900.00
December	17,060.00
<b>Subtotal</b>	<b>79,630.00</b>
BVPC	
August	201,270.06
Sept. 11, 2012	23,893.90
Sept. 24, 2012	5,881.05
	155,626.15
	265,872.16
November	55,470.00
<b>Subtotal</b>	<b>708,013.32</b>
STF-OADC Training	10,664.00
	14,215.00
<b>Subtotal</b>	<b>24,879.00</b>
ATBI/IC - September 19, 2012	2,365.00
911 Extension Services Projects	19,195.00
Trainings	44,000.00
<b>Subtotal</b>	<b>63,195.00</b>
Demo farms/Planting Materials (OES)	50,545.00
<b>Total</b>	<b>1,332,531.57</b>

## ADMINISTRATION AND GOVERNANCE

### The Board of Regents

The Board of Regents (BOR) had four (4) meetings in 2012 and acted on 78 resolutions. The schedule of BOR meetings and the number of board resolutions are presented in Table 28. Significant Board Resolutions are presented in Annex 1.

Table 28. Schedule of BOR meetings and number of board resolutions

BOR MEETING	SCHEDULE OF MEETINGS	NO. OF BOARD RESOLUTIONS
157th Regular Board of Regents Meeting	CHED Conference Hall, HEDC Bldg., CP Garcia Avenue, UP Diliman, Quezon City March 30, 2012; 8:30 AM	26
158th Regular Board of Regents Meeting	CHED-CAR Conference Room, Km. 6 La Trinidad, Benguet, May 29, 2012; 5-7PM	21
159 <sup>th</sup> Regular Board of Regents Meeting	CHED Conference Hall, HEDC Bldg., CP Garcia Avenue, UP Diliman, Quezon City October 1, 2012; 12:00-2:00 PM	21
160 <sup>th</sup> Regular Board of Regents Meeting	CHED Conference Hall, HEDC Bldg., CP Garcia Avenue, UP Diliman, Quezon City	10

BOR MEETING	SCHEDULE OF MEETINGS	NO. OF BOARD RESOLUTIONS
	December 13, 2012; 8:00-10:00 AM	
	TOTAL	78

**Changes in the Governing Board**

The appointments of the Private Sector Representatives Ms. Christine D. Abellon and Dr. Alumno Ampaguey were renewed for their second term from March 30, 2012 to April 30, 2014. Commissioner Nona S. Ricafort administered the oath of office.

Dr. Dominador S. Garin, President Faculty Club Federation and Dr. Silardo B. Bested, Representative of Hon. Edgardo Angara, Chair Senate Committee on Education, Culture and Arts took their oath during the 160<sup>th</sup> Regular Board of Regents Meeting at CHED Conference Hall, HEDC Bldg., CP. Garcia Avenue, UP Diliman on December 13, 2012. Commissioner Maria Cynthia Rose B. Bautista.



Plate 2. Oathtaking of Ms. Christine D. Abellon and Dr. Alumno Ampaguey administered by Commissioner Nona S. Ricafort (left); Dr. Dominador S. Garin (top right) and Dr. Silardo B. Bested (top left) administered by Commissioner Maria Cynthia Rose B. Bautista

**Strategic Planning**

A series of workshops facilitated by the Planning and Development Office have been conducted to prepare the University’s Strategic Plan for 2013-2022. The following activities were done by the different sectors during the workshops:

- Review and crafting of new VMGO
- Review of the BSU Core Values
- Review and Finalization of the proposed BSU Organizational Chart
- Preparation of Strategic Plans
- Presentation and critiquing of Strategic Plans
- Revision of Strategic Plans



Plate3. Strategic planning activities

## Faculty and Staff Development

### *In-Service Trainings*

The Office for Professional Development and Psychological Services (OPDPS) organized and conducted eleven (11) seminars and trainings within the year (Table 29).

Table 29. In-service Trainings conducted by the Office for Professional Development and Psychological Services

TITLE	DATE/ VENUE	PARTICIPANT	RESOURCE SPEAKER
Faculty and Staff In-House Seminar: Renewed Commitment and Dedication in the New Administration	January 13, 2012, BSU Gym	420	Dr. Cipriano C. Consolacion Dr. Modesta Bastian
Multidisciplinary Discourse Session II	January 14, 2012, CTE Function Hall	369	Dr. Grace T. Bengwayan, Prof. Jao Jao D. Somyden, Prof Janet Lynn S. Montemayor Dr. Divina M. Yango, Dr. Desiree F. Botengan, Prof. Evelyn S. Angiwan, Dr. Percyveranda A. Lubrica
Gender Sensitivity and Ergonomics for the 21st Century: Safety and Health Topics for the Working Men and Women	March 14, 16 & 29, 2012, BSU Anthurium Hall	223	Dir. Fernando M. Porio Dr. Charles L. Cheng Dr. Ana Claire Prof. Harland Gary B. Pawid
In - House Training/Seminar on Teaching Effectiveness	June 7 & 8, 2012, CTE Function Hall	45	Ptr. Hakcholna, Dr. Lubrica, Dr. Botengan,

TITLE		DATE/ VENUE	PARTICIPANT	RESOURCE SPEAKER
				Prof. Montemayor, Dr. Parcasio, Ms. Balang, Dr. Sibayan
Orientation for New Entrants		June 9, 2012, BSU Adcor	33	Atty. Basco, Ms. Ocasen-Buasen, Ms. Escallera
Month-long 112 <sup>th</sup> CSC Anniversary Celebration	GSIS Hour	Sept. 10, 2012, BSU Gym	253	Jeelady B. Isaac Antonio A. Palicas Alilee B. Bautista
	Philhealth Hour (JO & CoC Personnel)	Sept. 12, 2012, CTE Function Hall	180	Janet Palaez
	Philhealth Hour (Regular Employee)	Sept. 17, 2012, CTE Function Hall	230	Janet Palaez
	PAG-IBIG Hour	Sept. 19, 2012, CTE Function Hall	196	Joy Ann F. Gaza Cristabel B. Asiong
BSU Citizen's Charter Orientation & Workshop		Sept. 20-21, 2012, CTE Function Hall & AdCoR	50	Atty. Allyson M. Locano
Working Efficiently in the Janitorial Services		Octobre 19, 2012, CAS Little Theater	38	Liezle Toma-ag Mr. Diego D. Bulangen Mr. Peter P. Danglay Ms. Leila Mary Ayban Mr. Pedro T. Picpican

## Upgrading of Physical Facilities

Table 30. Infrastructure projects

PROJECT	LOCATION	MODE	IMPLEMENTATION DATE	AMOUNT (PHP)
Repair of the Institute of Highland Farming Systems and Agroforestry	Talingoroy, Long-long, Puguis, La Trinidad	Contract	June to August 2012	610,557.80
Repair of the Pomology Building	Balili, La Trinidad	Contract	August to October 2012	300,000.00
Repair of University Business Affairs Office	Km 6., La Trinidad	Contract	October to present	1,106,430.00
Construction of the Floriculture Laboratory	Cabanao, Balili, La Trinidad	Contract	October to present	1,084,482.00
Construction of the	Strawberry	Contract	October to present	5,210,551.00

PROJECT	LOCATION	MODE	IMPLEMENTATION DATE	AMOUNT (PHP)
ATBI/FTC Building	Field, Km 6, La Trinidad			
<b>TOTAL</b>				8,312,020.80



Plate 4. Repair of the Institute of Highland Farming Systems and Agroforestry

Plate 5. Repair of the Pomology Building



Plate 6. Repair of University Business Affairs Office

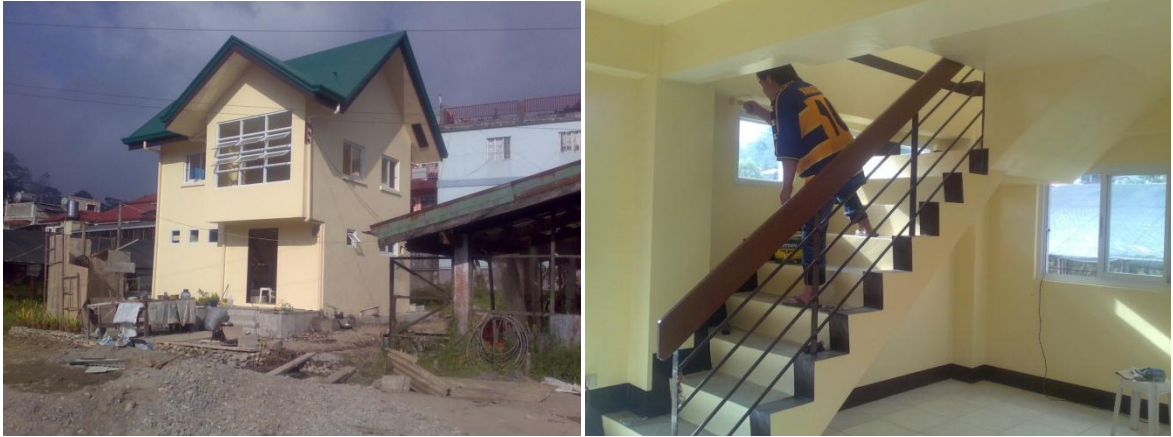


Plate 7. Construction of the Floriculture Laboratory



The

Buguias Campus had the Plate 8. Construction of the ATBI/FTC Building

- **Student Center.** The student center measuring 40 x 24 was funded partly by the secondary laboratory student development fund of Php500,000.00. The labor cost of Php 36,000.00 was a counterpart of the parents.
- **Apiculture Training Center.** The old teacher's cottage was renovated for showcasing the apiculture project. The on-going renovations include painting, sink, and the water system. Expenses incurred are initially charged to MOOE while waiting for the funds given by NARTDI that is coursed through the Regional Satellite Office under Prof. Bonie S. Ligat.
- **Compost cubicle.** The cubicle costing Php40,000.0 will be used for composting biodegradable substances.

## Financial Resources

### BALANCE SHEET

As of December 31, 2012

<b>ASSETS</b>	
<b>Current Assets</b>	
<i>Cash</i>	
Cash on Hand	13,366,336.15
Cash in Banks – Local Currency	169,360,671.16
Cash in Banks – Foreign Currency	502,269.90
<b>Total Cash</b>	<b>183,229,276.21</b>
<i>Receivables</i>	
Receivable Accounts	39,198,055.12
Inter-Agency Receivables	289,034.94
Intra-Agency Receivables	22,490,102.47
Other Receivables	33,577,363.03
<b>Total Receivables</b>	<b>95,554,555.56</b>
<i>Inventories</i>	
Materials	1,857,786.70
Supplies	47,365,196.62
Agricultural, Fishery and Forestry Products	1,359,420.00
<b>Total Inventories</b>	<b>50,582,403.32</b>
<i>Prepayments</i>	
	<b>265,764.74</b>
<b>Total Current Assets</b>	<b>329,631,999.83</b>
<b>Property, Plant, and Equipment</b>	
Land and Improvements	5,868,724,837.10
Buildings	132,890,013.79
Office Equipment, Furniture and Fixtures	58,124,629.00
Machineries and Equipment	32,607,453.50
Transportation Equipment	6,784,873.92
Other Property, Plant and Equipment	11,500,117.09
Public Infrastructures	68,028.00
Construction in Progress	1,619,327.67
<b>Total Property, Plant, and Equipment</b>	<b>6,112,319,279.97</b>
<b>Other Assets</b>	<b>47,984,492.24</b>
<b>TOTAL ASSETS</b>	<b>6,849,935,772.04</b>

<b>LIABILITIES AND GOVERNMENT EQUITY</b>	
<b>Liabilities</b>	
<i>Current Liabilities</i>	
Payable Accounts	12,699,876.07
Inter-Agency Payables	48,540,825.79
Intra-Agency Payables	17,535,832.97
Other Liability Accounts	10,560,382.05
<b>Total Current Liabilities</b>	<b>89,324,916.88</b>



<b>Deferred Credits</b>	<b>20,323,192.37</b>
<b>Total Liabilities</b>	<b>109,648,109.25</b>
<b>Equity</b>	
<b>Government Equity</b>	<b>6,380,287,662.79</b>
<b>Total Equity</b>	<b>6,380,287,662.79</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>6,489,935,772.04</b>

**STATEMENT OF INCOME AND EXPENSES**

For the period ending December 31, 2012

<b>INCOME</b>	
<b>General Income Accounts</b>	
Subsidy Income	335,062,905.92
Service Income	54,030,225.43
Business Income	69,050,524.98
Other Income	4,686,684.45
<b>Total General Income</b>	<b>462,830,370.78</b>
<b>Gain/Loss Accounts</b>	<b>(31,204.69)</b>
<b>GROSS INCOME</b>	<b>462,799,166.09</b>
<b>EXPENSES</b>	
<b>Personnel Services</b>	
Salaries and Wages	219,222,311.57
Other Compensation	65,126,312.59
Personnel Benefits Contributions	27,187,193.40
Other Personnel Benefits	33,185,190.24
<b>Total Expenses for Personnel Benefits</b>	<b>344,721,007.80</b>
<b>Maintenance and Other Operating Expenses</b>	
Travelling Expenses	5,921,584.33
Training and Scholarship Expenses	3,771,588.59
Supplies and Material Expenses	31,787,792.37
Utility Expenses	8,326,785.82
Communication Expenses	2,597,954.12
Membership Dues and Contributions to Organizations	246,127.39
Advertising Expenses	158,676.50
Printing and Binding Expenses	1,320,154.10
Rent Expenses	346,430.00

Transportation and Delivery Expenses	192,091.00
Subscription Expenses	22,112.00
Professional Services	9,003,215.89
Repair and Maintenance	2,968,396.20
Subsidies and Donations	221,814.00
Taxes, Insurance Premiums and Other Fees	875,126.99
Non-Cash Expenses	16,137,673.40
Other Maintenance and Other Operating Expenses	10,928,977.22
<b>Total Maintenance and Other Operating Expenses</b>	<b>94,826,499.92</b>
<b>Financial Expenses</b>	<b>23,450.00</b>
<b>TOTAL OPERATING EXPENSES</b>	<b>439,570,957.72</b>
<b>NET INCOME (LOSS)</b>	<b>23,228,208.37</b>

## Information and Communication Technology Initiatives

The technical services of the ICTO performed a total of 3,349 instances of technical support which is summarized as follows: hardware – 671, software – 1709, network – 481, others - 488. Activities pertain to troubleshooting and repair of ICT equipment or desktop, support in hardware and software, networking support such as cabling, network configurations/installations, and other ICT related activities such as setup of equipment, delivery/pullout, maintenance, and assistance in university activities (Figure 14).

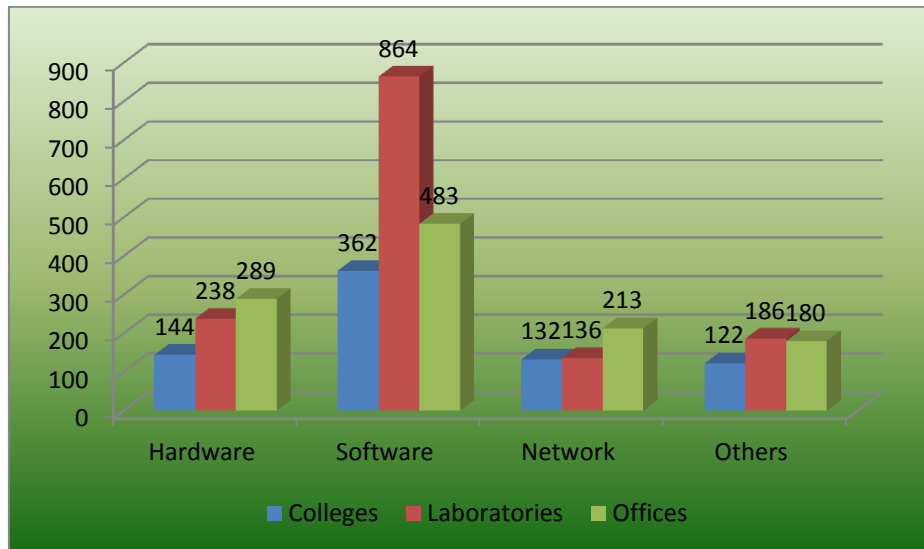


Figure 14. Technical services performed by the ICTO

The “Close the Gap Project”, an extension service of the university in partnership with Vlaamse Interuniversitaire Raad (VLIR) approved in 2011 was implemented during the year. A total of 219 complete set of computer units, 5 laser jet printers and 3 notebook computers were received by the university. A portion of it was donated to Tinoc National High School (TNHS), Tinoc Ifugao as part of the project. The university through the ICT Division visited TNHS and trained 17 teachers, 13 students and some parents to empower the school on ICT for education. One hundred thirty (130) computer units, a printer and a net book remained at the university and were deployed at the CAS.

The ICTO also conducted trainings on various topics and these were sponsored mostly by the Civil Service Commission Regional Office, eBlackboards, and the university (Table 31).

Table 31. Trainings conducted by the ICTO

TITLE	DATE	PARTICIPANT (#)	SPONSOR	LECTURER
Audio Visual Development Training	July 10-12	35	CSC Regional Office - Baguio City	ICT Staff
Personal Computer troubleshooting and repair with basic networking.	July 31, August 2	37	CSC Regional Office - Baguio City	ICT Staff
Photo Editing and Desktop Publishing	April 24-26	24	CSC Regional Office - Baguio City	ICT Staff
CSC PC Troubleshooting	Aug. 28-30	20	CSC Regional Office - Baguio City	ICT Staff
Personal Computer troubleshooting and repair with basic networking.	March 27-29	13	CSC Regional Office - Baguio City	ICT Staff
Basic Computer Skills (Intro to IT & Windows)	May 22-24	25	CSC Regional Office - Baguio City	ICT Staff
Photoshop and In Design	October 9-11	37	CSC Regional Office - Baguio City	ICT Staff
Philippine eGovernment Procurement System (PhilGEPS)	December 11-12	40	eBlackBoards	Outsourced by sponsor
Philippine eGovernment Procurement System (PhilGEPS)	June 14-15	40	eBlackBoards	Outsourced by sponsor
Philippine eGovernment Procurement System (PhilGEPS)	July 26-27	35	eBlackBoards	Outsourced by sponsor
Philippine eGovernment Procurement System (PhilGEPS)	July 19-20	35	eBlackBoards	Outsourced by sponsor
Free and Open Source Software (FOSS) – Open Office Productivity Application (Calc, Writer, Impress, Photoshop), Introduction to ICT, Ubuntu Operating System with File Management	Oct. 22-26	30	BSU/Tinoc National High School	ICT Staff
Basic Video Camcorder Handling	Nov 30	25	BSU – ICT Division	ICT Staff
Video Editing using Sony Vegas	Dec 6, 13	25	BSU – ICT Division	ICT Staff
Audio-Visual Production	Sept. 8	30	CTE/ICT Division	ICT Staff
Website Creation using Weebly	Sept. 21	4	ICT Division	

## Geographic Information System Laboratory

The GIS Laboratory personnel have conducted various activities during the year. The completed projects are: a) updating (through Google Map, 2010) of the Satellite Image of BSU Reservation; b) mapping and satellite image mosaic of BSU Buguias Campus, and c) mapping of Soil Analysis results for university researches.

Other ongoing projects are:

- Digitization of the general land use for BSU main campus
- Digitization of the detailed land use for BSU main campus
- Map validation and GPS data collection of Land Use as assisted by the Land Reservation Office (LRO)
- Development of teaching module on QGIS (open source GIS)
- Evaluating the possibility of a joint course with the University of the Cordilleras on Open Source GIS

## Legal Office

The Legal Office handled twenty-eight (28) cases in 2012. Six (6) of which were court cases, sixteen (16) administrative cases, and six (6) other cases (Figure 15).

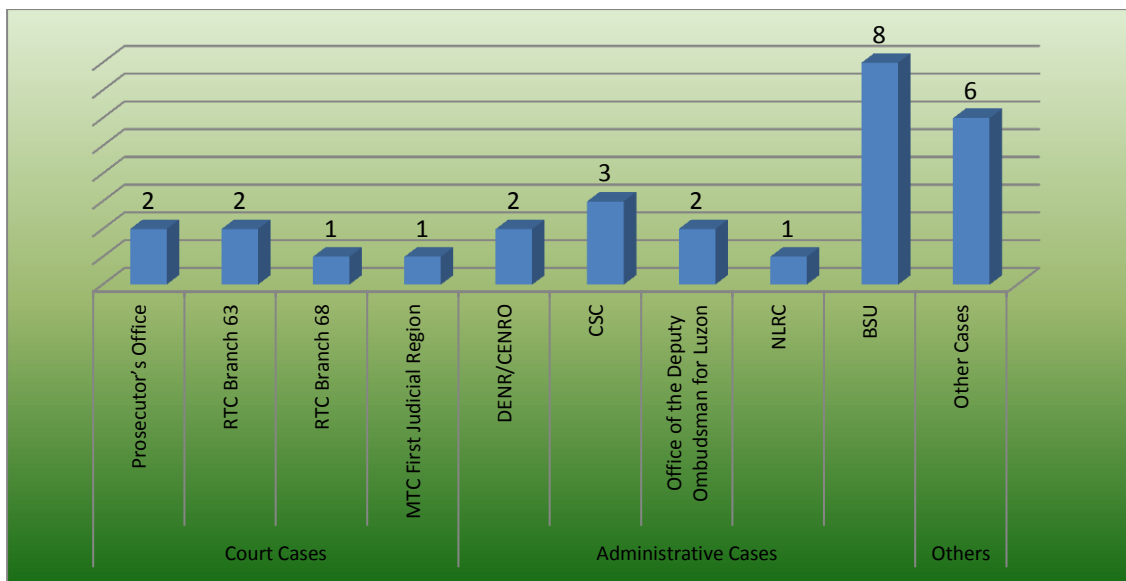


Figure 15. Cases handled by the Legal Office

In addition to handling cases, the Legal Office prepared a total 821 legal documents during the year which includes 536 agreements/understandings, 2 Contract of Leases, 99 Contract of Services, 46 undertakings, 130 Temporary Permits, and 9 waivers.

## Gender and Development

Various trainings, seminars, and forum were conducted during the women's month and though out the year (Table 32).

Table 32. Trainings conducted by the Gender and Development team

TITLE	DATE AND VENUE	PARTICIPANT (#)
Gender Sensitivity and Ergonomics for the 21 <sup>st</sup> Century: Safety and Healthy Topics for the Working Men and Women	March 14, 16 and 28, 2012	611 (Main) 43 (Bokod Campus) 65 (Buguias Campus)
Trainers/Speakers' Training on the conduct of a Gender Sensitivity Training, Magna Carta of Women, Anti-Sexual Harassment, Violence Against Women, and other Laws Protecting Women and on Handling Cases (Three Sessions)	October 18-19, 2012 October 22-23, 2012 October 25-26, 2012	GAD Representative/ GAD Committee of BSU Main Campus, Bokod Campus, and Buguias Campus
Gender Sensitivity Training and Orientation on Magna Carta of Women and Anti Sexual Harassment Orientation		BSU Faculty Members & 95% Student Leaders and interested students
Orientation on Gender and Development Concerns		95% new college students & transferees
2nd Young Men's and Young Women's Camp on Gender Issues Sexuality and Prostitution	BSU Training Camp, Bektey	50
Orientation on RA 10028, Seminar on the Importance, Benefits, Management and Practices in Breastfeeding and Risk of Artificial Feeding		98% students participated in the orientation

Two ongoing GAD Researches were conducted during the year:

- "BSU Employee Achievements: A Documentation" by Dr. Imelda G. Parcasion and Ms. Rowena Agang-ang
- "Knowledge on and Prevalence of Breastfeeding Among Nursing Mothers in Selected Offices in Baguio City and La Trinidad" by Prof. Imelda O. Degay

## Special Projects

### *BSU Eco-Waste Management Program*

The BSU Eco-Waste Management Team has conducted Information and Education Campaigns (IECs) on proper waste management to CAS students, Graduate students, NSTP students and to BSU undergraduate students during the orientation programs at the start of the semester. Signages on proper waste segregation for university campus waste bins were installed with the help of the CAS -Young Environmentalists Society.

The university served as the secretariat of the Balili River System Revitalization Coalition (BRSRC) of La Trinidad and Baguio City. The university participated in the following activities:

- 2<sup>nd</sup> Balili River Day celebration on September 16, 2012
- Environmental Seminar Series on July 14 and 21, 2012 at the College of Arts and Sciences Little Theater, BSU (Stream Assessment and Water Quality Sampling)

- Launching of the Balili River as a Water Quality Management Area (WQMA) on August 30, 2012 at the Baguio Supreme Hotel
- Balili River Fun Run on December 15, 2012

The university also participated in the Adopt-an-Estero Program of the Municipality of La Trinidad and EMB-DENR through the CAS-Student Government.

### **Higher Education Regional Research Center (HERRC)**

The Commission on Higher Education (CHED) through its Res. No. 316-2011 has approved and decided to adopt a differentiated and joint approach to research promotion. This was done in order to enhance the research capacity and productivity of Philippine higher education institutions which would in turn contribute towards advancing the country's development and global competitiveness. Through the said resolution the Zonal Research Centers were transformed and divided into two groups: one group of *national* research centers clustered into a Philippine Higher Education Research Network (PherNet), and another group of regional centers to be called Higher Education Regional Research Centers (HERRC).

Benguet State University (BSU) through the Commission en banc (CEB) was identified as one of the Higher Education Regional Research Center and leading SUC for Cordillera Administrative Region (CEB Resolution No. 010 series of 2012). Accompanying this recognition is CHED's commitment for support in research funding in tandem with BSU's commitment to perform high impact research of international standards.

Packaging of R and D proposals started after a meeting of HERRC Program Directors last October 2012 in Manila. Through the initiative of the BSU R and D group headed by Dr. Luciana M. Villanueva, Dr. Janet S. Luis and Dr. Belinda A. Tad-awan, the R and D Program proposal "R and D Program to Sustain the Cordilleras: Cradle of Highland Agriculture" was conceptualized.

The proposal was submitted to CHED and was approved for funding and obligated an amount of PhP 17M last December 2012. Table 33 presents the program/projects, the proponents and their corresponding budgets.

Table 33. Proposed R and D Program, projects, proponents and budgets

TITLE	LEADER/STAFF	BUDGET (PHP)
<b>Program 1: Establishment of the Program Management Office (PMO) of HERRC at BSU</b>		
Establishment of the Program Management Office of Benguet State University-Higher Education Regional Research Center (PMO-BSU-HERRC)	Belinda A. Tad-awan	2,000,000.00
<b>Program 2: R and D Projects: Agriculture and Related Fields, Forestry and Natural Resources (AFNR)</b>		

TITLE	LEADER/STAFF	BUDGET (PHP)
Project 1. Population Dynamics of Major Pathogen and Insect Pest of Selected Crops Grown in Three Agro-Ecological Zones at Cordillera Administrative Region (CAR)	Luciana M. Villanueva Asuncion L. Nagpala Carlito P. Laurean Cirilo A. Lagman Gemma S. Das-ilen	3,000,000.00
Project 2. Local Antisera Production for Seeds and Planting Materials Certification of Selected High Value Crops in the Cordillera	Janet S. Luis, Julio S. Ligat Grace S. Backian Teresita D. Masangcay Cynthia G. Kiswa, M Edlyn Mae N. Ciano Loretta C. Romero	4,000,000.00
Project 3. Tissue Culture of Endemic Ornamental Plants	Araceli G. Ladilad Leila Mary B. Alipio-Ayban	500,000.00
Project 4. Addressing Biodiversity Loss through Conservation and Utilization of Indigenous Food Crops: Adaptation Strategy to Climate Change Effects in the Cordillera	Belinda A. Tad-awan Esther Josephine D. Sagalla	900,000.00
Project 5. Profiling, Propagation and Utilization of Indigenous Trees Used as Teas (Mountain Teas) in Benguet	John G. Tacloy	400,000.00
Project 6.1 Agroforestry as a Strategy for Climate Change Adaptation and Mitigation	Kenneth Alip Laruan	1,750,000.00
Project 6.2 Field Trial of Rooted Deguai Cuttings	Sano L. Ngiwas	250,000.00
Project 7. Mobile Animal Clinic to Address Emerging Diseases Due to Climate Change	Criselda S. Battad Jocelyn M. Runas, Melly Ann A. Salic-O	300,000.00
<b>Program 3: R and D Projects: Education and Socio-cultural</b>		
Project 1. Influence of the State Universities and Colleges' Accreditation to the Educational Management of the Institution	Percyveranda A. Lubrica Desiree F. Botengan	938,293.00



TITLE	LEADER/STAFF	BUDGET (PHP)
Project 2. Contextualizing Teaching Practices in a Diversified Classroom: An Assessment	Percyveranda A. Lubrica Manolita N. Alvaro Dessiree F. Botengan	699,900.00
Project 3. Models of Successful School Based Management by School Heads: An Impact Analysis	Percyveranda A. Lubrica Manolita N. Alvaro Ruth S. Batani Desiree F. Botengan Dominador S. Garin Janet Lynn S. Montemayor	1,061,807.00
Project 4. Physical and Environmental Dimension of Wellness of State Colleges and Universities Employees in the Cordillera Administrative Region	Eduardo P. Laconsay	300,000.00
Project 5. Socio-Cultural Studies: Reworking Gender, Reclaiming Culture and Communicating Development	Ruth S. Batani Gigy G. Banes Stanley Fongafong Anongos Ann Heather B. Kiwang Christine Grace B. Sidchogan Filmore Awas	500,000.00
Project 6. Factors Affecting Lifestyle and Health Status of Pocket Miners of Benguet	Mary Rose B. Catapang Dr. Louisa F. Laron Manolita Alvaro Maureen E. Gay-as	400,000.00
<b>TOTAL</b>		<b>17,000,000.00</b>

### ***Philippine Science Consortium (PSC)***

For the year 2012, Dr. Ben D. Ladilad served as the PSC Council Chair. During the year eight (8) colleges and universities were recruited the consortium. These are the: a) Palawan State University, b) Mindoro State College of Agriculture and Technology, c) Mountain Province State Polytechnic College, d) Misamis Oriental State College of Agriculture and Technology, e) University of Southern Mindanao, f) Eastern Visayas State University, g) Apayao State College, and h) Agusan del Sur State College of Agriculture and Technology.

The consortium conducted the following activities which were participated in by students:

- PSC Seminar in Chemistry In April 2012 at Bulacan State University
- 1<sup>st</sup> PSC Research Congress
- 2012 PSC Math-Science Quiz Bowl on December 11-13, 2012 as Isabela State University, Cabagan Campus

A proposal for a Research and Development National Program entitled Conservation, Promotion and Commercialization of Indigenous Organic Food Resources for Poverty Alleviation and Security” was developed and ready for submission to funding agencies. Development and finalization of a PSC Research Proposal for submission to funding agencies

### ***Pre-amalgamation Initiatives***

A series of consultation meetings with student, faculty and staff were conducted in the different colleges by the Office of the Vice President for Academic Affairs and the Planning and Development Office starting December 12, 2012 to get their take on the amalgamation of the six (6) state universities and colleges (SUCs) in the region. The schedules of the consultation meetings conducted were as follows:

December 12, 2012	College of Teacher Education College of Engineering and Applied Technology College of Home Economics and Technology
December 13, 2012	College of Agriculture College of Forestry
December 18, 2012	College of Arts and Sciences
December 19, 2012	College of Veterinary Medicine

Initial results show that out of the 855 respondents, 56% are amenable to the amalgamation of State universities and Colleges in the region; 42% were not amenable while the remaining 2% gave no response. For the 476 respondents who were amenable to amalgamation, the top three (3) preferred models of amalgamation are: Accelerated Integration Model (34%), Merger Model (15%) and Federation Model (14%).

## PRODUCTION

### Income Generating Projects

The net income for the different income generating projects (IGPs) of the university under Revolving Fund 161 and 163 are presented in Table 34. Except for the Egg Production Project, all IGPs have a positive net income.

Table 34. Revolving Fund 161 & 163 Net Income for 2012

Income Generating Projects	Net Income (Loss) As of Dec. 31, 2012
RF 161 BSU Bakery Project	1,273,500.91
RF 161 BSU Food Processing Center	1,352,627.35
RF 161 BSU Poultry Egg Production Project	(458,792.21)*
RF 163 BSU Animal Hospital	315,790.58
RF 163 BSU Garments Project	145,241.71
RF 163 BSU ELS Canteen/Cafeteria	207,255.53
RF 163 BSU SLS Canteen	203,301.38
RF 163 BSU Gladiola Center	409,623.25
RF 163 BSU Guest Houses	501,127.64
RF 163 BSU Souvenir & Gift Shop	27,000.34
RF 163 BSU Marketing Center	137,688.11
<b>TOTAL</b>	<b>4,114,364.59</b>

\* newly purchased stocks

### Infrastructure

A Water Filtration Plant was established at the Strawberry Farm which is being managed by the ATBI. It was observed that the plant can provide continuous irrigation for one (1) hectare per day.



Plate 9. Water Filtration Plant established at the Strawberry Farm

## Other Activities

- Stalls near the BSU Marketing Center were transferred to an area near the La Trinidad Valley Hotel to make them more accessible to visitors
- Multi-Vegetable and Strawberry Project at Balili, La Trinidad, Benguet
- “Adopt an Estero” clean-up drive on July 28, 2012 at the strawberry field area



Plate 10. Other activities of the production team of the university

## Annex A: BOARD RESOLUTIONS

### Instruction

**Res. No. 2090, s. 2012**

Approving the Memorandum of Agreement between BSU and the Office of Sen. Antonio F. Trillanes IV on financial assistance to deserving and qualified students and tasking Management to draft a Resolution of thanking the Senator.

**Res. No. 2091, s. 2012**

Approving the new rate of dorm fees for Graduate School students from Php 600.00 to Php1,500.00.

**Res. No. 2092, s. 2012**

Approving the grant of incentives to the faculty and staff of the College of Home Economics and Technology for its attainment of level 3 for its re-accredited status

**Res. No. 2093, s. 2012**

Confirming the list of graduates for SY 2011-2012, all academic requirements were met.

**Res. No. 2094, s. 2012**

Remanding the University Scholarship Program with instructions to include the following provisions for full time scholars: a. Maximum duration: MS- 2 years Ph.D.-3 years; b. No granting of extension. Scholars who have already used-up the maximum duration but are still working on their thesis/dissertation should report for work at the same time complete their requirements. Those working on their thesis will be given duration of six (6) months and those working on their dissertation will be given one (1) year. There will be no granting of leaves, the requirements should be done during free time.

**Res. No. 2095, s. 2012**

Approving the new test rate for college entrance examination, at Php 200.00.

**Res. No. 2106, s. 2012**

Approving the new rates for Library fees new rates for Library fees, effective second semester SY 2012-2013: undergraduate students-Php 250.00 and Graduate students Php 350.00. For High School students, a library fee of Php. 100.00 will be required

starting SY 2013-2014. Due consultation with the students is also required.

**Res. No. 2107, s. 2012**

Approving the ICT fee for Graduate school students, with the rate of Php 10.00 per hour.

**Res. No. 2111, s. 2012**

Approving the payment of 50% subsidy for the accreditation fee for eight (8) full professors.

**Res. No. 2113, s. 2012**

Approving the MOU between BSU and Investments in Children and their Societies (ICS) Asia.

**Res. No. 2114, s. 2012**

Approving in principle the following curriculum Enhancement of the Bachelor of Science in Agricultural Engineering and Bachelor of Science in Applied Statistics course; the Curriculum Revision of the Doctor in Educational Management course and the repositioning of some subjects in the BS Development Communication curriculum, pending review of the Commission on Higher Education-CAR. The MS in Library Science will be indorsed to CHED Main office for review

**Res. No. 2124, s. 2012**

Confirming the referendum passed last July 4, 2012, on the confirmation of graduates for summer 2012, all academic requirements have been met.

**Res. No. 2127, s. 2012**

Confirming the study and Sabbatical leaves of the above-mentioned faculty and staff.

**Res. No. 2131, s. 2012**

Deferring action on the collection of development fee subject to a consultation with students, subject to presentation of stronger justification and coordination with CHED Regional Office.

**Res. No. 2133, s. 2012**

Confirming the Memorandum of Understanding between BSU and Chungbuk Provincial College.

**Res. No. 2134, s. 2012**

Approving the new mailing scheme for the dissemination of notices of admission and test results for incoming college and freshmen students and transferees for SY 2013-2014

**Res. No. 2146, s. 2012**

Confirmation of the Candidates for graduation as of October 2012

**Res. No. 2148, s. 2012**

Approving the enhancement of the BS Agriculture Curriculum

**Research and Extension**

**Res. No. 2096, s. 2012**

Approving the Memorandum of Agreement between BSU and the Dept. of Agrarian Reform (DAR) on Needs assessment of DAR-ARCCES Project (4 projects).

**Res. No. 2097, s. 2012**

Approving Memorandum of Agreement between BSU and PCAARRD on Supply Chain improvement of Organic Coffee Beans in CAR.

**Res. No. 2100, s. 2012**

Approving the Center for Climate Smart Agriculture (CCSA) at the Benguet State University, to focus on upland rainfed areas.

**Res. No. 2109, s. 2012**

Approving the MOA among BSU, DA-Regional Office and LGU La Trinidad Municipal Agriculture and Fisheries Council on small farm reservoir.

**Res. No. 2115, s. 2012**

Approving the Memorandum of Agreement with PCAARRD on the Improved BCA-Based Pest Management Systems for Sustainable Production of Highland Vegetables

**Res. No. 2116, s. 2012**

Approving the Memorandum of Agreement among BSU, Municipal Government of La Trinidad, and Japan Agricultural Exchange Council (JAEC) on Safe Vegetable Promotion Project.

**Res. No. 2117, s. 2012**

Approving in principle the creation of Patent Library, subject to presentation of a concept paper.

**Res. No. 2122, s. 2012**

Deferring action on the creation of the Intellectual Property Rights, subject to review of the concept paper, with the colatilla that the Office could continue do its functions.

**Res. No. 2135, s. 2012**

Endorsing the research program titled: Establishment of regional laboratory facilities for the enhancement of curricular programs, research and livelihood opportunities" for CHED-DAP funding.

**Res. No. 2136, s. 2012**

Confirming the MOA between BSU and the Don Mariano Marcos Memorial State University (DMMMSU) on the establishment of a BSU Regional Apiculture Center.

**Res. No. 2137, s. 2012**

Confirming the renewal of the MOA between BSU and the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) on the existing of the Agricultural Meteorological Research Station.

**Res. No. 2138, s. 2012**

Confirming the MOA between BSU and DA-BAR on the implementation of the project: Pilot testing and Seed multiplication of potential varieties of snap beans (*Phaseolus vulgaris*) and Garden Pea (*Pisum sativum*) under organic production systems in the Philippines.

**Res. No. 2139, s. 2012**

Confirming the MOA between BSU and the National Agricultural and Fisheries Council on the Training of young farmers.

## **Administration and Governance**

### **Res. No.2080-a,s. 2012**

Adopting the CHED guidelines on Delegation of Authority to SUC Presidents

### **Res. No. 2082, s. 2012**

Renewing the appointments of the private Sector Representatives: Ms. Christine D. Abellon and Dr. Alumno Ampaguey for their second term from March 30, 2012 to April 30, 2014.

### **Res. No. 2083, s. 2012**

Approving the appointment of Atty. Arnold Andres W. Lampacan, as Executive Assistant IV

### **Res. No. 2084, s. 2012**

Confirming the Referendum No. 023, s. 2012, passed on February 15, 2012, on the travel of Pres. Ben D. Ladilad to the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru, Hyderabad, India.

### **Res. No. 2085,s. 2012**

Approving the Study Leaves, Sabbatical Leaves and Personal Leaves and change in status of the above-mentioned employees, the requirements and the due process were met.

### **Res. No. 2085-a,s. 2012**

Instructing Management to submit a list of all faculty members who were on full time scholarship but have not finished their degrees and giving instructions further that those in the list should pay their service obligation through 30% salary deduction, until such time that the said obligation is settled.

### **Res. No. 2087,s. 2012**

Approving the Internal Operating Budget (IOB) for Fiscal Year 2012. With the colatilla that more funds be allocated for Policy Standard Guidelines requirement of each curriculum.

### **Res. No. 2088,s. 2012**

Approving the proposed Budget Proposal for FY 2013.

### **Res. No. 2088-a,s. 2012**

Approving the grant of rice to the employees and officials of the Benguet State University-Main campus,

funds shall be sourced from the generated net income of RF 161 (Agri-based IGPs) and RF 163 (Non-Agri-based IGPs) for CY 2011, with the colatilla that funds that the grant of such benefit is in accordance to the existing Collective Negotiation Agreement, and subject to accounting rules and regulations.

### **Res. No. 2099, s. 2012**

Approving membership on existing Board Committees and newly created Board Committees, as reviewed and amended: Regent Alumno Ampaguey will be included in the Board Committee on IGPs.

### **Res. No. 2103, s. 2012**

Approving the University Human Resources Development Program in principle, subject to and in consideration to the changes discussed: the duration of the support from the University of fulltime scholars will be two (2) years for scholars who will pursue MS degree and three (3) years for scholars who will pursue a PhD degree, subject to extension with justifiable reason.

### **Res. No. 2104, s.2012**

Approving the University Policy on Breastfeeding Practices.

### **Res. No. 2105, s.2012**

Approving the use of Human Resources Development fund.

### **Res. No. 2110, s. 2012**

Approving the University Housing policies with the proviso on implementing rentals through appropriate consultation and with the inclusion of a provision that if there are damages in the housing unit at the fault and negligence of the occupant, expenses for its repair shall be shouldered by the occupant.

### **Res. No. 2112, s. 2012**

Confirming designations under the following sectors: Academic, Research, Extension, Administration and Office of the President, issued from February 2012 to June 2012

### **Res. No. 2118, s. 2012**

Approving in principle the creation of a Project Development Office under the Office of the President, subject to presentation of a concept paper.

**Res. No. 2122-a, s. 2012**

Deferring action on the creation of the Project Development Office subject to review of the concept paper, with the colatilla that the Office could continue do its functions.

**Res. No. 2123, s. 2012**

Approving the allotment of budget for lawyer's honorarium, allowable by COA, in relation to the case filed at the Ombudsman.

**Res. No. 2128, s. 2012**

Confirming the designations from August to September 3, 2012, with the colatilla that all designations be reviewed and the term of office should be included.

**Res. No. 2129, s. 2012**

Approving the grant of calamity assistance to all employees of the Benguet State University, subject to COA rules and regulations and subject to availability of funds.

**Res. No. 2130, s. 2012**

Approving the implementation of the promotion of Dr. Violeta B. Salda by virtue of her Lingkod Bayan Award, by way of increase in salary, from SG 24-SG25.

**Res. No. 2132, s. 2012**

Deferring action on the proposed Organizational Structure of the College of Teacher Education, with instruction that this should be included in the University's Strategic Plan. Organizational structure.

**Res. No. 2142, s. 2012**

Approving the Referendum on the downgrading of 19 positions for the creation of 25 instructor positions and 12 non-teaching positions

**Res. No. 2143, s. 2012**

Approving the Referendum on the payment of salary differential of 106 faculty members covering the 4th NBC 461 evaluation for December 2012

**Res. No. 2144, s. 2012**

Constituting the Finance Committee Chair: NEDA CAR Director; Members: DOST CAR Director, DA-

CAR Director, Faculty Club President and Student Regent

**Res. No. 2145, s. 2012**

Approving the grant of Christmas Pack, with reference to earlier approved resolution of the Board of Regents (Res. No. 2066, s. 2011)

**Res. No. 2147, s. 2012**

Approving that faculty and staff pursuing graduates studies enroll 6 units/semester

**Res. No. 2149, s. 2012**

Approving the grant of collective Negotiation Agreement incentive, subject to availability of funds and subject to COA rules and regulations

**Production**

**Res. No.2080, s. 2012**

Confirming the lease contract between the Benguet State University and Graceland 23 on mall development with the following colatilla: that the detailed plan/design on the mall an on the proposed Elementary School building shall be presented and approved by the Board of Regents; that the turn-over of the structure will be after 25 years, to start upon occupancy and further discussions to convince Graceland 23 on possible change of location, if acceptable to Graceland.

**Res. No. 2081, s. 2012**

Approving the lease contract between BSU and occupants of the University's lot at Km.5, LaTrinidad, Benguet, namely: Victor P. Singa Jr (256 sq.m. commercial and 20 sq.m. residential); Albert Paul B. Dimas (177 sq.m. residential); Suella Paayas (97 sq.m. residential) and Margaret P. Lumiqued (120 sq.m. commercial and 260 sq.m. residential), with the following colatilla: that the contract of lease will have a duration of 5 years, renewable upon agreement of both parties; that there will be a yearly escalation cost of 10% for commercial lots and 5 % escalation cost for residential areas; that for concerned occupant (Ms. Margaret Lumiqued and Ernesto Lumiqued) who has been leasing the area to other tenants for the past years, should pay at least 50% of the total collections from the tenants/leasee payable in one year; and Mr/Ms. Lumiqued should retain its present/ existing tenants.



**Res. No. 2086, s. 2012.**

Confirming the opening of new bank accounts under Revolving Fund (RF) 161 (Agri-based IGPs); RF 163 (Non-Agri-based IGPs) and under Special trust fund.

**Res. No. 2089, s. 2012**

Approving the Memorandum of Agreement between BSU and LGU La Trinidad on leasing a parcel of land for parking purposes

**Res. No. 2108, s. 2012**

Approving in principle, the Lease Contract between BSU and Mr. Norvy Abyadang on the lease of Commercial space on the 1st Floor of the Gladiola Center as awarded to NS Northern Organic Fertilizer, Inc. with the proviso that all suggestions/corrections be included and that before signing, the contract should be brought to Regent Oracion for review.

**Res. No. 2125, s. 2012**

Approving the grant contract between the Embassy of Japan in the Philippines and the Benguet State University for the construction of a Food Processing project.

**Res. No. 2126, s. 2012**

Approving the contract between BSU and Sonwin General Construction on the construction of the Food Processing Center, at the Strawberry Farm, BSU Compound, La Trinidad, Benguet with the colatilla that this should not be a precedent.