

Highlights of Accomplishments

Part I

IMPLEMENTATION OF PROGRAMS AND PROJECTS FOCUSING ON DOST STRATEGIC PROGRAMS

○ HARNESSING TECHNOLOGY TO IMPROVE INDUSTRY COMPETITIVENESS

INNOVATION SYSTEM SUPPORT

A total of 112 technology interventions were provided to 46 SET-UP assisted firms in the priority sectors of Food Processing, Furniture, Metals and Engineering and Agriculture. Of the total firms assisted, only ten (10) were for the current year while the rest are on-going projects. A total of 27 proposals were submitted for NPMO funding assistance and other 17 in the pipeline for CY 2012 funding. Interventions were on the area of equipment acquisition, training, technical assistance and consultancy services, and product development. For all SET-UP firms assisted and monitored, a gross sales of P83.471M was realized with 425 employment generated and an average improvement in productivity of 12.85%.

On the other hand, 32 firms were provided with 92 interventions, 23 of them were assisted for this year through the Regional GIA Program on equipment acquisition, label design and training. A total of P9.245M in gross income was earned by all program assisted firms, with 280 employment generated and an average improvement in productivity of 14.12%.

Eight (8) community-based projects (CBP) were also implemented and completed for Ilocos Sur (2), Western Pangasinan (1) and Eastern Pangasinan (2). For Ilocos Norte (2) and La Union (1) the interventions were already started but will be completed by next year.

○ USING S&T TO ENHANCE DELIVERY OF GOVERNMENT AND SOCIAL SERVICES

S&T SCHOLARSHIP PROGRAM

There were 33 new scholarship qualifiers for AY 2011-2012, 20 are under the S&T Scholarship Act or RA 7687 Scholarship and 13 under the Merit Scholarship Program of DOST. However, only 24 (16 for S&T Scholarship and 8 for Merit Scholarship) availed of the scholarship. Seven (7) of the 16 RA 7687 scholars and none of the 8 merit scholars enrolled in Region 1.

As of the second semester of AY 2011-2012, there are 106 on-going scholars studying in various accredited universities in the region, 105 of them are under RA 7687 Scholarship, and only one (1) under Merit Scholarship. The Regional Office also facilitated the conduct of the scholarship campaign undertaken by the scholarship staff. The campaign benefitted a total of 30 schools.

On the other hand, 1,135 graduating high school students were assisted in their application for the 2012-2013 S&T Scholarship Program, 843 under the RA 7687 Scholarship and 292 under the Merit Scholarship of DOST. Only 1,102, however, (822 under RA 7687 and 280 under the Merit Program) were able to take the examination conducted at various testing centers in the region.



DOST Region 1 scholarship staff discussing the scholarship program to high school students.

PSHS SCHOLARSHIP

A total of 410 graduating elementary pupils were assisted in their application for the 2012-2013 PSHS Scholarship Program. Only 91, however, qualified for the scholarship program – 20 in Ilocos Norte, 8 in Ilocos Sur, 20 in La Union and 43 in Pangasinan.



Graduating elementary pupils from all over the region take the qualifying examination for the 2012-2013 PSHS Scholarship Program last September 10, 2011 in various testing centers in the region.

IMPLEMENTATION OF COMMUNITY-BASED PROJECTS

Eight (8) community-based projects were implemented in the region. In Ilocos Norte, the *“Package of technologies for community-based ube and ginger production and processing”* of Monte Azure in Dumalneg, an upland community of the province, and *“Technology innovations for community-based sugarcane production”* of San Nicolas Sugarcane Growers Association in San Nicolas, were provided with trainings on production technology in time for the planting period of the crops by next year.



Members of Monte Azure in Dumalneg attend the training on Ginger Wine Making from one of the experts of the Food Safety Team of DOST Region 1



Members of the Buenlag RIC in Binmaley, Pangasinan are processing bangus while the Regional Project Monitoring Team of DOST Region 1 look on.

In Ilocos Sur, the Unas Growers and Workers Association implemented the project, *“Package of technologies for community-based sugarcane production and processing”* where they were assisted in sourcing out for high-yielding variety of sugarcane and trained on the package of technology (POT) for sugarcane production.

Likewise, the community-based project on “Increasing productivity through multiple cropping of bangus” was implemented for the Suksukit Fish Processor Association to support their bangus processing activity.



The members of the association listen intently to PD Ramon Sumabat during the inception meeting for the CAPE Program with the experts from MMSU.



Members of the association were trained on the package of technology for sugarcane production through the Comprehensive Agricultural Productivity Enhancement (CAPE) Program.

In La Union, the *“Technology innovations for community-based sugarcane production and processing”* was implemented for the Green Valley United Cooperative based in Naguilian. The members of the coop were provided with high-yielding variety of sugarcane and trained on its POT.

In Western Pangasinan, the Binmaley RIC Food Products benefitted from the project, *“Process and packaging improvement of bangus products”* where processing equipment and facilities, and packaging were provided. In Eastern Pangasinan, on the other hand, the project, *“Upgrading of packaging and production facilities for veggie-enhanced products”* and the *“Upgrading of packaging and labeling for veggie noodles”* were implemented for the Alcala Livelihood Center and Veggie Enhanced Products in Poblacion East, Alcala and the MARESMA Women’s Credit Cooperative in San Andres, Balungao, respectively.

ISO PROJECT

The Regional Office and the Provincial S&T Centers continued its compliance to ISO 9001:2008 standards. Likewise, the Regional Standards and Testing Laboratory continued its accreditation for ISO 17025 from the Philippine Accreditation Office for its chemical and microbiological testing services, and recognition from the Department of Environment and Natural Resources (DENR) for its wastewater testing.

S&T LIBRARIES AND INFORMATION SERVICES

A total of 3,368 individuals, mostly students, were assisted in their need for references and reading materials available at the regional library and at the PSTC libraries.

The library provides free internet service to library users.

S&T PROMOTION AND ADVOCACY

Press Releases

A total of 32 press releases were provided to various broadcast media outlets, 68 to all print media organizations and eight (8) for the tv media in the region.

S&T Fairs Implemented/Participated

On the other hand, in addition to DOST Region 1's participation to the Annual National S&T Week Celebration held at the SMX Convention Hall and sponsor to the 2011 Regional Invention Contest and Exhibit held at SM City Rosales, participation to five (5) techno-trade fairs were also undertaken, where products of DOST-assisted firms were sold and DOST programs, projects and activities were featured.

Press Conference/Interviews

A total of 87 press conferences/interviews were provided by the Regional Office and the PSTCs to representatives of the tri-media. Talking points varied from DOST Programs and Projects, OL trap, RICE, SET-UP, Scholarship, etc.

Part II:

IMPLEMENTATION OF DOST-OSEC CONTINUING PROGRAMS

REGIONAL S&T SERVICES

TESTING AND CALIBRATION SERVICES

For CY 2011, the Regional Standards and Testing Laboratory (RSTL) of DOST Region 1 conducted 6,547 chemical and microbiological testing and analysis from a total of 4,809 samples received from 2,061 customers and 657 firms, generating P2.122M in testing fees for the government. Product samples submitted for testing are potable water and wastewater, and processed food. As per Philippine Nutrition Labeling Requirement, the DOST 1 RSTL is already capable of conducting analysis of the five core elements of moisture content, ash, protein, fat, sodium, iron, potassium and calcium, which are the bases for the determination of total calories, calories from fat and carbohydrates. The DOST 1 RSTL is an ISO 17025 accredited laboratory by the Philippine Accreditation Office. It is also accredited as an environmental laboratory by the DENR.

On the other hand, 813 calibration services were undertaken by the Regional Metrology Laboratory (RML) and Satellite Metrology Centers. The service benefitted 381 clients and 331 firms, and generated P477,620 in calibration fees. As part of the networking and linkage with various stakeholders, calibration were also undertaken and valued at P6,050.00. The RML is currently undergoing its ISO 17025 accreditation.

PACKAGING AND LABELING SERVICES

Twenty-five (25) label designs were completed and provided to 17 firms engaged mostly in food processing, four (4) are assisted under SET-UP, 13 are assisted under DOST 1 GIA. Moreover, there are 23 on-going label designs in various stages of development for 14 beneficiary-firms.

A total of 72 markets were penetrated by all other firms assisted and provided with label and packaging, within the region, Cagayan and as far as Metro Manila, and provided an equivalent aggregate increase in sales of P1.574M.

TECHNICAL ASSISTANCE AND CONSULTANCY SERVICES (TACS)

DOST Region 1 provides various technical and consultancy services to its clients. Ten (10) siganid and milkfish growers from Pangasinan were assisted through the Aquadev Program initiated by the WorldFish Center and supported by the CAPE Program of TAPI-DOST. Likewise, 43 sugarcane farmers from Ilocos Norte, Ilocos Sur and La Union were trained on sugarcane production technology, and planting materials of high-yielding variety of sugarcane and production inputs were provided covering a total area of 20 hectares.

On the other hand, 19 firms benefitted from Energy Audit, Cleaner Production Assessment and Food Safety Assessment services provided by the Productivity Teams led by DOST Region 1. Moreover, 65 firms benefitted from the technical assistance and trainings provided by experts from ITDI, FPRDI, MIRDIC, PTRI and FNRI, and another 63 firms from the technical expertise provided by DOST-PSTC staff.

TECHNOLOGY TRAININGS

Thirty-two (32) trainings were implemented during the year, including those provided by the DOST-RDIs and one(1) institutional training for the DOST Region 1 staff. A total of 117 firms from 788 participants attended these training courses on GMP/Food Safety, Occupational Health and Safety (OHS) Practices in the workplace, Shielded Metal Arc Welding (SMAW), sugarcane production technology, calibration and metrology, food processing, meal management and food handling, ikat dyeing and weaving technique, wine production, soap making and candle making.

TECHNOLOGY CLINICS/INVESTORS' FORA

A total of six (6) technology fora were conducted as an added activity during the 2011 Regional Invention Contest and Exhibition (RICE) held at SM City Rosales in Carmen, Rosales, Pangasinan. A total of 222 participants and 18 firms attended the activity.



Experts from DOST-RDIs present their technologies to the participants of the Techno Fora during the 2011 Regional Invention Contest and Exhibition held at the Event Center of SM City Rosales in Carmen, Rosales, Pangasinan. The topics discussed were on: brown rice, complementary baby foods, low fat ice cream, low sugar, sulfate free dried mango, water purifier and styro plastic densifier.

○ GENERAL ADMINISTRATION AND SUPPORT SERVICES

FINANCIAL MANAGEMENT

The operation of DOST Region 1 revolved within its 2011 budget amounting to P43,791,868.91 broken down into: P24,412,857.00 from General Appropriations Act and P19,379,011.91 generated from other sources.

HUMAN RESOURCES MANAGEMENT

DOST Region 1 had a total manpower complement of 40 staff, comprising of 23 permanent and 17 contractual staff, distributed to the Technical Services and Administrative Services Division. There were two (2) permanent technical employees who were on study leave while one (1) administrative employee was on sick leave.

APPENDICES - SUMMARY OF 2011 PERFORMANCE INFORMATION

Appendix Table 1. List of technologies transferred to beneficiaries

Technology		Beneficiary/Location	Agency Involved	Fund Source
Lumber Kiln Dryer Technology	1	Karen and Jaye's Furniture San Nicolas, Ilocos Norte	FPRDI	SET-UP
Vinegar acetator and wine kit	1	JVM3 Pure Sugarcane Vinegar and Basi Binalonan, Pangasinan	ITDI	SET-UP
Sugarcane production technology	1	San Nicolas Sugarcane Producers Association San Nicolas, Ilocos Norte	MMSU	GIA-DOST 1 CAPE-TAPI
	2	Unas Growers and Workers Association Sta. Maria, Ilocos Sur	MMSU	
	3	Green Valley United Cooperative Naguilian, La Union	MMSU	
CP Assessment	1	Gladfood Products Laoag City	CP Assessment Team	GIA-DOST 1
	2	Jones Bakery City of Batac, Ilocos Norte		
	3	Vida Vieja Antique Furniture Bangar, La Union		
	4	EMP Welding Shop Bangar, La Union		
	5	Mariz Bibingka San Fernando City, La Union		
	6	CIJ Woods Bacnotan, La Union		
Energy Audit	1	Mira Furniture Bantay, Ilocos Sur	Energy Audit Team	GIA-DOST 1
	2	Vida Vieja Antique Furniture Bangar, La Union		
	3	EMP Welding Shop Bangar, La Union		
	4	CIJ Woods Bacnotan, La Union		
	5	DOST Regional Office San Fernando City, La Union		
Food Safety Assessment	1	Gladfood Products Laoag City	Food Safety Assessment Team	GIA-DOST 1
	2	New La Moda Miki & Pancit Canton Factory Laoag City		
	3	Joanne's Meat Products Batac City, Ilocos Norte		
	4	Janber Meat Processing Sto. Domingo, Ilocos Sur		
	5	Joma's Tower Café Vigan City		
	6	Alcala Livelihood Center and Veggie Noodle Production Alcala, Pangasinan		
	7	Hannah and Chloe Food Enterprise Binalonan, Pangasinan		
	8	Jomahs Banana Chips Binalonan, Pangasinan		
	9	Mabuhay Chichacorn Binalonan, Pangasinan		

Appendix Table 1. List of technologies transferred to beneficiaries (continued)

Technology		Beneficiary/Location	Agency Involved	FundSource
Label Design	1	Glory's Empanada City of Batac	Accredited Local Designers	GIA-DOST 1
	2	San Jose MPC Sarrat, Ilocos Norte		
	3	Gladfood Products Laoag City		
	4	Miriam's Pasalubong Laoag City		
	5	San Nicolas Bawang Association San Nicolas, Ilocos Norte		
	6	Warling's Chichacorn Candon City, Ilocos Sur		
	7	Sanart Food Products Candon City, Ilocos Sur		
	8	Estrel's Calamay Candon City, Ilocos Sur		
	9	Ruizan Food Products Vigan City, Ilocos Sur		
	10	Suksukit Fish Processors Association Sto. Domingo, Ilocos Sur		
	11	Llamoso's Bakery Sta. Cruz, Ilocos Sur		
	12	Bella's Calasiao Puto Calasiao, Pangasinan		
	13	Pogonsili Handmade Soap Aguilar, Pangasinan		
	14	Yayong's Enterprises San Carlos City, Pangasinan		
	15	San Fabian Council for Women MPC San Fabian, Pangasinan		
	16	Alcala Livelihood Center and Veggie Noodle Production Alcala, Pangasinan		
	17	Maresma Women's Credit Coop Balungao, Pangasinan		
Furniture Making Equipment	1	Auxcomm Technology, Inc. Dingras, Ilocos Norte	PSTCs	SET-UP
	2	AJ's Furniture & Upholstery San Nicolas, Ilocos Norte		SET-UP
	3	Vida Vieja Antique Furnitures Bangar, La Union		SET-UP
	4	Anak ng Bani Furniture Shop Bani, Pangasinan		SET-UP
	5	IER's Furniture and Sash Factory Mabini, Pangasinan		SET-UP
	6	Boyong's Furniture Shop Mangatarem, Pangasinan		SET-UP
	7	Gayem Handicraft and Furniture Pozorrubio, Pangasinan		SET-UP
	8	H. Raymundo Furniture Shop Asingan, Pangasinan		SET-UP
	9	Alcantara Furniture Shop Vigan City		GIA-DOST 1
	10	Real Madrid Sash and Iron Works Lingayen, Pangasinan		GIA-DOST 1

Appendix Table 1. List of technologies transferred to beneficiaries *(continued)*

Technology		Beneficiary/Location	Agency Involved	Fund Source
	11	Marianing's Woodworx and Sash Factory Binmaley, Pangasinan		GIA-DOST 1
Meat Processing Equipment	1	Gladfood Products Laoag City	PSTCs	SET-UP
	2	Jowelma Gen. Merchandise Rosales, Pangasinan		GIA-DOST 1
Metals and Engineering Equipment	1	Ressteel Iron Works Candon City, Ilocos Sur	PSTCs	SET-UP
	2	New Prestoza Machine Shop San Fernando City, La Union		SET-UP
	3	A.D. Cacanindin Machine Shop Aringay, La Union		SET-UP
	4	EMP Welding Shop Bangar, La Union		SET-UP
	5	Moskito Welding Shop Bangar, La Union		SET-UP
	6	Z. de Guzman Metal Shop Villasis, Pangasinan		SET-UP
	7	Weldingan ni Ledo Batac City, Ilocos Norte		GIA-DOST 1
	8	Noto Repair Shop Bangar, La Union		GIA-DOST 1

Appendix Table 2. Number of people trained and technical courses conducted.

Training Course	Agency Involved	No. of Participants
1 Training on ikat dyeing and weaving technique	PTRI	13 members of 2 loomweavers' cooperatives
2 Training on lumber kiln dryer technology	FPRDI	7 participants from 2 furniture making firms
3 Training on cGMP/Food Safety	Food Safety Team of DOST Region 1	91 participants from 19 food processing firms
4 Training on Shielded Metal Arc Welding Technique	MIRDC	15 metalshop owners
5 Training on Occupational Health and Safety Practices in the Workplace	MIRDC	105 participants from 61 firms
6 Training on Sugarcane Production Technology	MMSU	45 participants from 3 sugarcane growers organizations
7 Training on Calibration	PSTC	16 LGU staff
8 Training on Meal Management and Food Handling	FNRI	64
9 Training on siganid and seabass culture and feed formulation	NIFTDC-BFAR	10 siganid/milkfish growers

Appendix Table 3. Number of clients served and income generated through testing and calibration services

a. TESTING SERVICES

Indicators	Chem	Micro	Total
No. of samples analyzed	1,000	3,809	4,809
No. of testing services provided	1,239	5,308	6,547
No. of customers served	2,061		2,061
No. of firms assisted	657		657
Income generated (P'000)	762.85	1,359.47	2,122

b. CALIBRATION SERVICE

Indicators	Ilocos Norte	Ilocos Sur	La Union	Pangasinan	TOTAL
No. of calibration services provided	25	26	747	15	813
No. of clients served	19	22	331	9	381
No. of firms served	5	19	300	7	331
Income generated, P'000	1.40	12.75	429.71	3.76	447.62
Value of assistance rendered, P'000	5.32	1.38	52.14	1.66	60.50