



Chrysalis

**2018
Annual
Accomplishment
Report**

**Agricultural Training Institute
Regional Training Center IV - A
8575 Camerino St. Brgy. Lapidario,
Trece Martires City, Cavite**

ABOUT THE *Cover*

CHRYSALIS

From the Latin word “chrysalid” meaning gold-colored pupa or from the Greek word “chrysos” also means gold.

It is the pupa specifically of the butterfly where the transformation from immature to mature stage happens.

Without this stage, a butterfly will not have a complete cycle of development.

The ATI-Region IVA in its effort to face the challenges within and outside the system, had to enclose itself briefly into a “pupa” to further develop and make them stronger through constant monitoring and evaluation and ensuring that performance standards set are followed and partnerships are maximized.

The ATI-Region IVA in its changing stage will continue to be more proactive, providing high impact and excellent extension services in the CaLaBaRZon. Gradually, the ATI-Region IVA is revealing itself with its shining performance like “gold”. Adding to its brilliance are the innovations and best practices being instituted by the Center.

In due time, it will transform into a full-blown premier Training Center complete with facilities and with self-propelling and competent staff.



Mariel Celeste C. Dayanghirang
Training Center Superintendent I

CONTENT WRITERS

Rolando V. Maningas, Ph.D

INFORMATION OFFICER III

Maridelle G. Jaurigue

MEDIA PRODUCTION SPECIALIST II

CONTRIBUTING WRITER

Angelo H. Hernandez

PLANNING AND EVALUATION OFFICER I

LAYOUT AND DESIGN

Andrew M. Atienza

NETWORK CONTROLLER

CONTRIBUTING EDITORS

Marites Piamonte-Cosico

CENTER DIRECTOR

Mariel Celeste C. Dayanghirang

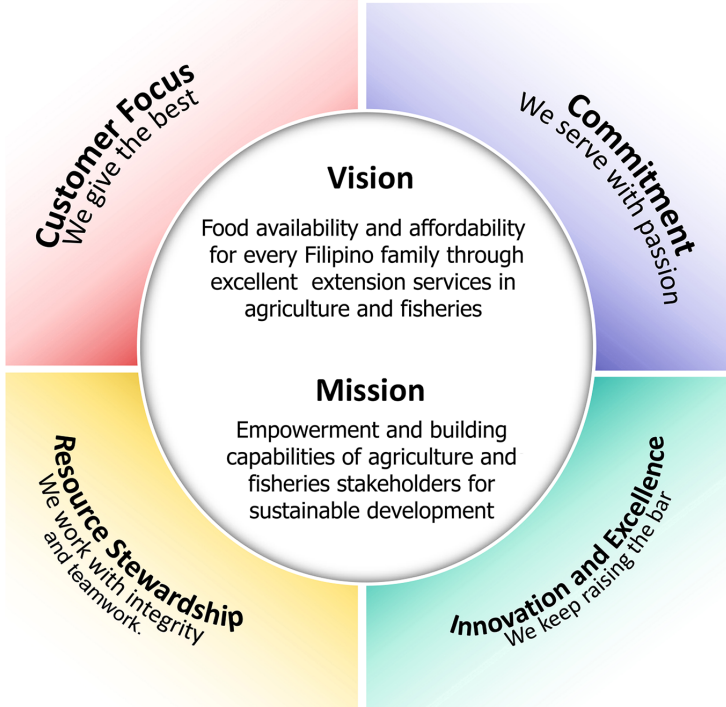
ASSISTANT CENTER DIRECTOR



QUALITY POLICY

"The Agricultural Training Institute as the orchestrator of the National Extension System ensures harmonized management of agricultural and fishery extension delivery systems in empowering the farmers and fisherfolk for food security, poverty alleviation and social equity for sustainable development."

We, in ATI, are committed to uphold our core values, reiterated as follows:



Our Frontline Services

- ◆ Training Services
- ◆ Accreditation of Extension Service Providers
- ◆ Certification of Learning Site for Agriculture (LSA) and School for Practical Agriculture (SPA)
- ◆ Provision of Extension Grants
- ◆ Provision of IEC Materials and e-Learning Courses
- ◆ Provision of Scholarship Programs (4H)
- ◆ Provision of Farm and Business Advisory Services
- ◆ Provision of Library Services
- ◆ Processing of Payments and Collection (Cashiering)
- ◆ Response to Inquiries (Walk-In Clients)

WHAT'S Inside

- ii About the Cover
- iii Table of Contents
- iv Directors' Corner
- 5 Enhancing Access to AFE Knowledge Products and Services
- 11 Strengthening Competitiveness and Capacities of the AF Sector
- 14 Expanding Partnerships in Advancing Excellence in AFE Delivery
- 16 Scaling-Up AFE Innovations
- 20 Strengthening AFE Stakeholder's Capacity in Climate Change Adaption and Readiness
- 26 Improving Enabling Environment and Quality of Governance
- 31 Awards and Recognition
- 32 Performance Highlights
- 33 Organizational Structure

FOR MORE INFORMATION CONTACT US

8575 Camerino St. Brgy. Lapidario, Trece Martires City, Cavite



(046) 419-0210



atirtc4a@gmail.com



ati.da.gov.ph/ati-4a/



@aticalabarzon



www.facebook.com/ATICalabarzon



@aticalabarzon



Message

The year 2018 marks significant developments for ATI CALABARZON as it continues to serve as a premier Training Center for the agriculture and fishery sector in the region.

We continue to uphold the core values of the Institute, serving with greater passion and maintaining integrity and teamwork across our extension activities. Some notable accomplishments of the RTC include the seven pilot innovative programs, upgraded facilities, and strengthened linkages with the LGUs, National Government Agencies and private extension providers.

In 2018, we conducted extensive capability training programs for Agricultural Extension Workers, farmers and fisher folks, and reached a wider audience with our free seminar offerings on various commodities.

As an agency that advocates for empowerment of farmers in communities, we take pride in working side by side with our Magsasaka Siyentistas in promoting innovative and sustainable agricultural practices. We have also accredited over 20 new Learning Site partners to provide hands-on learning for practitioners and agriculture enthusiasts.

With the growing Regional Agriculture Fisheries and Extension Network (RAFEN) in CALABARZON, we are confident to take on new challenges and champion agriculture and fishery initiatives in the region.



Marites Pamonte-Cosico
Center Director

Theme 1: Enhancing Access to AFE Knowledge Products and Services

The programs under Thematic Goal 1 deal with different extension clients' and stakeholders' needs for fast access of up-to date agriculture and agriculture-related information and knowledge. It includes development, translation, packaging and distribution of knowledge products through multimedia and all other modes of communication.

ATIInteractive

For 2018, in the ATI RTC in CaLaBarZon's website (<http://ati.da.gov.ph/ati-4a/>) managed by the Information Services Section (ISS), it uploaded a total of **91 news articles** showcasing significant events happening in the region. The site recorded a total of 13,304 pageviews having a monthly average of 1,247 views.

The Center had also enhanced public awareness through its social media accounts. Its Facebook page, *Agricultural Training Institute-CaLaBarZon*, has **9,718 followers** to date, and has active public engagement on activity posts resulting to **5,188 pagelikes**. In the Instagram and Twitter accounts, (@aticalabarzon) there were advocacies and public relations activities posted.

IEC Materials Developed and Distributed

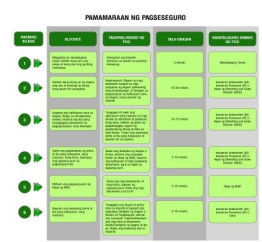
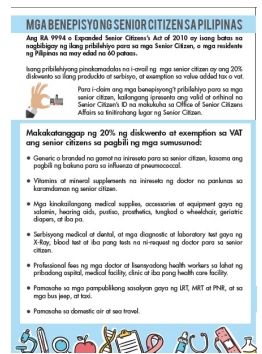
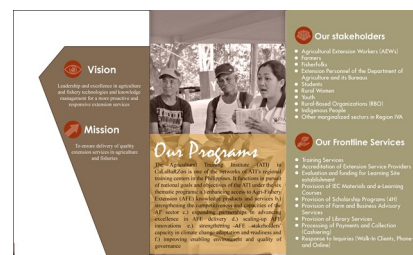
Recognizing the need to provide supplemental information to our stakeholders, the Center through the Information Services Section (ISS) developed **thirteen (13) brochures** for the different banner programs and distributed **5,776 copies**, as follows;

- ◆ Learning Site for Agriculture (LSA)
- ◆ Mga Benepisyo ng Senior Citizen sa Pilipinas
- ◆ Mga Karapatan ng Bata
- ◆ Rural Improvement Club of the Philippines
- ◆ Product Stewardship: Safe and Responsible Use of Crop Protection Products
- ◆ Baby Corn: Mahalaga na, Masustansya pa!
- ◆ Dahon ng Kakwate at Balat ng Saging, Mainam na Natural na Pataba
- ◆ Standards and Regulatory Agencies on Food Safety
- ◆ Programa ng Japan sa Pagsasaka para sa Kabataang Magsasaka (YFFTPJ)
- ◆ Alternatibong Pabahay, Swak sa Baboy Nyo
- ◆ Paraan ng Pagkuha ng PWD ID
- ◆ Pamamaraan ng Pagseseguro
- ◆ ATI Region IVA Corporate Brochure

An additional of **40,497 IEC materials** were distributed to our clientele through trainings, briefings, Farmers Information and Technology Services (FITS) Centers and Learning Sites. A total of **4,606 pieces of IEC materials** were given to walk-in visitors at the Center's *e-Extension hub* located at Barangay Lapidario in TreceMartires City, Cavite.

The volume 2 of the *Agriculturally Awesome: A Regional Farm Tourism Travel Guide* was launched during the Learning Site Forum last November 2018 with 45 copies initially distributed. The guide showcased the additional 17 additional accredited farm tourism sites by the Department of Tourism thus making CaLaBarZon the most number of accredited farm tourism destination in the country.

For transparency of ATI IV-A's programs and accomplishments, the Center also produced and distributed the semi-annual newsletter *Siklab* and *Quintessence: 2017 Annual Accomplishment Report* to our partners. It was posted and can be downloaded at our website.



e-Extension Program

The electronic delivery of extension service that provide a more efficient alternative to a traditional extension system for agriculture, fisheries and natural resources sectors. It maximizes the use of information



and communication technology to attain a modernized agriculture and fisheries sector. It focuses on creating an electronic and interactive bridge where farmers, fishers and other stakeholders meet and transact to enhance productivity, profitability and global competitiveness.

With the aim of bringing innovative extension services for agriculture and fisheries to students wherein they can learn and at the same time cultivate interest in agriculture-related courses for their tertiary education, the ATI RTC IV-A led the conduct of **5 batches** of "Demystifying e-Learning on Agriculture and Fisheries for K-12 Students." This will be conducted to National High Schools that offers a TVL-Agriculture in their curriculum.

A lecture and simulation is conducted every briefing with a volunteer creating an account, enrolling in a desired course and finishing it up to the part of downloading his/her own Certificate of Training. The five pilot sites are:

- ◆ Cavite Province: Munting-Ilog National High School, Silang, Cavite (65 students)
- ◆ Laguna Province - Siniloan Integrated National High School, Siniloan, Laguna (67 students)
- ◆ Batangas Province – Padre Garcia National High School, Padre Garcia, Batangas (45 students)
- ◆ Rizal Province - SDO Rizal, Taytay, Rizal (43 students)
- ◆ Quezon Province - Bondoc Peninsula Agricultural National High School, Mulanay, Quezon (64 students)

The ISS staff welcomed all walk-in visitors to the e-Extension hub, and provided information requested by researchers and students from nearby State Universities and Colleges. The hub also served as learning venue for agriculture students during their On-The-Job (OJT) training at the Center. The OJT

students had been required to finish at least three e-Learning courses in their training period. A total of **104 walk-in visitors** had also been accommodated at the e-Extension hub.

The Information Services Section administered its developed e-Learning courses: Online Course on Growing Vanda and Vandaceous Orchids, Taste the Creamiest Cream Dory, Online Course on Pangasius Culture and Lika, UsapTayo: Online Course on Effective Human Communication and Relations. For 2018, these courses registered **1,055 enrollees** with **849 graduates**.

Techno Gabay Program

The ATI in CaLaBaRZon continued to carry out the goal of the Techno Gabay Program: to bring science-based information and technology services closer to end-users in agriculture, forestry and natural resources (AFNR) sectors.



The year kicked off with the Techno Gabay Program - Regional Technical Working Group Consultative Meeting last February 06, 2018 at Teofely Nature Farms, Inc., Silang, Cavite. The activity reviewed and updated the operational guidelines of the program implementation in the region. This was followed by the conduct of the Region-wide Updates on FITS Operations and Management on April 4-6, 2018 at City of Springs Resort and Hotel, Los Baños, Laguna participated by **70 FITS Managers and Information Services Specialists**.





Twenty four (24) Training Service Specialist (TSS) and Information Service Specialist (ISS) completed the Training Course on Video Documentation of Success Stories on May 21 - 25, 2018 at St. Jude Cooperative Hotel and Event Center in Tayabas City, Quezon. The participants were taught on how to document farmers' best practices and success stories from pre-production to post production

In 2018, **six FITS Centers** were established in the region, these are in General Mariano Alvarez in Cavite, Luisiana in Laguna, Calatagan in Batangas, and Patnanungan, Tayabas City and San Andres in Quezon.

There also **28 newly-appointed Magsasaka Siyentista** that will serve as extension partners of the Farmer Information and Technology Services (FITS) Center, as follows:

- Felomeno N. Cruzada, Mendez, Cavite : High Value Crops
- Willie D. Delan, Bacoor, Cavite : Rice
- Ruel E. Penalba, Indang, Cavite : Banana
- Pepito Veslenio, Alfonso, Cavite : Cacao
- Nemencio Castillo, Gen. Aguinaldo, Cavite : Black Pepper
- Gabriel A. Arubio, Gen. Aguinaldo, Cavite : Organic Farming
- Abelardo G. Malimban, Gen. Aguinaldo, Cavite : IDOFS
- Susan U. Bagsit, Nagcarlan, Laguna : Cacao
- Jose G. Osio, Lumban. Laguna : Corn
- Carlos T. Macaraeg, Lumban. Laguna : High Value Crops

- Emmanuel M. Salada, Batangas City, Batangas : Integrated Farming
- Josue M. Barcelos, Rosario, Batangas : Integrated Farming
- Raul Reus Pasia, Rosario, Batangas : Dairy Farming
- John Jun Sanchez, Tanauan City, Batangas : High Value Crops
- Rene SL Domingo, Antipolo City, Rizal : High Value Crops
- Jean M. Matias, Taytay, Rizal : High Value Crops
- Glenn F. Fortu, Baras, Rizal : Organic Rice
- Randy Donato, Tanay, Rizal : Upland Rice
- Vicente I. Verdan, Tanay, Rizal : High Value Crops
- Ernesto DP Tolentino, Pililia, Rizal : Fisheries
- Buenaventura Caperina, Alabat, Quezon : Rice
- Rudy Angulo, Alabat, Quezon : IDOFS
- Francisco D. Hugo, Alabat, Quezon : Calamansi
- Edelissa A. Ramos, Candelaria, Quezon : Integrated Farming
- Armando M. Ruel, Candelaria, Quezon : Mango
- Cristino C. Marquez, Candelaria, Quezon : Rice
- Niel S. Astrera, General Nakar, Quezon : Rice
- Maximino S. Custobrado, General Nakar, Quezon : High Value Crops

In recognition of the unending efforts and outstanding performances of our front liners in the Local Government Units, the Center collaborated with the Partner Agencies : Provincial Government of Cavite thru FITS-OPA Cavite and Cavite State University for the conduct of TGP Summit 2018 last November 21-23, 2018. With the theme, “MagsasakaSiyentista (MS): Partners in Promoting Innovative and Sustainable Agricultural Practices”, the activity was participated by more than 200 program stakeholders. The activity includes Regional Magsasaka Siyentista Association Business Meeting, Symposium on MS Best Practices and TGP awards.



This year, FITS Center Kalayaan, Laguna was hailed as the “Natatanging FITS Center” for their consistent and dedicated performance and technology promotion. Meanwhile, Mr. Danilo Noceto of FITS Magdalena, Laguna, Jr. was awarded as “Natatanging Magsasaka Siyentista” because of his exemplary accomplishments in the delivery of information and technology services in line with his field of expertise.

Also, recognition and several awards were given to FITS Centers for their outstanding performance.

- FITS Center Magdalena, Laguna
- FITS Center San Pablo City, Laguna
- FITS Center Pangil, Laguna
- FITS Center Siniloan, Laguna
- FITS Center Candelaria, Quezon

Highest Rice Crop Manager (RCM) Recommendation Provided: FITS Center Siniloan, Laguna

Most Number of Encoded Entries for FITS Information System: FITS Center Lobo, Batangas

Best Success Story Video: The Melita Severa Success Story by FITS Center Gumaca, Quezon



The newly-elected Officers of the Regional Magsasaka Siyentista Association is as follows:

Best FITS Center Accomplishments Poster:

- 1st Placer: FITS Center Antipolo, Rizal
- 2nd Placer: FITS Center Maragondon, Cavite
- 3rd Placer: FITS Center OPA Quezon

Best Product and Services Booth Exhibit: Cavite Province

Top Performing Social Media Account:

- FITS Center Pila, Laguna
- FITS Center Tanza, Cavite
- FITS Center Tanauan City, Batangas
- FITS Center Bacoor City, Cavite
- FITS Center Amadeo, Cavite

- President: Ms. Agripina Ochoa, FITS Center Magdalena, Laguna
- Vice President: Mr. Gabriel Arubio, FITS Center Gen. E. Aguinaldo, Cavite
- Secretary: Ms. Susan Bagsit, FITS Center Nagcarlan, Laguna
- Treasurer: Ms. Alodia Rey, FITS Center Catanauan, Quezon
- Auditor: Mr. Fidel Sta. Catalina, FITS Center Morong, Rizal
- Auditor: Mr. Moises Dalisay, FITS Center OCVAS Batangas City

Consultants:

- Mr. Edilberto Silan, FITS Center OPA Cavite
- Mr. Reden Costales, FITS Center OPA Laguna
- Mr. Ruderico Unas, FITS Center Maragondon
- Mr. Estelito Reyes, FITS Center San Pablo City

The new officers will serve for three years from 2018.

School on the Air (SOA)

Recognizing the power of radio in reaching out to more people at the same time and disseminating Package of Technologies using participatory approaches, the Center successfully completed **3 Schools on the Air (SOA)** for FY 2018.

School on the Air on Livestock Program: Radyo Eskwela sa Pag-aalaga ng Baboy

In collaboration with Cavite State University, Provincial Government of Cavite through the Office of the Provincial Veterinarian, and the Local Government Units (LGUs) of Cavite concluded the School-on-the-Air (SOA) dubbed Radyo Eskwelasa Pag-aalaga ng Baboy last October 24, 2018. The SOA aired over 702 DZAS AM from June 25 –September 24, 2018. After 14 weeks of airing, a total of **623 participants** from various municipalities and cities in Cavite and agriculture students of Cavite State University successfully completed the program.

School on the Air (SOA) focused on Organic Agriculture, Usapang OA: Radyo Eskwela ukol sa IDOFS

It was concluded last November 7, 2018 at the Cultural Center of Laguna. As one of ATI's distance learning on a complete Package of Technology (POT), the program achieved its objective to disseminate information on diversified farming system on Organic Agriculture, and serve as a tool for agricultural extension. Learners were given a complete module from the OA programs of the province and ATI Region IV-A, soil fertility management, up to the loan programs offered by DA-ACPC.

To complement the aired lessons, a demonstration contest on Organic Plant Supplement preparation was held before the ceremony. Three participants per LGU competed for the "Best Concoction Preparation" awards, demonstrating FFJ, FPJ, FAA and IMO production. The winning teams were judged based on completeness of PPE (Personal Protective Equipment), accuracy of measurements, overall group dynamics and labelling of prepared Concoction/Plant Supplement. Contestants from Calauan, Laguna bagged the 1st prize, Liliw, Laguna, came in at second place, while Majayjay and Nagcarlan were tied at 3rd place.

The SOA produced **563 graduates** from the municipality/city of Calamba, Calauan, Cavinti, Liliw, Luisiana, Lumban, Magdalena, Majayjay, Nagcarlan, Pila, San Pablo City, and Sta. Cruz. The program aired



over 106.3FM Radyo Natin Laguna from July 11 to October 10, 2018 at 12:00nn-1:00 pm

SOA focused on High Value Crops, Unlad Saka: Isang Radyo Eskwela para sa Bondoc Peninsula

More than the expected graduates, a total of **584 graduates** from the 12 municipalities of Bondoc Peninsula in Quezon province marched with pride during the graduation ceremony of Unlad Saka. Guests from Office of the Provincial Agriculturist – Quezon, Department of Agriculture Regional Field Office (DA RFO) IV-A and local government of respective municipality showed strong support as the participants received their certificate of training.

Unlad Saka: Isang Radyo Eskwela para sa Bondoc Peninsula aired over Radyo Natin BonPen 102.5 FM from July 13, 2018 to October 12, 2018, Friday, 12:00 nn – 1:00 pm. Twenty two (22) lessons with focused on cacao, calamansi, yam and banana were discussed in the 14 weeks airing of the program.

To provide a more productive and interactive learning, the Center in partnership with the Office of the Provincial Agriculturist (OPA) – Quezon initiated the Meet & Greet session with the learners of School on Air (SOA) on High Value Crops (HVC). The one-day activity gathered students and listeners from each participating municipality, San Andres, Macalelon and Buenavista, Quezon. Radio teachers from previous airing delivered their lecture and responded to the learner's queries. Review sessions were also conducted using interactive fun games while farm inputs were provided by DA RFO and OPA Quezon such as fertilizers, seeds, seedlings and farm implements. The session concluded with all the participants listening to the live airing of the program. A total of 178 learners participated in the said activity.



de Palsabangon Farm, Park & Restaurant in Pagbilao in Quezon province. The participants toured around the farms and learned farm operations from the cooperators including feeds formulation. The workshop on integrating the OA Curriculum to K to 12 Basic Education Curriculum was part of the activity.



Rice Crop Manager (RCM)

RCM is an application that could be accessed via a smartphone or a computer with Internet connection. It allows extension officers to give farmers a specific recommendation on nutrient, pest, weed, or water management, depending on the farmer's specific variety used, his yield from the previous season, and the site-specific conditions of the field. Through improved crop and nutrient management, RCM aims to add 300kg of unmilled rice to each crop per season, per hectare.

To further strengthen the RCM implementation, **6 FITS Centers** with rice as focus commodity were capacitated under the RCM FITS Enhancement initiative. Additional unit of laptop, two tablets, pocket wi-fi and printer were given to the FITS Centers as follows: FITS Teresa, Rizal; FITS Lucena City; FITS Tanza, Cavite; FITS Tanay, Rizal, FITS Siniloan, Laguna and FITS Pangil, Laguna.

The Center led the Enriching Rice Farming Productivity and Profitability: Rice Crop Manager (RCM) Briefings. There were **six (6) batches** conducted with a total of **279 farmers** served. Together with Department of Agriculture and Local Government Units, the region were able to produce **12,872 field recommendations** for the year 2018.

The participants were divided into four groups: grades 4 – 6 (elementary), grades 7 & 8, and grades 11 & 12 (senior high school) for ACP NC I and NC II. Afterwards, each group presented outputs relating to the integration of OA in their curriculum.

Other ISS Activities

OA Curriculum Integration

Since 2013, ATI Region IV-A has been promoting organic agriculture to the youth, in collaboration with State Universities and Colleges. In 2018, the activity collaborated with the Department of Education for the K12 agriculture tracts. The three-day activity commenced with field visits to three learning sites of ATI CaLaBaRZon under the OA program, the Uma Verde Eco Nature Farm in Candelaria; Ka Mulong's Farm in Sariaya; and Cortijo

Information Services Staff Development

Technical staff from the section attended various capability development activities such as Knowledge Management Updates, eLearning Conference, Website Development BootCamp, Advance Photography and Rice Crop Manager Services Updates and Planning Workshops.

In addition, RTC IV-A ISS Chief, Dr. Rolando V. Maningas served as one of the Board of Trustees in the Philippine eLearning Society that will end in 2019.



Theme 2: Strengthening Competitiveness and Capacities of the AF Sector

Capacitating the stakeholders and organized groups at various levels (farmers, fishers, extension workers, subject matter specialists, experts, extension managers, etc.) with knowledge, training, education and provision of advisory services on agriculture and fisheries is the main function of the Institute through its various programs.

The Center continued to strengthen the core competencies of Agricultural Extension Workers (AEWs), farmers and fisherfolks, SUCs and other stakeholders in the Agriculture and Fishery sector through capability-building activities. In 2018, the Center conducted a total of 187 trainings and other activities with 5,755 individuals served within the region.



elevating them into School for Practical Agriculture. Twenty-two Farmers' Information and Technology Services (FITS) Centers were also established and enhanced.

4H Program

The Center continues to develop and strengthen the capacities of the region's youth sector by facilitating 10 activities that served 269 individuals. Activities under the 4H Program include Sensing Journey to IP Community, Adopt a 4H, Training on Organic Agriculture for 4H Members, Glamourizing Farming Through Urban Agriculture which tapped 21 High Schools in the region, Training on Food Processing for 4H Club, Retooling Course for 4H Coordinators, and the Regional Farm Youth Camp. Two Regional winners gathered awards during the National Level. Ms. Joe Marie Sanchez from Dasmariñas, Cavite won the 2nd place on the Quiz Bee and Ms. Emmarie Mamaclay of Indang, Cavite got the 3rd place for the Mushroom Processing and Packaging Contest on the said event.

Regular Program

This year, the Center conducted a total of 92 activities and served 3,000 individuals under the Regular Program. These activities included Proposal-Based Training for Senior Citizens and Differently-abled Persons, Training on Project Planning and Development, Training of Trainers on Farm Business Planning, Farm Business Planning for Farmer Level, and BOSES - film-showing to disseminate information regarding Gender and Development and Violence Against Women and Children. Also included in the Regular Program, out of the 92 activities were 59 batches of Proposal-Based Activities that was awarded to various Local Government Units, Non-Government Organizations, farmer Associations, National Government Agencies, Learning Sites for Agriculture, Schools for Practical Agriculture and Extension Service Providers, all of which are ATI partners in providing extension services in the agriculture sector.

The Center also established 10 Learning Sites for Agriculture and assisted 10 existing LSA's by



Corn Program

The main goal of the Department of Agriculture National Corn Program is to increase the productivity and production of quality corn for human consumption, feeds and industrial uses as well as help farmers in increasing their income and quality of life. In support to this, Agricultural Training Institute Region IV-A continued to strengthen and capacitate its stakeholders by conducting 16 activities with 392 individuals served. The activities include Training Course on Good Agricultural Practices for Corn, Training Course on Corn Production, Seed Growers Training on Open Pollinated Corn and Legumes, Farmer-Scientists Training Program, and Season-Long Training of Trainers on Integrated Crop Management for Corn with its Technology Demonstration site and Farmers Field School for Corn Production located in Calamba City, Laguna.



Rural-Based Organizations Program

To answer the needs of the regions' other stakeholders in the local community, the Center conducted 4 activities with a total reach of 90 individuals through its Rural-Based Organizations Program. It aims to provide additional livelihood opportunities for the local organizations and associations in the farming communities. The activities included Training on Establishing Climate-Resilient Livelihood Projects, Processing of Local Food Services, Training on Stingless Bee Production, Skills Training on Mushroom Production and Processing, Leadership Training and Strengthening Youth Leaders' Entrepreneurial and Networking Capacity, and Farm Family Modelling, a program of the Institute that focused on enhancing the skills and knowledge of the farm family beneficiary through various trainings, livelihood technologies and other extension support.



Organic Agriculture Program

To continue promoting the production and consumption of chemical-free and naturally produced food, the Center through its Organic Agriculture Program conducted a total of 12 activities and served 441 individuals. These activities include Training on Organic Agriculture Updates for Agricultural Extension Workers, Organic Agriculture Competency Training with TESDA NC 2 for Organic Agriculture Production, Training on Internal Control System for Smallholder Groups, Appreciation Course on OA for Agricators, Farmers' Field School on Integrated Diversified Organic Farming System (IDOFS), and Financial Literacy Training.

Livestock Program

The Livestock Program had 30 activities that served a total of 808 stakeholders. The activities included Training on Livestock Production for Women (with GAD component), Training on Apiculture, Training on Animal Health Care and Management for Barangay Animal Health Workers, Training on Livestock and Poultry Production with Emphasis on Climate Change Adaptation and Mitigation, and Farmers' Field School for Sustainable Pig Farming.

This year, the program also established 5 Learning Sites for Agriculture focused on Livestock in the municipalities of Cavite, Laguna, Batangas and Quezon provinces



Rice Program

To continue gearing towards the increase in rice productivity and income of rice farmers, the Center, through its Rice Program, conducted 9 activities and reached 291 stakeholders. The activities under this program included Specialized Training Course on Rice Production for Local Farmer Technicians, Refresher Course on Rice Technology Updates and Hybrid Rice Production for Local Farmer Technicians, Refresher Course on Rice Technology Updates and Product Stewardship Trainings for Agricultural Extension Workers, Financial Literacy Trainings, and Training Course on Mechanization of Rice Crop Establishment.



Development Program and conducted an Information Caravan on High Value Crops.

National Certificate Competencies

As part of the target for strengthening the competitiveness for our stakeholders, various trainings were conducted by the Center with the aim of attaining the TESDA National Certificate Competency. This year, 3 batches of Organic Agriculture Competency Training were conducted that fostered 76 AEWs and 1 ATI staff passers of the Organic Agriculture Production NC II. Likewise, all the 130 youth beneficiaries of Kabataang De Kalibre and 10 4H member-beneficiaries of Adopt-A-4H also passed the said competency examination. Similarly, 22 AEWs and 2 Teachers achieved the Agricultural Crops Production NC III through the help of the Agricultural Crops Production Competency Training under the Center's Rice Program.



High Value Crops Development Program

The High Value Crops Development (HVCD) Program as one of the banner programs of the Department of Agriculture continues to provide farmers with livelihood opportunities through production, processing and market of high value crops. The Center contributed to the goals of the program with a total of 14 trainings that included Training of Trainers on Pests and Diseases Diagnosis and Management for High Value Crops, Training of Trainers on Mechanization and Postharvest for Cacao, Training Course on Production and Processing of Soybean, Ginger and Turmeric, Farmers' Field Schools on Good Agricultural Practices, and Financial Literacy Trainings. The program reached a total of 464 individuals.

This year, the Center also established 5 Learning Sites for Agriculture under the High Value Crops



Theme 3: Expanding Partnerships in Advancing Excellence in AFE Delivery

The programs under Thematic Goal 3 support the initiatives of extension agencies to forge linkages with other agencies from collaborative undertakings.

Through the years, the Center continued to support the development of farms that can aid in promotion of extension services and serve as hands-on learning and demonstration area in communities. The growing industry of agritourism in the region also paved the way for the establishment of **Learning Sites** this year:



1. We Lead Integrated Natural (WIN) Farm (Mariel B. Guban, Brgy. Taywanak Ilaya, Alfonso, Cavite)
2. AISPORA Workers Association (Shirley V. Yorong, Brgy. Malainen Bago, Naic, Cavite)
3. Happi Farm (HFLFJAG Corp) (Fred Allan R. Penales, Brgy. Suba, Majayjay, Laguna)
4. AGB Orchard Farm (Albert G. Blancaflor, Brgy. I, Bontog, Mataas Na Kahoy, Batangas)
5. VOHO Eco-Tourism Farm (Pablito M. Villegas, Brgy. San Pedro I, Malvar, Batangas)
6. Quality Lifelong Learning Institute Inc. (Edna V. Bacarra, Sitio Yapak, Brgy. Lagundi, Morong, Rizal)
7. Lukong Valley Farms Agriventures, Inc. (Orlan A. Calayag, Brgy. Pinagdanlayan, Dolores, Quezon)
8. Yumi's Farm (Alicia A. Valdoria, Brgy. Ilayang Bukal, Tayabas, Quezon)
9. Woodburn Garden and Farm (Pilar B. Garcia, Brgy. Paiisa, Tiaong, Quezon)
10. FARMSHARE PRIME (John Paul del Rosario, Brgy. Duhat, Cavinti, Laguna)
11. Luciano's Nature Farm (Nelson D.R. Luciano II, Brgy. Balian, Pangil, Laguna)
12. Graco Farms and Leisure Inc. (Ma. Esperanza R. Evangelista, Brgy. Clara Sur, Pila, Laguna)
13. Cordoves Integrated Educational and Leisure Farm (Noman John G. Cordoves, Brgy. Ilayang Palina, Liliw, Laguna)
14. DV Boer Farm International Corp. (Soliman A. Villamin, Jr., Brgy. Balibago, Lian, Batangas)
15. Glinoga Organic Farm (Nenieveh F. Glinoga, Brgy. Payte, Pitogo, Quezon)
16. The Weekend Farmer (Socorro Pinky C. Peralta, Brgy. Kaysuyo, Alfonso, Cavite)
17. Gintong Bukid Farm and Leisure (Jhudie Arianne J. Arcasetas, Brgy. Buboy, Nagcarlan, Laguna)
18. CF4RM - Centro Filipino for Returning Migrants (Paulita Marina Astillero, Amuntay II, Brgy. Zone 3, Dasmariñas, Cavite)
19. RURAL IMPROVEMENT CLUB Brgy. San Cristobal, Calamba City (Wilma M. Malaborbor, Brgy. San Cristobal, Calamba City, Laguna)
20. Ino's Farm (Paulino H. Sulibit, Brgy. Ibabang Palina, Liliw, Laguna)
21. Oyayi Farm and Resort (Anacleto R. Contreras, Sitio Suba, Brgy. Castanas, Sariaya, Quezon)
22. Farmers Training Center - Technology Demonstration Farm (Cavite State University, Brgy. Bancod, Indang, Cavite)
23. Munting Ilog NHS - Integrated Farm (Munting Ilog, National High School, Brgy. Munting Ilog, Silang Cavite)
24. Tala National High School (Tala National High School, Brgy. Munting Indang, Nasugbu, Batangas)

Schools for Practical Agriculture (SPA)

SPA serves as the "school" for hands-on training and farm-owner would be the "teacher" and community extension worker serving other farmers or would-be farmers. It is a community-based, levelled-up learning site in the community that serves as training venue to complement the classroom teachings of ATI and other partner institutions. These two learning sites were developed to become SPA in 2018:

1. Chad's Nature Farm (Aida C. Briones, Brgy. Kinalaglagan, Mataas na Kahoy, Batangas)
2. Mendez Organic Farm (Liberato DV Perez Brgy. Banayad, Mendez, Cavite)



Continuing Schools for Practical Agriculture

1. Morningside Farms (Ruy Valente Polistico, Brgy. Pangil, Amadeo, Cavite)
2. Cortijo de Palsabangon (Ayrin M. Llorin, Brgy. Ibabang Palsabangon, Pagbilao,, Quezon)
3. Ka Mulong's Farm (Romulo B. Ayag, Brgy. Pili, Sariaya, Quezon)

Extension Service Provider (ESP)

Under the Department Administrative Order No. 22, S. 2008, ATI is mandated to accredit private extension service providers (ESPs) to harness the resources and expertise of the private sectors. ATI RTC in CALABARZON evaluated and accredited *Flors Garden and Nature Haven Inc.*, and *Ed Tarriela Learning Center and Farm Inc.*, managed by Florencia G. Tarriela at Sitio Tanza II, Brgy. San Jose, Antipolo



City, Rizal. As an ESP, it can now provide training and extension services for farmers, fishers and other stakeholders, bounded by mutually agreed terms and conditions.

Theme 4: Scaling-up AFE Innovations

The programs and projects under Thematic Goal 4 provide for the development of new extension modalities, methodologies and approaches that are fit to the changing extension contexts. After proven effective through piloting, these will be institutionalized and become regular extension interventions.

Search for Batang OA

Emerging from the success of the three-year implementation of *Kabataang OA (Organic Agriculture)* intended for Agriculture college students, ATI CALABARZON collaborated with the Department of Education (DepEd) IV-A to bring this activity to the K-12 curriculum, particularly senior high school.

Search for *Batang OA* is an agricultural quiz bee contest for senior high school students in the region. It aims to entice and expose the students early on to agriculture and OA concepts and help boost enrolment in agriculture-related courses.

The quiz bee covered topics on legal aspects of agriculture, Integrated Diversified Organic Farming System (IDOFS), crops and livestock production, Philippine National Standards on OA and current events. On September 29, 2018, Ms. Leovylyn Embradura from Gulang-Gulang National High School - Ibabang Talim Extension emerged as the first *Batang OA* among 49 contestants from 23 participating schools in Cavite, Laguna, Batangas and Quezon.

The Center believes that increased access to education and new forms of agriculture-based enterprises are vital tools for youth involvement in family farming and longevity of the agriculture sector in the communities and in the country.

e-Learning on Agriculture and Fisheries for K-12 Tracks

ATI's *e-Learning* program on Agriculture and Fisheries has been serving Agricultural Extension Workers (AEWs), farming enthusiasts, college students and other stakeholders since December 2007. With 60,000 registered users and 39,000 graduates, e-Learning courses are now being offered through mobile learning. Some courses such as Climate Change, Food Safety and Product Costing can now be accessed on mobile devices and tablets.

The Center has consistently initiated programs and strategies that target awareness on agricultural projects among the youth. With latest developments



in the said program coupled with the intent to cultivate the interest of senior high school students in agriculture-related courses, ATI CALABARZON introduced it to K-12 TVL-Agriculture track.

The Center collaborated with DepEd Regional Office to identify schools with TVL-Agriculture tracks. Five batches (one per province) of e-Learning briefings were conducted by the ISS team, with more than 250 coordinators and student-attendees. The briefing involved lectures on the e-Extension and e-Learning program, and demonstration on enrolling and finishing the course.





Agri-Buhay Project

ATI supports the realization of the 25-year long-term collective vision of Filipinos entitled, *AmBisyon Natin 2040*. One of which is the reduction of poverty incidence from 21.6 percent in 2015 to 14.0 percent by 2022. Although the poverty incidence among households in CALABARZON declined in 2015, it is noteworthy to consider that 1 out of 10 families in the region had lower income than the poverty threshold. The Center took its part in supporting the farmers and fisher folks in the 5th class municipalities in the region through the *Agri-Buhay* project.

Agri-Buhay was coined from the term, *BUHAY*, pertaining to Agriculture as the *life* and major source of income (*Hanap-buhay*) in the 5th class municipalities. This innovative project provides a holistic approach in uplifting the standard living of farmers as beneficiaries of the project. It has three components: 1.) Training on Farm Business School, an extension modality designed to help farmers learn and improve their knowledge and skills in entrepreneurship and farm business management; 2.) Package of Applicable Technology (PoT) e.g. Training on IDOFS, a nutrient recycling system that has distinct components designed to maximize one another; and 3.) extension support related to the POT they attended.

195 farmers from the municipalities of Gen. Emilio Aguinaldo, Cavite; Famy, Mabitac, Rizal, and Pakil in Laguna; Balete, and San Nicolas; Agdangan, Alabat, Patnanungan, Perez, Plaridel, Quezon, Sampaloc in Quezon benefitted from the project which ran in June, July and September.



HiLING Program

Since its conception in 2016, the HiLING program has changed the lives of farm family beneficiaries coming from selected 4th and 5th class municipalities in the region. HiLING stands for High-impact, Location-specific, Institution-centered, Need-based, and Goal-directed. The project empowers and improves the quality of life of farm families through high impact interventions that are fit to their needs and resources in the community. A farm family is composed of the father as the farmer, mother as potential RIC member, youth as potential 4H member, and a younger sibling aged 4-7 years old.

On its third year, the program made its way to Maragondon, Cavite and Sariaya, Quezon. The Maragondon group composed of 12 farm families completed the training on Farm Business School and FFS on Organic Agriculture, Gender and Development, Early Child Care and Development, Disaster Risk Reduction and Management, and Seminar on Mushroom Production. As extension support, they received over 30 mushroom fruiting bags (per family), farm implements and inputs for FFS (fathers), grooming kits and gift packages (kids), herbal plants, casserole, frying pans (mothers) and accident insurance from the Philippine Red Cross (fathers and youth).

The Sariaya batch composed of nine farm families underwent the same trainings but focused on Climate Smart FBS and Palayamanan for their FFS. They received starter kits such as native goats, swine breeder, piglets, and materials for housing and feeds.

The progression of HiLING program is a result of the sustainable approach of the project, and collaboration among the local government units, partner Learning Sites/Extension Service Provider and SUCs. The last piloting is targeted in one municipality in Batangas province for 2019, to cover all the provinces in Region IV-A.



The six-day trainings of KDK program were carried out at ATI CALABARZON accredited Learning Sites and TESDA Farm Schools. 130 out of the 135 graduates of the program passed the NCII competency.

Regional Conference on Climate Change for Agriculture and Fisheries

The government enacted the Republic Act No. 9729 in 2009 to mainstream climate change into government policy formulations and establish the

framework strategy and program on climate change. The law highlights the role of Local Government Units (LGUs) in agricultural development and delivery of support and extension services. They are in the best position to identify, develop and implement interventions that will address their localities' need and agro climatic conditions.

The Center consistently capacitates its partners in the LGU with climate mitigation and adaptation measures and Climate-Resilient Agriculture (CRA) practices. This year, the ATI CALABARZON hosted the first Regional Conference on Climate Change for Agriculture and Fisheries, with the theme: *Transforming Climate Risks to Agriculture and Fishery Opportunities in CaLaBaRZon: An Extension Strategy towards Regional Climate Change Resiliency.*

The Center partnered with the International Institute for Rural Reconstruction (IIRR) to showcase several adaptation and mitigation strategies using plenary and breakout sessions. The discussions revolved around topics on: 1) IIRR: Social Learning Process to Facilitate Community Adaptations; 2) IIRR: Leveraging the Nutrition Contributions to Agriculture; 3) The Role of Small Holder Farms in Climate Change adaptation; and 4) Adaptation planning process for Agricultural sector.

Several exhibitors including PhilRice-Los Baños, DELFA'S, CAFFMACO, Genti Dairy Milk, Café Amadeo, IIRR and district schools in Department of Education (DepEd) Imus also showcased their products and services for the attendees.

Kabataang De Kalibre (Rural Youth Development Program)

The agriculture sector is challenged by the declining workforce, with the aging farmers now at an average of 57 years old. Government programs are thereby focused on empowering rural youth as a rich human resource in the agriculture sector. ATI CALABARZON aims to assist in-school and out of school youth through capacity building activities to become more competitive.

Particularly, *Kabataang De Kalibre*, another flagship program of the Center, moulds the farm youth to become competent agripreneurs with positive attitude toward farming as a lucrative career. ATI CALABARZON led a six-day rigorous training with one-day built-in TESDA National Competency Assessment on Organic Agriculture/Animal Production for 135 potential 4H Club members. To qualify, one must be: 1) willing to be trained for 6 days and take the TESDA NCII competency examination on the 7th day; 2) 15-25 years old; 3) an out of school youth/ young farmer/Senior High School student enrolled in TVL Track/Curriculum; and 4) committed to apply his/her acquired competency by developing a small farm using the extension support provided to them.



ETMCD (Extension and Training Management Capability Development Course)



Setting a standard in carrying out training and extension activities, ATI CALABARZON takes pride in piloting the ETMCD course for RAFEN (Regional Agriculture and Fishery Extension Network) members and partners.

ETMCD is a three-phase journey that seeks to provide the participants with a common orientation and skills in conducting training course, thus coming up with performance standards. Phases 1 & 2 combine theories and practices in personal orientation, multiple intelligence assessment, extension, training cycle, adult learning, community organizing, and micro teaching. The immersion completes the third phase of the journey, where participants live together with a host family for five days to generate the barangay profile,

existing cultural farming practices using PRRA tools, and community organizing approaches. The participants will validate the generated data to the community to identify the needs that can be addressed by training and extension.

Two batches of ETMCD were completed, producing 52 competent extension agents from LGUs and National Agencies, Learning Sites, Office of the Provincial Agriculturist and Provincial Veterinarian and new regular ATI IV-A staff.

Pilot School-Based FFS on Sustainable Pig Farming

Another first, under the Livestock Program is the 4S (Scientific and Sustainable Swine Farming in School), a school-based Farmers' Field School (FFS) on Sustainable Pig Farming (SPF). The FFS-SPF module was incorporated in the existing curriculum of the school under the Organic Agriculture Program, specifically in "Raising Organic Pigs" module. The Provincial Veterinary of Laguna staff facilitated the lecture sessions which ran from 8:00 in the morning until 12:00 noon every Wednesdays from July-November. The rest of the week was devoted to regular monitoring of the native pigs.



Thirty-nine senior high school students of Governor Felicisimo T. San Luis Agro-Industrial Integrated High School in Siniloan Laguna who are taking up Agricultural fishery Arts Strand track completed the discovery-based learning journey of the 16-week FFS. They also took a National Competency examination on December 5-21 at Costales Nature Farms in Majayjay, Laguna.

During the program culmination last November 21, the group made a record for having one of the heaviest final weights at 113 kilograms.

Theme 5: Strengthening AFE Stakeholders Capacity in Climate Change Adaptation and Readiness

The programs under Thematic Goal 5 specifically addresses the extension needs of stakeholders who are affected by the adverse impacts of climate change in order to develop their capacity to withstand or adapt to such unwholesome conditions.

For 2018, the Center continued to implement activities that suit the needs of our clients with regard to climate change impacts on agriculture and fisheries.

Climate Change Information Drives

In order to provide massive information on the adaptation and mitigation strategies for climate change, the Center partnered with the Office of the Provincial Agriculturist of Laguna in the conduct of Information Caravan on Climate Change Mitigation. The caravan is moving within the four district of Laguna Province from June 5 to 29, 2018. The activity includes lectures about CCM and other relevant topics that can raise awareness on the impacts of climate change to agriculture and fisheries. The caravan was attended by **125 farmers and fisherfolks**.



Climate Information Systems (CIS)

To ensure that the strategies and plans in the implementation of climate action programs and activities are efficient, effective, and responsive to the Institute's beneficiaries there is a need to have a Climate Information System (CIS). CIS through the knowledge management (KM) and information communication technology (ICT) would complement the capability building and it will strengthen the entire efforts of Climate Action.

For 2018, the center conducted a three-day Training

Course on Climate Information Systems in Support to Techno Gabay Program Implementers. As an output, the participants crafted strategies and plan for the implementation of CIS such as dissemination of Information, Education, and Communication (IEC) materials on climate-related information and technology especially on climate change adaptation and risk management on their respective areas.

A total of **59 participants** attended the said training, which was held on June 6-8, 2018 at Splash Mountain Resort and Hotel, Los Baños, Laguna.



To further strengthen the delivery of climate information to end-users, **eight (8) pilot FITS Centers** were enhanced by installing the CIS with the provision of ICT equipment necessary for the services namely: FITS Mendez, Cavite; FITS Pagsanjan, Laguna; FITS OCVAS, Batangas City; FITS Pililia, Rizal; FITS Gumaca, Quezon; FITS Naic, Cavite; FITS Nagcarlan, Laguna and FITS General Nakar, Quezon.

Recognizing the need for the Magsasaka Siyentista to become more proactive in adaptation and mitigation initiatives in agriculture, the center conducted a three-day capability training course entitled "Magsasaka Siyentista (MS) on the Road: An On-Site Learning on Climate Change Adaptation and Mitigation Initiatives in Agriculture" for the 14 MS last September 19-21, 2018 in Region III.

These MS will be establishing their climate change resilient technologies demonstration as follows:

- Edilberto R. Silan (MS-FITS OPA Cavite) : Establishment of Tunnel Type Polyethylene Plastic House for the Culture of African Night Crawler and Production of Vermicast/compost
- Allan M. Tibayan (MS-FITS Naic, Cavite) : Technology Demonstration on Zero-Tillage Practice on Cucumber Production and New Varieties Appropriate to Local Conditions with the Use of Alternate Wetting and Drying
- Noel S. Bautista (MS-FITS Imus, Cavite) : Technology Demonstration of New Variety (Registered) Adapted to Locality and Use of Observation Well
- Maura C. Ilagan (MS-FITS OPA Laguna) : Technology Demonstration on Drought and Submergence Rice Varieties
- Joel A. Abrico (MS-FITS Kalayaan, Laguna) : Technology Demonstration on Sustainable Pig Farming using Organic Feed Mix with Organic Vegetable Production
- Leovino A. Galleros (MS-FITS Pakil, Laguna) : Organic Sitao Production
- Agripina R. Ochoa (MS-FITS Magdalena, Laguna) : Rainwater Management and Soil Conservation
- Alfredo M. Corral (MS-FITS Cavinti, Laguna) : Establishment of Vermi Composting and Organic Concoctions Facilities
- Estelito M. Reyes (MS-FITS San Pablo City) : Provision of Rain Shelter and Vermi Bed
- Victoriano P. Gamboa (MS-FITS OPA Batangas) : Organic Rice Production
- Moises C. Dalisay (MS-FITS OCVAS) : Improvised Biogas-Filled Heating System for Piglets
- Fidel D. Sta. Catalina (MS-Morong, Rizal) : Technology Demonstration on Organic Rice, Ampalaya and Eggplant Production
- Nelson P. Hernandez (MS-FITS Antipolo City) : Sustainable Pig Farming
- Melita D. Severa (MS-FITS Gumaca, Quezon) : Enhancement of Vegetable Productivity in Changing Climate using Rain Sheltered Growing System

Climate Smart Farm Business School (CSFBS)

ATI-RTC IV-A conducted the Regional Training of Trainers on Climate Smart Farm Business School (CSFBS) for Local Farmer Technicians (LFT). The training was held on July 16-25, 2018 at Arisabel Clubhouse, Los Baños, Laguna.

The participants of this training were **26 LFTs** of CaLaBaRZon. The CSFBS training generally aims to create new thinking, new ways of upgrading farmers' awareness, understanding, and learning to adapt not only changing climate but also reorient their families' ecological and farm resources into economic units that will enable them to acquire knowledge on business farming. The shift to a market-oriented farming will enable them to learn proper matching and selection of farm supplies to reduce crop damages and packaging of fresh and finished farm products acceptable to the market and safe finished farm products acceptable to the market and safe consumption standards in the local and global markets.





CSFBS Farmer Level

In collaboration with the Municipal Agriculturist Office (MAO) of participating municipality, the Center conducted **six (6) batches** of CSFBS Farmer Level in Calamba City in Laguna; Tayabas City and Lucban in Quezon; Nasugbu, Lobo and Calatagan in Batangas. The module intended for the farmers covers 26 weeks sessions with 2-day intensive training on crop technology and agri-marketing. A total of **208 farmers** graduated from the activity.

Expanding Climate Resilient Agriculture Livelihoods

In 2017, the Agricultural Training Institute Region IV-A established its pilot site in Barangay Magsikap, General Nakar, Quezon Province. For this year, the center identified a vulnerable site in the province of Batangas to be its project area in the development and provision of climate-smart resilient agriculture and livelihood.

The establishment of a Climate Resilient Agriculture Community addresses to assist municipality and key partners to understand and respond to risks and opportunities presented by future climatic changes and extreme weather events. With this modelling, the identified community will be supported and capacitated to prepare for climate change vulnerabilities. As such, several preliminary activities were conducted to fully maximize the learning potentials of the project.

- ◆ **Ground Truthing:** the activity covers validation of the climate risks and hazards generated from the AMIA risks map as well as secondary data from the identified community. They served as baseline information

for the selection of the recipients of the project. It was conducted last March 7-9, 2018 participated by 17 municipalities of Batangas province. After the workshop, three municipalities were identified as a result of the vulnerability assessment and analysis. Field visit and data gathering was conducted in the municipality of Malvar, Balete and Calatagan.

- ◆ **Convergence Initiatives:** a consultative workshop was conducted for the stakeholders and partner institutions that will collaborate in the project. Each collaborating institution set targets and commitments in support to the establishment of the climate resilient community. It was held last March 27-28, 2018 in Calatagan, Batangas. The participants came from the community and LGUs as well as representatives from OPA Batangas and DA RFO. Identification of problems and issues were conducted with corresponding plan of action. The outputs were presented to LGU executives and DA-RFO IVA for possible collaborations.
- ◆ **Climate Risks and Vulnerability Assessment:** CRVA is a methodology of learning rural life and their environment from the people. Hence, stakeholders must have full capacity on conducting CRVA because it aims to enable local communities to conduct their own analysis and to plan and take action. The CRVA was conducted last April 10-13, 2018 participated by the team created from the convergence workshop, attended by DA RFO, OPA Batangas, LGU Calatagan and Barangay Balitoc representatives. Identification of the risks and hazards were done to different areas and plan of actions were considered. Appropriate livelihood projects were initially identified based on the data gathered during the activity.



- ◆ Workshop on Project Planning and Development in Support to CRA Community: On its expansion year, the project was implemented in Sitio Layon, Barangay Balitoc, Calatagan, Batangas. With its prone exposure to impacts to agriculture and fisheries, openness and cooperation are the two major requirements in climate change adaptation strategies. The activity involved other pillars of extension in the provision of climate smart livelihood to the community to ensure a parallel strategy on its implementation towards the project sustainability. The activity was conducted last May 8-10, 2018 where the livelihood project were finalized.
- ◆ Climate Resilient Livelihood Kits: The provision will strictly adhere to the guidelines set by the technical working team. The following livelihood projects were identified:



- i. Sustainable Pig Farming : manure management and reduction in methane emissions
- ii. Integrated Diversified Organic Farming : reduction of chemical inputs
- iii. Resilient Fishing Practices : use of renewable resources and disaster preparedness

The KKK or "Kabalikat sa Kahandaan" or the establishment of a Climate Resilient Agriculture community was held on August 24, 2018 at Barangay Balitoc, Calatagan Batangas. Among the LGU officials who graced the event were Mayor Oliver Peter Palacio, APCO-Batangas Mr. Fidel Libao, Provincial Agriculturist, Mr. Pablito Balantac and ATI Region IV-A Center Director, Ms. Marites P. Cosico. The event involved the recognition of the newly-formed organization of the community, BFFA, and MOA signing of the project.

- ◆ Strengthening Community Resiliency through Organizational Development and Values Re-Orientation - June 20-22, 2018
- ◆ Training on Climate Change Adaptation and Disaster Risk reduction in Agriculture – July 17-19, 2018
- ◆ Integrated Diversified Organic Farming Systems for CRA Community – August 7-10, 2018
- ◆ Farmer Field School on Sustainable Pig Farming
- ◆ Climate Smart Farm Business School

Climate Resilient Technology trainings were conducted in partnership with the Local Government Unit to support the identified livelihood projects such as:





The list of farm family beneficiaries for each livelihood project is as follows:

A. Sustainable Pig Farming

- | | |
|------------------------|-------------------------|
| 1. Marietta Banaag | 9. Mary Ann Salao |
| 2. Ma. Theresa Dino | 10. Teodoro Rara |
| 3. Ma. Lourdes General | 11. Wilfredo Ungria |
| 4. Miguel Austria | 12. Juanito Dino |
| 5. Roberto Dimailig | 13. Micca Elaiza Regala |
| 6. Roger Fernandez | 14. Elmer Dimaala |
| 7. Sherlian Fernandez | 15. Wilfredo Fernandez |
| 8. Zyra Deleganzo | |



C. Resilient Fishing Practices

1. Joan Fernandez	6. Rowena Salaguit
2. Leonilo Villaruz	7. Marivic Villaruz
3. Joeman Descallar	8. Marcelo Fernan
4. Ma. Theresa Fernandez	9. Ma. Cecilia Molina
5. Edwin del Rosario	

B. Integrated Diversified Organic Farming

- | | |
|-------------------|--------------------|
| 1. Rodolfo Perey | 4. Renato Afable |
| 2. Sheryll Lundag | 5. Paz Lopez |
| 3. Ofelia Gatdula | 6. Yveth Fernandez |





Other Climate Change Initiatives

Orientation Workshop on the Development of Local Climate Change Action Plan (LCCAP) in Support to CRA Pilot Project

To facilitate the formulation of the LCCAP, a three-day orientation workshop was conducted for General Nakar as the pilot municipality for the CRA project. The activity guided the LGU technical working group in generating exposure database and analysing the municipality's vulnerability and risks to climate change. The workshop was conducted last May 16-18, 2018 in Los Banos, Laguna attended by **25 LGU executives** led by Mayor Eliseo Rozul, Sr.

introduced and adapted by farmers in order for them to harvest agricultural commodity with high quality and not chemically laced during postharvest handling and marketing. The activity was conducted last August 15-17, 2018 in Lipa City, Batangas with 28 farmer participants.



Training Course on Good Agriculture Practices for Corn and Vegetables in Other Climate Vulnerable Area

The expansion site for the CRA project in Batangas is in Calatagan, however, from the initial activities of the project, the Municipality of Malvar and Balete was also considered to be highly vulnerable with regards to climate change hazards. The activity is designed to provide the farmers from the area, skills and knowledge on good agriculture practices. GAP is



CRA Pilot Project Value Chain Analysis: Planning for the Development of Market Oriented Agricultural Enterprises

To achieve more sustainable outcomes, the CRA pilot project in Brgy. Magsikap, General Nakar, Quezon needs to pay more attention to the local marketing systems and work with farmers within their marketing context. Value chain analysis is an important tool in such planning as it studies and map out specific physical commodity flows within a sector and the inter-relationships between actors involved in all stages of the marketing channel. The activity was conducted last September 5-7, 2018 attended by the 30 farm family beneficiaries of the project.

Theme 6: Improving Enabling Environment and Quality of AFE Governance

The programs under Thematic Goal 6 deal with the empowerment of extension providers for policy support, effective management interventions, planning, monitoring and evaluation mechanisms, budget, infrastructure and facilities.

Stakeholders Consultation

Putting prime emphasis on harmonizing the AFE plans and programs in the region, the ATI RTC IVA led the Regional Agriculture and Fishery Extension (AFE) Consultative Workshop on February 8, 2018.

RAFEN members from the National Government Agencies (NGAs), LGUs, State Universities and Colleges (SUCs), and private sectors discussed the programs lined-up for the year and identify strategies on how to uplift the Philippine agriculture and fisheries from a resource-based to market-driven and technology-based industry.



Alongside the consultative workshop, the Center launched the updated edition of the book, *Live to Tell: A Compilation of Success Stories in ATI RTC IV -A*. The newly-accredited ESP, *Flor-s Garden and Nature Haven Inc*, and *Ed Tarriela Learning Center and Farm Inc.*, was also conferred together with the ESP Council. Additionally, the Center used a new approach in presenting the RTC's program activities by setting -up booths per banner program, where they demonstrated their activities and services and answered queries from invited guests and participants.

The Center also held provincial consultations from January 22-26 in selected Learning Sites in Quezon, Batangas, Rizal, Laguna and Cavite respectively. The output of the consultations is the list of prospective participants per activity of the RTC, including their commitment to send participants from the LGUs who were present.

ATI 31st Year Anniversary

ATI CALABARZON participated in celebrating ATI's 31st founding anniversary at the ATI Central Office in Diliman, Quezon City. The physical and financial accomplishments of the RTCs were monitored during the annual review, with the RTC IV-A recording a 100% accomplishment in both areas.

ATIing Merkado sa SiyuDAD, another highlight of the anniversary celebration showcased fresh, healthy and affordable food products for the public. It served as a good avenue to introduce the region's best agricultural products, participated in by some of CALABARZON's accredited Learning Sites and extension partners.



Human Resource Development

Midyear Review and Teambuilding

The Center conducted the midyear review and staff development from April 30 to May 4 to evaluate activities and keep track of changes or developments that need to be done for the rest of the semester. Corrective actions and targeting of specific goals were considered to further uphold excellent delivery of extension services in the region.

Dubbed as *Summer League: United as 7*: the teambuilding unleashed the healthy competitive persona of the staff. Everyone fought with rigor in the series of games and teambuilding activities, while vying for the prize and creating solid camaraderie among the group. Overall, the green team bested the yellow team in the collaborative learning activities.

In-House Trainings

Pursuant to RA 10121 known as the Philippine Disaster Risk Reduction and Management (DRRM) Act, the Administrative Section with the guidance of the Philippine Red Cross-Cavite Chapter led the second phase of DRRM training for the staff.

The DRRM training revolved around discussions and demonstrations on disaster risk management strategies, hazards in the workplace, first-aid and basic life support procedures. Consequently, the activity also focused in improving the Center's disaster response management.

In addition, the Information Services Section (ISS) initiated a workshop on Basic Photography and Graphic Design Principles for the technical staff and interested administrative staff on February 28, 2018. The output of the session was a leaflet size programme [of activities], mostly used and distributed during training and extension activities.



Regular Staff Meetings

The Center scheduled general meetings to ensure efficient and smooth implementation of activities. Management Committee (MANCOM) meetings were also conducted as the need arises.

International Representations

Ms. Lizbeth L. David, Training Specialist II from Career Development and Management Service (CDMS) Section attended the 4-H Summer Camp 2018 on May 30 to June 5, 2018 at Rayong and Chanthaburi in Thailand. Ms. David represented the country together with Ms. Lian Janelle Valencia from ATI Central Office and three 4-H Club members.

The summer camp involved tour to Aquaculture Learning Station, Plant Propagation Station, Livestock Learning Station and Water Management Station by Rayong Irrigation Department. The group also learned agricultural practices based on the Philosophy of Sufficiency Economy, Beekeeping and its processed products and Fruit Tree Integrated Farming. The delegates also observed different activities and projects of 4-H club in MatthayomThaKhaleng School.



Financial Management

ATI RTC IV-A achieved a 100% accomplishment for conducting all the targeted activities in 2018. 2018 funds were also properly utilized with a 100% NTA utilization rate every quarter.



ISO Certification

It was a challenging year for the Center as it underwent its first third-party audit, a crucial step towards the International Organization for Standardization (ISO) 9001:2015 certification. The audit process looked into the direction of the Center towards the delivery of extension and training services in the region, the quality objectives of the Sections, and technical as well as administrative processes and facilities.

Prior to this, ATI CALABARZON passed the Readiness Assessment last October 17-19, 2018. The Center is scheduled for the Surveillance Audit by TUV-SUD on September 2019.



Result Evaluation Studies

In its continuous effort to improve the delivery of extension services for various stakeholders, the Center funded a result evaluation study conducted by a third party on the performance of the accredited Learning Sites for Agriculture (LSA) in the region.

Professor Mercy O. Manalo, *Instructor I* with doctoral dissertation from Polytechnic University of the Philippines (PUP)-Mulanay started the study entitled, *Performance of LSA in CALABARZON basis for Policy Revision* on December 645². The results of her study will be communicated by April in 645³.

Additionally, the ATI Central Office has mandated the Planning Officers of the regions to conduct a Results-Based Monitoring and Evaluation. The Planning Officers were requested to gather data on the outcome evaluation of selected participants from FY 2015. The raw data were turned over to the ATI Central Office for analysis.



Upgrading of Facilities

In 2017, the Center was granted capital outlay for renovations and upgrading of facilities. This year, all four major constructions were completed: administration building extension, dormitory, training hall and 4-H Hub.

The new building houses the technical staff from the Information Services Section (ISS), Partnerships and Accreditation Services Section (PASS) and Career Development and Management Section (CDMS).

The dormitory is equipped with 12 air-conditioned rooms with bathroom that can fit three individuals. It also has a receiving area and small pantry for the visitors' needs.



The new training hall is now used for training activities and free seminars which can accommodate up to 150 participants complete with quality sound system, electronic projection screen and projector, table and comfortable chairs with good air-conditioning. Meanwhile, the 4-H Hub will serve as headquarters of the regional officers and venue for 4H-club related trainings and meetings.

Another facility to look forward to is the RTC's Cafeteria, to be completed in March 2019. With the new facilities in place, the Center will bring the AFE services in the region to greater heights and greater reach.

Awards Received in the National Level

The Center takes pride in having competent staff that upholds the core values of the Institute and continues to exude professionalism and dedication in extension service. Their accomplishments reflect on the successes of the core programs and services of the Center:

- Successful Implementation of Farm Family Modelling Approach for Rural Based Organizations, reflected in ATI CALABARZON's *HiLING Program*, given during the 1st National Farm Family Congress on June 19-22, 2018
- 3rd PLACE: Most Updated ATI Center Website
- 2nd PLACE: Best Poster Presentation for the entry, *Agriculturally Awesome: A Regional Farm Tourism Guide*, presented during the 7rd Knowledge Management Updates and Collaborative Learning Activity
- 1st PLACE: Best in Techno Gabay Program Implementation
- TOP 1: Best Performing Region in the implementation of 2018 Organic Agriculture Program



2018 PERFORMANCE HIGHLIGHTS

8785

Clients Served

266

Extension Activities Conducted

20

IEC Materials Developed

11

Info Caravan Conducted

6

RCM Briefings Conducted

5

Success Stories Documented

1

ESP Accredited

3

Climate Resilient Farm Business School Conducted

3

School on the Air Conducted

41

Farmer's Field School Conducted

18

Farm Business School Conducted

50879

IEC Materials Distributed

4

Financial Literacy Trainings Conducted

6

Consultation Workshops Conducted

22

FITS Centers Enhanced

6

FITS Centers Established

26

Learning Sites Established

5

e-Learning Briefings Conducted

217

Organic Agriculture Production NC 2 Passers

1

Techno Gabay Summit Conducted

24

Agricultural Crops Production NC 3 Passers



Agricultural Training Institute Region IV-A

Brgy. Lapidario, Trece Martires City, Cavite

Organizational Chart

OFFICE OF THE CENTER DIRECTOR



Marites Piamonte-Cosico
Training Center Superintendent II / Center Director



Mariel Celeste C. Dayanghirang
Training Center Superintendent I / Assistant Center Director

INFORMATION SERVICES SECTION



Rolando V. Maningas, PhD
Information Officer III



Jamilla Monette B. Balmeo
Information Officer II



Janine L. Cailo
Information Officer II



Maridelle G. Jaurigue
Media Production Specialist II



Hans Christopher C. Flores
Agriculturist I



Ma. Cristina B. Erni
Program Management Assistant

CAREER DEVELOPMENT AND MANAGEMENT SECTION



Romeo D. Rodil
Training Specialist III



Vira Elyssa L. Jamolin
Training Specialist II



Lizabeth L. David
Training Specialist II



Roy Roger D. Victoria II
Media Production Specialist II



Daynon Kristoff S. Imperial
Development Management Officer II



Marian Lovella A. Parot
Training Specialist I



Mervin B. Vitangcol
Training Specialist



Renzenia T. Rocas
Program Management Assistant



Ridem R. Piliin
Program Management Assistant

PARTNERSHIP AND ACCREDITATION SECTION



Sherylou C. Alfaro
Senior Agriculturist



Mary Grace P. Leidia
Agriculturist II



Soledad E. Leal
Agriculturist II



Ric Jason T. Arreza
Development Management Officer I



Darren B. Bayna
Program Management Assistant



Jordan T. Acueza
Program Management Assistant

PLANNING, MONITORING AND EVALUATION SERVICES



Franklin Bel T. Isip, En.P.
Planning Officer II



Angelo H. Hernandez
Project Evaluation Officer I



Abigail L. Del Rosario
Development Management Officer I



Arianne T. Guerra
Program Management Assistant



John Francis F. Herrera
Program Management Assistant



Jeffrey S. Mapalo
Program Management Assistant

ADMINISTRATIVE AND FINANCE UNIT



Julie Ann A. Ancheta
Administrative Officer IV

BUDGET AND ACCOUNTING SERVICES



Geelyn M. Mercado
Accountant I



Elmer S. Pasco
Dormitory Manager II



Loradelle Q. Adona
Administrative Aide III

CASHIERING SERVICES



Juvelyn V. Dela Cruz
Administrative Officer I



Ma. Isabel S. Lim
Administrative Assistant

SUPPLY MANAGEMENT SERVICES



Jaypee V. Patricio
Administrative Officer II



John Mark M. Gomez
Administrative Aide VI



Agnes M. Malaca
Administrative Aide III

PERSONNEL AND RECORDS SERVICES



Angela S. Amoloz
Network Controller I



Andrew M. Atienza
Satellite Document Control Assistant

GENERAL SERVICES



Lucina D. Diwa
Security Guard I



Virgilio R. Nueva
Security Guard I



Lovely S. Ravelo
Administrative Assistant



Crispin M. Arnaiz Jr.
Driver - Mechanic



Edwin C. Cerrado
Driver



Arnold B. Venzon
Driver



Gregorio Q. Flores
Utility Worker



Renato O. Ferrer
Farm Worker



Albert A. Limbo
Utility Worker



CALABARZON: Annual Accomplishment Report 2018.
Agricultural Training Institute Regional Training Center IV - A
All rights reserved.



(046) 419-0210



atirtc4a@gmail.com



ati.da.gov.ph/ati-4a/



@aticalabarzon



www.facebook.com/ATICalabarzon



@aticalabarzon