

ANNUAL REPORT 2019



AGRICULTURAL TRAINING INSTITUTE
Regional Training Center V (ATI Bicol)



bungkal

till /til/
verb

prepare and cultivate
land for crops.

About the Cover

Land preparation is important to ensure that the field is ready for planting.

The year 2019, ATI Bicol goal was set under the leadership of the new Center Director. The direction tuned is analogous to the process of growing crops. The concept of presenting the ATI Bicol Annual Report will be in a series following the process, this 2019 will be about tillage, 2020 seeding, 2021 crop growth and by 2022 is harvesting. This is how the goal of the Center will be in the next four years to come.



ANNUAL REPORT 2019

Editorial Board:

Technical Advisers |

ELSA A. PAROT
VIVIEN V. CARABLE
DR. FRANKLIN BEL T. ISIP

Editor-in-Chief |

Editors |

MICHAEL D. VILLEZAR
PRIMALOU B. IMPERIAL
ISAGANI C. VALENZUELA, JR.

Layout Artist |

Contributor |

Photo Credits |

CHRISTIAN T.R. TOSOC
NIDA A. HAGOS
PROJECT IMPLEMENTERS

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ATI Bicol Director's Corner

The year 2019 marks my sweet homecoming to my beloved Bicol. Sparked by the change in leadership, both at DA and ATI, I was assigned as OIC of ATI Bicol in January 2019.

The new tasks meant much expectations for me and my new ATI family. One thing sure, I knew it would be a tough job, maybe even tougher than what I previously held.

Fortunately, my ATI Bicol staff is very dedicated and committed. With more significant tasks ahead, we vowed to work under the concept of Sarabay – all together.

And moving as one, we succeeded. Amidst many challenges – among them the negative public perceptions on the Rice Tarrification Law, the emergence of African Swine Fever, the prolonged dry spell devastation, and Typhoon Tisoy – we hit our targets head-on. ATI Bicol remained one of the top-performing ATI Centers in the country.



For this, we are very thankful to our partners and stakeholders – even the general public – for their support and cooperation as we worked to realize our training and other extension services.

To enhance the gains made by previous administrations, the present ATI leadership has to reach more milestones. There are still many Bicolanos belonging to disadvantaged sectors. The 3,471 barangays, 114 cities and municipalities, as well as six provinces in Bicol are home to countless Bicolanos whose lives we need to uplift following the mantra Masaganang Ani, Mataas na Kita of our mother agency, the Department of Agriculture.

We will achieve this and do even more as long as we are all together in this, Sarabay!

ELSA A. PAROT

Center Director



VISION

Food availability and affordability for every Filipino family through excellent extension services in agriculture and fisheries.

MISSION

Empowerment and building capacities of agriculture and fisheries stakeholders for sustainable development.

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 fishers for food security, poverty alleviation and social equity for sustainable development.

CORE VALUES

The Institute supports the government's objectives of accountability, transparency, ethics and integrity. With the Institute's core values that direct the way we relate to our stakeholders, beneficiaries and to each other, we, at the ATI, adhere and uphold the following values:

Customer Focus. "We give the best."

Commitment. "We serve with passion."

Innovation and Excellence. "We keep raising the bar."

Resource Stewardship. "We work with integrity and teamwork."

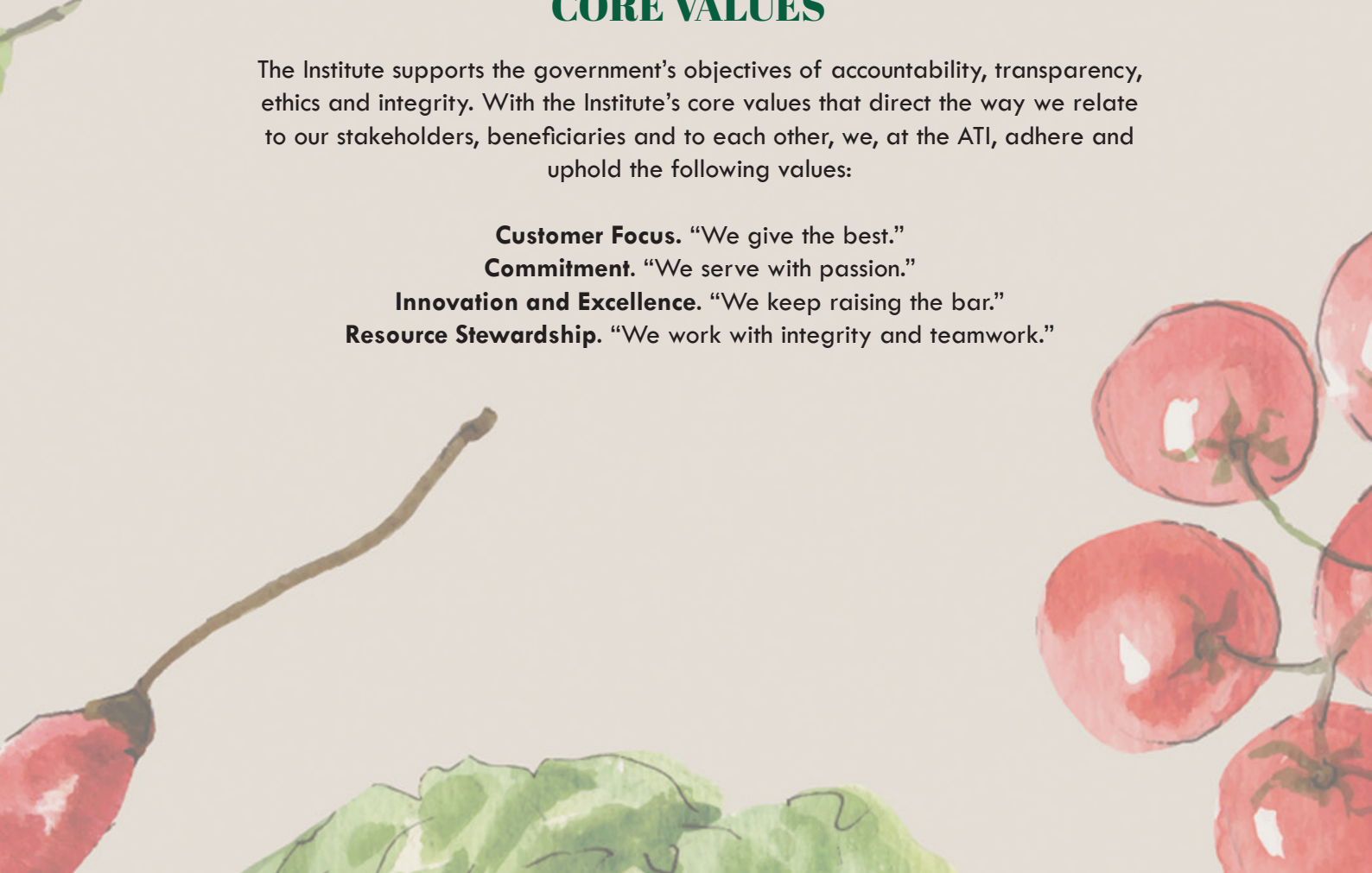


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**Thematic Program I:
ENHANCING ACCESS TO AFE KNOWLEDGE PRODUCTS AND SERVICES**

Digital age is the era of rapid innovation in information and communication technology or ICT. The use of ICT has made the spread of information wider in reach and more accurate in time. Through this, farmers and other clients of ATI Bicol, even in the most remote areas, can easily get hold of data, information, knowledge and advise.

The Information Services Section (ISS) ensures the delivery of updated agri-related information to address the varying needs of the farmers and fisherfolk of Bicol Region. Aside from ICT, the traditional media – i.e. radio, television and print – are continually employed to provide wider options of communication channels among stakeholders.



12
Farm Business
Advisory Services



4
Multimedia Sites
Maintained



2 SOA
Conducted

202 Webpages
Uploaded

1,007
SOA Graduates

Sowing the Seeds of OA through SOA

The ATing Kaugnay School-On-the-Air (SOA) on Organic Agriculture (OA) was a partnership project among ATI Bicol, the Department of Agriculture-Provincial Agriculture Services of Albay (DA-PAS-Albay) and LGUs of 17 municipalities and component cities of the Province.

After three months of listening, learning, and practicing the knowledge they gained, 472 enrollees consisting of farmers, agri-enthusiasts, and students officially completed the SOA on OA.

The SOA culminated in a Graduation Ceremony held at the Albay Astrodome in Legazpi City on July 5, 2019.

The SOA program started airing on March 29, 2019, over DZGB 729khz AM Legazpi and replayed every Saturday at 91.3 FM One Radio Tabaco City from 11:00am-12:00nn. The program aired live every Friday. It was hosted by the Project Officer, Michael Villezar, Information Officer II of ATI Bicol.

SOA Tackles Sustainable Pig Farming

Proving that distance is no obstacle to learning, 535 farmers, women and youths completed the

SOA on Sustainable Pig Farming. Aired live over one radio station and replayed over two radio stations on August 16 to November 22, 2019, the SOA reached all 12 municipalities of Camarines Norte. ATI Bicol used the radio-mediated learning modality to reach a wider coverage of trainees.

The SOA's graduation ceremony took place at the Sanayang Pangkaligtasan in Vinzons, Camarines Norte. The well-attended event featured the Keynote Address of Hon. Reynoir Quibrall, Chair of the Provincial Council Committee on Agriculture, as well as the Messages to the Graduates given by Hon. Stanley Alegre and Executive Assistant Joey Boma.

Municipal Agriculturists – particularly Crisanto Arandia of Paracale, Ed Cañamero of San Lorenzo Ruiz, Engr. Domingo Baloloy of San Vicente, and Zoilo Bardón of Talisay – also graced the occasion. Also present were Agricultural Extension Workers (AEWs) who served as SOA Coordinators in their respective areas.

The SOA graduation also featured the turn-over of incubators and buck (male goat) to Farmer Livestock Schools (FLS) of Camarines Norte and Albay.





16 Farmers' Information and Technology Services (FITS) were funded for enhancement. Accordingly, Magsasaka Siyentista (MS) or Farmer-Scientists were capacitated.

Knowledge Products Management

Seven success stories documented the inspiring journey of agriculture practitioners. These were JOROSS Farm of Albay, the Nabua Gabi Farmers Association of Camarines Sur, Cesar Miraña of the Camarines Norte Office of the Provincial Agriculturist (OPAG), Celestino and Maricho Pebre of Albay, Rosalinda Belodo as the Rice Crop Manager (RCM) Provincial Coordinator of Albay, and Ivan Apostolero as Young Entrepreneur of Camarines Sur.

The Regular Program funded three of the success stories while the Rice Program, High-Value Crops Development Program (HVCDP) and OA Program each funded the three others.

These success stories comprise the Compendium of Success Stories and Best Practices. In addition, the Compendium also highlights the innovations, indigenous technologies and best practices of members of various rural-based organizations (RBOs) such as the Magsasakang Siyentista (MS), Rural Improvement Club (RIC) and 4H Club.

ATI-Bicol reproduced 9,259 knowledge products featuring technologies on rice, corn, climate change adaptation, high value crops, organic agriculture, and livestock, as well as general agricultural information. All 9,256 found its way to various clients of ATI Bicol during trainings, technical briefings, awareness campaigns and agri-trade fairs.

On the other hand, SOA broadcasts as well as in the ATI website, FB Account and briefing materials particularly the "ATI Bicol Be the Best" and "ATI Bicol Best Practices" served as promotional services using various

media.

A brochure titled "Herbal Medicine for Livestock," flyers for Free Seminars and ATI Bicol services, a brochure on Gender and Development (GAD), as well as an outdoor print media titled "Learning Site for Agriculture (LSA) Briefer" are Knowledge Products updated, enhanced, packaged and digitized.

The Promotional Materials on the Rice Tarrification Law and Adlai are Knowledge Products translated to the Bicol Naga dialect. On the other hand, the brochure on the African Swine Fever was translated into Filipino and the Rice Competitiveness Enhancement Program (RCEP) was translated into Bicol Naga, Bicol Sorsogon and Bicol Albay.

Knowledge Center Management

One in-house Knowledge Center was established at the ATI Dormitory, strengthening the ATI Bicol Library's accessibility to trainees in the ATI Bicol complex.

Ten knowledge products newly acquired augmented the repository of reading materials maintained at the Knowledge Center.

In addition, ATI Bicol continuously subscribed to a daily newspaper (Manila Bulletin) and monthly issues of an agricultural magazines (Agriculture).

Techno Gabay Extension

Sixteen Farmers' Information and Technology Services (FITS) Centers enhanced their capability through various ICT equipment provided by ATI Bicol. Accordingly, ATI Bicol also monitored and capacitated the FITS-accredited MS.

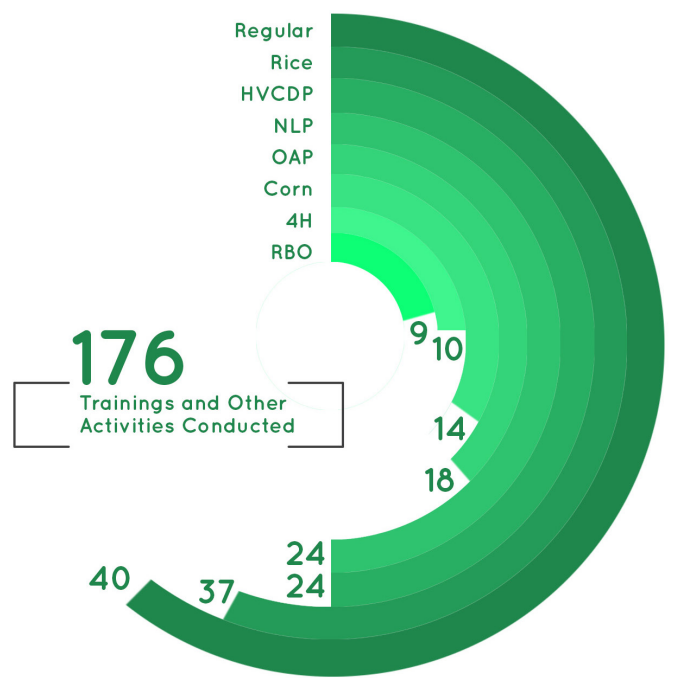
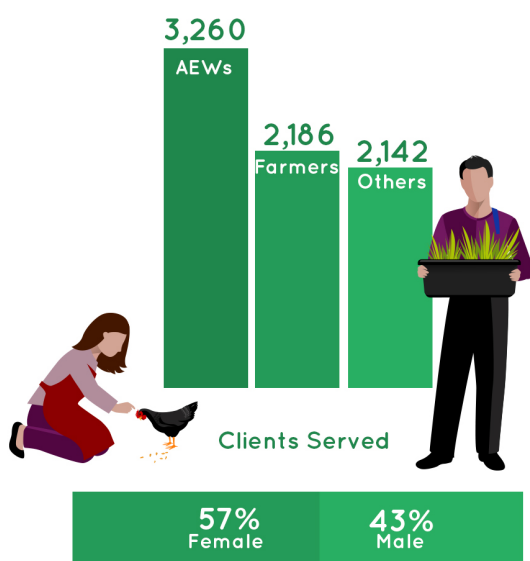


Thematic Program II: STRENGTHENING COMPETITIVENESS AND CAPACITY OF THE AF SECTOR

The ATI Bicol strives to effectively capacitate the Agriculture and Fisheries (AF) sector in the Bicol Region. It hones the AF stakeholders on technical and social technologies so they will be competent agents who shall upgrade the farming practices in their respective communities.

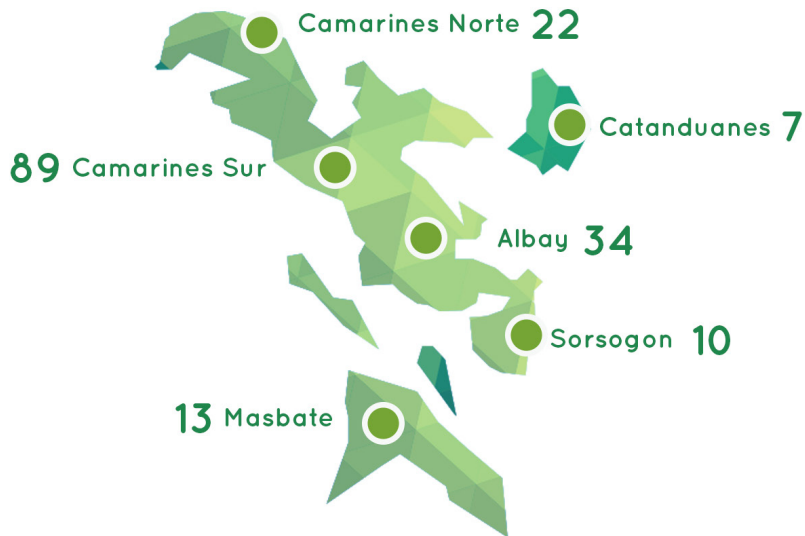
As a customer-focused agency, ATI leads the delivery of extension services and relevant training courses.

ATI Bicol conducted 176 capability-building activities on various commodities. These addressed the knowledge, skills, and attitude (KSA) needs of 7,588 AF stakeholders regionwide – AEWs, farmers and fishers, youths, RBOs, agriculture enthusiasts, and partner agencies.



No. of Trainings and AF Activities per Program

● Calabarzon 1



Location of Training and Other Capability-Building Activities

High Value Crops Development Program

- 22 training courses served 660 clients (90 AEWs and 570 Farmers)
- 2 additional AF activities conducted under HVCDP

Regular Program (4H/RBO)

- 38 training courses served with 1579 clients (235 AEWs, 581 Farmers and 763 other participants)
- 12 other AF activities conducted under Regular Program, 4-H and RBO

Organic Agriculture Program

- 15 training courses served 455 clients (135 AEWs, 195 Farmers and 125 other participants)
- 3 other AF activities conducted under OA Program



Rice Program

- 32 training courses served 1,322 clients (218 AEWs, 1,043 Farmers and 61 other participants)
- 4 other AF activities conducted under Rice Program

Corn Program

- 12 training courses served 373 clients (122 AEWs, 188 Farmers and 63 other participants)
- 2 other AF activities were conducted under Corn Program

National Livestock Program

- 14 training courses served 367 clients (32 AEWs, 305 Farmers and 30 other participants)
- 9 other AF activities were conducted under NLP





Learning Sites for Practical Agriculture

ATI Bicol establishes and maintains LSA as partner in delivering community-based, locally competitive and location-specific technologies.

Six LSAs received financial and capability-building support towards their transition into Schools for Practical Agriculture (SPA). Of these, two LSAs support the delivery of Program, namely JOROSS Farm of Ligao City, Albay and DACARA Gardens in Pili, Camarines Sur.

Four LSAs support the delivery of Regular Program, specifically Living in Faith Evermore Farms and Parks, Inc. in Virac, Catanduanes; Summer Agri Learning Site in Mayon, Castilla, Sorsogon; Longabela Kalikasan Farm in Anislag, Daraga, Albay; and the Shell Training Farm in Bombon, Camarines Sur.

This year alone, fourteen LSAs established under Regular Program served to expand the reach of ATI Bicol in rural communities. These LSAs are as follows:

- Cambi Integrated Farm** (Anislag, Daraga, Albay)
- Ralph Hector Farm** (Nabua, Camarines Sur)
- Emiliano Nature Farm** (San Fernando, Camarines Sur)
- Mikeliz Integrated Farm** (Calabanga, Camarines Sur)
- Center-Based LSA** (ATI-RTC V)
- Canaan Training and Natural Farming Institute, Inc.** (CATNAFI) (Cataingan, Masbate)
- Badang ni Ignacio** (San Fernando, Camarines Sur)
- RO-MA Piggery Farm** (San Jose, Camarines Sur)
- Carmel Agri- Learning Farm, Inc.** (Pili, Camarines Sur)
- Inarihan Farm Resort** (Naga City)
- Ciudad Caliente Livelihood Farm** (Talisay, Camarines Norte)
- IRDF Techno-Demo Farm** (Irosin, Sorsogon)
- De Paul Farm** (Gubat, Sorsogon)
- Darwel Agricultural Farm** (Bukid, Masbate City)

As of December 2019, ATI Bicol's roster of community-based, private sector-led learning centers include 48 LSAs, two Farm Tourism sites, and one Extension Service Provider.

AFMECH Program

Six training courses served the KSA needs of 176 participants under Regular and Rice Programs.

Education Support

12 youths received financial assistance to pursue studies in various AF fields

National Certification (NC) Levels II and III Passers

NC II and NC III assessment activities conducted this year produced 135 passers.

Of these, 48 passed NC III assessment for Agricultural Crops Production facilitated under the Corn Program.

On the other hand, 87 passed the NC II assessment for Organic Agriculture Production facilitated under the OA Program.

Gender and Development

The center has allocated 5% of its total budget for GAD-aligned training courses.



**CLIENT-FOCUSED
ASSISTANCE TO THE MARGINALIZED
SECTORS**



DIFFERENTLY-ABLED PERSONS (DAPs)

The Training on Livelihood and Skills Training on Herbal Production, Processing and Utilization and Basic Candle Making for PWDs was conducted at Freshco Beach Resort, Masbate City, Masbate on June 25-27, 2019.

SENIOR CITIZENS (SCs)

The Livelihood and Skills Training on Herbal Production, Processing and Utilization and Candle Making (Livelihood and Skills Training for SCs) conducted at Raddell Inn, Virac, Catanduanes on May 22-24, 2019.

INDIGENOUS PEOPLES (IPs)

Six IP members from Polangui, Albay and Labo, Camarines Norte joined Bicol Farm Family Forum held at Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on July 30-31, 2019.

The forum served as venue for knowledge sharing among RBOs through the presentation of their respective Best Indigenous Practices.

After the presentation, the most adaptable technologies and practices were recognized. Dr. Mae Rodriguez, the Department of Agriculture-Regional Field Office (DA-RFO) Chief of Field Operations Division, presented the updates

on new DA programs, including the Rice Tariffication Law.

Breakout sessions also took place as organizational meetings per RBO. The officers and members discussed issues, concerns, and the plans of their respective organizations. A fellowship night fostered camaraderie among the various RBO.

FOOD SAFETY TRAININGS

Supporting the Food Safety Act of 2013, the Center conducted three batches of Food Safety training with 87 participants.

4TH-6TH CLASS MUNICIPALITIES

A great number of the training participants served (34.68%) came from the first-class municipalities/cities.

On the other hand, participants from fourth- to sixth-class municipalities/cities comprise 32.14% of ATI Bicol's trainees.

The rest represented second- and third-class municipalities/cities.

In line with the pronouncement from the national level, ATI Bicol continuously reaches out to AF stakeholders in fourth- to sixth-class municipalities/cities.

SEMINARS FOR THE PUBLIC

ATI Bicol initiated seven free seminars which served 907 clients.

1. The Free Seminar on Native Pig Production attracted 73 participants. This was conducted at Calaguas Hall, ATI Compound, San Agustin, Pili, Camarines Sur on January 29, 2019.

2. The Free Seminar on Mushroom Production and Processing gathered 196 attendees. This was conducted at Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on January 29, 2019.



3. The Free Seminar on Urban Gardening served the information needs of 121 participants. This was conducted at Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on February 26, 2019.

4. The Free Seminar on Native Chicken Production served 131 participants. This took place at the Isarog Hall, ATI-RTC V San Agustin, Pili, Camarines Sur on June 27, 2019.

5. The Free Seminar on Fish Processing gathered together 63 attendees at Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on August 30, 2019.

6. The Free Seminar on Stingless Beekeeping attracted 172 attendees. This took place at the Farmer's Auditorium, Albay Farmers Bounty Village, Cabangan, Camalig, Albay on September 23, 2019.

7. The Free Seminar on Fruit and Vegetable Carving with 151 participants was conducted at SM Legazpi on November 21, 2019.



YOUNG FARMERS

The Training on Agripreneurship for Young Farmers with 26 trainees took place at the Maca-gang Business Center, Nabua, Camarines Sur on September 24-26, 2019.

The Training on Organic Vegetable Production for 43 4H Club members happened at Goa, Camarines Sur on September 27-29, 2019.

ADDITIONAL PPAs

The Hands-on Training on Vegetable Production and Gardening with 31 participants took place at the San Roque Communal Elementary School, San Roque Communal, Ocampo, Camarines Sur on May 27-28, 2019.

Dubbed Design-Create-Culture in Bicolandia, a training on the preparation and production of information, education and communication (IEC) materials addressed the needs of 19 Farmer's Information and Technology Services (FITS) information services (IS) staff. This took place at Villa Rosita Hotel, Concepcion Pequeña, Naga City on May 28-30, 2019.

The Regional Kabataang OA: An Organic Agriculture Quiz for College Students, gathered together 25 student-contestants representing various state universities and colleges (SUCs) at the Robinsons Place, Naga City on October 4, 2019. Prior to this, school-based Kabataang OA quizzes took place in Albay, Camarines Norte, Camarines Sur, Catanduanes, Masbate and Sorsogon.

A Training on Financial Literacy addressed the training needs of 23 participants. This was held at the 4H Learning Hub, ATI Compound, Pili, Camarines Sur on October 14, 2019.

A Tie-up Training on Adlai and Citronella Production and Processing addressed the KSA need 34 participants at P@Ds Place, Ibanez Street, Masbate City on November 26-28, 2019.

The Training on Plant Propagation and Nursery Management gathered together 31 AF stakeholders at Villa Rosita Hotel, Concepcion Pequeña, Naga City, Camarines Sur on November 27-28, 2019.

A Refresher Course with NC Level II on Organic Agriculture enhanced the capacities of 40 AF stakeholders during a training held at the Albay Provincial Agriculture Office (APAO), Cabangan, Camalig, Albay on September 24-27, 2019.

A Training on Good Agricultural Practices (GAP) for Pineapple held at Villa Mila Garden Resort and Conference Center, Daet, Camarines Norte on November 12-14, 2019 trained 23 AF stakeholders.





RICE COMPETITIVENESS ENHANCEMENT FUND (RCEF)

Consultative Activity

Harmonization Meeting for Rice Extension Services Program of the Rice Competitiveness Enhancement Fund program in Region 5 was held last September 24, 2019 at Villa Caceres Hotel, Naga city with 25 participants.

Training

Two batches of Training of Trainers (TOT) on Modernized Production of High-Quality Inbred Rice and Seeds held October 14-25, 2019 and November 18-29, 2019 produced 71 graduates.

The TOT on Inbred Rice Seeds Production and Farm Mechanization for Agrarian Reform Beneficiaries (ARBs) with 27 participants was conducted at the Isarog Hall, ATI Compound, Pili, Camarines Sur on November 11-22, 2019.

A Training on Inbred Rice Seeds Production, Certification and Quality Control for Seed Growers with 31 participants took place at the Isarog Hall, ATI Compound, Pili, Camarines Sur on October 14-18, 2019.

Information Caravan

Ten batches of Technical Briefing-cum-Information Caravan on RCEF with 1,810 attendees took place in the four RCEF-priority provinces of Bicol – namely, Albay, Sorsogon, Masbate and Camarines Sur.

RCEF Learning Sites

Four RCEF-supported Learning Sites were established and enhanced:

PalaYamaNayon ni Tata Edgar

Brgy. Balangibang, Polangui, Albay
Farmer Cooperator: Edgar Pesebre

Salvador and Emeteria Farm

Brgy. Cagmanaba, Ocampo, Camarines Sur
Farmer Cooperator: Carlito Aquino

Ocbian Nature Farm

Brgy. Monte Carmelo, Castilla, Sorsogon
Farmer Cooperator: Noe Ocbian

Rapsing Integrated Agricultural Learning Sites

Brgy. Cabitan, Mandaon, Masbate
Farmer Cooperator: Elmo Rapsing



Thematic Program III: EXPANDING PARTNERSHIPS IN ADVANCING EXCELLENCE IN AFE DELIVERY

Widening the network through partnership is one of the key aspects of sustainable development. Through collaborative efforts, agri-business potentials could be developed into a viable source of income.

On the other hand, issues and concerns could be easily addressed through sharing of ideas, resources and other assets.

ATI Bicol paved the way for enhanced partnerships by spearheading inter-agency meetings, consultation workshops, and collaborative activities.

Bicol Agriculture and Fisheries Extension Network (AFEN) Meeting

ATI as the apex agency for harmonized and unified AF extension system strengthened the Bicol AFEN as the major partnership mechanism in the region. Bicol AFEN works towards accelerated achievement of a competitive and sustainable AF sector.

The group's First Quarter Meeting took place at Isarog Hall, ATI Compound, Pili, Camarines Sur on February 15, 2019 with 31 network members present. The activity's theme was 'Sama-samang Pagpapalaganap ng Kaalaman tungo sa Masaganang Sakahan at Palaisdaan.'

The member agencies presented their notable accomplishments and best extension practices in 2018. Each discussed their respective 2019 Extension Support, Education and Training Services

(ESETS) targets.

The meeting tackled the New Extensionist Learning Kit (NELK) and the Bicol AFEN training in August 2019 on Extension Delivery System (EDS).

Bicol AFEN Looks Forward to 2020

"For 2020 we have to level up and put our mark in communities that we work in," Center Director Elsa Parot enjoined the Bicol AFEN member-agencies during the Fourth Quarter Meeting at Isarog Hall, ATI Compound, Pili, Camarines Sur on November 28, 2019.

Agriculture and fisheries extension in the countryside is important, she emphasized, since a fourth of the total labor force (10.3 million) is in agriculture, and 30% of poverty incidence is in the rural areas.

Meanwhile, Assistant Center Director Vivien Carable recalled the milestones of Bicol AFEN in 2019, including the EDS training for RAFEN representatives and prioritization of trainings towards harmonization of resources.

Bicol AFEN member agencies – national and local government as well as SUCs and private organizations – also shared their best practices and accomplishments for 2019.

Issues and concerns arose during the meeting, which include the harmonization of targets in case of training duplication. The agencies' respective training calendars have to be submitted in advance so harmonization will work.

It was acknowledged that there is need for active partnerships as this is one of the indicators of SUC's extension functions. The need for resource mapping prior to training was also pointed out in order to optimize the use of existing resources.

National Power Corporation-Buhi-Barit Watershed Area Team (NPC-BBWAT)

ATI Bicol collaborated with NPC-BBWAT to establish a community livelihood project in the area. The project lessened the people's dependence on economic activities that contribute to deforestation and soil erosion.

The Center addressed the KSA needs on sustainable agriculture of farmers living in the watershed area. They were trained on vermicomposting, organic fertilizer production, asexual propagation, and watershed conservation to promote ecologically and economically sound farming practices.

Integrated Nutrition Model Training

The Department of Education's Regional Office No. V (DepEd Bicol), in partnership with ATI Bicol, spearheaded the Training on Integrated Nutrition Model (Crop Museum) cum Gulayan sa Paaralan. With the theme "Feed the Mind, Save the World, Plant Indigenous Crops Today," the training took place at the ATI Compound in Pili, Camarines Sur on January 10-12, 2019.

DepEd School Heads, Public School District Supervisors, Gulayan sa Paaralan School Coordinators, and Elementary Agri-Fishery Arts School Coordinators participated in the activity.

The training equipped the participants with



the technologies needed to administer the K-12 Agri-Fishery Arts Curriculum.

The training enhanced their capabilities on gardening and nutrition recording as well as fostered appreciation for the values of unity, teamwork, volunteerism and community service for environmental protection and conservation. Specifically, the trainees developed their action plans for the establishment of integrated nutrition model project and crop museum in their respective schools. They demonstrated the principles of Bio-Intensive Gardening (BIG).

The three-day activity also featured lectures on the School Nutrition Model, indigenous menus, seeds and seedling management, as well as community-based mushroom production.

Further, the training included benchmarking at Dacara Farm in Pili and Sonrisa Farm in Magarao, Camarines Sur.

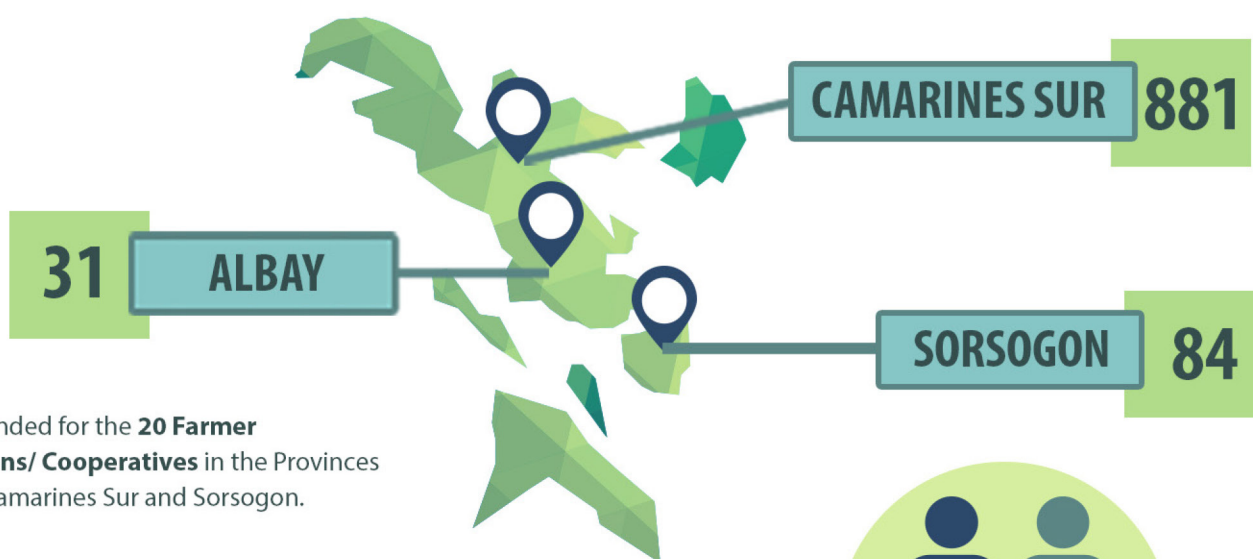
"With the DepEd and DA partnership, we will produce the next generation of farmers. It is upon us – ATI as training arm of DA, and DepEd because you really are the mentors of the kids – to promote agriculture," shared Center Director Elsa Parot during the opening program.

Pili Mayor Tomas Bongalonta, Jr., Assistant Center Director Vivien Carable, District GPP Coordinator Ernesto Labilles, Jr., Public Schools District Supervisor Amancio Doblón, and DepEd School Head In-Charge Marilyn Brazil graced the activity.

CAPABILITY BUILDING FOR THE BENEFICIARIES OF THE DA RICE PROCESSING CENTERS IN THE BICOL REGION

This collaborative project between the **Department of Agriculture - Regional Field Office 5** and **Agricultural Training Institute - Regional Training Center 5** aims to capacitate the RPC program beneficiaries on how to efficiently manage and sustain the commercial operation of the rice processing centers.

DISTRIBUTION OF PARTICIPANTS BY PROVINCE



This is intended for the **20 Farmer Associations/ Cooperatives** in the Provinces of Albay, Camarines Sur and Sorsogon.



INTERVENTIONS CONDUCTED



served **996** clients

10 TRAINING ON ORGANIZATIONAL MANAGEMENT
BATCHES

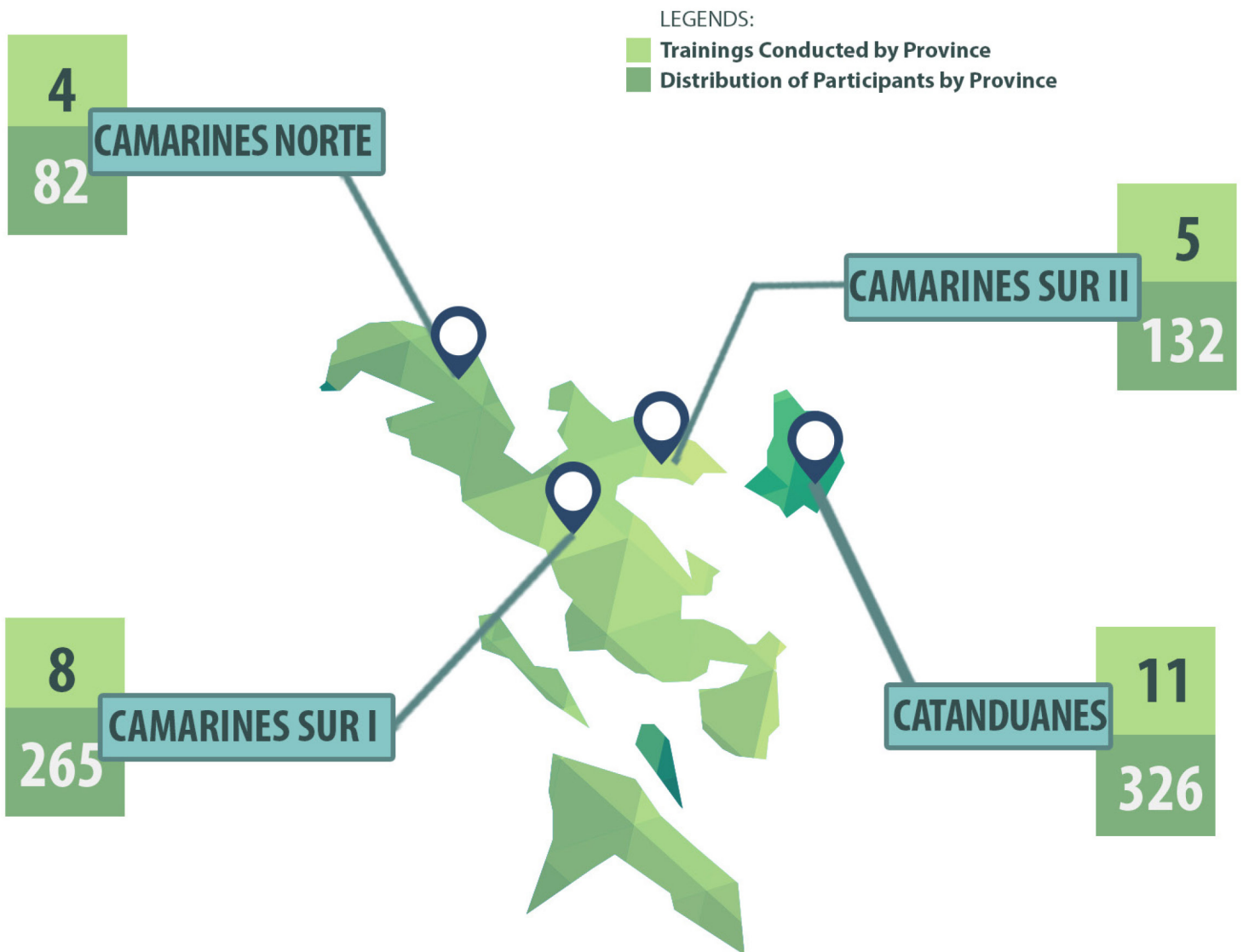
10 TRAINING ON MARKETING & ENTREPRENEURSHIP
BATCHES

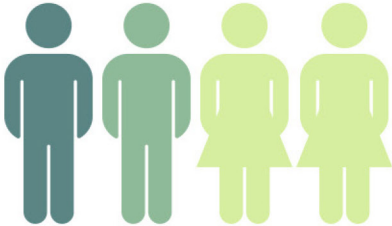
10 TRAINING ON FINANCIAL MANAGEMENT & BOOKKEEPING
BATCHES

13 TRAINING ON OPERATION & MAINTENANCE OF RPC MACHINERIES AND FACILITIES
BATCHES

PROVISION OF AGRI-EXTENSION & AGRI-TECHNOLOGY SERVICES TO SELECTED ARBOs UNDER THE CLIMATE RESILIENT FARM PRODUCTIVITY SUPPORT PROJECT (CRFPSP)

This is a partnership and collaborative undertaking of the **Department of Agrarian Reform - Regional Office 5** and **Agricultural Training Institute - Regional Training Center 5**. The project introduced Climate Change Adaptation and Mitigation interventions to enhance the climate change resiliency of the covered Agrarian Reform Communities.




trained 805 ARBOs members
benefited 12 ARBOs



Thematic Program IV: SCALING-UP AFE INNOVATIONS

ATI Bicol uses novel approaches to more effectively delivery AF extension services to its clients.

Innovations include organization-focused upgrades. The International Organization for Standardization (ISO) gives international standards for products, services, and systems to ensure quality, safety, and efficiency.

ATI Bicol is now ISO 9001:2015 certified along with the rest of the 16 ATI Regional Training Centers and the International Training Center on Pig Husbandry (ITCPH).

Besides, ATI Bicol facilitated the social services by funding the insurance of 200 farmers under Philippine Crop Insurance Corporation (PCIC) and 36 young farmers under the Social Security System (SSS).



Schedule your plowing before planting... to get the field ready for crops to be planted.

It helps in starting well: when you prepare well, starting well is easy, because you have put some measures in place before starting. It helps in understanding those things you need to do: when you prepare well, you have an understanding of several things that is needed for a particular goal or course of action.

ATI BICOL IS LIVE NOW!



- To serve those who are not able to access the School-on-Air live radio broadcast, ISS uses Facebook Live which can be viewed by its clients, enrollees and non-enrollees alike, anytime, anywhere.

FREE SEMINARS

- Monthly free seminars reached out to at least 907 registered attendees.
- Two free seminars were conducted in a bigger and easily accessible venues (SM Naga and SM Legazpi) to accommodate larger crowds of stakeholders and agri-enthusiasts.



KABATAANG BIKOLANO, OK SA OA

- The first-ever Regional Kabataang OA Quiz Bee in the Bicol Region was conducted at Robinson's Place in Naga City. Contestants were the winners of a series of 9 school-based competitions.
- The winner, Alan Aycardo of Bicol University, bagged the second prize during the National Competition.

MENTORING AND COACHING

- Regular mentoring and coaching sessions for technical and administrative staff on report preparation ensure the accuracy and completeness of data and on-time report submission.



ATI BICOL's NOTABLE ACCOMPLISHMENTS in 2019

M&E INITIATIVES

- The Results-Based Monitoring and Evaluation (RBME) used the Focus Group Discussion (FGD) methodology to gather the necessary data and information in one setting.
- Specialized topics were discussed related to previous trainings attended for which the FGD participants were being monitored/evaluated.

PROMOTING CORPORATE SOCIAL RESPONSIBILITY

- The ATI Bicol staff gave gifts as well as conducted training on the processing of herbal ointment and liniment for the Naga City Jail inmates during the Christmas season. They also planted herbs and seedlings, as well as gave cooking utensils and garden tools.
- The outreach activity gave way to the plan of putting up a modified FITS Center and LSA to help the inmates and prepare them for a more productive life and community re-integration.



SUPPORT TO PARTNERSHIPS

- The Bicol Association of Learning Sites for Agriculture (BALSAs) was organized to promote Big Brother-Small Brother mentoring and sharing of best practices among the 55 LSAs in the region.
- ATI Bicol partnered with DA-RFO V to capacitate 12 cooperatives, 5 associations and 3 LGUs to operate 20 Rice Processing Centers in various parts of the Region.
- The Center also teamed up with DAR to capacitate agrarian reform beneficiary organizations on their preferred commodities.



ATI BICOL'S CORE OF RESOURCE PERSONS

- Technical and administrative personnel are groomed as resource persons to comprise the institution-based pool of experts.
- Developing in-house Resource Persons ensures that trainings are conducted according to standards with minimal disruptions in schedules.



ATI Bicol Hurdles Surveillance Audit

“QMS (Quality Management System) should be lived every day. And it’s all because we have to give excellent extension services beyond boundaries with our established QMS as our guide,” Center Director Elsa Parot enjoined.

This was during the wrap-up meeting after a one-day TUV-SUD PSB Philippines 2nd Surveillance Audit held at ATI Bicol. Only four opportunities for improvement and two minor nonconformities were observed during the Audit.

“We share joy and we share also the hard work. Pag sama-sama, kayang-kaya,” Center Director Parot said, summing up the collective anticipation and gratitude among the personnel as they hurdled and for the Surveillance Audit (ISO 9001:2015).

With Engr. Adorable Aguila as Lead Auditor and Prof. Eugenia Santiago as Technical Expert, the Surveillance Audit scoped the development and provision of trainings, knowledge products and services, accreditation of extension service providers, scholarships, alliance building, as well as planning, monitoring and evaluation.

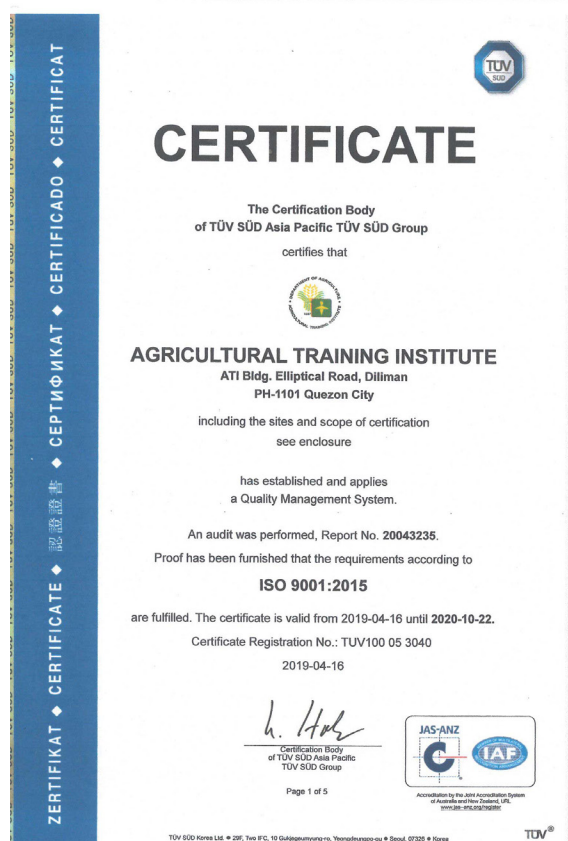
“We would like to thank ATI-RTC V for the openness and the patience,” stated Engr. Aguila. “Compared to other sites, this is the earliest na natapos. It can be a good indicator. Medyo naging maayos, getting there na. You have a very good improvement. It’s a process of continual improvement. Congratulations for that.”

“Congratulations. Let us continue raising the bar. Let us continue to strive harder until at last we perfect the system,” Center Director Parot encouraged her staff.

ISO Certified

ATI Bicol Center Director Elsa Parot received the ISO 9001:2015 certification for quality management systems.

ATI Director Alfredo Aton and OIC Deputy Director Abdul Daya-an awarded the during the ATI network-wide FY 2019 Midyear Performance Review and Planning Workshop held at ATI Bicol in July 2019.



The scope of certification includes the development and provision of trainings, knowledge products and services, accreditation of extension service providers, scholarships, alliance building, as well as planning, monitoring and evaluation of the national extension system.

ISO 9001:2015 pertains to the Center’s ability to consistently provide products and services that meet customer and regulatory requirements. It also certifies that ATI Bicol enhances customer satisfaction through effective processes for improvement and conformity to customer and other regulatory requirements.

ATI Bicol crafted the Quality Objectives and Risk Assessment during its Planning Workshop on April 2-4, 2019 following the ISO 9001:2015 requirements.

Congratulations ATI! May this serve to inspire everyone within and outside ATI, so that ‘excellent extension services beyond boundaries’ shall become everyone’s battle cry in uplifting the lives of the Filipino farmers.



Corporate Social Responsibility (CSR)

In continuing the yearly tradition of sharing blessings to their less fortunate brethren, the officers and staff ATI Bicol held an outreach activity at the Naga City District Jail last December 18, 2019.

Center Director Elsa Parot led the annual outreach program, dubbed 'ATIng Pama5kong Handog 2019.' More than 500 male and female persons deprived of liberty (PDL) were gifted with hygiene kits. Also, selected inmates were provided with training on the herbal production and processing of ointment and liniment oil.

Besides, ATI staff joined the PDLs in tree planting. ATI also provided the city jail with cooking utensils, seedlings and garden tools.

Director Parot thanked the inmates as well as the officers and staff of the city jail for their warm welcome and appreciation. The city jail may serve as a Learning Site or FITS Center, particularly for urban gardening.

Jail Chief Inspector Gerardo Berdin, Officer-In-Charge (OIC) of the male dormitory, and Senior Jail Officer 3 Agnes Francisco, OIC of the female dorm, expressed their thanks for ATI's generosity in extending the Christmas spirit to the PDLs. Both acknowledged that the kindness shown would go a long way in improving the living conditions and development of the inmates.

The event culminated with the boodle fight among ATI and City Jail employees.

Check your equipment... to make sure all parts are in good working order.

A clear understanding of the objectives and purpose of evaluation can provide the framework for assessment.

Organizational goals are accomplished through various activities or tasks which are performed by groups or individuals.

To identify and plan out the needed "maintenance" of the organization so that it can continue to move toward its vision.





**Thematic Program V:
STRENGTHENING AFE STAKEHOLDERS' CAPACITY IN CLIMATE CHANGE
ADAPTATION AND READINESS**

Through trainings, ATI Bicol promotes technologies that maximize the use of farm resources in a sustainable, environmentally safe manner. It mainstreams climate change adaptation and mitigation activities in agriculture.

Training for Life

ATI Bicol conducted six climate-smart training courses that were attended by 145 clients consisting of 100 AEWs, 37 farmers and 8 other participants.

1. Regional Training of Trainers on Climate Smart Farm Business School for Agricultural Extension Workers
2. Training on Climate Change & Agriculture and Food Security with Financial Literacy
3. Training on Production of Alternative Feedstuffs and Feed Supplements for Livestock and Poultry (Training on Silage Making)
4. Skills Training on Climate-Smart Technology for Livestock
5. Training on Climate Change & Agriculture and Food Security with Financial Literacy (1st batch)
6. Training on Climate Change & Agriculture and Food Security with Financial Literacy (2nd batch – Albay, Masbate, Sorsogon)



Trees for Life

ATI Bicol supports the Tree for Life Project of the Civil Service Commission, and advocates caring for nature part of its teambuilding activities and sustainable development initiatives.

On July 11-12, 2019, 50-strong personnel of ATI Bicol took part in its Midyear Team Building Activity at Haciendas de Naga in Pacol, Naga City. On the second day, the group migrated to various Learning Sites for Agriculture (LSA) around the vicinity.

The site visits culminated in a tree planting activity at Inarihan Farm in Panicuason, Naga City. Here, the ATI Bicol personnel refreshed their sense of wellness and oneness with nature.

The group planted approximately 50 narra and mahogany seedlings at Inarihan Farm, a 5.5 hectare with lush greenery and home to migratory birds. It is about 14 kilometers from Naga City and 268 meters above sea level.



Owned by Jaime Badong, the Inarihan Farm will soon be an ATI Bicol-accredited LSA. Jaime Badong is a Filipino overseas worker living in Guam. He is an environmentalist who bought the farm in 1994. He began planting trees in 1997 as a legacy and to connect people closer to nature.

He asked his brother Antonio to manage his farm. Antonio Badong is former chair of the Pecuaría Development Cooperative Incorporated, the first-ever certified organic farm in the Bicol Region.

By planting trees in Panicuason, ATI Bicol team expressed support for the Badongs' passion for agriculture and tree farming. At the same time, the activity emphasized the immeasurable benefits of growing trees in the watershed area of Naga City to support present and future generations.



Clear the field of obstructions...to get the field as level as possible by filling in small holes or smoothing out raised patches.



Thematic Program VI: IMPROVING ENABLING ENVIRONMENT AND QUALITY OF GOVERNANCE

ATI Bicol continuously implements various PPAs to improve the plight of the farmers, women, youth, agri-entrepreneurs, and other stakeholders in the region. Ultimately, the Center aims to increase beneficiaries' productivity and income.

Considering the physical and financial resources allocated to these programs, ATI Bicol revisits and reviews its accomplishments vis-a-vis its performance targets. Assessing the implementation status and planning for continuous improvement is necessary. There is also a need to determine the relevance of interventions to the clients' needs.

Governance

This year, ATI Bicol conducted two studies on training and extension activities.

The Results- Based Monitoring and Evaluation (RBME) determined the extent to which ATI Bicol achieved the desired results for clients who received interventions three years ago (FY 2016).

Eighty-four randomly selected respondents were evenly distributed among all six Bicol provinces.

Aside from accomplishing RBME according to timeline, ATI Bicol gathered the needed primary and secondary data using appropriate methodologies. These include survey and focus group discussion (FGD).

In addition, the respondents attended a post-RBME refresher course on the training they attended three years ago. These training courses focused on vegetable production, mushroom production and vermicomposting. The participants also received seedlings and seeds as after-training support.

This innovation served to gather comprehensive first-hand information and at the same time addressed concerns regarding training and extension interventions.

The RBME findings indicated the following: Increased access to AFE interventions; Improved attitude, skills and knowledge of clients and; Improved provision of interventions

Among the respondents, 98% said their knowledge, attitude, skills improved. On the other hand, 94% said they adopted new AF technologies and 88% assessed the interventions as relevant to them. Further, 76%

implemented their action plans.

Intermediate result assessed the productivity of clients. According to findings, 86% of the respondents were engaged in diversified farming while 50% were engaged in value-adding activities resulting to 83% increase in income.

Empowerment of clients was gleaned from the finding that 42% of the respondents became agripreneurs. Notably, 50% of the respondents represented marginalized sectors. Among the AEWs, 22% were employed in AF-related jobs and promoted to higher positions.

The study also assessed the resiliency of the trainees. Among the respondents, 96% have social protection, more than 90% were confident to cope with unfortunate events, 88% had alternative AF-related job competencies, while 76% coped with unfortunate events by applying adaptation and mitigation measures. The result further noted the long-term effects of the interventions. Almost 23% of the respondents had their farms accredited with 19% of their products certified.

In addition, the respondents expressed gratitude to ATI – indicating that the Institute is leaving its legacy among the clientele.

Emmanuel Orogo and Alexander Vargas as Planning Officer II and Planning Assistant of PMESU, respectively, conducted the study within the period January to September 2019.

ATI Bicol also conducted a result evaluation on July to December 2019, focusing on the assessment of the 2017 interventions under HVCDP.





New Center Director

“One of the good things that happen to me this year is I’m back to where I was born and schooled. So yun yung happiness,”

This was the starting message of Ms. Elsa Parot, the newly-designated OIC Center Director of Agricultural Training Institute Regional Training Center V (ATI-RTC V) when she met her new ATI family.

She replaced Training Superintendent I Ms. Vivien V. Carable who served as OIC since June 2016. She was designated by Secretary Emmanuel Piñol through the Special-Order no. 1214, series of 2018.

Ms. Elsa served as the Assistant Division Chief of Partnership and Accreditation Division (PAD) and at same time the National Focal Person of Rural-Based Organizations (RBO) and 4H before assuming the present position. She also previously worked at ATI-RTC 4a (formerly National Training Center) as Training Specialist and Agriculturist.

All staff were present to welcome Ms. Elsa with open arms on her first day in ATI-RTC V. She expressed her gratitude and joy for the opportunity to be home again and serve her fellow Bicolanos.

Being a Libran, as she mentioned, she advised her new employees to balance productivity and playfulness in working. “Productivity would always come in all people, just have a happy day and time to rest” she added.

As the new OIC-CD, Ms. Elsa envisions ATI-RTC V to be if not the best, one of the best centers in the network. “And we start with always doing things and continuous improvement and maybe later on excellence will be our daily lives,” she ended.

The turnover was held last January 7, 2019 at ATI Mini Hall, ATI Compound, San Agustin, Pili, Camarines Sur.

She was appointed TCS II and a full-pledged Center Director on February 2019.



Plan out the plow route... to know where you will need to stop and turn.

Operational Planning Workshop

‘Where are we going and how do we get there?’

That was the theme when the Agricultural Training Institute- Regional Training Center V (ATI-RTC V) held its first operational planning workshop for the year and under new leadership of OIC Center Director Elsa Parot.

In her opening remarks, Ms. Parot discussed her strategic, operational and administrative policies. She seeks for more partnerships, evaluation of extension programs, human capital enhancement and building of new character. ‘Dapat lagi tayong bida.’ she emphasizes as she also wants to bring ATI-RTC V back to limelight.

She also stresses the leveling up of learning sites to become farm tourism sites. In addition, she also pursues the establishment of learning site in every municipality in the region. She also wants to tap the agencies under the Department of Agriculture for after-training support.

After which, there were presentations of 2019 Work and Financial Plans (WFP) by section chiefs and focal persons. Those who presented were Engr. Joey Belarmino for Partnership and Accreditation Services Section; Ms. Melba Bonafe for Career Development and Management Services Section; Isagani Valenzuela Jr, Information Services Section; Nancy Anagao, Administration and Finance Unit and Emmanuel Orogo, Planning, Monitoring and Evaluation Services Unit.

Also Engr. Kristine Odoño, for rice program, Maria Caridad Camba for organic agriculture; Ms. Techie Lizaso, 4H and RBO; Edgardo Nacario, corn; and Regina Carla Padre, learning sites.

After the presentations, workloads of staff were distributed. Then, workshop was held for Individual Performance Commitment and Review (IPCR) preparations.

Mr. Orogo served as the project officer of the activity.

The workshop was held at ATI-RTC V compound in Pili, Camarines Sur last January 14, 2019.

New Training Facility

Finally, the Agricultural Training Institute – Regional Center V (ATI-RTC V) has its own dormitory.

Center Director Elsa A. Parot led the blessing and Inauguration of the new 2-storey dormitory and training hall. Joining her were former directors Vivien V. Carable and Dr. Efren Sabularse. The occasion coincided with the celebration of the 32nd foundation anniversary of ATI.

The new dormitory has 21 rooms that can accommodate 101 persons. On the other hand, the training hall can also hold similar number.

Ms. Parot expressed her gratitude to her predecessors for having the vision and initiating the construction of the dormitory. On the other hand, Ms. Carable, under whose term the dorm was constructed and completed, expressed belief that this will enhance ATI’s extension services.

Prior to the blessing. A ribbon-cutting and unveiling of dedication marker was held. Rev. Fr. Peter Hequilan officiated the ceremony.





ATI Bicol Center Director Elsa Parot (left) poses with newly promoted and regularized employees. Flashing their appointment papers are (left to right) Justine Rose Cano, Emmanuel Orogo, Danjhan Layco, Christian T.R. Tosoc, Nida Hagos, Ma. Luiza Tena and Ivan Angue.

Newly Promoted Employees

Indeed the dictum “Pag may tyaga, may nilaga” holds true especially for the seven employees of Agricultural Training Institute- Regional Training Center v (ATI-RTC V).

A permanent employee got promoted. More importantly, six job order (JO) workers got regularized.

Mr. Emmanuel Orogo was promoted as the new Planning Officer II. He was an erstwhile Planning Evaluation Officer and currently the head of Planning, Monitoring and Evaluation Unit.

The six JOs are Christian Tosoc as the new Media Production Specialist II, Nida Hagos as Development Management Officer I; Justine Rose Cano, Agriculturist I; Ma. Louiza Tena, Dormitory Manager II; Ivan Angue, Administrative Officer I, and Danjhan Layco, Administrative Aide VI. Messrs. Angue and Layco and Mss. Hagos and Cano had been JO for more than four years while Mr. Tosoc and Tena for two years and less. On the hand, Mr. Orogo had been a JO too before he got regularized in 2015.

They were sworn into by Center Director Elsa Parot last April 4, 2019.

Outstanding Employees

In recognizing the excellent performance of its employees- permanent and job order, the Agricultural Training Institute- Regional Training Center V Bicol held the first-ever Orgullo Awards.

Orgullo is the Bicol term for pride and honor.

The Orgullo Awards consists of the prestigious Employees of the Year Awards for the outstanding technical, and administrative permanent employees, and the Support Staff of the Year Awards for the exceptional technical, and administrative job order workers.

Aside from these, four major awards were also awarded for those who embody the core values of ATI.

The Exuberant Heart Award exemplifies the core value of Customer Focus or ‘giving the best.’ The award is given to employees who provide excellent service to customers and display a positive attitude, initiative, and resourcefulness.

The Task Champ Award epitomizes with the core value of Commitment or “serving with passion.’ This is granted to those who have shown exemplary conduct with co-workers and stakeholders, have exhibited personal values and actions that demonstrate integrity and ethics, and have supported efforts emphasizing strong ethics and leadership.

The Tenacious Striver Awards represents the core value of Resource Stewardship or ‘working with integrity and teamwork.’ This is awarded to those who are innovative and cost-effective, create a respectful, and welcoming working environment, and take action to enhance diversity and inclusivity.

The Sparkler Award embodies the core value of Innovation and Excellence or ‘raising the bar.’ This is presented to those who initiate high-impact ideas or processes that improve operational efficiencies

ATI Bicol Center Director Elsa A. Parot led the awarding ceremony. She commended the awardees for typifying the ATI motto of ‘Excellent Service Beyond Boundaries.’ She dared them to remain consistent while she urged other employees to emulate their colleagues and become awardees themselves.

Named the Employees of the Year were Mr. Emmanuel Orogo (technical) and Ms. Joy Rodriguez (admin). Mr. Orogo is the head of the Planning, Monitoring and Evaluation Services Unit, while Ms. Rodriguez is the center's budget officer.

Both Mr. Orogo and Ms. Rodriguez bagged the Exuberant Heart Awards, Task Champ Awards, and Tenacious Striver Awards.

The Support Staff of the Year are Roberto Santos Jr. (technical) and Rachel Barizo (admin).

Mr. Santos took home the Task Champ Award and the Sparkler Award. Conversely, Ms. Barizo snared the Task Champ Award and the Tenacious Striver Award.

Other winners are:

- Dr. Franklin Bel T. Isip- Sparkler Award
- Ms. Stella D. Haber- Sparkler Award
- Mr. Alexander O. Vargas- Exuberant Heart Award
- Ms. Fatima O. Ayende- Exuberant Heart Award
- Mr. Jobenel R, Dela Torre - Tenacious Striver Award
- Ms. Ma. Rafaela V. Bajaro - Sparkler Award

The awarding ceremony was the highlight of the annual ATI Christmas Party held at ATI Dormitory and Training Hall, Pili, Camarines Sur last December 19, 2019.



ATI Bicol Center Director Elsa Parot (4th from left) and Assistant Center Director Vivien Carable (7th from left) pose with the winners of the Orgullo Awards. They are (left to right) Jobenel Dela Torre, Rachel Barizo, Fatima Ayende, Emmanuel Orogo, Joy Rodriguez, Roberto Santos Jr., Alexander Vargas, Ma. Rafaela Bajaro, Stella Haber and Dr. Franklin Bel Isip.



FREE ONLINE COURSES FOR AGRICULTURE AND FISHERIES



CROPS

- Sweet Hairy Balls Rambutan Production
- Juan and Coffee Talk: Robusta Coffee Production
- LET's Grow KAMATIS: Production Guide
- Cassavay sa Pag-asenso: Roots of Productivity
- CASSAVAy sa Pag-asenso: Primary Processing and its Market
- Rise and Grind: Coffee Processing as an Enterprise
- Good Agricultural Practices for Vegetable Production
- Cultivating Earth's Sweet Crop: The Sweet Potato
- Introduction to Adlay Prod'n & Product Development
- Jackfruit Nursery Management
- Gold in Grains: Cultural Management for Soybean
- Queen Pineapple Production and Postharvest Technology
- Mechanized Rice Transplanting Technology
- Basic Urban Gardening
- Managing Common Diseases in Banana
- Saving The Lost Harvest: Rice Post Prod'n Technologies
- Abaca Nursery Establishment and Management
- Treasure in Threads: Pinya Fiber Processing
- Cultural Management Practices of Abaca
- Abaca Pest Management
- Growing Bamboo for Profit and a Healthy Environment
- Integrated Pest Management for Banana
- Growing Banana in the Tropics
- Citrus Growing: A Promising Enterprise
- Savoring the Green Brew: Arabica Coffee Production
- From Seed to Seed: Online Course on Corn Production
- Production of High Value Crops in Greenhouse Jackfruit Production
- Increasing Corn Farm Productivity through Mechanization Technologies
- Straw Mushroom Growing: A Viable Agri-Enterprise
- Growing Vanda and Vandaceous Orchids
- Yummy Yam: Ubi Production

MARINES & FISHERIES

- Culture and Utilization of Pangasius
- Seaweed Farming

LIVESTOCK

- Basic Beekeeping
- Advanced Beekeeping
- Establishing Feed Resources for Your Goats
- Starting a Slaughter Goat Enterprise
- Technological Alternatives to Traditional Goat Breeding
- Technological Alternatives to Traditional Feeding Management
- Technological Alternatives to Traditional Herd Health
- AI at Your Cervix: Artificial Insemination Course for Raisers
- AI at You Cervix: Artificial Insemination Course for Technicians
- Meetylicious Mech: Slaughtering and Cutting Standards for Goat
- Hail the Quail. Quail Production
- Walang Aray sa AI: Artificial Insemination in Pigs
- Mastering the ABCs of Pig Production

SUSTAINABLE AGRICULTURE

- Growing Carrot the Natural Way
- Growing Rice Organically
- Understanding Climate Change in Agri-Fisheries
- Mokusaku: Wood Vinegar Production
- Organic Fertilizer for SA
- Vermicomposting: Trash to Cash
- Green Farming with Integrated Rice-Duck Farming
- Insects Away the Alternative Way

SOCIAL TECHONOLOGY COURSES



Department of Agriculture
AGRICULTURAL TRAINING INSTITUTE
Regional training Center V (ATI Bicol)
Diversion Road, San Agustin, Pili, Camarines Sur