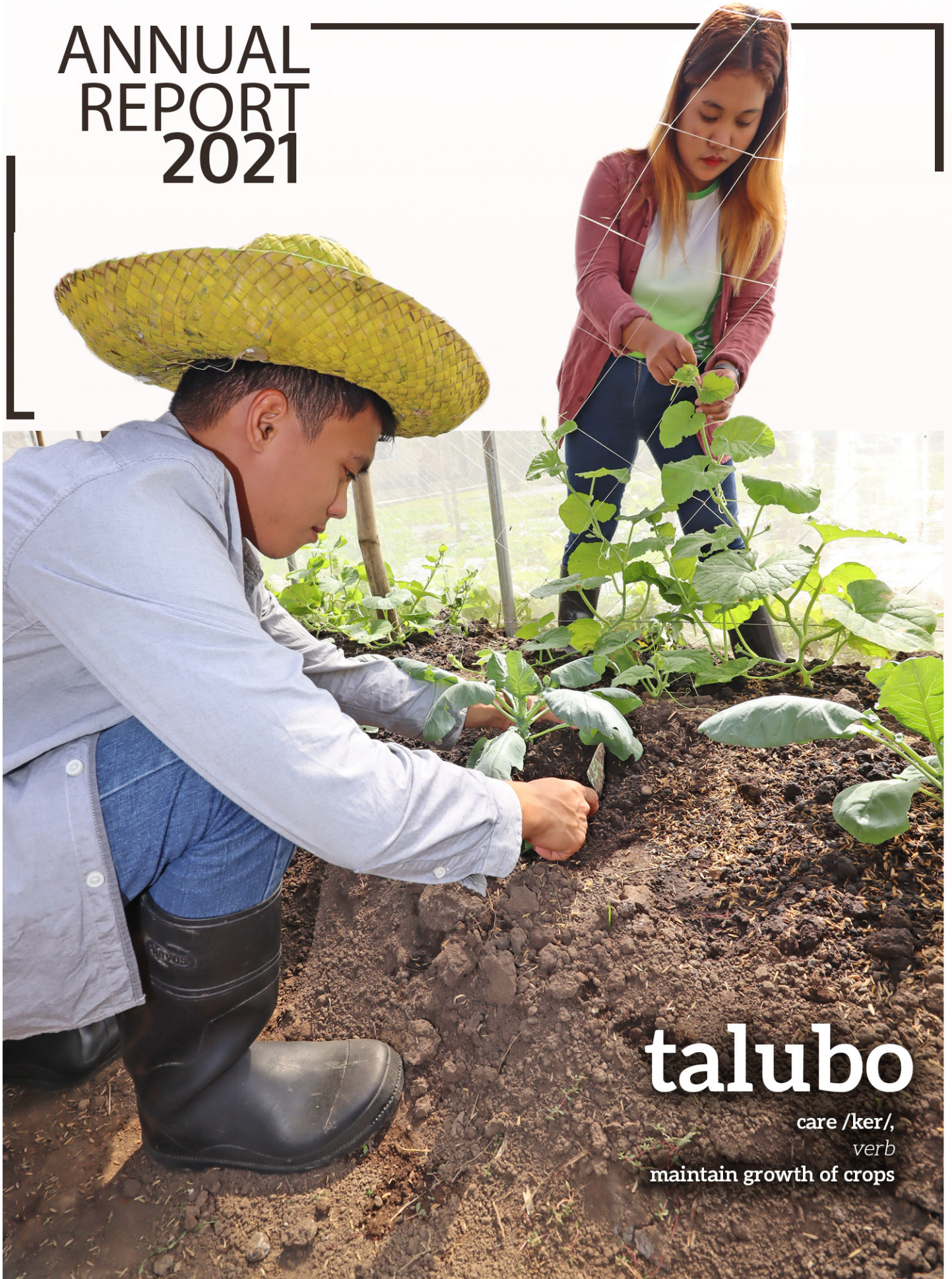


ANNUAL REPORT 2021



talubo

care /ker/,
verb
maintain growth of crops



DIRECTOR'S CORNER

The year 2020 brought unprecedented challenges to us all. For our Center, innovations came out of the need to overcome limitations caused by the global health crisis.

In previous years, particularly since my first full year as DA-ATI Bicol Center Director in 2019, I made it a point to emphasize the need for hard work, cooperation and discipline among members of my team.

We tilled the soil, infused it with nutrients and prepared the fields for sowing. It was a time for planting good seeds, because full-yielding crops had to be grown.

Thus, this year, the Sarabay spirit took root. With care and diligence the seedlings emerged, reached out towards the sunlight, and bore fruit.



Despite nationwide restrictions on movement to contain the spread of the 2019 Corona Virus Disease (COVID-19), the moratorium on face-to-face training and other assemblies, we continued to deliver training and extension services primarily through online and mass media platforms.

These services filled the void created by fear and uncertainty among the general public. Continuous stream of information and interventions showed the way for us – not just DA-ATI but all stakeholders in agriculture – to address the Bicolanos' most basic need for food and sustenance amid the national health emergency. The Plant Plant Plant and Urban Agriculture programs introduced multi-pronged approaches – seed and starter kits distribution, barangay Farmers Information and Technology Services Kiosks, free webinars via the social media and radio, among others.

We received an overwhelmingly positive response from our clients and partners, who communicated their needs to us. These feedbacks generated more innovations and partnerships with co-implementers in the private and public sectors.

The Sarabay momentum spread, unstoppable and spontaneous. Teamwork and bayanihan made it possible for us to counter the repercussions of the African Swine Fever which entered the Bicol Region followed by three successive

ELSA A. PAROT
Center Director



ANNUAL REPORT 2021

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pagpatalubo

care, nourish
verb
maintain growth of crops.

After bungkal (to till the land for planting) in 2019 and almasi (to set the seeds into the soil) in 2020, the 2021 Annual Report is themed pagpatalubo (to care and nourish the crops). This prepares for ani (to harvest) in 2022.

At each stage of farming, one's choices impact crop yield. This is particularly true with how one takes care of the growing crop. Crop care includes soil cultivation and water management, weeding, as well as pest and disease control. The plant needs regular maintenance of all factors crucial for proper development and growth. Faced with challenges in modern times, crop care needs precision agriculture techniques for better crop yields.

ATI Bicol seeks to consistently address the training and extension needs of the

agriculture sector. Advances and milestones prepare the way for the succeeding year's new targets.

The Center's Directorate and Staff exerted full efforts to maintain its commitment to the ATI Corporate Plan FY 2017-2022 which is guided by the Philippine Development Plan 2017-2022. In 2021, the year before the time of reckoning, the Center sought to efficiently and effectively use resources so as to get optimum results in line with the Sustainable Development Goals of eliminating poverty and hunger.

Anchored on the Department of Agriculture's thrusts and advocacies, ATI Bicol contributes to realizing food availability and affordability for every Filipino family through leadership and excellence in agriculture and fishery extension services.

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."

LEGEND

4H	4H Club's Core Values (Head, Heart, Hands, and Health)
AESA	Agro-Ecosystem Analysis
AEW	Agricultural Extension Worker
AF	Agriculture and Fisheries
ASEAN	Association of Southeast Asian Nations
ASF	African Swine Fever
BAFEN	Bicol Agriculture and Fishery Extension Network
BBO	Barangay Biosecurity Officers
BFAR	Bureau of Fisheries and Aquatic Resources
BINHI	Binhi ng Pag-Asa Program
BPI	Bureau of Plant Industry
BPI-NSQCS	BPI-National Seed Quality Control Services
BSWM	Bureau of Soil and Water Management
BUCAF	Bicol University College of Agriculture and Forestry
CBSUA	Central Bicol State University of Agriculture
CFBW	Composting Facilities for Biodegradable Wastes
CLSU	Central Luzon State University
COVID-19	2019 Corona Virus Disease
CRH	Carbonized Rice Hull
CVO	City Veterinary Offices
DA	Department of Agriculture
DA-ATI Bicol	DA-Agricultural Training Institute-Regional Training Center V
DOH	Department of Health
DOLE	Department of Labor and Employment
ECCD	Early Childhood Care and Development
F2C2	Farm and Fisheries Clustering and Consolidation Program
FAA	Fish Amino Acid
FITS	Farmers Information and Technology Services
FBS	Farm Business School
FFS	Farmer Field School
FFJ	Fermented Fruit Juice
FPJ	Fermented Plant Juice
FLS	Farmers' Livestock Schoolx
GAD	Gender and Development
GAP	Good Agricultural Practices
GMP	Good Manufacturing Practices
HVCDP	High-Value Crops Development Program
ICT	Information and Communication Technology
IEC	Information, Education, and Communication
IMO	Indigenous Micro-Organisms
IP	Indigenous People

IPM	Integrated Pest Management
KP	Knowledge Product
KSA	Knowledge, Skills and Attitudes
LFT	Local Farmer Technician
LGU	Local Government Unit
LSA	Learning Site for Agriculture
MAO	Municipal Agriculture Office
MOA	Memorandum of Agreement
MOET	Minus-One Element Technique
NEAP	National Extension Agenda and Programs
NGA	National Government Agency
NGRP	National Gender Resource Pool
NLP	National Livestock Program
NMIS	National Meat Inspection Service
OAP	Organic Agriculture Program
ODL	Online Distance Learning
OHN	Oriental Herbal Nutrient
OPAG	Office of the Provincial Agriculturist
PAFES	Province-Led Agriculture and Fisheries Extension System
PBP	Plans and Budget Proposals
PCW	Philippine Commission on Women
PGS	Participatory Guarantee System
PhilRice	Philippine Rice Research Institute
PhilMech	Philippine Center for Postharvest Development and Mechanization
PHRTC	Postharvest Horticulture Training and Research Center
PPA	Programs, Projects and Activities
PTD	Participatory Technology Demonstration
PVO	Provincial Veterinary Offices
PWD	Persons With Disability
RAFC	Regional Agricultural and Fishery Council
RBO	Rural-Based Organization
RCEF	Rice Competitiveness Enhancement Fund
RCEF-RESP	RCEF-Rice Extension Services Program
RDE	Research & Development and Extension
RIC	Rural Improvement Club
RSBSA	Registry System for Basic Sectors in Agriculture
RCM	Rice Crop Manager
SC	Senior Citizens
SMS	Subject Matter Specialist
SOA	School on the Air
SPA	School for Practical Agriculture
SUC	State Universities and Colleges
TESDA	Technical Education and Skills Development Authority
TMS	Training Management Staff
TOT	Training of Trainers
UPLB	University of the Philippines Los Baños
USB	Universal Serial Bus

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AGRICULTURAL TRAINING INSTITUTE - REGIONAL TRAINING CENTER 5



LEARN	EXHIBIT	ADVISE	DISSEMINATE	SUPPORT
 <p>Strengthening Competency and Competitiveness through Capability Building</p> <ul style="list-style-type: none"> - Curriculum Development - Professionalization of AEWs - Capability building of clients along the Value Chain - Facilitation of extension support to assist project sustainability 	 <p>Modeling Technologies, Best Agriculture and Fisheries Extension Practices and Innovations</p> <ul style="list-style-type: none"> - Establishment of techno-demo sites - Scale-up clients farms into learning sites, learning communities, School for Practical Agriculture and Farm Tourism 	 <p>Empowering Farmers and Fisherfolk through Advisory Services</p> <ul style="list-style-type: none"> - Organization of farmers & fisherfolk - Coaching and mentoring activities and technical assistance 	 <p>Enhancing Agriculture Fisheries Extension Knowledge Products and Services</p> <ul style="list-style-type: none"> - Development and dissemination of quality knowledge products - Development and management of information system 	 <p>Improving Enabling Environment and Governance for Agriculture and Fisheries Extension</p> <ul style="list-style-type: none"> - Development and harmonization of policies, standards and protocols - Planning, monitoring and evaluation mechanisms for the AFE system - Strengthening partnerships and linkages among different AFE stakeholders



Strengthening Competency and Competitiveness through Capability Building

Complying with restrictions to control the spread of Covid-19, ATI Bicol carried out customer-focused training services, hand-in-hand with the development of innovative training modules as well as management of Agriculture and Fisheries (AF) scholarship grants. Face-to-face activities followed strict health protocols, including antigen testing, wearing of face-masks and face shields, physical distancing, installing transparent table barriers, and limiting the number of participants.

Education and Training in the New Normal

ATI Bicol recalibrated its extension strategies and advisory services to respond quickly to clients' needs. The Center conducted 176 training courses despite the pandemic. A total of 3,694 clients were served including 27 percent Agricultural Extension Workers (AEWs) as well as 73 percent farmers, youths, rural women, persons with disability (PWDs), senior citizens, among others.

These training courses used face-to-face and online modalities. In areas with stringent border controls, the Regional Training Center tapped Local Government Units (LGUs) to implement the training courses for farmers with the Training Management Staff (TMS) complying with health protocols. The LSA farms served as venue for the training courses whenever possible.

During online activities, the participants participated through apps such as "Quizizz" and "Menti" to demonstrate the learnings they gained, as well as "Jamboard" to input during workshops. Participants in online courses received either of two types of certificates: the Certificate of Completion for those who passed the pointing system, and the Certificate of Participation for those who did not.

Training Services for the AF Clients Along the Value Chain

The Center completed 176 need-based training courses to enhance the Knowledge, Skills and Attitude (KSA) of participants, accomplishing 100 percent of the year's targets on production technologies along the value chain of rice, corn, high-value crops, organic agriculture, livestock and poultry, as well as social technologies.

The training courses reinforced the technical proficiency and livelihood of 3,694 AEWs, farmers/fisherfolk and other AF stakeholders, representing 103 percent accomplishment of the year's target participants.

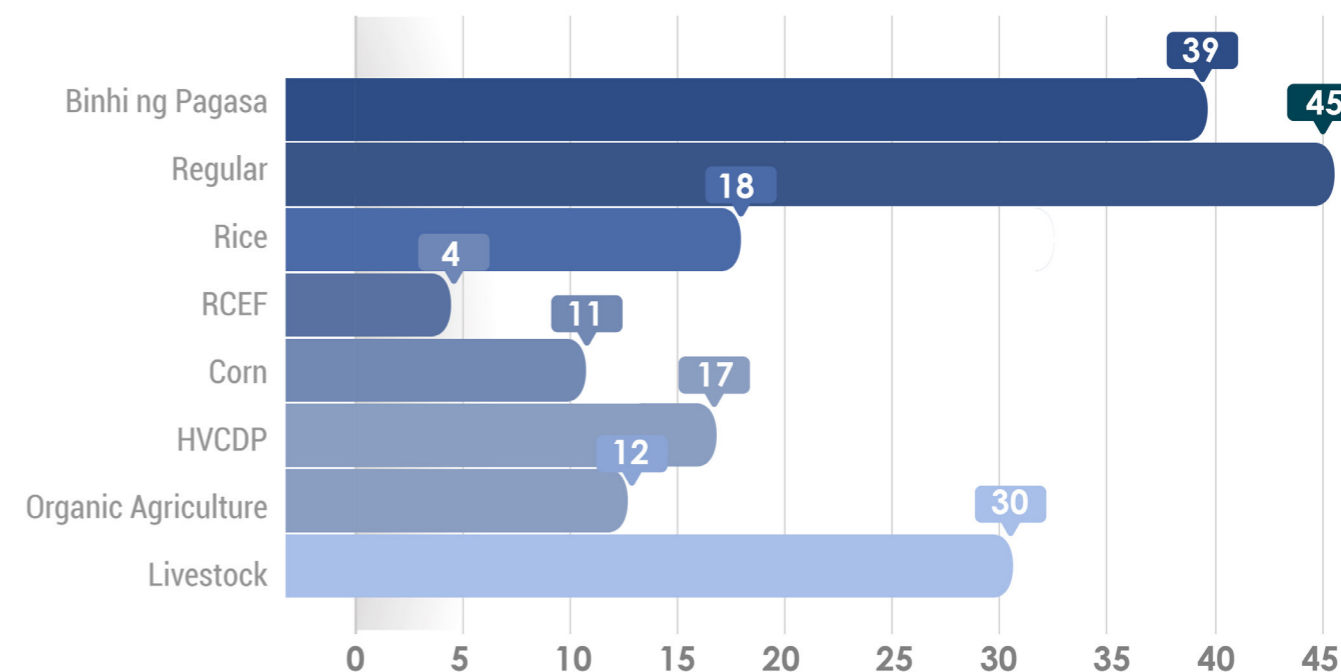
These participants represented the three pillars of the extension system, namely the National Government Agencies

(NGA) as well as the State Universities and Colleges (SUC) sector, LGUs, and the Private Sector.

The training courses derived funds from the regular budget allocation as well as funds from five Department of Agriculture (DA) banner programs and two special projects – the Rice Competitiveness Enhancement Fund (RCEF) and Binhi ng Pag-asa Program (BINHI).

Regular funds produced the highest number of training courses and participants, followed by BINHI, National Livestock Program (NLP), Rice Program, and High-Value Commercial Crops Program (HVCDP).

Additionally, the Organic Agriculture Program (OAP), Corn Program, and RCEF had the least number of training courses conducted and stakeholders served.



Distribution of Training Programs

Meanwhile, ATI Bicol through its Regular, Rice, RCEF and OA Program conducted 16 other AF activities such as Awareness Campaigns and Consultation Meetings, engaging 1,796 participants.

Research & Development and Extension (RDE)

An initiative to promote matured agricultural technologies produced by SUCs, the Farmers Training from Output of Technology Researches closed the loop between research and extension.

In partnership with the Central Bicol State University of Agriculture (CBSUA), the **Vetiver Grass Awareness Course** highlighted the benefits of vetiver, which include soil erosion control, additional income, phytoremediation, and production of a expensive essential oil. Beyond generating appreciation for vetiver, the course is a research-based awareness campaign to optimize the use of this ecologically and economically important grass. CBSUA distributed vetiver grass planting materials to attendees of the course.

- At the Bermudez Agricultural Farm, San Juan St., Minalabac, Camarines Sur on June 29, 2021, two batches of attendees comprised 20 farmers from Barangays Del Socorro, Antipolo, Magadap, Sagrada, San Felipe, Santiago, Del Carmen Del Rosario, and San Juan San Lorenzo.

- In Ragay, Camarines Sur on June 29, 2021, 20 young farmers from the Cabinatan Integrated-Diversified Farmers Association attended the orientation.



- At Sonrisa Farm, Brgy. Carangcang, Magarao, Camarines Sur on September 23, 2021, 18 farmers and community members attended the orientation.

- At Mercedes Science Farm, Tarum, Libmanan, Camarines Sur on November 23, 2021, the attendees consisted of 22 LSA staff, farmers from various barangays, and the MAO representatives.

- Via Zoom on December 28, 2021, 10 farmer leaders from various municipalities of Camarines Sur attended the orientation.

Training of Trainers (TOT)

ATI Bicol conducted training programs on various technologies for AEWs who, in turn, shall equip rice farmers with new knowledge, attitude and skills. Six batches of TOT on Farm Business School (FBS) prepared AEWs for FBS establishment in their respective cities/municipalities. To complement the discussions, the trainees each did micro-teaching and prepared

their action plan to conduct the FBS in their respective areas. FBS is an extension approach that aims to build knowledge and improve the entrepreneurial skills of farmers and fisher folks to make their respective farms more profitable by collectively and collaboratively addressing marketing problems and opportunities.

- In Albay, 15 AEWs attended the TOT conducted at the Municipal Evacuation Center in Oas on April 12-16, 2021.

- In Camarines Sur, 15 AEWs per batch attended the TOT at the Cultural Heritage Center in Barangay Caraycayon, Tigaon on June 14-18, 2021; at the Hall of the Liga ng mga Barangay in Sipocot on June 28-July 2, 2021; at the City Agriculture Extension Office, City Terminal, Iriga City on July 28-August 3, 2021; and at Villa Rosita Hotel, Concepcion Pequeña, Naga City on August 25-September 1, 2021.

- Eight AEWs and 15 academe-based AEWs attended the TOT held at the CBSUA Agro-Soil Building in Pili on September 27-October 8, 2021.

The TOT for Local Farmer Technicians (LFT): **Enriching Competency of LFTs on Modernized Rice Production Technology and Project Proposal Writing** took place in Casa Feliz, Juban, Sorsogon on March 15-19, 2021. It tackled the updated technologies on rice production and strategies in project proposal development. The activity trained 20 farmer-leaders to reinforce the number of LGU-based AEWs who develop and promote modern rice production and post-production technologies.

The **Distance TOT on RCM Advisory Service** transpired via Google Meet on April 20-23, 2021 with 15 FITS Centers participating. AEWs were briefed on the use and navigation of RCM Advisory Services namely the Rice Crop Manager, RCM User Registration, RCM Farmer and Field Registration, RCM Android App, RCM ID





Maker, RCM Monitor, RCM Statistics, and the use of a geotagging device. They registered rice farmers at the RCM database, measured their farms, and conducted interviews using the RCM applications. They also provided printed RCM-generated recommendations for the farmers that contain advice on nutrient management, weed management, crop health management, controlled irrigation schedule, and target yield.

Three batches of the **Capability Enhancement for AEWs: Technology Updates on Modernized Rice Production and Rice Pests and Calamities Damage Assessment** happened on April 19-23, 2021 in Daet, Camarines Norte; on May 17-21, 2021 at the Macagang Business Center, Nabua, Camarines Sur; and June 28-July 2, 2021 at the Unica Hija Hotel and Resort in Masbate City. Each batch of training participants comprised 20 AEWs who honed their skills on the PalayCheck System production technologies as well as rice pests, diseases and calamities damage assessment towards the estimation of agricultural production for a given period and total losses in agriculture.

ATI Bicol conducted training programs

for AEWs who will capacitate high-value crop farmers. Two batches of the TOT on Integrated Pest Management (IPM) for Vegetables via Zoom took place on June 22-25, 2022 and June 28-July 1, 2021. Each batch had 20 AEWs who learned how to make sound decisions concerning pest management and how to train vegetable farmers on IPM. Twelve SMS, all University of the Philippines Los Banos (UPLB) Researchers and Scientists based at the National Crop Protection Center, discussed IPM, its significance and challenges in sustainable agriculture, insect pest management, vegetable diseases and their management, integrated weed management, pesticide management, and pesticide resistance management. The online TOT ensured participation of attendees by using online tools such as quizizz.com, menti.com, and chat box.

Two batches of the **TOT on Postharvest Handling for Selected Lowland Vegetables** transpired via Zoom on August 17-20, 2021. The activities trained 40 AEWs representing all six provinces in the region on appropriate postharvest technologies to maintain quality and safe vegetables with prolonged postharvest shelf life, and how to train vegeta-

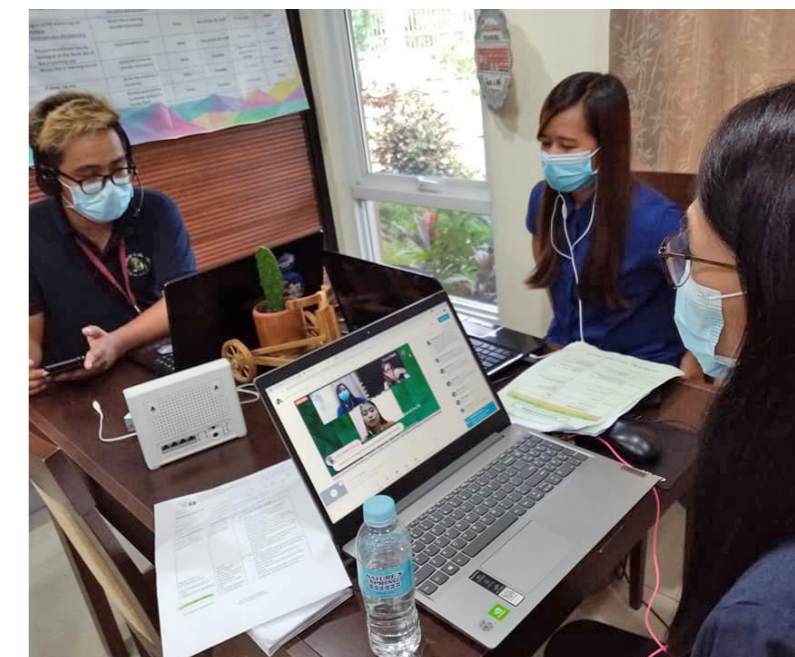
bles farmers on minimizing food security safety hazards. Resource persons consisted of two researchers from the UPLB Postharvest Horticulture Training and Research Center. The topics included postharvest handling of lowland vegetables, minimizing food safety hazards by improving postharvest handling, reasons why do vegetables deteriorate, harvesting and maturity determination, market preparation, packaging, transport, storage, and retail display.

Rural-Based Organizations (RBOs)

RBOs such as the Rural Improvement Club (RIC) and 4H Club serve as partners in channeling extension interventions such as information and services for communities. DA-ATI strengthened the capacity of RBOs to effectively use and relay innovations and achieve a multiplier effect in organizations.

- **Empowering Women: Leadership and Organizational Management Training for RIC Officers of Camarines Norte** at Prime Suite Hotel, Daet, Camarines Norte on April 20-22, 2021 – Fifteen (15) RIC leaders learned strategies to manage and sustain their organizations. The training delved on team building, work effectiveness, good governance, parliamentary procedures, organizational behavior, and action planning.

- **Online Distance Learning (ODL) on Empowering the Youth: Organizational Management and Governance for 4H Leaders of Albay** via Zoom on June 23-25, 2021 – Fourteen (14) youths



learned the essential skills, attitude and knowledge on organizational management towards improved leadership, technical and decision-making skills. Supposedly face-to-face, the training transpired online in view of the increasing number of COVID cases in Albay and the Provincial Government's suspension of face-to-face gatherings. The topics discussed developed the youths' skills on 4H operation and management, transformational leadership, team building, work effectiveness, parliamentary procedures, organizational governance and management.

- **Training on Organic Vegetable Production for 4H Members** at Barangay San Roque, Bula, Camarines Sur on June 28-30, 2021 – Fifteen (15) youths took part in various field activities. They received starter kits in the form of farm tools and inputs to be used for the establishment and maintenance of their 4H Gardens.

- **Bicol 4H/Youth Summit: 4H Camp** via Zoom on August 31-September 1, 2021 – Fifty 50 4H Club members and leaders from all six provinces of the Bicol Region enhanced their leadership skills, gained valuable life skills, shared experiences, as well as showcased their best practices and innovations in the field of agriculture and farming. The youths appreciated the activity as it enlightened them on their roles as future leaders of global communities.

- **Adopt-a-Farm Youth Program (4H Club): A Farm-Based Training Program on Integrated Farming System** at the ATI Bicol Compound on November 2-30, 2021 – Two young agripreneurs from Albay and Camarines Sur took part in the month-long program to increase their knowledge and skills on integrated farming system technology, farm machinery operation, farm record keeping, planning, budgeting, and marketing. The program instilled essential values among the youths particularly the dignity of agricultural labor.



Online Presence

The ATI Bicol Sarabay Channel Online Interventions addressed the clamor from its social media followers for more information on specific topics.

- **Online Free Seminar on Fruits and Vegetables Processing Technology** on May 20, 2021

- **Webinar on African Swine Fever and Biosecurity for Pig Farms** on June 25, 2021

- **Pangangalaga at Produksyon ng Kuneho, Patok Na Negosyo!** on July 29, 2021

- **Usapang Rabbit Part II: Rabbit Meat and By-Products** on August 31, 2021

- **Bamboo: The Green Gold** on September 16, 2021

- **Propagation of Selected Fruit-Bearing Trees** on September 29, 2021

- **Dragon Fruit Production** on October 21, 2021

- **Miniature Garden Making** on October 28, 2021

- **Goat Raising: A Promising Opportunity to Livelihood** on November 24, 2021

- **Fish Processing** on November 29, 2021

- **Usapang Kambing Part II: Goat Meat Processing** on December 13, 2021

Specialized Clients

ATI Bicol recognized the contribution of senior citizens, PWDs, and other specialized clients in nation building, through its interventions.

- **Training on Herbal Production, Processing and Utilization for Rural Women (Intervention for Senior Citizens)** at Dacara's Farm, Palestina, Pili, Camarines Sur on April 28-30, 2021 with 15 women participants. They learned the principles of phototherapy and herb utilization, organic herb plantation establishment, organic fertilizers, organic pest and disease control, herb processing, and preparing culinary herbs.

- **Online Training on Container and Square Foot Gardening Technology (Intervention for PWDs)** on June 28-30, 2021 via Facebook and the ATI Bicol Sarabay YouTube Channel. It tackled organic vegetable production, vegetable seedling establishment, cultural management of vegetables, pests and diseases management, advantages and preparation of natural inputs.

- **Buntis Forum: Pregnant Amidst Corona Virus Pandemic** happened via Zoom on June 23, 2021 supporting the National Safe Motherhood Program of Department of Health (DOH).



IDOL KO SI NANAY
Learning Sessions for the First 1000 Days of Life

Module 3 Session 5

HEALTHY SIGNS OF PREGNANCY

- 1. Normal increase in weight**
 - According to trimester of pregnancy
 - Total increase in body weight should be 20% of pre-pregnancy BMI

in Mol

Need-Based Training

The Center funded on-demand technology-based training courses for its intended clients.

- **Training on Native Chicken Production** at Sonrisa Farm Assessment and Learning Center Inc., Barabay Carangcang, Magarao, Camarines Sur on October 20-22, 2021 – Fifteen (15) farmers learned the technology of raising native chicken for livelihood and food production in the region.

- **Training on Hydroponics Gardening** at MA-DA Bustamante Family Farm School, Oas, Albay on November 26-28, 2021 – Fifteen (15) women and youths participated in the lecture and hands-on demonstration about the six fundamental types of hydroponics systems – namely, Wick System, Water Culture, Ebb and Flow (Flood and Drain System), Drip Method, Nutrient Film Technique (NFT), and Aeroponic.

- **Training on Mushroom Production and Processing for SAGSANLAG Organic Farmers Association Inc.** conducted at the SAGSANLAG Training Hall, San Jose, Camarines Sur on August 24-26, 2021 – Attended by 15 AEWs and farmers as participants. The DA-Regional Field Office provided after-training support in the form of fruiting bags and drums for soaking of substrates/pasteurization.



- **Training on Oyster Mushroom Production** at Sonrisa Farm Assessment and Learning Center Inc., Barabay Carangcang, Magarao, Camarines Sur on October 15-17, 2021 – Attended by 15 members of women and youth organizations. They learned Government Programs and Interventions in Mushroom Industry, Biology, Genetics and Breeding, Principles in Mushroom Cultivation and Production, Mushroom Nutritional and Medicinal Properties, Mushroom Cultivation Technology, Phases of Mushroom Cultivation, Mushroom Diseases and Post harvest Handling.

Post-Training Support

Various capability building activities for farmers extended post-training support to further enhance their farming practices.

- **The Farmers Training on Rice Pests & Diseases Management with ICT Diagnostic and Decision Support Tools for Nutrient Management** took place in Juban, Sorsogon on May 25-27, 2021 with 20 rice farmers as participants. The activity aimed to enhance the participants' knowledge and skills in identifying and managing rice pests and diseases as well as nutrients of rice crop using the latest ICT tools, as well as conducting AESA and ethical use of pesticides.

- **The Farmers Training on Rice Pests & Diseases and Nutrient Management Using RCM and MOET** gathered together 20 rice farmers in Barangay San Juan, Del Gallego, Camarines Sur on June 15-17, 2021. The practicum focused on identifying rice pests and diseases during AESA and setting up of MOET.

- **The Training on Intensifying Farmers' Income through Rice-Duck Integrated Farming System** at the BIFA Farm, Barangay Itok, Capalonga, Camarines Norte happened on July 13-15, 2021. Coming from various barangays, 20 rice farmers learned about backyard duck raising in a rice-based integrated farming system. Duck is the second largest poultry industry, providing rural families with income from eggs and meat.

Short Courses for Farmers

The **Capability Enhancement for Farmers: Facts in Fields (Farmers Training on Nutrient and Pest and Diseases Management)** took place in Placer, Masbate on March 3-5, 2021. It equipped 20 farmer participants from Barangays Cabancalan and Nainday with knowledge and skills necessary to apply proper nutrient and pest and disease management in their rice field including responsible and ethical use of pesticides.

The **Training Course on Strengthening Marketing Strategies of Albay Farmers Community-Based for Bountiful Rice Production** transpired in Barangay Bonga, Ligao City on April 13-15, 2021. It aimed to teach 20 farmer participants who are members of the Masaganang Magsasaka ng Bonga, Inc. and Herrera Integrated Farmers Association in Ligao City to apply GAP and proper marketing strategies in selling their products.

The **Training on Inbred Rice Seed Production, Certification and Quality Control for Seed Growers** transpired at the Prime Suite Hotel, Daet, Camarines Norte on August 18-20, 2021 with 24 seed growers as participants in the retooling course. Seed growers play a vital role in the rice seed supply system, ensuring the availability of high-quality rice seeds, maintaining the genetic diversity in their own fields, and in improving inbred rice seed cultivars.

Season-Long Courses for Farmers

ATI Bicol assisted small-scale farmers through six batches of **Climate Resilient FBS for Farmers** which established cropping season-long climate-smart business farming classes with weekly AESA in rural communities. The FBS Modules focused on transformational leadership, the ASEAN economy and GAP, climate change and ecosystems management and restoration, climate-smart agriculture, adaptation and mitigation strategies in rice production, as well as financial literacy in farming.

- Barangay San Ramon, Bula, Camarines Sur on May 26 to October 27, 2021 with 20 participants who are members of San Ramon-San Agustin Farmers' Cooperative/F2C2 beneficiaries. The PTD area showcased rice production in 3,811 sqm and vegetable production in 100 sqm.

- Barangay Pinugusan, Del Gallego, Camarines Sur on May 25 to October 29, 2021 with 20 participants from Barangays Pinugusan, Magais I, and Comadogcadog. The PTD area showcased rice production in 2,500 sqm and vegetable production in 100 sqm.

- Barangay Ligao-Boclod, San Jose, Camarines Sur on May 26 to October 27, 2021 with 20 participants who are members of Boclod Farmers Association. The PTD area showcased rice production in 1,000 sqm and vegetable production in 100 sqm.

- Barangay Ligban, Camalig Albay on May 26 to October 28, 2021 20 participants who are members of Ligban Farmers' Cooperative. The PTD area showcased rice production in 1,000 sqm and vegetable production in 100 sqm.

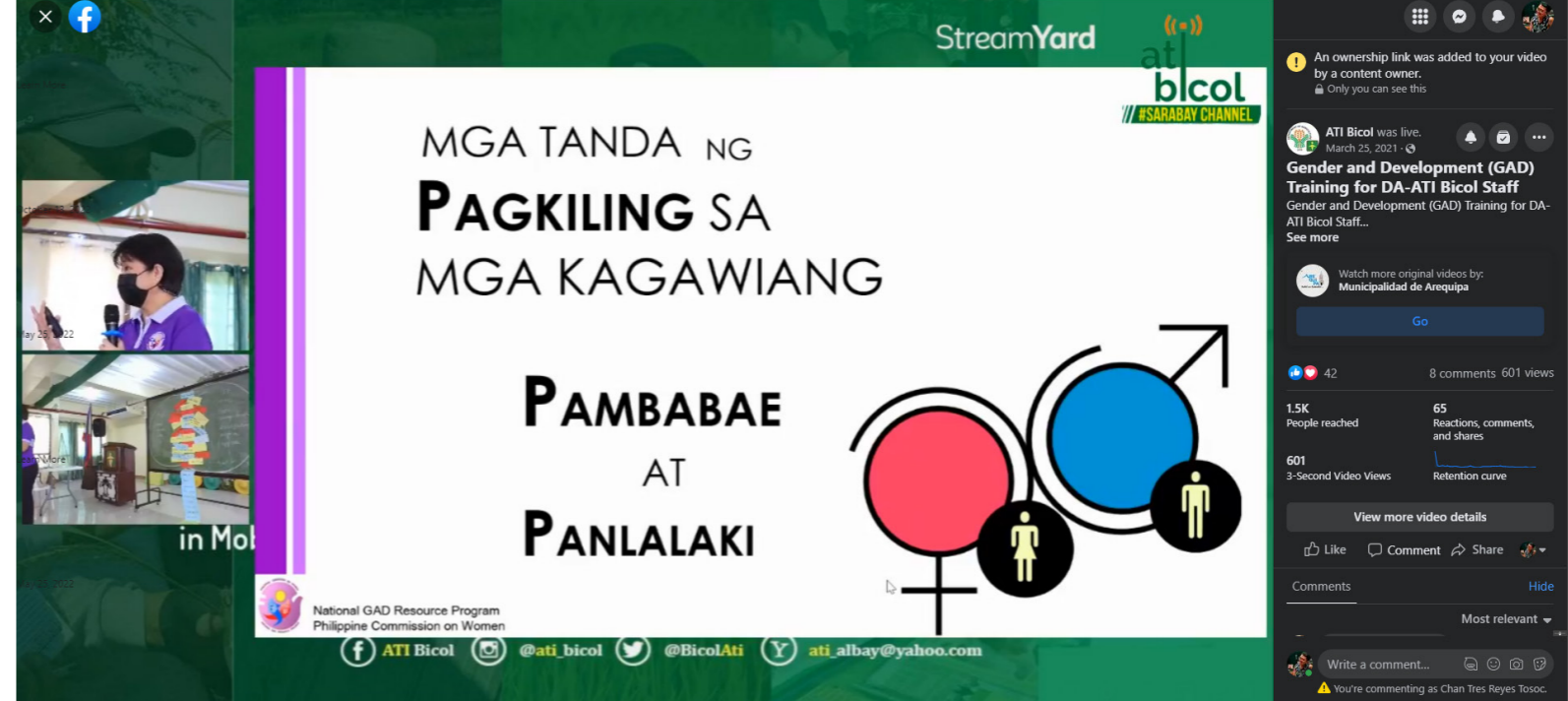
- Barangay Sta. Cruz, Palanas, Masbate on May 24 to October 29, 2021 with 20 participants. The PTD area showcased rice production in 1,000 sqm and vegetable production in 100 sqm.

- Barangay Napilihan, Vinzons, Camarines Norte on May 21 to October 28, 2021 with 20 participants. The PTD area showcased rice production in 1,000 sqm and vegetable production in 100 sqm.

Gender and Development (GAD)

In line with Republic Act 7192 or Women in Development and Nation Building Act of 1992, and Republic Act 9710 or the Magna Carta of Women, the Center's GAD initiatives created expanding circles of influence to promote more equitable opportunities for women in agriculture and gender-responsive governance.

- The **GAD Training for ATI Bicol Staff** at the Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on March 25-27, 2021 trained 40 administrative and technical staff on gender-based effectiveness skills needed in delivering gender-responsive extension programs and activities. The Philippine Commission on Women's



Philippine National Gender Resource Pool (PCW-NGRP) GAD consultants served as Resource Persons. Likewise, Women of the World and John Maxwell-trained Resource Persons talked on the silent but powerful female strength through Competence, Character, and Connection.

- The **ODL on GAD for AEWs** transpired on April 27-29, 2021 at 8:00 am-12:00 noon to enhance the AEWs' gender-based effectiveness skills that they can use to respond to gender issues. With the newly minted ATI Bicol GAD Trainers serving as Resource Persons, the training familiarized the participants with the legal mandates as well as GAD issues and current realities. It spotlighted gender mainstreaming tools for the workplace and communities. The ODL on GAD livestreamed on Facebook and YouTube through the ATI Bicol Sarabay Channel.

- The **GAD Training for Farmer Leaders (Social Technology and GAD Training for LSA**

Cooperators) took off at the ATI Compound in Pili, Camarines Sur on June 16-18, 2021 and served 15 newly-certified LSA cooperators from Albay and Camarines Sur. The course aimed to improve the knowledge and skills of the newly certified LSA Cooperators on farm development. It also sought to develop the participants' appreciation of extension methods, approaches, and strategies including the OneDA approach; social concepts such as GAD and agritourism; as well as PWD, senior citizens, and Early Childhood Care and Development (ECCD)-sensitive extension

ATI @ 34

The Center celebrated its **34th Anniversary with a Kick-Off Rally, dubbed ATI Bicol: Precious @ 34 Beaming with Passion and Delight**, on January 29-February 1, 2021.

- An inaugural activity of the **ATI Bicol Meat Hub, "Mary and Melba's Kitchen"** streamed online



via Facebook and the ATI Bicol Sarabay YouTube Channel to sidestep the restrictions on face-to-face activities. An ODL **on Meat Processing, "Mary and Melba's Kitchen"** launched the ATI Bicol Meat Hub and engaged RIC members in the various provinces of the region. LSAs with strong internet connection served as on-site venue of the ODL.

- Through a jingle competition among the Center's units and sections, the Center's personnel unleashed their skills in composing and playing musical instruments.

- All staff participated in a "Reflection of Year 2020 Experiences," after which an international lunch served to strengthen the camaraderie and teamwork among the personnel in executing targets for the year.

Program Consultations

Non-training activities addressed the program management needs of the Center's partners.

- **Consultation Workshop with Stakeholders and Crafting of FY 2022 Plans and Budget Proposals (Consultation and Needs Assessment for FY 2021-2022)** via Zoom on January 19-20, 2021 discussed the FY 2021 and FY 2022 HVCDP PPAs as required by the DA budget call for FY 2022 Plans and Budget Proposals (PBP) to avoid overlapping of activities. The participants comprised 60 coordinators and training officers of all DA banner programs from all six provinces of the region.

- **1st Quarter Consultative Meeting of BAFEN** via Zoom on February 23, 2021 with 21 member agencies present familiarized stakeholders with the FY 2021 Programs, Projects and Activities (PPA) of ATI Bicol and harmonized extension services to strengthen linkages among member agencies of the Network.

- **Inter-Agency Consultation Workshop on OAP** at ATI Bicol, San Agustin, Pili, Camarines Sur on March 1-2, 2021 identified

strategies and learnings to enhance collaborative trainings and extension activities in organic agriculture. In addition, the stakeholders submitted their respective FY2022 and FY2023 proposed PPAs to be used by ATI Bicol for identifying future activities.

- **4th Quarter Consultative Forum of BAFEN** via Zoom on November 24, 2021 informed and updated the stakeholders with the matured technologies and results of various evaluation studies conducted by the SUCs as well as harmonized extension services in view of the FY2022 implementation of the Mandanas-Garcia Ruling. Dr. Rex L. Navarro, former Director at ATI and currently a member of Coalition of Agricultural Modernization of the Philippines, discussed the Province-Led Agriculture and Fisheries Extension System (PAFES).

- **Development of the National Extension Agenda and Programs (NEAP) for FY 2022-2028** on May 28 to July 2021 through a combination of face-to-face and online consultation-workshops.

- **Outputs to Outcomes: A Shift to Results-Based Monitoring and Evaluation System** via Zoom on August 9-13, 2021 with 22 active BAFEN members as participants.

- **Regional Consultation Workshop of Corn and Cassava Program Implementers** conducted via Zoom on October 26, 2021. The

participants – 20 AEWs from the provinces of Albay, Camarines Norte, Camarines Sur, and Masbate – discussed their respective FY2021 accomplishments, targets and resource requirements for FY2022, as well as training and extension needs for FY2023.

- **The National Livestock Program (NLP) Stakeholders Consultation Meeting** transpired at Isarog Hall, ATI Compound, San Agustin, Pili, Camarines Sur on November 9, 2021 to familiarize stakeholders with the 2021 Accomplishments of ATI Bicol and DA-RFO5, as well as the proposed FY 2022 PPAs for NLP. Made possible with close collaboration of the Provincial LGUs, 25 AEWs and farmers participated in the consultation meeting, including key DA-RFO5, LGU and Regional Agricultural and Fishery Council (RAFC) officials.

In-House Institutional Development

- **The 6th Management Review (ISO 9001:2015)** on March 3-4, 2021 and the 7th Management Review on August 5-6, 2021 assessed the Center's Quality Management System every semester to ensure its continuing suitability, adequacy, effectiveness and alignment with the strategic direction of the organization.

- **The FY 2021 Midyear Performance Review** on July 27,

2021 reviewed the progress of implementing the regular and banner program targets for FY 2021.

- The **Center's Internal Planning Workshop for 2022 Interventions** on October 12-13, 2021 laid down the deliverable PPAs of ATI Bicol for FY 2022.

- The **FY2021 Annual Performance Review** at Isarog Hall, ATI Compound, Pili, Camarines Sur on December 16, 2021 surfaced and presented the accomplishments of the Center's units and sections vis-à-vis the targets. Discussions elicited strategies for a more effective and efficient implementation of PPAs.



Organic Agriculture

In line with Organic Agriculture Act of 2010 (Republic Act No. 10068), ATI Bicol conducted various training and extension activities advocating organic farming.

The Principle of Care: Launching of Success Stories in Organic Agriculture Coffee Table Book on April 12, 2021 was a tribute to Ms. Ma. Caridad O. Camba, OAP Focal Person until her demise in April 2020.

The Training on Organic Vegetable Production for Indigenous People (IP) Community (Extension Initiatives Focused in Marginalized Farmers with Extension Support) at Pinit Tribal Community, Pinit, Ocampo, Camarines Sur on June 1-3, 2021 and the Training on Organic Vegetable Production with Extension Support

at Amuris Resort, Siruma, Camarines Sur on July 28-30, 2021 shared knowledge and information to enhance and develop the knowledge and skills on organic agriculture. The participants did hands-on activities on vegetable seed extraction, potting mix preparation, seed sowing, seedling, and making natural inputs/concoctions. Unlearning ineffective production practices and relearning productivity-enhancing technologies, the participants took up values re-orientation and mind setting, basic principles in organic agriculture, organic vegetable production, potting mix preparation, seedling establishment and care, crop establishment, land preparation, sterilization, transplanting and proper way of installing plastic mulch, fertilization, weed management, pest and disease prevention and control, as well as farm record keeping.

The Training on Organic Vegetable

Production, Vermicomposting and Organic Fertilizer happened at Tata Iboy Hall, Dela Cruz Farm, Taban, Minalabac, Camarines Sur on September 21-23, 2021. Topics discussed include values reorientation, land preparation, sterilization, transplanting, fertilization, weed management, pest and disease control, harvest and postharvest, farm record keeping, vegetable seed production and processing, seedling establishment, preparation of potting mix, seed sowing and seedling care. The participants did hands-on practicum on vermicomposting and making concoctions. To help participants start their backyard gardens, ATI Bicol distributed garden tools such as sprinkler, bolo, hoe, rake, seedling tray, assorted seeds, vermi worms, and vermi cast.

The Training on Organic Production of Vegetable, Concoctions and Fertilizers (Training on Organic Agriculture Production with Extension Support) transpired at Uma Koinonia, Sitio Calulod, Barangay Pawa, Masbate City on August 31 to September 2, 2021. The participants consisted of young farmers from Barangay Pawa. Forming three groups, they prepared Indigenous Micro-Organisms (IMO), Fermented Plant Juice (FPJ), Calcium Phosphate, and Carbonized Rice Hull (CRH). Discussions also focused on making kitchen waste compost, bokashi and vermibed, as well as organic vegetable potting mix. Participants learned how to sow seeds, transplant lettuce, insect sprays and traps.

The Training on Mushroom Production, Processing and Marketing (Training on OA Production Technologies with extension support) took place at the Parish Pastoral Center, Parish of St. Francis de Assisi, Himaaon, Pili, Camarines Sur on

October 19-21, 2021. The participants learned about culture media production, spawn production, mushroom bag production/fruit bagging, inoculation and pasteurization, tissue culture, and culture media production, as well as how to prolong the shelf life of newly harvested mushroom and processing mushroom into chicharon, sisig, lumpia, leche flan, and ice cream.

Five batches of Capacity Enhancement on the Operations of Composting Facilities for Biodegradable Wastes (CFBW) materialized in partnership with BSWM. The participating AEWs each received a flash drive containing all the presentation materials, as well as booklets including a CFBW manual on compost production using market wastes and farm wastes. The BSWM Team discussed the project component, roles of CFBW implementing partners, the basic requirements and process in establishment of CFBW, basic composting materials used and the materials to avoid in composting, the bulking agents to be used, the importance of carbon-nitrogen ratio, the primary variables that must be controlled during CFBW composting, the compost odor neutralizer, and the protocol in monitoring the facilities.

- At Macagang Business Center Inc., Nabua, Camarines Sur on June 14-16, 2021. The hands-on activities on the operation and simple troubleshooting of CFBW facility, as well as preparation of vermibed and preparation of substrate materials for vermi composting, took place at LGU-Tigaon CFBW facility.

- At Casa Feliz, Juban, Sorsogon on July 21-23, 2021.



EXHIBIT:
Modeling Technologies, Best Agriculture and Fisheries Extension Practices and Innovations

“Gardenscapes: A Greenfield of Urban Agriculture”

Implementing the Urban Agriculture Program (UAP) in ATI Bicol created additional means of living for various clients. By 2021, ATI Bicol reached 3,200 households through its UA Starter Kits distribution intended for every household’s urban farming and backyard gardening.

Moreover, integrated UA gardens for various organizations were launched as “Gardenscape: A Greenfield of Urban Agriculture.” This project aims to promote vegetable production in the communities and showcase urban gardens as a ready food source for households and communities. A total of nine (9) communal gardens were established in the provinces of Sorsogon, Albay, Camarines Sur, and Camarines Norte, to wit:

- Bayabas 4-H Club in Bayabas, Labo, Camarines Norte
- Man-Ogob 4-H Club in Man-ogob, San Vicente, Camarines Norte.
- Federation of 4-H Club of Ligao City in Albay
- La Medalla 4-H Club in La Medalla, Polangui, Albay
- Bulusan 4-H Club in San Rafael, Bulusan, Sorsogon
- Rural Improvement Club of Taboc in Taboc, Juban, Sorsogon
- Rural Improvement Club of San Joaquin in San Joaquin, San Fernando, Camarines Sur
- Francia Women’s Club Organization in Francia, Iriga City, Camarines Sur
- Federated Barangay Senior Citizens of Tiwi in Tigbi, Tiwi, Albay

Through the Gardenscape project of ATI Bicol, all members of the organization boosted confidence and trust among themselves amidst the global pandemic. They were able to promote urban farming and backyard gardening in the communities and shared their produce with others.

Scale-Up Farms to Learning Sites and Learning Communities as Strategic Demonstration Areas

Facilitating Factors towards LSA Certification

By establishing the Learning Site for Agriculture in six Bicol provinces, more clients were reached. The 27 certified LSAs resulted from multi-media campaigns for farm partnership programs. The municipalities and cities with no LSA were notified about the program by sending them communication letters and by personal appearance at their offices. A point person for farm partnerships is required in every municipality or city with an LSA to ensure easy coordination.

As a means of ensuring a fast and smooth certification process, the applicants were provided with an orientation

of the program, highlighting the application process, roles and responsibilities, and the outcomes and deliverables of the program. In addition, before conducting the field validation, the team ensured all documentation requirements were in place to speed up the certification process.

In addition, 27 existing LSAs were enhanced through the provision of support such as training materials and equipment for their training needs or construction materials to establish new facilities or enhance existing ones. Either support enables their training and technological demonstration capabilities and eases their clients’ learning process. And to facilitate the awarding of establishment support, the Center assisted in developing the project proposal based on the standard packages LSA could avail.

REGULAR PROGRAM

Name of LSA	Address	Cooperator
1. Pasto De Iriola Agri-tourism and Family Farm	Zone 2 New Moriones, Ocampo, Camarines Sur	Gaudencio A. Iriola Jr.
2. Isarog Farming School	Bagumbayan, Bula, Camarines Sur	Isarog School of Technical Vocational Inc. (Nonie Tan)
3. Badlis Farm	Zone 7 Sitio Tawang, Fabrica, Calabanga, Camarines Sur	Jerome B. Guimbaolibot
4. Fuente De Flores	Purok 7 Masarawag, Guionobatan, Albay	Cristina Catalina R. Flores
5. Ralph Hector Farm	La Purisima, Nabua, Camarines Sur	Dr. Hector M. Sales
6. Tanquing’s Farm	P-3 Iberica, Labo, Camarines Norte	Reilan Leeboy G. Quibrall
7. Delicia’s Farm	Bagawang, Pandan, Catanduanes	Michael F. Tidon
8. AVM Agricultural Learning Center	Budiao, Daraga, Albay	Mahalia I. Mabini
9. Doc Benny’s Nature Farm	P4 San Francisco, Talisay, Camarines Norte	Dr. Helen L. Abordo
10. Ro-Ma Piggery Farm	Sitio Catan agan, Salogon, San Jose, Camarines Sur	Roneo J. Aluzan

ORGANIC AGRICULTURE PROGRAM

Name of LSA	Address	Cooperator
1. Llamas Integrated Farm	Del Socorro, Minalabac, Camarines Sur	Nestor A. Llamas
2. Nette's Agri Farm	Pinagdapián, Del Gallego, Camarines Sur	Jeanette M. Baylon
3. Maria Claras Integrated Farm	It-ba, Manito, Albay	Maria Betty B. Ras
4. Mommy Nitz Natural Farm	San Francisco, Guinobatan, Albay	PLT College of Guinobatan (Cresenciano I. Bercasio III)
5. Rancho Requero Integrated Farm	Cabrarán, Jovellar, Albay	Shariza Shaika M. Requero
6. De Paul Farm	Cogon, Gubat, Sorsogon	St. Louise de Marillac College of Sorsogon (Angeles Alcovendes Jr.)

HVCD PROGRAM

Name of LSA	Address	Cooperator
1. Inarihan Farm Resort	Panicuason, Naga City	Jaime E. Badong
2. Arnzy Integrated Farm	Sitio Bucal, GRS, Ragay, Camarines Sur	Nancy R. Jaen/ Arnaldo T. Manuel

RICE PROGRAM

Name of LSA	Address	Cooperator
1. Nesting Place	Bigaas, Calabanga, Camarines Sur	Omar P. Aguilar
2. Oanzon's Farm Enterprises	Purok Sunflower, Burabod, Castilla, Sorsogon	Virginia P. Oanzon

RCEF PROGRAM

Name of LSA	Address	Cooperator
1. Mercedes Science Agricultural Farm	Tarum, Libmanan, Camarines Sur	Lorenzo Gregorio B. Nunez
2. Bermudez Agricultural Farm	San Juan St., Minalabac, Camarines Sur	Gerry Bermudez
3. MOARC Integrated Farm	May-ogob, Ocampo, Camarines Sur	May-ogob Agrarian Reform Cooperative (Judith Parlero)
4. Aguas Farm	Sto. Nino, Sto. Domingo, Albay	Siegfred E. Nebres
5. Coop Land	Tariric, Minalabac, Camarines Sur	Camsur Multipurpose Cooperative (Annielen L. Panerio)
6. Magel Golden Integrated Farm	Bulawan Sr., Lupi, Camarines Sur	Marigel M. Bacalso
7. Richhand Farm School	Alteza, Sipocot, Camarines Sur	Dona Vite Demafelis
8. Dona Barbara Integrated Farm	Zone 4 Olag Pequeno, Tinambac, Camarines Sur	Mara Vanessa A. Barrameda

LSA Maintained and Enhanced

REGULAR PROGRAM (Rehab-50k)

Name of LSA	Address	Cooperator
1. Mikeliz Integrated Farm	Zone 2 Bigaas, Calabanga, Camarines Sur	Analiza A. Escobar
2. Prayer Mountain Farm, Event and Learning Center, Inc.	Hawan Grande, Virac, Catanduanes	Maria Concepcion Gray
3. Cambi Integrated Farm	Purok 2 San Vicente Pequeno, Daraga, Albay	Ranulfo M. Cambi
4. Living In Faith Evermore Farms and Parks, Inc.	Bigaa, Virac, Catanduanes	Danilo V. Lucero
5. El Silvestre Farm	San Pedro, Goa, Camarines Sur	Joey C. Hade
6. Ralph Hector Farm	La Purisima, Nabua, Camarines Sur	Dr. Hector M. Sales
7. Carmel Agri- Learning Farm, Inc.	Binanuaanan, Pili, Camarines Sur	Santiago K. Cervantes
8. Sonrisa Natural Farm	Zone 6 Carangcang, Magarao, Camarines Sur	Cherry T. Lo





ORGANIC AGRICULTURE PROGRAM

Name of LSA	Address	Cooperator
1. Longabela Kalikasan Farm	Anislag, Daraga, Albay	Marlon N. Longabela
2. Summer Agri Learning Farm	Mayon, Castilla, Sorsogon	Wilfredo F. Verano
3. Carmel Agri- Learning Farm, Inc.	Binanuaanan, Pili, Camarines Sur	Santiago K. Cervantes
4. Emiliano Nature Farms	San Joaquin, San Fernando, Camarines Sur	Rev. Fr. Ian S. Trillanes
5. Green Pasture Place	Sitio Cagpacol, Lungib, Casiguran, Sorsogon	Arch. Rhia Belle I. Gatdula
6. SPEED Integrated Farm	Purok 5 Laglag, Palanog, Camalig, Albay	Bryan Bernardino
7. El Silvestre Farm	San Pedro, Goa, Camarines Sur	Joey C. Hade
8. Barangay Itok Farmers Association (BIFA) Farm	Itok, Capalonga, Camarines Norte	Domingo Hallig Jr.
9. Glorious Land Eco Farm	Purok 4 Guinacutan, Labo, Camarines Norte	Vincer V. Quibral
10. Ciudad Caliente Livelihood Farm	P-1 Calintaan, Talisay, Camarines Norte	Jose Rene G. Ruidera
11. Denny's Integrated Farm	P4 Tabuc, Mobo, Masbate	Neil Anthony L. Aban
12. Grajo's Farm Enterprises	Tigbao, Casiguran, Sorsogon	Manuel H. Grajo

RCEF PROGRAM

Name of LSA	Address	Cooperator
1. Sonrisa Natural Farm	Zone 6 Carangcang, Magarao, Camarines Sur	Cherry T. Lo
2. Shell Training Farm	San Antonio, Bombon, Camarines Sur	Pilipinas Shell Foundation (Pamela S. Castro)
3. Ocbian Nature Farm	Monte Carmelo, Castilla, Sorsogon	Noe B. Ocbian
4. Anelyn's Farm	Sitio Isdaan, Brgy Ilaya, Balud, Masbate	Edgardo Lopez Jr.
5. Ecolistic Agricultural Research Farm	Carangcang, Magarao, Camarines Sur	Jomarie Leo Florece
6. MA-DA Bustamante Family Farm	Cagmanaba, Oas, Albay	Ramona Ines B. Raneses



ADVISE: Empowering Farmers and Fisherfolk through Advisory Services

Provision of Advisory Services

ATI Bicol has provided farm and business advisory services to 487 clients resulting in 101% accomplishments based on the RCM and e-Learning advisory services for FY 2021.

(The lower number for RCM advisory services was due to the discontinuance of the service by June with the introduction of the new RCM platform. However, the target for the year was not adjusted. Thus, the discrepancy.)



487 clients provided with RCM and eLearning Advisory Services



DISSEMINATE: Enhancing Agriculture and Fisheries Extension Knowledge Products and Services

Alternative Extension Modalities

ATI Bicol promoted distance learning initiatives which proved to be crucial in delivering information both during the pre-pandemic and new normal times.

Launched in 2007, the DA e-Extension Program serves as an alternative extension delivery system for agriculture, fisheries and natural resources sectors. Under its e-Learning component, DA-ATI provides free online courses in partnership with various NGAs and industry practitioners. These courses feature matured technologies on crops, livestock, fisheries, extension, and sustainable agriculture.

DA-ATI Bicol initiated the development of e-Learning courses on the pili species (*Canarium ovatum*). One of the Bicol Region's banner crops, it has diverse economic uses. However, typhoons destroy a number of pili trees each year. The high demand for raw materials from pili necessitates repopulation of pili trees.

ATI Bicol initiated the development of the e-Learning courses on Pili Nursery Establishment and Propagation and Pili Tree Orchard Establishment and Care in order to sustainably produce raw materials from pili for food and non-food uses. The e-courses shall undergo further pretesting and revisions prior to publication.

The radio-based **School on the Air (SOA)** offered cropping season-long training on **High-Quality Inbred Rice and Seeds and Smart Rice Agriculture (SRA)**. These courses produced 500 and 5,000 graduates, respectively.

The **SOA on Production of High-Quality Inbred Rice & Seeds and Farm Mechanization** took place in the Province of Albay on July 07, 2021 to October 29, 2021 via three partner radio stations and the ATI Bicol #Sarabay Channel. It tackled the ATI programs and services, the RCEF program components, the status of the rice industry in the country and in the region, the Key Checks of the Palaycheck System, climate change, seed certification for individuals and cooperatives, as well as field inspection and validation.

The SOA participants represented all 19 cities and municipalities in Albay – Legazpi City, Ligao City, Tabaco City, Bacacay, Camalig, Daraga, Guinobatan, Jovellar, Libon, Malilipot, Malinao, Manito, Oas, PioDuran, Polangui, Polangui, Rapu-Rapu, Sto. Domingo, and Tiwi.

Before the training started, the Center distributed 500 sets of Training Kits to the participants. Each kits comprised one AM/FM radio, notebook, ballpen and envelope in the province of Albay. The first episode featured the Messages of ATI Bicol Center Director Elsa Parot, ATI Director Alfredo Aton, ATI Deputy Director Rosana Mula, Provincial Agriculturist Cheryll Rebata, and Albay Governor Al Francis Bichara.

The 18 episodes had a "SOAk na SOAk na Tawagan" segment which generated the active participation of the SOA participants.

Meanwhile, the SOA-SRA aired via various radio stations in Camarines Norte, Camarines Sur, Catanduanes, Masbate, and Sorsogon on May 14, 2021 to September 24, 2021. It produced 5,000 graduates – smallholder farmers and local intermediaries – who listened to discussions on

modern rice production technologies and innovative approaches to help maximize rice productivity.

It set the momentum for behavioral change among the participants to use of smart rice technologies. It sought to help farmers make informed decisions as they shift from conventional to modern, climate-smart rice production technologies. Episodes 1 to 8 focused on the rice industry and how to negate the effects of climate change on agriculture. Episodes 9 to 18 discussed the PalayCheck System Key Checks 1 to 9.

The five-month SOA-SRA broadcasted over five radio stations in the five provinces of Bicol region, namely Camarines Norte, Camarines Sur, Sorsogon, as well as the two island provinces of Masbate and Catanduanes. The activity proved that SOA effectively disseminates technology to rural farmers without them leaving their farms and the safety of their homes particularly amid the Covid-19 pandemic.



Corresponding to 762 percent of the targeted activities, the ATI Bicol website social media accounts generated **914 webpages uploaded** from January to December 2021.

ATI Bicol provided fast access to agriculture-related information and knowledge by developing, translating, packaging and distributing various Knowledge Products (KPs).

The Center produced **5,041 technology-based KPs**, corresponding to 336 percent of the targeted activities under RCEF and NLP. These included leaflets, pamphlets, fact-sheets, techno-kits and booklets related to RCEF as well as an audio-visual Module developed regarding ASF control and prevention.

Meanwhile, **30,523 technology-based KPs reproduced under the DA banner programs** corresponded to 121 percent of the targeted number of Information, Education and Communication (IEC) materials reproduced from January to December 2021.

On the other hand, **40,251 technology-based KPs distributed** corresponded to 226 percent of targeted IEC distributed from January to December 2021. These were locally-developed IECs as well as those acquired from ATI-Central Office through the Information Services Division. Recipients comprised training participants including AEWs and farmers, as well as other AF stakeholders.

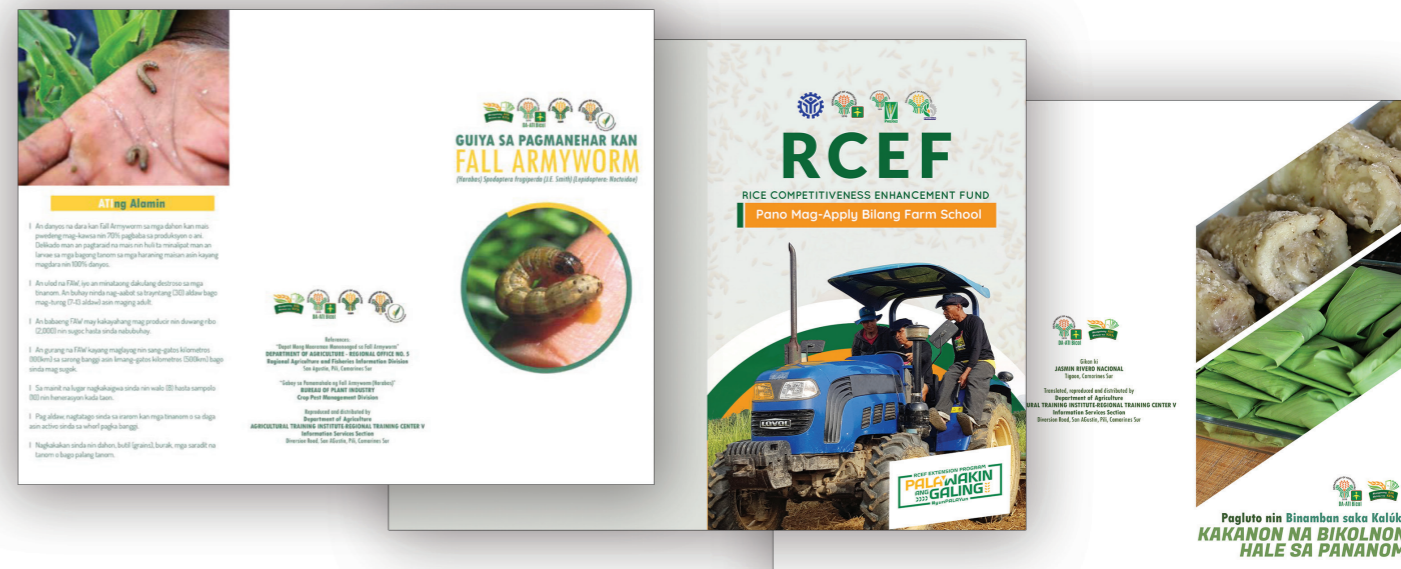
The Center produced four corporate materials. These include a Video Briefer concerning the LSAs, the First Semester FY 2021 Newsletter, the Second Semester FY 2021 Newsletter, and the OneDA Notebook which reinforced the Institute's corporate identity.



914 Webpages uploaded

35,564 Knowledge Products produced

40,251 Knowledge Products disseminated



Four KPs, translated to Bicol or Tagalog, easily reached clients as these were posted at the ATI Bicol corporate website and could be downloaded: Guiya sa Pagmanehar kan Fall Army Worm (Bicol Dialect), Techno Gabay Program (Tagalog), Pagluto kan Binamban asin Kaluko (Bicol Dialect), and Pano Mag-Apply Bilang Farm School.

A one-year online subscription to the FAO eLibrary and PCAARRD eLibrary expanded the Center's digital resources.

These four success stories documented the best practices of four agriculture champions: RCEF: Farmers' Immense Boost of Optimism (MA-DA Bustamante Family Farm Story), Carlito Aquino: Masiglang Pagsasaka sa Panahon ng Pandemya, Santi and Mely Cervantes: Kaloob Para sa Kinabukasan, and Pagsasakang Higit sa Isang Milyon: Salaysay ni Edgar Pesebre.



SUPPORT: Improving Enabling Environment and Governance for Agriculture & Fisheries Extension (AFE)

Extension Policies and Governance Support Services (initiatives that support the enabling environment of the country's extension system)

Agricultural Career System

PRC-CPD Points

The Center was accredited by the Professional Regulation Commission (PRC) as Continuing Professional Development (CPD) Provider for Agriculture on June 23, 2021. A cost-effective application procedure was made possible by the online system of the PRC following the pandemic-induced restrictions.

A total of three (3) training programs of the Center received CPD points for FY 2021. In support of the professionalization of Extension Workers in agriculture, the training courses and other activities for FY 2022 will be applied as CPD programs with PRC.

Development of Regional Extension Agenda and Programs

Five (5) years have passed since its development; there is a need to review and update the priority agenda for the country's AFE system to ensure the relevance of the current and future context of the AFE sector. It will also consider how the country's AFE system will move forward, flourish, and adapt given the changes brought about by the emergence of global trends, technological advancements, and innovations, as well as the emergence of issues and concerns that affect agriculture and fisheries sector.

Hence, the Center conducted the Development of the Regional Extension Agenda and Programs for FY 2022-2028 from May 28 to July 2021. This development was through a bottom-up approach. The ATI Bicol's staff were the primary actors who gathered relevant information for the document. The collection of relevant information was done through a series of 2-day consultation workshops that strictly adhere to the safety and health standards and protocols set amidst the COVID-19 pandemic. The public and private extension service providers and the actors along the value chain participated in this.

This REAP document encompasses subjects, themes, and concerns on an extension that provides bases for determining government priorities for public investments and addressing the gaps by implementing appropriate extension interventions. It will serve as significant reference material for the planning, implementation, monitoring, and evaluation of extension interventions by the ATI and other AFE partners.

The updated REAP document for FY 2022-2028 will serve as a guiding platform to ensure that the current context and situation of the AFE extension systems will be known and efforts will be aligned with the identified issues and concerns that need to be addressed. This document will also aid the AFE strategic planning process, particularly taking off the extension agenda and programs articulated in the NEAP.

Monitoring and Evaluation Activities

The Center continuously monitors and evaluates the extension interventions offered to clients. Three studies were conducted by the Center this year, including the results-based monitoring and evaluation (RBME) study for the 2018 clients, a case study for the rice farmers in the RCEF areas, and an evaluation

study of the LSA established last FY 2019.

In fulfilling its commitment to its BAFEN members, ATI also provided intensive Results-Based Monitoring and Evaluation RBME training. It is to mainstream the AFE RBME system shift from day-to-day outputs to more lasting outcomes and the impact of interventions provided for clients.

Research, Development and Extension (RDE) Continuum thru the Vetiver Grass Awareness Course

The ATI Bicol in partnership with the Extension Services Division of Central Bicol State University of Agriculture (CBSUA) and the Municipal Agriculture Office of the Local Government Units (LGU) of Minalabac, Ragay, Libmanan, and Magarao in Camarines Sur, implemented the Vetiver Grass Awareness Course. Beyond generating appreciation for this little-known grass, the course is a research-based awareness campaign on Vetiver's ecological and economic importance.

The Vetiver Grass Awareness Course supports the Research, Development, and Extension (RDE) continuum initiatives of ATI Bicol to promote mature agricultural technologies produced by the region's State Universities and Colleges (SUCs). Vetiver grass has varied uses in sustainable agriculture, particularly in soil erosion control, groundwater conservation, biological pest control, and soil and water remediation. This initiative was a product of one of the BAFEN meetings, and the Center aims to continuously strengthen the coordination between R&D and extension in the region.

11 planning workshops were held as scheduled, and the number of participants exceeded 20 percent.

1. Interagency Consultation	March	Organic Program
2. Consultation Workshop with Stakeholders	January	HVCD Program
3. Consultation Workshop	October	Corn Program
4. Consultative Meeting with Stakeholders	February	Livestock
5. Consultative Meeting with Stakeholders	November	Livestock
6. Consultation and Needs Assessment for FY 2021 - 2022	January	Regular
7. Internal Planning Workshop for FY 2022 PAPs	October	Regular
8. NEAP Consultation FY 2022-2028	July	Regular
9. Operational Planning Workshop	January	Regular
10. Consultation Meetings/Interagency Meetings and Workshops	February	RCEF
11. Consultation Meetings/Interagency Meetings and Workshops	November	RCEF

This thematic area deals with the need of extension agencies for policy support, planning, monitoring and evaluation (PME) mechanisms, human resource management budget, infrastructure, and facilities.

The Center recorded two internal planning workshops, two internal performance reviews, as well as a midyear and a yearend assessment.

DA-ATI Bicol passed the ISO-recertification audit, and conducted one management review as well as one annual audit in the organization.

It established a Meat Processing Hub within the DA-ATI Bicol compound.

Four inter-agency consultation workshops focused on HVCDP, OAP, NLP, and the Corn Program.

Likewise, activities for external stakeholders included the RCEF Extension Component Consultative Meeting in January, the RCEF Harmonization Meeting in November, and the First Quarter Meeting of the Bicol Agriculture and Fishery Extension Network (Bicol AFEN).

The Center also conducted two extension researches, the Results-Based Monitoring and Evaluation Study, as well as Documentation of the project "Increasing Agricultural Productivity Towards Food

Security and Poverty Alleviation: Extension Support to the Twenty Two Provinces Highest Poverty Incidence in the Philippines" (T2ES22PPP).

The Institute is the lead implementer of the RCEF-Rice Extension Services Program (RESP). As such, DA-ATI Bicol conducted two baseline surveys, one for rice farmers and another for AEWs

The RCEF-RESP Baseline Survey for Farmers generated 399 respondents from January to June 2020, while 31 graduates of training of trainers (TOT) on Inbred Rice Seeds Production and Farm Mechanization served as respondents for the RCEF-RESP Baseline Survey for AEWs.

The Center also conducted the UA baseline survey. The first round of monitoring activities in September 2020 focused on the first batch of 50 respondents in their first cropping in the provinces of Camarines Norte and Camarines Sur.

The second round of monitoring activities included a total of 100 respondents comprised of 50 for the first batch and another 50 for second batch of new respondents.

AF Extension Network Meet

DA-ATIBicol spearheaded the First Quarter meeting of the Bicol Agriculture and Fishery (AF) Extension Network (Bicol AFEN) held at the ATIC Compound in Pili, Camarines Sur on February 26, 2020.

During the meeting, Emmanuel Orogow who heads the Planning, Monitoring and Evaluation Services of DA-ATIBicol discussed the Output Monitoring and Information System (OMIS).

Heals of facilitated the consensus-building activity among the member agencies in order to come up with the group's 2020 activities.

DA-ATIBicol is mandated to monitor the AF Extension Support, Education and Training Services (ESETS), thus it set up OMIS as a tool to track inter-agency AFEN activities in the region. Bicol AFEN members have to complement one another's services to ensure harmonized extension delivery. The Bicol AFEN member agencies presented their 2019 AF extension activities and the 2020 extension targets. The agencies include the following: Local government units; Provincial Agriculture and Provincial Veterinary Offices; State Universities and Colleges; National Government Agencies; Private sectors; Regional Agriculture and Fishery Council (RAFC) and Bicolandia Greenfields Development Organization, Inc. (BIGFIS).

DA-ATIBicol Holds Performance and Management Reviews

DA-ATIBicol conducted the FY2020 Midyear Review and Planning Workshop on July 28, 2020 at Isarog Hall, ATIC Compound, San Agustin, Pili, Camarines Sur.

Central to the discussion of the Midyear Review, ATIBicol personnel assessed the refocused services of the Center which were drawn up to address the pandemic-related restrictions that started in March.

Point persons and team leaders presented the physical accomplishments of the regular and banner programs vis-à-vis the original Work and Financial Plan targets and the refocused targets.

The ATIBicol #Sarabay Channel, which is the Center's social media-based platform for sharing information and activities, was also evaluated in terms of the number of posts, followers, people reached, as well as engagements which include clicks, reactions, comments, and shares.

Discussions likewise focused on the accomplishments of the head administration and finance unit, as well as the development of the Center-Based Learning Site for Agriculture (LSA) to serve walk-in clients. All ATIBicol personnel shall be involved in creating, building and



maintaining the various components which showcase different commodities.

The Midyear Review immediately followed the Fifth Management Review on July 27th. Process owners presented their respective accomplishments in terms of the Center's Quality Objectives, as well as their updated Risk Assessment Plans following ISO 9001:2015 standards.

On the other hand, the Annual Performance Review was held on December 16, 2020 at ATIBicol, San Agustin, Pili, Camarines Sur.

Center Director Elsa A. Parot lauded the whole staff for their unwavering commitment to serve its clientele amidst the ongoing Covid-19 pandemic and the spate of successive typhoons that battered the Bicol Region in the latter part of the year.

During the activity, the physical accomplishments in terms of training and extension services were reported by the respective section and unit heads. Aside from accomplishments, they also reported their best practices, issues, and concerns.



ISO Recertification Spotlights Risks and Readiness

It's official: the ATIBicol head office in Quezon City and all 16 ATIBicol Training Centers in various regions passed the TÜV SÜD ISO recertification audit series, the last of which took place on November 25, 2020.

The online audit of all units in the Center took place five days after Typhoon Quintid destroyed structures as well as communication and electric power lines in most of the region. Needless to say, it did not spare the ATIBicol offices and farms.

With just a week's respite, an even stronger typhoon struck Bicol—Category 5 Super Typhoon Rolly. It may have prevented any congratulatory messages, but rising up after two strong typhoons and standing tall after a third party audit brought the lessons home: preparedness.

The TÜV SÜD audit emphasized safety, security and sustainability. The Covid-19 pandemic and natural calamities in Bicol, sitting as it does on the Philippine typhoon belt, further emphasized the importance of proper risk assessment planning.

The Bicol Region survived three howlers in three weeks. Happily, in the midst of these, ATIBicol survived the ISO Recertification Audit. Center Director Parot summed it up thus: "With two minor non-conformities and 4 opportunities for improvement, the findings were really very minor and 1 minor MC has been resolved. 2 OFIs not really action items. I have to give it to the #Sarabay Team Ati Bicolandia!"

As the entire ATIBicol head office and network of centers passed the latest organizational milestone, the personnel's commitment to excellent services beyond boundaries is renewed.

Community Outreach Program

DA-ATIBicol held this year's Community Outreach Program on December 17 in a creek-side area called Sitio Talistis Gilid in Barangay Vinagre, in the municipality of Tigaon, Camarines Sur.

The community comprises 50 low-income families whose houses were flooded, un-roofed or levelled by the series of typhoons that recently hit the Bicol Region.

Dubbed ATIBicol #Pama5kong-Handog #GivePlayCareShare, the activity was co-sponsored by Trans-Global Services for Professional and Entrepreneurial Development Inc. through its founder and leadership coach, Tzarina Gimena Saldana.

Through her fund drive called Maligayang NIPAsko! Coach Saldana organized the Learning for a Cause Workshop Series, the proceeds of which sponsored nipa and cocolumber for the Sitio Talistis Gilid residents.

DA-ATIBicol management and personnel visited the area, interacted with the community folks, and gave farm tools, grocery items and hygiene kits to 36 households, 12 senior citizens and persons with disabilities. Meanwhile, ATIBicol personnel donated the gifts for children.

Led by Center Director Elsa Parot, they distributed roofing materials, particularly waterproofed canvass (trapal), corrugated sheets (yero), and thatched nipa for 36 houses.

The activity gave hope to the residents of rebuilding their homes in time for Christmas Day and New Year celebrations.





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