

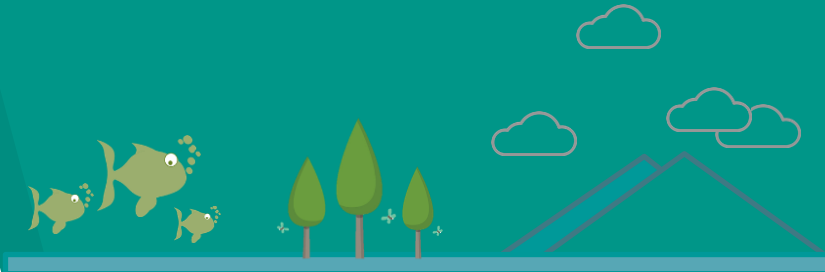


CONSORTIUM 4th QUARTER REPORT

(October - December 2022)

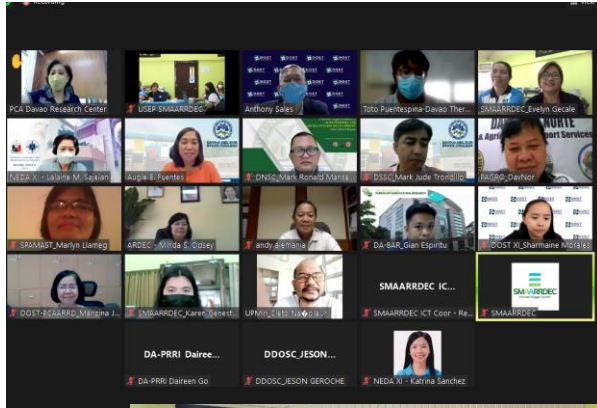


R & D Management and Coordination



112th RRDCC MEETING

held on September 28, 2022



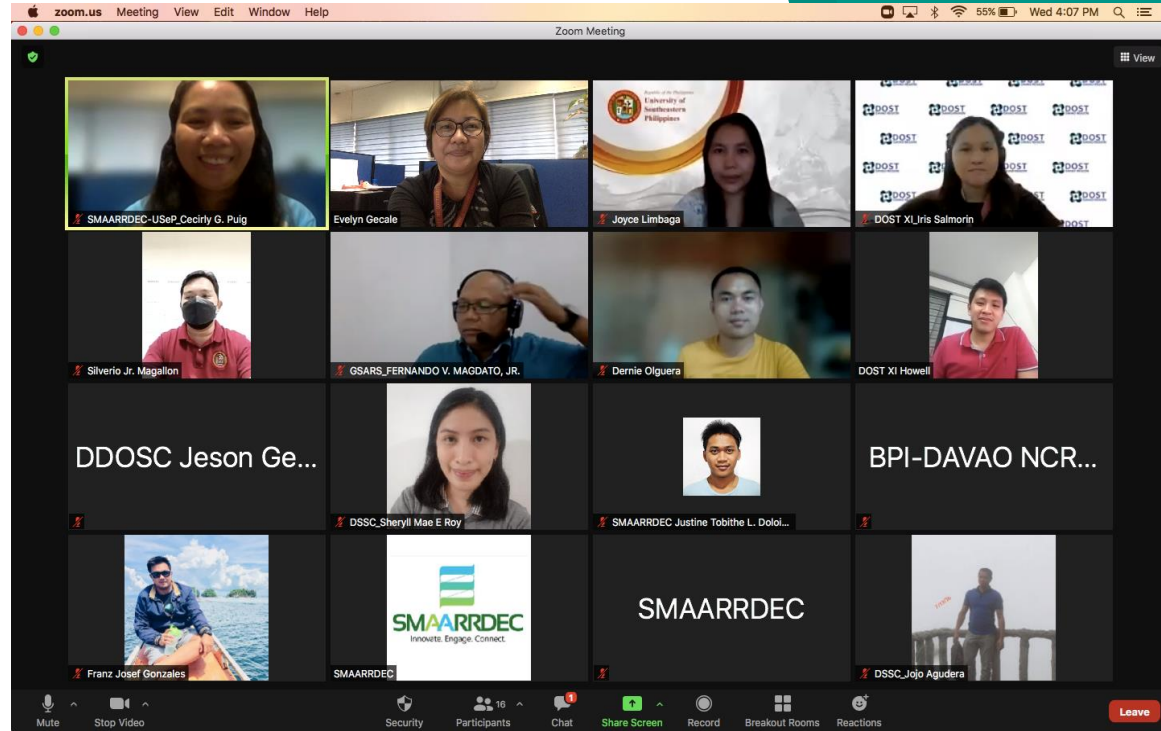
- Attended by 33 participants composed of Head and/or Representative of Consortium Member Institutions (CMIs) together with the Secretariat via face-to-face and zoom
- Three (3) resolutions were passed and approved



Cacao Team Meeting

held on September 28, 2022 ; 2:00pm via Zoom

- A follow up meeting on the crafting of possible proposals under CRADLE on Cacao. The team composed of faculty-researchers from BPI, DDOSC, DSSC and USeP. Also in attendance were DOST XI and DTI XI reps for iSTRIKE



Meeting with DOST XI and Tingog Party List

held on October 6, 2022 @ DOST XI Regional Office

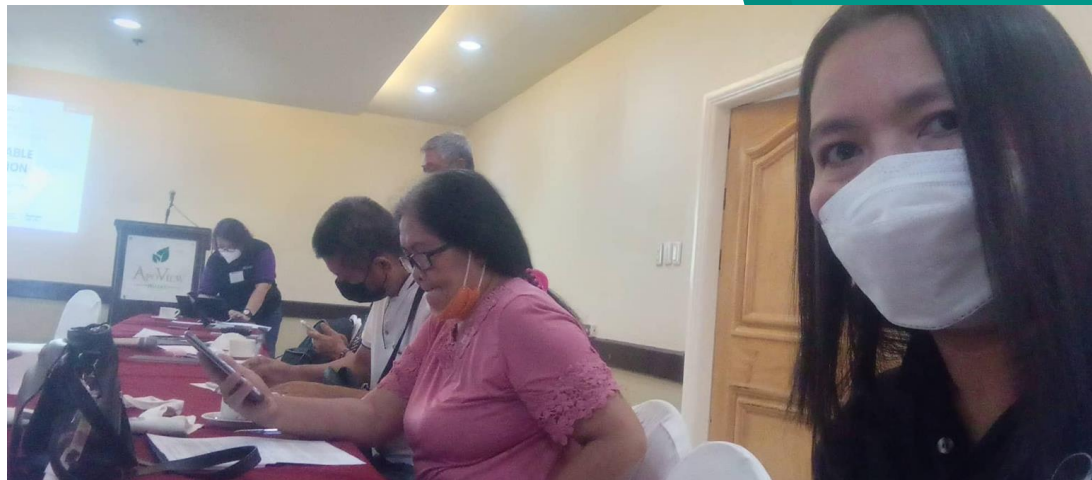
- Hosted by DOST Director and RRDCC Vice Chair Dr Anthony C. Sales the meeting with Atty. Mark Peter Quilaneta of TINGOG Partylist was conducted to discuss possible collaboration on various R&D projects in Mindanao.



Round Table Discussion (RTD) on Leveraging Gender Relations to Optimize Value-Adding Opportunities of Davao City Cacao

held on October 12, 2022 @ Apo View Hotel

- The study was funded by ACIAR and implemented by UPMIn
- The RTD was participated by RRD Cluster Coordinator Dr. Cecirly G. Puig



Communication Planning for the PCAARRD Consortia

held on October 12-14, 2022 @ Los Banos, Laguna

- Hosted by PCAARRD-ACD and attended by Science Communication Cluster Coordinator Ms. Karen Geneston and OIC Dr. Evelyn Gecale
- Output of the training was integrated in the crafting of the RCP Proposal



Meeting with DSSC-REC and Oceana

held on October 17, 2022 via Zoom

- Spearheaded by Dr. Della Grace G. Bacaltos of DSSC, the meeting on Coastal Greening and Banning of Single Use Plastic was conducted on October 17, 2022
- It was participated by representative faculty-researchers from DNSC, SPAMAST, DORSU and USeP. Likewise, representatives from DIDP and DENR-ERDB-ARDEC were present
- Inventory of mangrove/MPA projects conducted in the region were tackled including the proposal of Mr. Francis Reginio of USeP on Mangrove Aquasilviculture submitted to DOST-PCAARRD for funding
- The group also discussed the implementation of the banning of single use plastic in the SUCs and the initiatives of DIDP and ARDEC on the same issue

Seminar on PCAARRD-Awards New Guidelines

held on October 24-25, 2022 via Zoom

- **DOST-SERD initiated the seminar on PCAARRD Awards' New Guidelines which was crafted by the DOST-PCAARRD Elders**
 - **The presenters were:**
 - * **Dr. Ernie Brown**
 - * **Dr. Danilo C. Cardenas**
 - * **Dr. Lily Ann D. Lando**
 - * **Dr. Rodolfo Ilao**
- **Participated by selected members of the secretariat, Dr. Misael B. Clapano (DORSU) and BPI Center Chief Dr. Lorna Herradura**

Participation to the Economic Development Council XI Writeshop

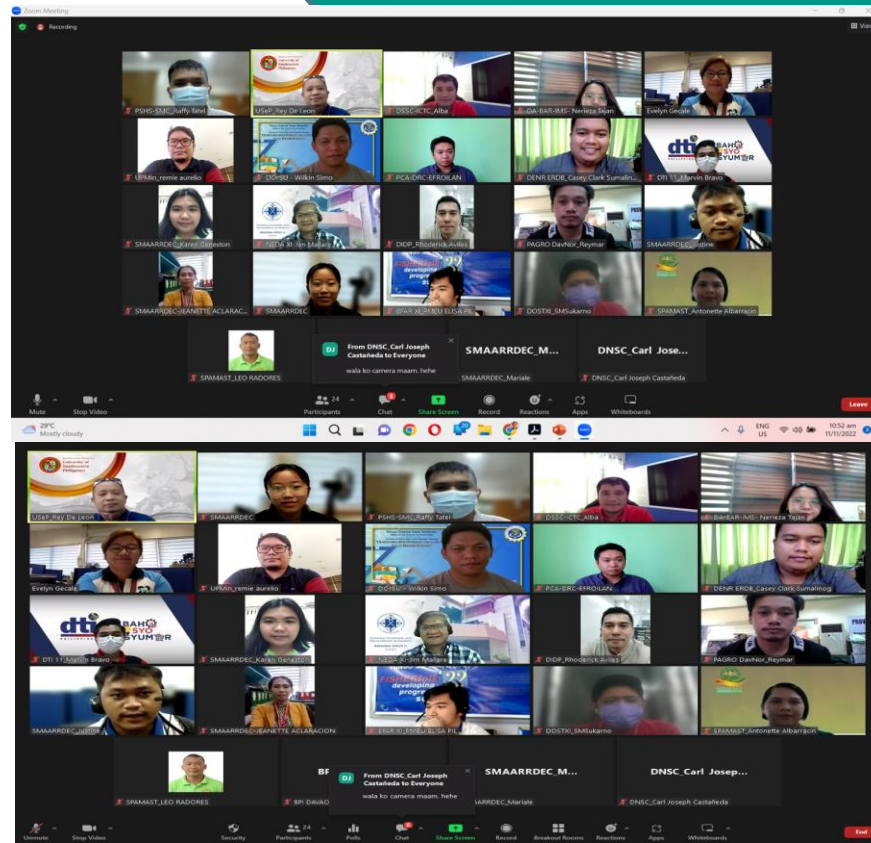
held on October 25, 2022 at NEDA XI Function Hall, Bangkal Davao City

- **Facilitated by the EDC XI secretariat, the writeshop was participated by the representatives of the HEIs, industry, LGUs and other stakeholders in the region.**
- **Output of the writeshop will form part of the RDRA of Davao Region for the period 2023 to 2028**

ICT focal Persons Meeting

held on November 11, 2022

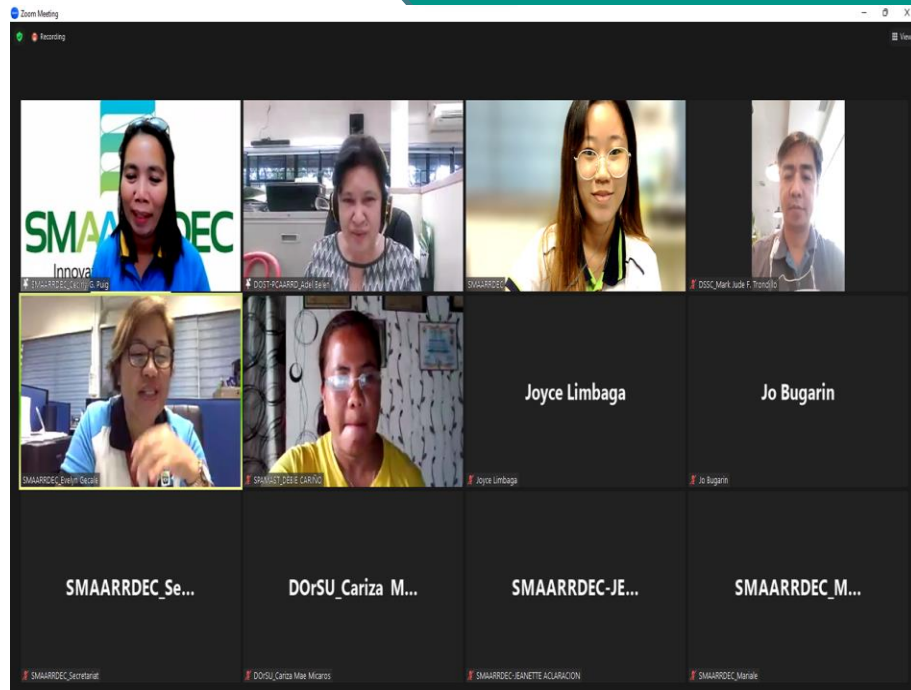
- Hosted by SMAARDEC Secretariat
- Attended by CMI's ICT Focal Person
- Briefing on the SMAARRDEC Website and on its functionalities including HRIS updating



Pummelo Team Meeting

held on November 11, 2022

- Led by the RRD Cluster Coordinator Dr. Cecirly G. Puig the meeting with Pummelo Team was conducted for the possible revival of Pummelo R&D Proposal as a Program
- Citrus ISP Manager Maria Adelia Belen of DOST-PCAARRD-CRD attended the meeting
- Dr. Joettedy Bugarin also presented his output on Pummelo Value Chain
- The team agreed to hold a face to face meeting for the polishing and refinement of the proposed projects



Secretariat Meeting

held on October 7 and November 11, 2022

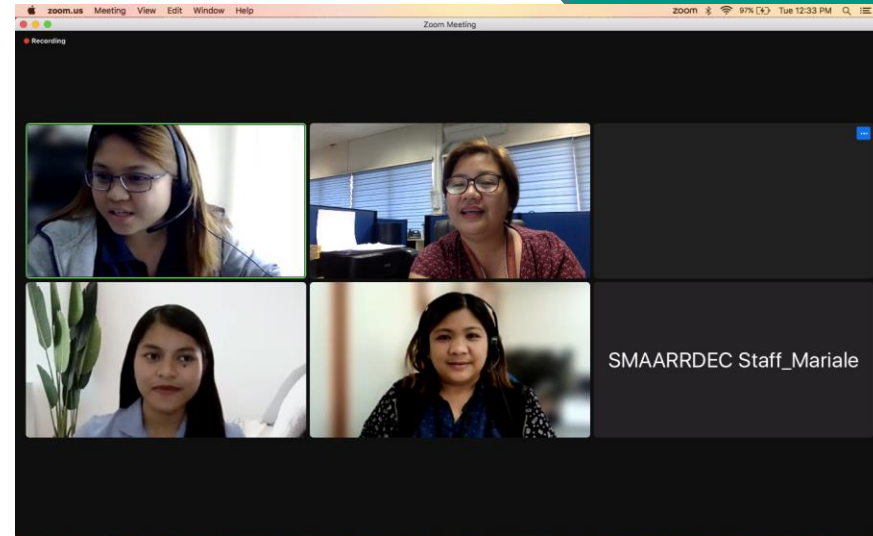
- Discussed the remaining activities of the year 2022



PCAARRD Monitoring on Project AGAK

held on November 15, 2022

- PCAARRD-SERD conducted monitoring on the status of the implemented AGAK project in 2021



DSSC-RCE Davao Launching

held on November 18, 2022

- DSSC being declared as Regional Center of Expertise (RCE) in Mindanao launched the center on November 18, 2022 at Matti Davao del Sur
- The goal is to share best practices in Educational on Sustainable Development (ESD) among the regional partner-academe, to establish communities of practice towards the attainment of the Sustainable Development Goals (SDG)
- Attended by Office-In-Charge Dr. Evelyn Gecale, and Regional Science Communication Cluster Coordinator Ms. Karen B. Geneston



WESMAARRDEC visit to SMAARRDEC

held on October 3, 2022

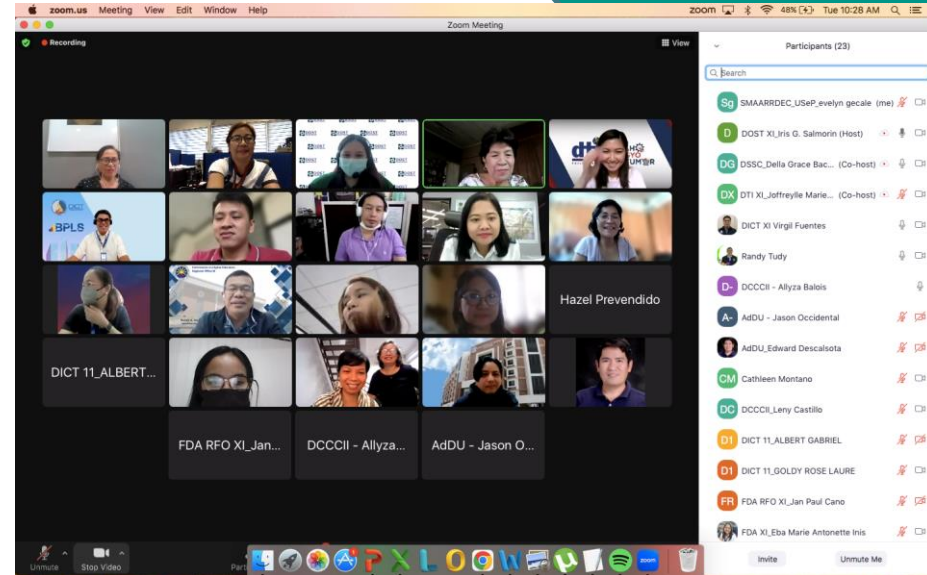
- Led by WESMAARRDEC Director and WMSU VP-RDE Dr. Teresita Narvaez, the team visited the Consortium and discussed the future collaboration on SERDAC's utilization at Region 9's



Participated in the crafting of iSTRIKE Davao Operations Manual

September 29, 2022 and November 23, 2022

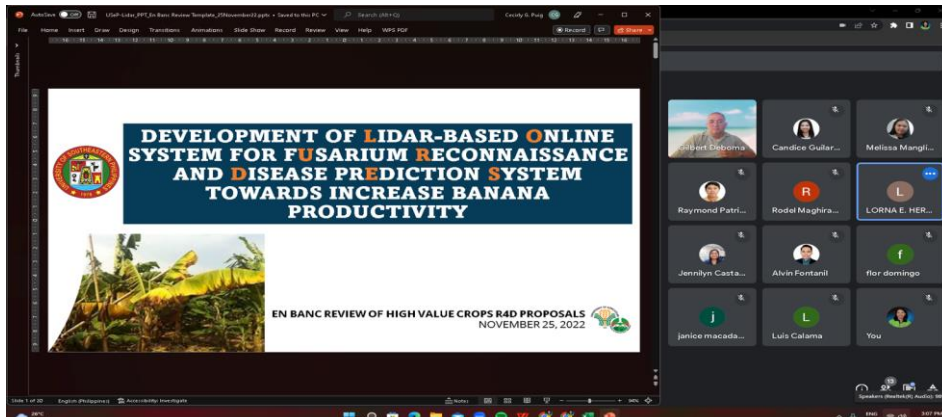
- Facilitated by Dr. Della Grace G. Bacaltos, the crafting of the Operations Manual of the iSTRIKE Davao was done with the participation of the private and government Academe, industry and consortia representatives



Presentation of LOuRDES Proposal at DA-BAR

On November 25, 2022 via Zoom

- **Presentation of the PhP52-M worth proposal to the DA-BAR titled “Development of Lidar-Based Online System for Fusarium Reconnaissance and Disease Prediction System Towards Increase Banana Productivity”**
- **Status of which is for review under DA-BAR En Banc**



Knowledge Management and Technology Generation



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/ Budget
Coastal Resources of Davao del Norte as Basis for GIS-Based Assessment and Monitoring (Phase I) Study 1: Species Diversity, Abundance, and Geographic Distribution of Mangroves Species Panabo Mangrove Park, Davao del Norte	Davao del Norte State College	DNSC/ 124685.8
Coastal Resources of Davao del Norte as Basis for GIS-Based Assessment and Monitoring (Phase I) Study 2: Taxonomy and Diversity of Brachyuran Fauna of Panabo Mangrove Park, with Notes on Distribution and Conservation	Davao del Norte State College	DNSC/ 75000
Coastal Resources of Davao del Norte as Basis for GIS-Based Assessment and Monitoring (Phase I) Study 3: Distributional Data and Fish Landing Areas in Panabo City, Davao del Norte	Davao del Norte State College	DNSC/ 75000
Nutrient Characterization of Modified Rice-Mongo Extruded Snack	Davao del Norte State College	DNSC/ 30000
Native Flora of Sitio Salawao, Sto. Niño, Talaingod: Phase 1	Davao del Norte State College	DNSC/ 12850



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
GIS for Davao del Norte IP-populated Hinterlands (Ancestral Domain) Project 1: Evaluating Potential Eco-Tourism Sites of the Ancestral Domains in the Province of Davao del Norte: A Geo-Spatial Mapping	Davao del Norte State College	DNSC/ 45,000.00
GIS for Davao del Norte IP-populated Hinterlands (Ancestral Domain) Project 2: Geospatial Mapping of Ancestral Domain Agricultural Resources in the Municipality of Talaingod	Davao del Norte State College	DNSC/ 35,000.00
GIS for Davao del Norte IP-populated Hinterlands (Ancestral Domain) Project 3: Risk Mapping of Malnutrition Distribution using Geographic Information System in the Municipality of Talaingod, Davao Del Norte	Davao del Norte State College	DNSC/ 20,000.00
Development of Online Repository of Coastal Resources	Davao del Norte State College	DNSC/ 40,000.00
Indigenous Knowledge and Practices during El Niño & La Niña: Lessons from Ata Manobo in Talaingod, Davao del Norte	Davao del Norte State College	DNSC/ 68,440.00



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Social Vulnerability Assessment of Flood-prone Communities in Carmen, Davao del Norte	Davao del Norte State College	DNSC/ 60,000.00
Community Resilience during Covid-19 Pandemic: Lessons and Insights from the Ata Manobo of Talaingod, Davao del Norte	Davao del Norte State College	28,685.00
Indigeneity as Tourism Capital: Food, Foodways, and Foodscapes of Ata Manobo in Davao del Norte	Davao del Norte State College	25,000.00
Agri-Tourism Entrepreneurship as an Emerging Industry in Ancestral Domains: The Case of an IP Community in Davao del Norte	Davao del Norte State College	25,000.00
Halal Tourism in Davao Region: Promises and Pitfalls	Davao del Norte State College	43,000.00
Gerontology in IP Community: Aging and Social Care among Ata-Manobo of Talaingod, Davao Del Norte	Davao del Norte State College	40,000.00
Agroforestry Education Campaign for Sustainable Development in Sitio Salawao, Sto. Nino, Talaingod Municipality, Davao del Norte	Davao del Norte State College	DNSC/75,000
Product Development of Vacuum Fried Tuna Skin	Davao del Norte State College	DOST-PCAARRD/ 5,000,000.00
Food Safety for Food Entrepreneurs: Good Manufacturing Practices Workshop	Davao del Norte State College	35,000.00

Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Malnutrition Reduction Initiatives in Davao del Norte State College through the Complementary Foods (DOST PINOY Products)	Davao del Norte State College	DNSC/ 40,000.00
Biodiversity Museum: Linking Biodiversity to Stakeholders Year 3	Davao del Norte State College	DNSC/ 95,000.00
Taklobo Tours Sustainability Phase	Davao del Norte State College	
PHASE 2 - USWAG TRIBO: Empowering IP Community through Social Preparation, Health Literacy and Livelihood Development Programs	Davao del Norte State College	DNSC
Inclusive Community Advancement through Responsive Extension (i-CARE)	Davao del Norte State College	DNSC/ 100,000.00
PROJECT RESILE Phase 2 (Rehabilitation, Education and Scientific Interventions to Live with Floods) in the Flood-prone Communities of Carmen, Davao del Norte	Davao del Norte State College	DNSC/100,000.00
Sustainable Livelihood Development Project for Rebel-Returnees	Davao del Norte State College	DNSC/ 53,000.00
Project 1-C: Enhancing IP-TBM in Davao del Norte State College through RAISE	Davao del Norte State College	DOST PCAARRD/ 1,572,423



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Mungbean (<i>Vigna radiata</i> L.) Production in POGSAGBUKA Community Based Farm of Sitio Salawao, Talaingod Davao del Norte	Davao del Norte State College	DNSC/ 448,743.04
Laboratory Analysis of Water Parameters	Davao del Norte State College	DNSC/ 250,000.00
Community Empowerment through Science and Technology (CEST) Program for the Geographically Isolated and Disadvantaged Areas (GIDAs) and Marginalized Communities in Davao del Norte	Davao del Norte State College	DOST/ 18,424,825
Assessment of Various Rubber-Based Cropping Systems For Enhanced Production of Smallholder Rubber Farmers in Different Climatic Types of the Philippines	Philippine Rubber Research Institute	DOST-PCAARRD
Becoming Aware, Knowing the Archaic Source	Davao del Sur State College	DSSC/ 50,000
Adopt a Learner	Davao del Sur State College	DSSC/ 50,000
Helping Barangays Adopt the Community-based Monitoring System	Davao del Sur State College	DSSC/ 100,000
Assessment of fishery resources in selected MPAs in Santa Cruz Davao del Sur	Davao del Sur State College	DSSC/ 100,000



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Bio-efficacy of Liquid Trichoderma (LT) against Fusarium Wilt Disease of Banana under Field Condition	Davao del Sur State College	100,000
Establishment of Baseline Data for Management Planning of Plastic Waste Pollution in Digos City, Davao del Sur.	Davao del Sur State College	52,000
S and T Based Vegetable Production: Enhanced Food Security And Improved Livelihood through Sustainable Vegetable Production in Davao del Sur	Davao del Sur State College	DA/ 4,000,000
Project 6D. Enhancing Technology Transfer through IP-TBM in Davao del Sur State College (DSSC)	Davao del Sur State College	SMAARRDEC/ 1,686,966
Reproductive Biology, Dietary Analysis, and Life-History of Philippine Tuna species towards Sustainable Fishing Industry in Mindanao	Davao del Sur State College	MSU-GSC/57,000
Coffee as a way to Create Livelihood, Fight Poverty and climate Change	Davao del Sur State College	2,000,000/ BATAFAMA
Upscaling Bamboo Rural Enterprise and Development Project in Davao del Sur	Davao del Sur State College	20,000,000.00/ DA
Enhancing the Delivery of Agricultural Information Services and Promotion of Farm Clustering and Consolidation Through the Establishment of Community Radio Station	Davao del Sur State College	3,600,000.00/ DA



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Province-led Agriculture and Fisheries Extension Systems (PAFES)	Davao del Sur State College	DA / 1,000,000
Promoting Food Resiliency in Communities in Partnership with State Universities and Colleges: DARRDEN Collaborative Project	Davao del Sur State College	DSSC
Economic Comparative Analysis of Different production Techniques for Seaweeds	Davao del Sur State College	DSSC/ 100,000
Mentoring the Parents: Amplifying Parental Involvement towards Learning (APIL)	Davao del Sur State College	DSSC/ 50,000.00
Phytochemical and Antioxidant Activities of Coffee Leaf extracts From Digos City	Davao del Sur State College	DSSC/ 100,000
Diversity of neglected and Under utilized crop species of Davao del Sur	Davao del Sur State College	DSSC/ 100,000.00
Flexible Learning Stressors and Coping Strategies of Students in the Higher Educational Institutions (HEIs) of Davao del Sur	Davao del Sur State College	DSSC/ 50,000
Community Empowerment Program	Davao del Sur State College	DSSC/ 100,000
Development and Testing of Seaweed-Based Bio-Stimulant Breads	Davao del Sur State College	DSSC/ 100,000
Coffee Table Book of Birds in Mount Apo	Davao del Sur State College	DSSC/ 35,000



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Collection, Conservation, Characterization, Evaluation and Utilization of Bananas and Plantains	Bureau of Plant Industry	Bureau of Plant Industry/ 404000
Collection, Conservation, Characterization and Utilization of Fruit Germplasm	Bureau of Plant Industry	Bureau of Plant Industry/ 404,000
Collection, Conservation, Characterization and Utilization of Cacao and Coffee	Bureau of Plant Industry	Bureau of Plant Industry/ 370,000
Collection, Conservation, Characterization and Utilization of Different Indigenous Vegetables, Herbs and Spices	Bureau of Plant Industry	Bureau of Plant Industry/ 350,000
Collection, Conservation, and Utilization of NSIC-Registered Varieties of Cassava	Bureau of Plant Industry	Bureau of Plant Industry/ 350,000
Utilization of Leaves of Different types of Banana into Packaging Materials	Bureau of Plant Industry	Bureau of Plant Industry/ 260,000
Surveillance and Molecular Detection of Viral Pathogens Associated Thrips Vector on Pummelo and Mangosteen in Mindanao	Bureau of Plant Industry	DA-BAR/ 3,595,740
Bio-enriched Spent Mushroom Substrate (SMS) of <i>Pleurotus</i> as Potential Control against <i>Fusarium</i> Wilt on Cavendish Banana (<i>Fusarium oxysporum</i> f. sp. <i>cubense</i>) TR4	Bureau of Plant Industry	Bureau of Plant Industry/ 1,119,088
Evaluation of different commercial organic foliar fertilizers on the growth performance of pummelo	Bureau of Plant Industry	Bureau of Plant Industry/ 260,000
Mindanao Cattle Research and Development Project	University of the Philippines Mindanao	DA-RFO XI / 5,326,000



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Hort/2015/042 Development of Area-Wide Management Approaches for Fruit Flies in Mango for Indonesia, Philippines, Australia and the Asia-Pacific	University of the Philippines Mindanao	ACIAR/ 2056976.38
Developing the Capability of Micro- and Small-Scale Processors in the Manufacture of Quality Food Products from Philippine Cocoa Beans: Study 3: Determination of Sensory Properties of Davao-Produced Dried Cocoa Beans and Tablea	University of the Philippines Mindanao	DOST-PCIERD/
Annotated Compendium of Gender and Development Research in Agriculture, Aquatic, and Natural Resources (AANR): Towards developing the AANR Gender and Development Research and Development Agenda and Framework	University of the Philippines Mindanao	DOST-PCAARRD/ 5,000,000
Assessing the desirability, feasibility and viability of expanding brackish water tilapia production towards developing an effective business model	University of the Philippines Mindanao	DOST-PCAARRD/ 5,000,000
Activity Budget and Diet Composition of Philippine Long-Tailed Macaques (<i>Macaca fascicularis philippensis</i>) in Human-Modified Landscapes of Hindang, Leyte, and Makilala, North Cotabato, Philippines	University of the Philippines Mindanao	DOST-NRCP/ 3,254,299.96



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Project 1. Population genomics and species diversity of reef fishes between Sulu and Celebes Seas biogeographic regions	University of the Philippines Mindanao	ACIAR/ 15,785,093
Project 2. Information System for Marine Fishery Morphology and DNA Sequence in Mindanao	University of the Philippines Mindanao	DOST-PCIERD/ 29,546,671
Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	University of the Philippines Mindanao	DOST-PCAARRD/ 5,882,088
Cost-effective Technology for Monitoring and Quantifying Benthic Area Covered by Marine Litter in Shallow Coastal Areas	University of the Philippines Mindanao	DOST-PCAARRD/ 5,882,088
Integrated Wastewater-Based Epidemiology and Data Analytics for Community-Level Pathogen Surveillance and Genetic Tracking: Proof-of-Concept	University of the Philippines Mindanao	DOST-NRCP/ 11,726,712
Vulnerability Assessment Tool: A Decision Support System for Pre-Emptive Preparedness on Emerging Infections Among Animal Reservoir in Urban Green Spaces	University of the Philippines Mindanao	DOST-PCHRD/ 23,254,933.24
Predictive Modeling and Viral Phylodynamic Analysis on the Spatial and Temporal Patterns of Disease Outbreaks with considerations for Control and Logistics (PPASTOL) applied in Mindanao region	University of the Philippines Mindanao	DOST;DOST-PCHRD/ 22,023,350.78



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Risk Management and Enhanced Survivability Analysis Integrated through Longitudinal Infectious Disease Data and Statistical Epidemiological Model using Clinical Risk Factors (RESILIEMC)	University of the Philippines Mindanao	DOST;DOST-PCHRD/8,475,824
Automated Labeling Machine – Large Scale Initiative (ALaM-LSI)	University of the Philippines Mindanao	DOST-PCIEERD/48,310,532.16
Phytological Control of Cogon (<i>Imperata cylindrica</i> (L.) Beauv) Using Clones Applied with Biofertilizer and Combination of NPK and Vermicast in Degraded Ancestral Domain Area,Talaingod, Davao del Norte	DENR-ERDB-ARDEC	ERDB/ 4, 304,800
Valuation of Ecosystem Services in a Community-Based Forest Management Agroforestry (CBFM A/F) Area in Baranga Bantol, Marilog Dist., Davao City	DENR-ERDB-ARDEC	MGB/2,650,764
Phytostabilization of Mercury Contaminated Areas Using Forest Tree Species with Heavy Metal Accumulation Potential Within the Pit Lake of Sta. Lourdes, Puerto Princesa, Palawan	DENR-ERDB-ARDEC	MGB/ 3,915,893
Phytoremediation for Mercury Contaminated Water in Abandoned Open Pit in Sta. Lourdes, Puerto Princesa City	DENR-ERDB-ARDEC	MGB/ 2,455,683



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Design and Improvement of Adlai (Coix lacryma jobi L) Milling Machine	SPAMAST	SPAMAST GAA/ 50000
Social Support and Quality of Worklife among COVID19 Frontline Workers: The Mediating Effect of Health and Safety	SPAMAST	SPAMAST GAA/ 30000/
Resilient Social Work Practice: From the Experiences of Filipino Social Workers	SPAMAST	SPAMAST GAA/30,000.00
A Version of Creamy Buko Pie with Peanut and Raisins: Shelf Life and Consumers' Acceptability	SPAMAST	SPAMAST GAA/ 38,000.00
Supply-Chain of ADLAI in Davao Region	SPAMAST	SPAMAST GAA/35,000.00
Assessment of Species of Mud Crab (Scylla spp.) Stocks in Mangrove Areas in Davao Occidental	SPAMAST	SPAMAST GAA/ 20,000.00
Primary Productivity in Nearby Coastal Water of Coal Powerplant	SPAMAST	SPAMAST GAA/35,595.00
Effects of Fish Cages on Water Quality in Sta. Maria, Davao Occidental	SPAMAST	SPAMAST GAA/50,000.00
Challenges and Lessons Learned in the Implementation of Government Policies during COVID 19 Pandemic	SPAMAST	SPAMAST GAA/ 30,000.00



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
The K-Domination Defect in the Join and Corona of Graphs	SPAMAST	SPAMAST GAA/30,000.00
Relativist (Soven Kierkegaard) Perceptual Theory on COVID-19 Pandemic	SPAMAST	SPAMAST GAA/ 38,000.00
Promoting Food Resiliency through Palaisdaan sa Pamantasan Project	SPAMAST	SPAMAST GAA/ 35,000.00
Promoting Food Resiliency Through “ Itikan sa Pamantasan Project (IPP) ”	SPAMAST	SPAMAST GAA/ 20,000.00
Barangay Integrated Development Approach (BIDA) Center for Organic Production Technology (OPT)	SPAMAST	SPAMAST GAA/20,000.00
Livelihood Innovation and Fair Entrepreneurship (LIFE) Extension Program	SPAMAST	SPAMAST GAA/41,600.00
Dyslexia Center Support to Struggling Reader	SPAMAST	SPAMAST GAA/30,000.00
Skills Training for the Deprived, Depressed and Underserved Persons	SPAMAST	SPAMAST GAA/20,000.00
Community Innovations and Development Solutions (CIDS)	SPAMAST	SPAMAST GAA/38,000.00

Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Tilapia Value-Added Products: Entrepreneurship Opportunity for Inland Fish farmers	SPAMAST	SPAMAST GAA/25,000.00
My Garbage and I Extension Project	SPAMAST GAA	SPAMAST GAA/ 38,250.00
Utilization of Geographical Information System (GIS) Map for Adlai (Coix lacryma-jobi L.) Production in Selected Barangays in Malita, Davao Occidental	SPAMAST	SPAMAST GAA/10,465.00
Customary Conflict Resolution Syllabus Dissemination among HEIs in Davao Occidental & Del Sur	SPAMAST	SPAMAST GAA/14,874.38
Beach Forest Profiling in Malita Davao Occidental	SPAMAST	SPAMAST GAA/38,000.00
Cytotoxicity assessment of the selected medicinal plants utilized by the Indigenous People (IPs) of Don Marcelino, Davao Occidental	SPAMAST	SPAMAST GAA/38,000.00
Ethno-botanical Survey of Indigenous Herbs and Spices in Municipality Area of Jose Abad Santos, Davao Occidental	SPAMAST	-
GIS Mapping and Characterization of Different Varieties of Adlai in Selected Barangays of Davao Occidental	SPAMAST	SPAMAST GAA/26,000.00



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Basura ko, Sagot ko (International Cleanup Version)	SPAMAST	SPAMAST GAA/27,000.00
Enhancing Productivity of Inland Aquafarmers of Malita, Davao Occidental through Capability Development Activities		SPAMAST GAA/27,000.00
Community-Based Production of Dragon Fruit Seedlings (Hylocereus undatus) in Buhangin, Malita, Davao del Sur	SPAMAST	SPAMAST GAA/38,000.00
S&T-based Organically Grown Cucumber: Production, Marketing and Information Dissemination	SPAMAST	SPAMAST GAA/ 20,000.00
iSTACK - Integrated and Systemic Technology for Agricultural e-Commercial Kart	SPAMAST	SPAMAST GAA/86,000.00
SPAMAST E- Learning Series for BSSW Agency Field Supervisors in partnership with PASWI Davao Occidental Chapter	SPAMAST	SPAMAST GAA/ 30,000.00
Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Southern Mindanao: UGMARA: Uplifting the Grassroot-based Mindanaoans in AANR initiatives through Regional Approach	SPAMAST	DOST-PCAARRD/1,829,348.00
Developing IP-TBM in SPAMAST through RAISE		
Sustainable Agri-Fishery Enterprise (SAFE) on Fish Processing and Incubation Hub	SPAMAST	DA/40,000,000.00



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
Pre-Harvest & Post-Harvest Mangifera Indica Quality of Mango as Influenced by Cultural Practices and Weather Condition	SPAMAST	SPAMAST GAA/ 40,000
Household Finance Management (HFM): An Assessment of Financial Knowledge and Behavior of Women and Basis for Interventions in Barangay Buhangin, Malita, Davao Occidental	SPAMAST	SPAMAST GAA/ 20,000
Physico-Chemical Properties of Soils and Soil Fertility Status under Mango (Mangifera indica) Production Area in Malita, Davao Occidental	SPAMAST	SPAMAST GAA/ 35,595
Blockchain-Based Novel System Application for Transparent Traceability of Halal-and-Tayeb Cacao Products	University of Southeastern Philippines	DOST/6,586,856.00
Resiliency of the Agriculture, Aquatic and Natural Resources (AANR) Sector in Times of Crisis: A Compendium of Regional Case Studies and Best Practices of Consortium Members' Initiatives in the Philippines	University of Southeastern Philippines	DOST-PCAARRD/ 2,000,000.00
Inter-consortia Convergence in Socio-Economic R&D Institutionalization of the Socio Economic Research and Data Analytics Centers in Consortia Operations	University of Southeastern Philippines	DOST-PCAARRD/1,601,619.00
An Integrated Management Response to the Spread of Fusarium Wilt of Banana in Southeast Asia (ACIAR Phase 2)	University of Southeastern Philippines	ACIAR/ AuD276,311



Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source
Application and Improvement of Embryo Transfer (ET) and Artificial Insemination Technologies as Tools Toward Achieving the Desired Number of Genetically Superior Breeder Dairy Cattle	USEP	DOST-PCAARRD/ 7,013,160.20
Design, Development and Optimization of an Automated Combined Mechanical Cacao Democilager-Fermenter-Dryer	University of Southeastern Philippines	DOST-PCAARRD/ 4,945,925.00
Enhancement of Food Processing Laboratory of USEP Tagum-Mabini Campus	University of Southeastern Philippines	DA-funded/ 5,000,000.00
Upgrading of Indoor and Controlled Button Mushroom Production Facility at University of Southeastern Philippines	University of Southeastern Philippines	DA-funded/ 5,000,000.00
Upgrading of Banana Tissue Culture Laboratory at University of Southeastern Philippines	University of Southeastern Philippines	DA-funded/ 5,000,000.00
Development and pilot testing of tree climbing-harvesting device and mobile mechanical dehusker for coconut	University of Southeastern Philippines	DOST-PCAARRD/ 4,999,995.00
Pest and Disease Incidence and Severity in Falcata Plantations in Mindanao	University of Southeastern Philippines	DOST-PCAARRD/ 5,779,862.53
Implementation of National Cooperative Test for Special Purpose Rice	University of Southeastern Philippines	246,400.00
ChicIoT: An IOT-Based Smart Poultry Building Environment and Growth and Health Status Monitoring and Modelling	University of Southeastern Philippines	DOST/ 4,768,038.00
Philippine Mining at the National to Catchment Scale: from Legacy Impacts to Sustainable Futures (PAMANA)	University of Southeastern Philippines	
Near-Real Time Monitoring of Banana Nutritional Status and Yield Forecasting Using Airborne Multispectral Imaging	University of Southeastern Philippines (USEP-CARS)	DOST-PCAARRD/ 5,000,000
Remote Sensing for Sustainable Minerals Development: A Case Study of Tampakan Deposit	University of Southeastern Philippines (USEP-CARS)	Sagitarrius Mines, Inc/ 280,000

Ongoing Projects as of November 2022

Program/ Project Title/Budhe	Agency	Funding Source/Budget
Impact Assessment of the PCIEERD Infrastructure Development Program	University of Southeastern Philippines (USEP-CARS)	DOST-PCIEERRD/ 1,422,851.65
Impact Assessment of the Phil LiDAR Program	University of Southeastern Philippines	DOST-PCIEERRD/ 2,218,354.17
Bacteriocin from Fermented Durian Rinds to Prevent Food Safety Issues	University of Southeastern Philippines	DOST-PCHRD/ 1,119,999
Development of the Philippine Groundwater Health Index (PGHI) for Monitoring Groundwater in Agricultural Areas	University of Southeastern Philippines	DOST-PCAARRD
Improvement of Soybean in Davao Oriental thru enhanced value chains, sustainable seed sector, and better varieties under different cropping systems	Davao Oriental State University	DOST-PCAARRD
Biodiversity in Selected Mountain Ecosystems of Mindanao for Conservation and sustainable Development	Davao Oriental State University	DOST-PCAARRD
Corn-Based Farming System (Corn+Peanut/ Corn+Mungbean) in Sitio Quarry, Barangay Malabog Paquibato District, Davao City	Department of Agriculture – RFO XI	
Maintenance and Operation of the DA RFO XI Itik Pinas Nucleus and Multiplier Farm and Itik Pinas Kayumanggi Duck Egg Production Project	Department of Agriculture – RFO XI	
Outscaling of Rice-based Farming System (Black Rice + Itik Pinas + Vegetable - Pinakbet) in Braulio E. Dujali, Davao Del Norte	Department of Agriculture – RFO XI	
Outscaling of Arabica Coffee Based Farming System (Coffee & White Potato + Upland Vegetables) in Barangay Alegre, Bansalan, Davao del Sur	Department of Agriculture – RFO XI	

Ongoing Projects as of November 2022

Program/ Project Title	Agency	Funding Source/Budget
ADAPTATION MITIGATION INITIATIVE in AGRICULTURE (AMIA-CRA) “Upscaling of Community Cacao/Coffee based Integrated Farming and Rehabilitation in different localities in Davao Oriental and Davao del Sur	Department of Agriculture – RFO XI	
Nutrient and Water Management for a Climate Change Resilient Coconut Agroecosystem in Luzon, Visayas, Mindanao	PCA-DRC	PCA/ 9,113,009
Development of Modalities on Climate-Resilient Coconut-based Farming Systems	PCA-DRC	PCA/ 2,700,000
Development of Investment Portfolio for Commercialization of Science-Defined Technologies on Coconut-Based Farming Systems	PCA-DRC	PCA/ 1, 700,000
Development of pest and disease monitoring, forecasting and management strategies using GIS	PCA-DRC	PCA/ 5,100.000
Physico-Chemical Properties of Soils and Soil Fertility Status under Mango (Mangifera indica) Production Area in Malita, Davao Occidental	SPAMAST	
Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Southern Mindanao : UGMARA Uplifting Grassroot-based Minadanaoans in AANR Initiatives through Regional Approach	DNSC DORSU SPAMAST UPMin USEP BPI PCA DDOSC DSSC KCAST	DOST-PCAARRD/ Year 1 & 2 = 30,229,888



Newly-Approved Proposals as of November 2022

Program/ Project Title	Proponent/ Agency	Budget	Funding Source	Status
Cacao Traceability in the Philippines (Phase 2)	USEP	PhP 4.9M	DOST-PCAARRD	MOA Processing in Progress
Extending the Reach and Impact of the LIFE (Livelihood Improvement through Facilitated Extension) Model in Improving Livelihoods and Building Peace in Conflict-Vulnerable Communities in Mindanao	UPMin and USEP	PhP 32M	DOST-PCAARRD	MOA Processing in progress
Regional Collaboration Program (RCP) for Southern Mindanao	SMAARRDEC	PhP 4.9M	DOST-PCAARRD	MOA Processing in progress

Research and Development Results Utilization



RAISE-UGMARA Program Update

- Conducted Learning Visit at CLSU, PhilRice and PhilMECH last November 21-22, 2022
- Attended the 2nd National ATBI Conference and 1st Incubatee Summit last November 23-25, 2022 to strengthen the ATBI ecosystem and serve as venue to share best practices among ATBI stakeholders.



Technologies to Pitch

- **Coconut Climber**
by USeP
- **Coconut Pest Management**
by PCA-DRC

Will be pitched during the Conduct of Davao Region Coconut Conference and Exhibit on December 2, 2022 at SMX Lanang Davao City

Technologies to Pitch

Liquid Trichoderma
by DSSC

Palay Paint
by UPMIn

**Will be pitched during the
Conduct of Agri-Aqua Innovation
Pitch Fest on December 6, 2022
at Alabang Muntinlupa City**



Capability Building and Governance



Training-Workshop on Strengthening Sustainable Cacao Farming in the Phils in Response to Climate Change in the Midst of Pandemic

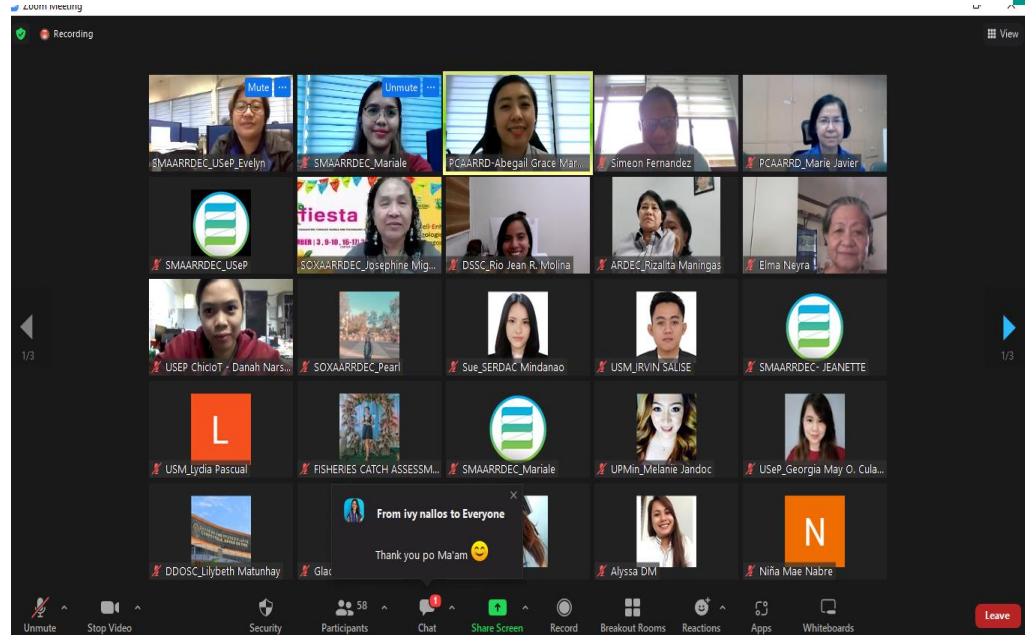
held on November 24-28, 2022 at USeP and via Zoom

- **Organized by PCAARRD– FERD and De La Salle University in coordination with SMAARRDEC**
- **Attended by Cacao growers in Regions 11 & 12, Cooperative Reps, Faculty-Researchers**

Financial Management Webinar

held on November 3, 2022

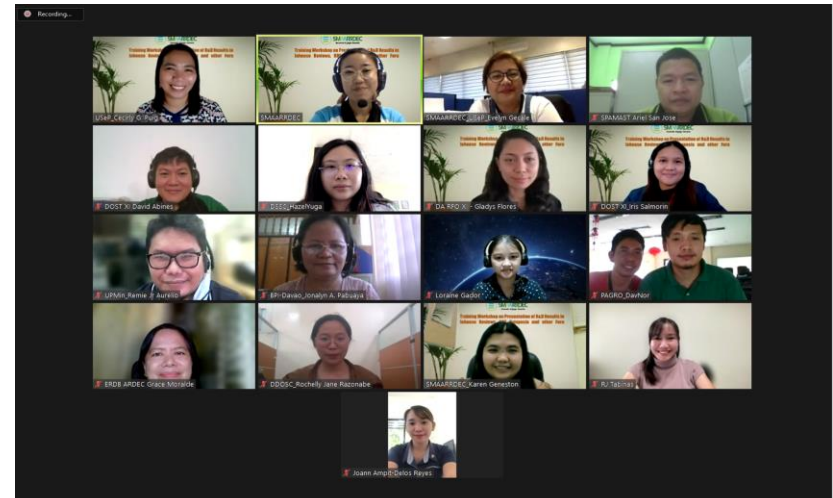
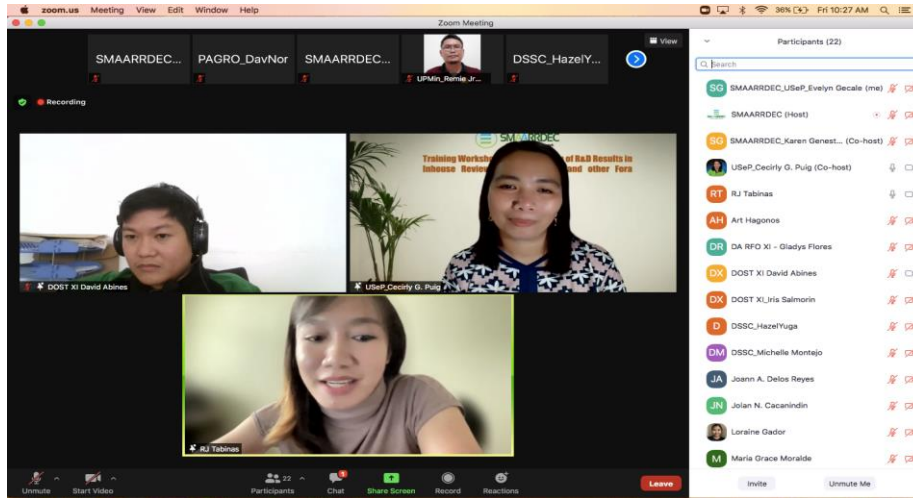
- Participated by SMAARRDEC and SOXAARRDEC
- Attended by the Consortium Secretariat, Project Leaders and Accounting Staff
- Speakers from DOST-PCAARRD re-oriented the participants with the DOST guidelines particularly on the reportorial and liquidation of research grants



Training Workshop on R&D Results for Inhouse Reviews , RDE Symposia and other Fora

held on November 3-4, 2022

- RRD Cluster Coordinator Dr. Cecirly G. Puig served as the Resource Speaker of the Training
- Trained 30 budding researchers from the implementing member institutions and some from the non-implementing CMIIs



Recognition from DOST-PCAARRD during its Golden Anniversary Celebration

held on November 10, 2022 at DOST-PCAARRD, Los Baños Laguna

- Recognition of SMAARRDEC for its unwavering commitment and valuable connection as PCAARRD's partner in implementing banner programs of the Council
- Ceremonial signing of MOA for the implementation of Regional Collaborative Program for Southern Mindanao in the next 3



Policy Advocacy for S&T Development



RRDIC and RDC Approved Resolutions on Research-based Policies

RRDIC XI RESOLUTION NO. 05 S. 2022 Endorsing to RDC XI the development of a policy to adopt species-site compatibility and forest planting materials certification prior to planting activities especially in protected areas (*output of Geospatial Analysis of Gall Rust in Falcata and its Attempt to Reduce Pest Occurrence at Compostela Valley, Philippines*)

RRDIC XI RESOLUTION NO. 06 S. 2022 Endorsing to RDC XI the adoption of Science for the Convergence of Agriculture and Tourism (SciCAT) approach in developing farm tourism sites in Davao Region, enjoin the engagement of DOT on the accreditation of science-based farm tourism sites including State Universities and Colleges, and enjoin DTI in the establishment of “One Town, One Farm Tourism Site (OTOFTS)” in each province in Davao Region

RRDIC XI RESOLUTION NO. 14 S. 2022 Enjoin support of Local Government Units and stakeholders to strengthen the Marine Protected Areas and Giant Clams conservation efforts in the region

RRDIC and RDC Approved Resolutions on Research-based Policies

RRDIC XI RESOLUTION NO. 15 S. 2022 Enjoining the Department of Energy and Local Government Units to support and adopt the Payment Innovation for Solar Home Systems (SHS) Ownership by Lay-away Routine (PISOLAR) for deployment to various geographically isolated and disadvantaged areas (GIDAs) in Davao Region and in Mindanao with appropriate funds thereof

RDC XI Resolution No. 133, s. 2022 “Approving the Creation of a Regional Task Force in the Implementation of the PNS-BAFPS 11:2001 or the National Standard for Fresh Fruits - Pummelo”

Policy Brief for Presentation to RRDIC XI

POLICY BRIEF		
Agency	Authors	Title
DORSU	Amy G. Ponce	Securing the Future of the Endangered: Mega Bat's Plea for a Home Security
DSSC	Rodcel Malinao* Jeanevive D. Gica Cecile Lofranco	Gender based Involvement in the Management of Marine Protected Areas in Sta. Cruz Davao del Sur

Update on Liquidation of Completed Projects

SUMMARY OF UNLIQUIDATED BALANCE AS OF MONTH OF NOVEMBER 2022			
AGENCY/RESPONSIBLE UNIT	NO.OF PROJECT	CLEARED	NOT CLEARED
USeP-SMAARRDEC	4	0	3
DNSC	2	0	2
DORSU	4	0	4
SPAMAST	8	0	8
UPM	2	0	2
USeP	19	0	19
USeP-TAGUM	2	0	2
BPI-DNCRDC	6	0	6
DA-RFOX1	6	1	5
DA-SMIARC	2	0	2
DENR X1	1	0	1
DDOSC	1	1	0
DDSC	1	1	0
TOTAL OF AGENCIES=14	TOTAL OF PROJECTS =58	TOTAL OF CLEARED	TOTAL OF NOT CLEARED



Financial Status as of November 2022

SUMMARY

As of November 24, 2022

Consortium Operations 2022

Total Released (2022)	2,952,262.00				
	Budget	Disbursed	Payables	Unexpended	Utilization
Salary	293,784.00	242,901.49	12,241.00	38,641.51	86.85
Honorarium	436,800.00	320,000.00	91,200.00	25,600.00	94.14
Travel	62,158.00	62,158.00	-	-	100.00
Communication	30,000.00	12,841.62	-	17,158.38	42.81
Repairs and Maintenance	-	-	-	-	0.00
Supplies	144,400.00	144,400.00	-	-	100.00
Printing	100,000.00	96,417.00	-	3,583.00	96.42
Rent Expense	38,500.00	38,000.00	-	500.00	98.70
Representation	802,448.69	760,990.00	41,458.69	(0.00)	100.00
Other Professional Services	519,409.05	299,274.85	139,326.00	80,808.20	84.44
Other MOOE	166,845.40	139,044.75	23,041.31	4,759.34	97.15
Subscription Expenses	7,916.86	7,916.86	-	-	100.00
Indirect Cost Utilities	50,000.00	-	50,000.00	-	100.00
Indirect Cost Supplies and Materials Exp.	40,000.00	34,436.35	5,563.65	-	100.00
Indirect Cost Communication Exp.	10,000.00	-	10,000.00	-	100.00
Equipment Outlay	250,000.00	-	-	250,000.00	0.00
Total	2,952,262.00	2,158,380.92	372,830.65	421,050.43	85.74

SUMMARY

As of November 22, 2022

General FUND 2022

Budget

Check No.

Date

Items	2021	2022	Total	Disbursed	Payables	Balance
Contribution	597,939.30	175,000.00	772,939.30	134,281.83	11,853.25	626,804.22
Interest	252,967.91	628.17	253,596.08	264.95	-	253,331.13
Registration	127,032.30	-	127,032.30	-	-	127,032.30
Awards	308,343.87	-	308,343.87	99,500.00	-	208,843.87
Total	1,286,283.38	175,628.17	1,461,911.55	234,046.78	11,853.25	1,216,011.52

Update on CMIs Annual Contribution as of November 2022

Agencies	Year Contributed	
	2021	2022
BFAR XI		
BPI-DNCRDPSC	✓	✓
DA-RFO XI	✓	✓
DDOSC	✓	✓
DENR-ERDB-ARDEC	✓	✓
DNSC	✓	✓
DORSU		
DOST XI	✓	✓
DSSC	✓	✓
PCA-DRC	✓	✓
PhilFIDA XI	✓	
PLGU-DavNor	✓	✓
PLGU-DavSur		
PRRI		
SPAMAST		✓
UPMin		
USeP	✓	✓





SMAARRDEC

Innovate. Engage. Connect.

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SALAMAT!**

