



CONSORTIUM DIRECTOR'S REPORT

As of 1st QUARTER 2022

R & D Management and Coordination

Governance



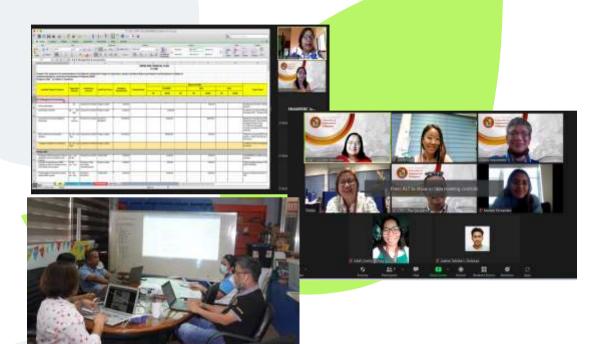
Joint RRDCC Chairpersons and Consortium Directors' Meeting



- Participated by RRDCC
 Chairperson Dr. Lourdes C.
 Generalao and the
 Consortium secretariat
- → Held on January 21, 2022



Consortium Secretariat Meeting

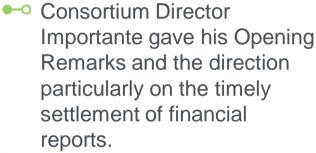


- Held on January 13, 2022
 and March 3, 2022
- Output of which are the identification of activities for the year which translated into SMAARRDEC Work and Financial Plan 2022



IPTBM Year-End Review and Strat Planning







The activity was held on January 19-21, 2022



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Innovate. Engage. Connect.

Conducted CMI Visit



 Conducted courtesy visit to the newly appointed DA-RFO XI Regional Executive Director (RED) Abel James I. Monteagudo at Bangoy Office and visited DA-Research Center in Manambulan last February 7, 2022.



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Innovate. Engage. Connect.

Conducted CMI Visit





Visited implementing CMIs namely BPI, PCA and UPMin on February 11, 2022.
 Status of on-going researches and settlement of unliquidated completed projects were discussed



Conducted Joint Cluster Meeting

- Conducted on March 24, 2022 and attended by the Consortium secretariat and focal persons of the CMIs
- Orientation of the deliverables for the year



Meeting with the Philippine Army on Tatag IP Students Support Program

- As an off-shoot of the partnership with Philippine Army on AGAK project, SMAARRDEC initiated a meeting with the 56th IB Phil Army, Airforce Reserve Center, USeP-School of Law and Extension Division on the possible interventions for "Tatag IP Students Support Program"
- → Held on March 3 and 10, 2022



Writeshop on the Crafting of Sustainable Project for

Tatag IP Students

- Conducted on March 25-26, 2022 at Sunny Point Hotel Ma-a Davao City
- It was participated in by 17 faculty-researchers of USeP and 4 focal person of Philippine Army and Airforce Reserve Center
- Crafted 1 project with P7.5M budget under LIFE Phase 2 project proposals of UPMin



KNOWLEDGE **MANAGEMENT** AND **TECHNOLOGY GENERATION**

Strategic Research and Development



PROGRAM/PROJECT	AGENCY
Design, Development and Optimization of an Automated Combined	USeP
Mechanical Demucilager-Fermenter-Dryer for Cacao (Old Title: Design,	
Development and Optimization of an Automated Control Combined Mucilage	
Extractor-Mechanical Cacao Fermenter-Dryer)	
Product Development of Vacuum Fried Tuna Skin	DNSC
Program: Assisted Reproduction, Nutrition and Health Interventions for	USeP
Enhanced Dairy Cattle Productivity and Milk Safety: Application and	
Improvement of Embryo Transfer (ET) and Artificial Insemination	
Technologies as Tools Toward Achieving the Desired Number of Genetically	
Superior Breeder Dairy Cattle	
Development and pilot testing of tree climbing-harvesting device and mobile	USeP
mechanical dehusker for coconut	
Support to the University's Strategies in Technology Acceleration Initiatives	USeP, DSSC,
by Nurturing (SUSTAIN) the Intellectual Property and Technology Business	DNSC, DdOSC
Management (IP-TBM) Offices of the Consortia Member Agencies (Phase II)	DORSU,



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Innovate. Engage. Connect.

PROGRAM/PROJECT	AGENCY
Supply Chain Analysis of Pummelo in Selected Regions of the Philippines	USeP
Institutionalization of the Socio-Economics Research and Data Analytics	USeP
Centers (SERDAC 2) in Consortia Operations	
Development and pilot testing of tree climbing-harvesting device and mobile	USeP
mechanical dehusker for coconut	
Pest and Disease Incidence and Severity in Falcata Plantations in Mindanao	USeP
Improvement of Soybean in Davao Oriental thru enhanced value chains,	DORSU
sustainable seed sector, and better varieties under different cropping	
systems	
Biodiversity in Selected Mountain Ecosystems of Mindanao for Conservation	DORSU
and sustainable Development	
SciCAT Agri-VIDA: A Project on the Advancement and Generation of Robust	USeP
Source of Income Through Value-Added Innovations and Continual	
Dissemination of Agri-Technologies Towards Sustainable Farm Tourism	



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Innovate. Engage. Connect.

PROGRAM/PROJECT	AGENCY
Field performance trial for the hybrids (NCT-HR)	KCAST
	Funded by Philrice
Vulnerability Assessment and Value Chain Analysis of Pacific Whiteleg Shrimp	DORSU
(Litopennaues vannamei) and Biodiversity Species in Davao Region, Philippines	Funded by DA-PRDP
Surveillance and Molecular Detection of Viral Pathogens and Associated with Thrips	BPI-DNCRDPSC
Vector on Pummelo and Mangosteen in Mindanao	Funded by DA-BAR
Community Empowerment thru Science and Technology for Geographically Isolated	SPAMAST
and Disadvantage Areas ans Marginalized Community in Malita, Davao occidental	Funded by DOST
Development of Kalamansi Nip in Dry Form Using Spray Dying Method	SPAMAST
	Funded by DOST
Enhanced Capability Building in R&D in Genomics Program/ Establishment of	UPMin
Genomics Consortium and Core Facility in Mindanao	Funded by DOST
Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV) Program/ Harmonized Aerial	
Watch and Knowledge-based Survey (HAWKS)	



PROGRAM/PROJECT	AGENCY
Human-Macaque Interface (HUMAIN): Mitigation of Conflicts and Zoonosis in Human-modified Habitats in Selected Tourist Areas in Leyte and Mindanao Islands Program/ Activity Budget and Diet Composition of Philippine Long-Tailed Macaques (Macaca fascicularis philippensis) in Human-Modified Landscapes of Hindang, Leyte, and Makilala, North Cotabato, Philippines	UPMin
Artificial Intelligence Program / Cost-effective Technology for Monitoring and Quantifying Benthic Area Covered by Marine Litter in Shallow Coastal Areas	UPMin
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	UPMin
SkAI-Pinas Program/ Automated Labeling Machine – Large Scale Initiative (ALaM-LSI)	UPMin
Plant mediated synthesis of silver nanoparticles using mangosteen pericarp and their antimicrobial potential	UPMin
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	UPMin
Assessing the desirability, feasibility and viability of expanding brackish water tilapia production towards developing an effective business model	UPMin



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Newly-Approved Proposals

PROGRAM/PROJECT	AGENCY
Regional Agri-Aqua Innovation System Enhancement (RAISE) Program for Southern Mindanao: UGMARA: Uplifting the Grassroot-based Minadanaoans in AANR Initiatives through Regional Approach	USeP, BPI-DNRDSPC, DNSC, DORSU, DSSC, KCAST, PCA-DRC,
Business Management (IP-TBM) Hub of SMARRDEC in Davao Region	SPAMAST
Project 2: Establishment of a Regional Agribusiness Hub (ABH) of SMAARRDEC in Davao Region	
Project 3: Establishment of a Regional Agri-Aqua Technology Business Incubation (ATBI) Hub of SMAARRDEC in Davao Region	
Project 3-A: UseP's Agri-Aqua Technology Business Incubation (ATBI) Facility and Services for Smart Farming, Pre- and Post-Harvest and Food Technologies	Funded by DOST- PCAARRD
Project 4: Regional Knowledge Management-Establishment of a Regional Intellectual Property and Technology Business Management (IP-TBM) Hub of SMAARDEC in Davao Region	



Newly-Approved Proposals

AGENCY
DDOSC
Funded by: DOST-NCRP
DNICC and LIDMin
DNSC and UPMin
Funded by: DOST
USeP-CAEc
Funded by: DOST-PCIEERD
USeP-CAEc
Funded by: DOST-PCIEERD
ARDEC
Funded by DENR
DSSC
Funded by: DOST XI



Proposals Submitted for Funding

PROGRAM/PROJECT	PROPONENT	FUNDING AGENCY
Inclusive Science for Livelihood in Agri-Aqua (ISLA) for small is lands: A multi-actor and stakeholder collaboration (MASC) for climate change resiliency – ISLA-MASC	DORSU	PCAARRD
SAFE (Sustainable Agri-Livestock Forecasting for Emergencies) to help, I could not stand for myself': Livestock Animal Emergency Response and Management During Disaster and Emergencies for Davao Oriental.	DORSU	PCAARRD
Cacao Traceability in the Philippines	USeP- CBA	PCAARRD
Near-Realtime Fusarium Wilt Tracking using Gls and Thermal Sensing Technology	USeP-CARS	PCAARRD
Lidar-based Online for fusarium Reconnaissance and Disease Prediction System (LOuRDES)	USeP-CAEc BPI-DNCRDPSC	DA-BAR
Contributing to Peacebuilding through the LIFE model in MILF Communities of Zamboanga Sibugay, South Cotabato and Maguindanao	UPMin	PCAARRD
Expanding the LIFE Model to UP Mindanao's Land Reservation in Laak, Davao de Oro	UPMin	PCAARRD
Reintegration of IP youth Evacuees (BAKWITS): Contributing to peacebuilding through the LIFE model in Talaingod, Davao del Norte	USeP/UPMin	PCAARRD



Review of R&D Projects

- Represented by RDC
 Coordinator Dr. Cecirly G Puig
 as member of the panel of
 evaluators
- Held on Feb 17, 2022 viaZoom Meeting



R & D RESULTS UTILIZATION

Knowledge Management



2021 Regional Symposium on RDE Highlights

Conducted on September 1, 2022 via zoom; Only top 3 winners were presented virtually in 5 categories namely Research, Development, Poster, Policy Briefs, Student Thesis and Student Poster. The following winning papers will be elevated to NSAARRD.

Research Category

The Use of Geospatial Analysis of Gall Rust [Uromycladium falcatarium (Sacc) in Falcata [Falcataria moluccana (Miq.)] to Determine Disease Occurence in Davao de Oro, Philippines

Development Category

Amoma ug Giya sa Kahamugaway (Care and Guide for Stability): Community Intervention for Ata on Saba/Cardava Production in Selected Areas of Davao Region



Virtual Mango FIESTA

- Conducted on Dec 3, 9-10, 16 and 20, 2021
- Produced video production of the identified ready-for-commercialization mango technologies
- Attendance of the 100 target participants achieved via zoom; reached almost 1000 viewers via Facebook live
- Forged two (2) licensing agreement with RAMPEC and Division 16
- Engaged with Panabo Mango Farmers
 Association on the use of mango picker and sprayer through the LGU
- Attendance of the researchers and active participation of the SUC-CMIs students of the three consortia in the pocket events
- Polishing of FIESTA magazine is on going



SUSTAIN-IPTBM

Support to the USeP's Strategies in Technology Acceleration Initiatives by Nurturing (SUSTAIN) the Intellectual Property and Technology Business Management (IP-TBM) Offices of the Consortia Member Agencies (Phase II)

Mentor Project Leader: Engr. Filmann T. Simpao

Program Duration: 2 Years (Jan. 1, 2020 to Dec. 31, 2021)

Approved Extension: 6 months (Jan 1, 2022 to June 30, 2022)



SERDAC

"Inter-Consortia Convergence in Socio-Economics R&D: Institutionalization of the Socio-Economics Research and Data Analytics Center (SERDACs) in Consortia Operations"



- 14 Trainings/Seminars conducted nationwide
- The SERDAC Mindanao provided the list of services offered to the College of Information and Computing -USeP to promote the SERDAC laboratory that the students, faculty and staff can use
- The Program Leader presented the services in every training/workshop conducted by SERDAC.
- Project Leader Jennifer E. Hinlo presented the SERDAC Mindanao services during the 4th quarter RRDIC XI Meeting last November 23, 2021



Newly-Approved RAISE Program

Conducted the National inception meeting on January 28, 2022 and the face to face Regional inception meeting on March 4, 2022 at USeP-Hostel Obrero Davao City



En-banc Review of Proposed ISLA-MASC

Facilitated by DOST-PCAARRD –TTPD Director Noel Catibog, the DORSU proposal on Inclusive Science for Livelihood in Agri-Aqua (ISLA) for Small Islands passed through the initial evaluation at PCAARRD level before uploading at DPMIS. The meeting was conducted on February 16, 2022 with CD Gilbert Importante, TTC Coor Evelyn Gecale, DORSU VPRDE Dr. Wilanfranco Tayone, and Research Director Dr. Roy Padilla. The proposal was presented by Dr. Janessa P. Catam-isan



CAPABILITY BUILDING







SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM Innovate. Engage. Connect.

Revival of PHILARM Region XI Chapter

PHILARM National office met the incumbent officers of Mindanao Chapters on February 9, 2022 with President Dr. Melvin Carlos

- Regional meeting was conducted on February 10, 2022 and presided by Retired Consortium Director Danilo Pacoy
- Elected a new set of officers with Dr Khris June Callano of DSSC as Chapter President



SOUTHERN MINDANAO AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT CONSORTIUM

Recognition during the PCA-DRC 56th Anniversary

- Represented by CD
 Importante and TTC Coor
 Gecale
- Oshiro, Mintal on February 28, 2022







POLICY RESEARCH and ADVOCACY & GOVERNANCE

S & T Development



Policy Presentation

Mr. Bryl I. Manigo of USeP presented the proposed policy "Recognizing Science based Farm Tourism as a new Economic Development Strategy for Farming in Davao Region" during the 1st Quarter RRDIC XI Meeting held on March 4, 2022 via Zoom.

This policy is generated from the development project "Science for the Convergence of Agriculture and Tourism (SciCAT)"



Policy Presentation

Dr. Nympha E. Branzuela of USeP likewise presented her proposed policy on Geospatial Analysis of Gall Rust in Falcata and its Attempt to Reduce Pest Occurrence"



Training on Mainstreaming GAD in SMAARRDEC-CMIs

- with 30 junior researchers and extensionists trained
- Participants were oriented about the basics of Gender Sensitivity and analysis tools to form part in crafting R&D proposals
- Prof. Rioliza B. Molina, GAD Directress of USeP served as Resource Speaker



PARTICIPATION TO DOST-PCAARRD MEETINGS

- Mainstreaming of KM for AANR Meeting on September 2, 2021 (Thursday), 2:00 pm via Zoom
- Meeting on SAFE and ISLA September 8, 2021 via Zoom
- PCAARRD Meeting for ISC Evaluation Result for 2020 Ugnay Award on September 13, 2021 (Monday), 1:00 pm via Zoom
- PCAARRD Call for AANR Vlogs from the regional consortia on October 15, 2021 (Friday), 3:00 pm via Zoom.
- 2021 Annual Report Meeting on October 20, 2021 (Wednesday), 9:00 am via Zoom
- Attended the meeting on Joint RRDCC Meeting conducted on January 21, 2022 via zoom
- Implementation of the Regional Collaborative Program in 2022 conducted on February 3, 2022 via Zoom



FINANCIAL STATUS AS OF FEBRUARY 2022

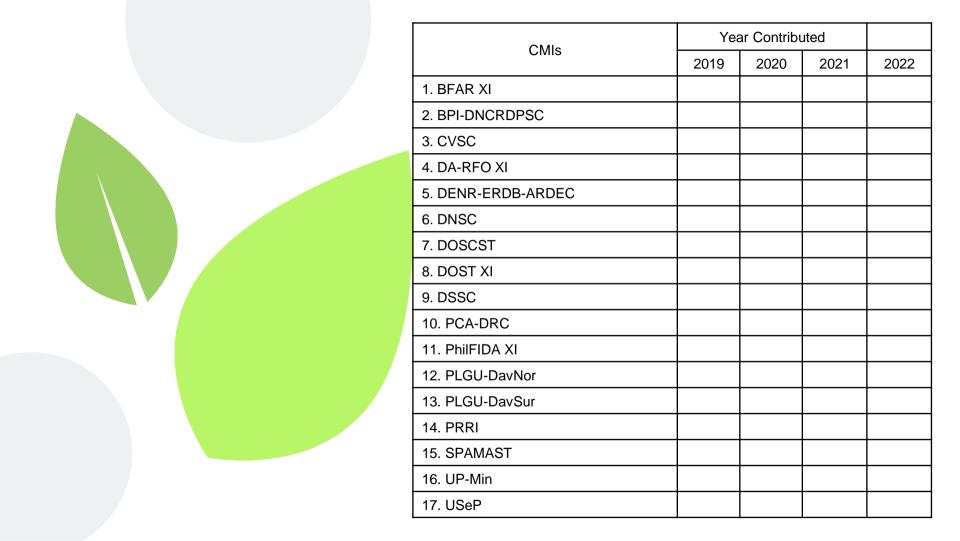


Southern Mindanao Agriculture, Aquatic and Natural Resources Research and Development Consortium

Innovate. Engage. Connect.

UPDATE ON THE CMIs ANNUAL CONTRIBUTION





Daghang Salamat!

