

CONSORTIUM DIRECTOR'S REPORT

As of 1st QUARTER 2022

R & D Management and Coordination

Governance



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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



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IPTBM Year-End Review and Strat Planning



- Consortium Director Importante gave his Opening Remarks and the direction particularly on the timely settlement of financial reports.



- The activity was held on January 19-21, 2022



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.



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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



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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



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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



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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



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KNOWLEDGE MANAGEMENT AND TECHNOLOGY GENERATION

Strategic Research and Development



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On-Going Projects as of March 2022

PROGRAM/PROJECT	AGENCY
Design, Development and Optimization of an Automated Combined Mechanical Demucilager-Fermenter-Dryer for Cacao (Old Title: Design, Development and Optimization of an Automated Control Combined Mucilage Extractor-Mechanical Cacao Fermenter-Dryer)	USEP
Product Development of Vacuum Fried Tuna Skin	DNSC
Program: Assisted Reproduction, Nutrition and Health Interventions for 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	USEP
Development and pilot testing of tree climbing-harvesting device and mobile mechanical deharker for coconut	USEP
Support to the University'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)	USEP, DSSC, DNSC, DdOSC DORSU,

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On-Going Projects as of March 2022

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

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On-Going Projects as of March 2022

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 (<i>Litopennaeus vannamei</i>) and Biodiversity Species in Davao Region, Philippines	DORSU Funded by DA-PRDP
Surveillance and Molecular Detection of Viral Pathogens and Associated with Thrips Vector on Pummelo and Mangosteen in Mindanao	BPI-DNCRDPSC Funded by DA-BAR
Community Empowerment thru Science and Technology for Geographically Isolated and Disadvantage Areas and Marginalized Community in Malita, Davao occidental	SPAMAST Funded by DOST
Development of Kalamansi Nip in Dry Form Using Spray Drying Method	SPAMAST Funded by DOST
Enhanced Capability Building in R&D in Genomics Program/ Establishment of Genomics Consortium and Core Facility in Mindanao	UPMin Funded by DOST
Autonomous Societally Inspired Mission Oriented Vehicles (ASIMOV) Program/ Harmonized Aerial Watch and Knowledge-based Survey (HAWKS)	



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On-Going Projects as of March 2022

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 (<i>Macaca fascicularis philippensis</i>) 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



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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, SPAMAST
Project 1: Establishment of a Regional Hub on Intellectual Property and Technology Business Management (IP-TBM) Hub of SMARRDEC in Davao Region	
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 SMAARRDEC in Davao Region	



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Newly-Approved Proposals

PROGRAM/PROJECT	AGENCY
Mining Technology Innovation for Sustainable Mining Communities: An Impact Assessment of the Community-Led Integrated Non-Mercury, Non-Cyanide Gold Extraction Method (CLINN-GEM) in Davao and Caraga Regions	DDOSC Funded by: DOST-NCRP
Applied Biodiversity Research for the Holistic Advancements in Mindanao (ABRAHAM) Program	DNSC and UPMin Funded by: DOST
Impact Assessment of the PCIEERD Infrastructure Development Program (IDP)	USEP-CAEc Funded by: DOST-PCIEERD
Impact Assessment of the Philippine LIDAR Program	USEP-CAEc Funded by: DOST-PCIEERD
Impact Assessment of CBFM Agroforestry Livelihood Project in Selected Areas of the Philippines	ARDEC Funded by DENR
Coffee Innovative Center for Equipment	DSSC Funded by: DOST XI



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Proposals Submitted for Funding

PROGRAM/PROJECT	PROPONENT	FUNDING AGENCY
Inclusive Science for Livelihood in Agri-Aqua (ISLA) for small islands: 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 GIs 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



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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 via Zoom Meeting



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R & D RESULTS UTILIZATION

Knowledge Management



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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 Occurrence 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



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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



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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)



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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



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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



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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



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CAPABILITY BUILDING



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NSAARRD 2021 Recognition



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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



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Recognition during the PCA-DRC 56th Anniversary

- Represented by CD
Importante and TTC Coor
Gecale
- Held at PCA-DRC, Bago
Oshiro, Mintal on February
28, 2022



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POLICY RESEARCH and ADVOCACY & GOVERNANCE

S & T Development



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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)”



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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”



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Training on Mainstreaming GAD in SMAARRDEC-CMIs

- Conducted on November 4-5, 2021 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



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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




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UPDATE ON THE CMIs ANNUAL CONTRIBUTION



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CMIIs	Year Contributed			
	2019	2020	2021	2022
1. BFAR XI				
2. BPI-DNCRDPSC				
3. CVSC				
4. DA-RFO XI				
5. DENR-ERDB-ARDEC				
6. DNSC				
7. DOSCST				
8. DOST XI				
9. DSSC				
10. PCA-DRC				
11. PhilFIDA XI				
12. PLGU-DavNor				
13. PLGU-DavSur				
14. PRRI				
15. SPAMAST				
16. UP-Min				
17. USeP				

Daghang
Salamat!

