

**October-December 2023** 

# CONSORTIUM DIRECTOR'S REPORT

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# R&D MANAGEMENT AND COORDINATION

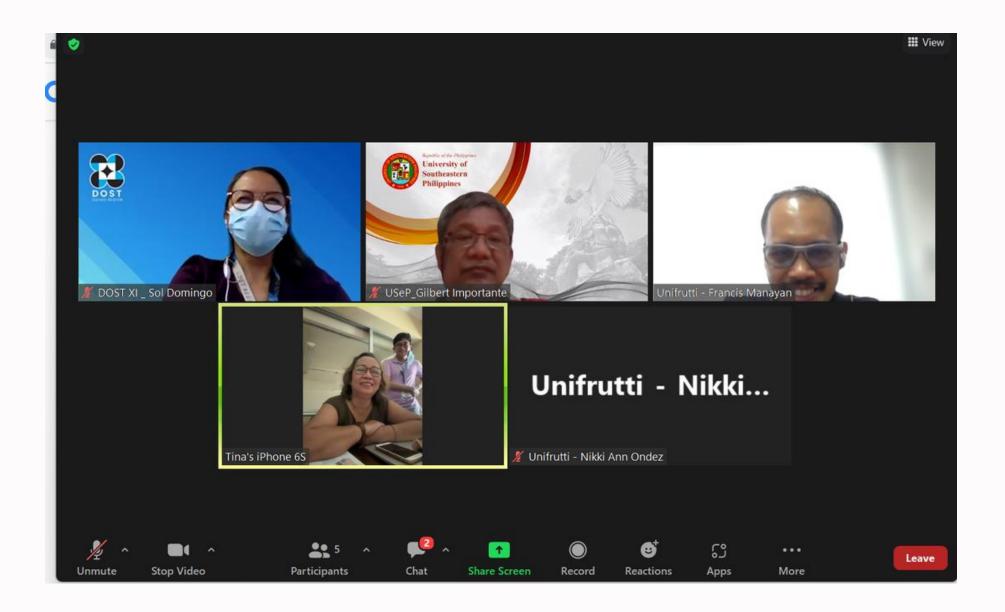
# **Exploratory Meetings organized by DOST XI**

With Unifrutti Phils on Waste Utilization

> Held on October 4, 2023 via zoom

On Genetic Biodiversity Conservation with international mycology experts

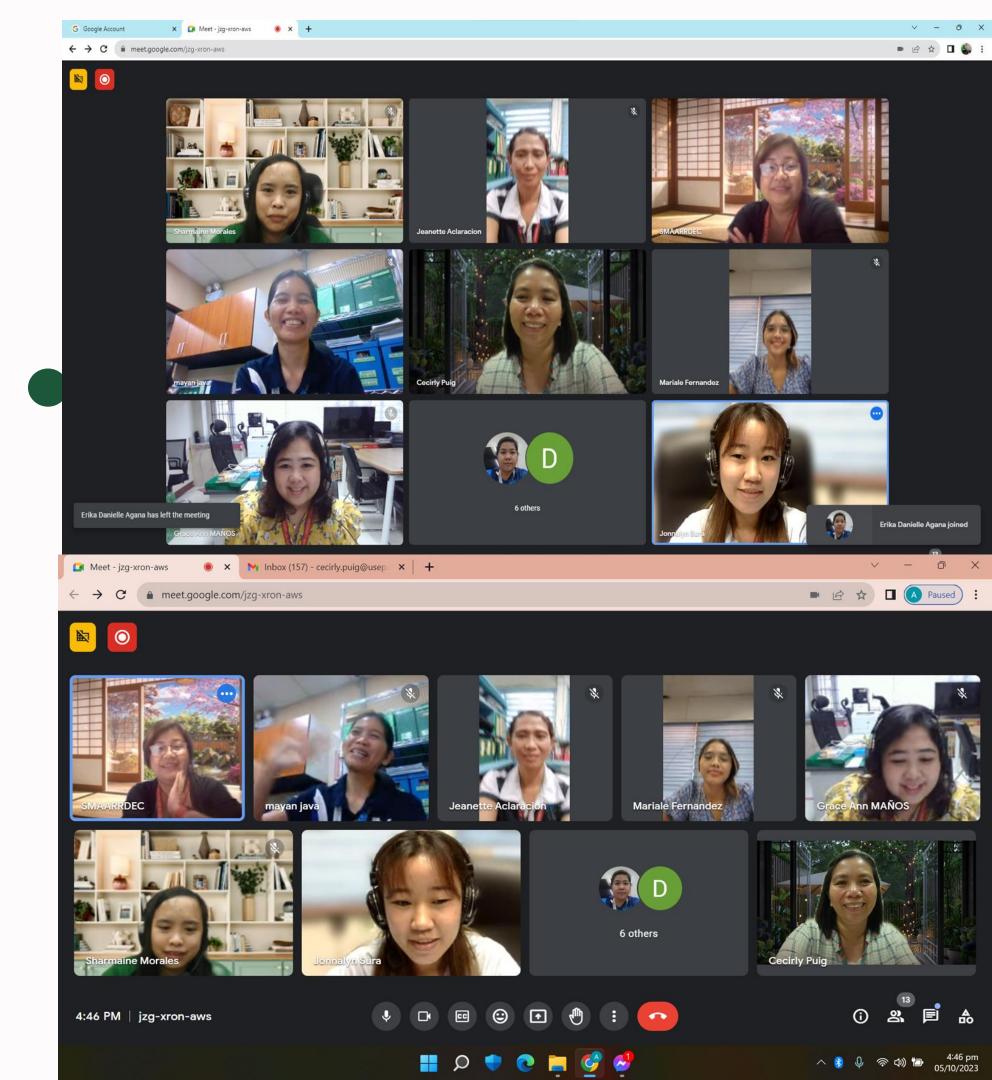
> Held on October 20, 2023 via zoom



Both meetings were represented by CD Importante

# Coordination Meeting for the 2023 RSTW and NSTW Celebration

- Conducted on October 5, 2023 via zoom
- Organized by DOST and attended by the SMAARRDEC secretariat and other DOST XI consortia representatives
- Discussion on the following:
  - > details of the 2 exhibits
  - > SMAARRDEC sponsorship on the Technology Forum during the RSTW
  - > Invitation of experts :
    - \* Ms. Marilou Infante (DA-RFO XI) Fusarium Management
    - \* Dr. Juan Agudera (DSSC) Liquid Trichoderma
    - \* Engr. Ryan Abenoja (USeP) Coco Climber Device



## COU Meeting with Consortia Secretariat

- Conducted on October 17, 2023 via zoom
- Organized by DOST-PCAARRD and attended by the SMAARRDEC secretariat and other consortia

### 116th RRDCC Meeting

- Conducted on October 23, 2023 at Panorama Summit Hotel, Tigatto Rd, Davao City
- Attended by heads and representatives of CMIs and the secretariat

#### Also highlighted:

- ➤ Acceptance of new members PLGU Davao de Oro, MONCAST, STCAST and UM
- Ceremonial Signing of Memorandum of Commitment
- ➤ Turn-over of chairmanship from Dr. Generalao to DOST XI Dir. Athony C. Sales represented by ARD Sol Domingo



# Joint Director Council and RRDCC Chairpersons Meeting cum PCAARRD Anniversary Celebration

- Conducted on November 9-10, 2023 at Los Banos, Laguna
- Attended by CD Importante and ICT Cluster Coordinator De Leon
- Highlights were:
  - > approval of the renewal of ERCP year 2 implementation
  - > recognition of the retired and new RRDCC Chair and CDs nationwide



# Participation to the Lights of Lourdes

- Conducted on November 10, 2023 at the USe
   UGCC
- Attended by the consortium secretariat
- Recognition of PCAARRD and SMAARRDEC for the support extended to the 2-term presidency of Dr. Generalao were received by the RRDCC members/SUC Presidents and the former Consortium Director Bayacag



# Committee Hearing with Davao City Councilor Abella

- For the engagement/renewal of commitment of LGU-Davao City with SMAARRDEC
- Conducted on November 9, 2023 at the office of Davao City Councilor Marissa Abella
- Attended Tech Transfer Coor Evelyn Gecale





# Consultation Meeting for the Establishment of Halal Industry Research Training Center at DNSC

- Conducted on November 29, 2023 at DNSC, Panabo, Davao del Norte
- Attended by CD Importante
- Graced by DNSC international partners from the Asian countries
- The Research Center is expected to be established in 2024





## PRDP Stakeholders Consultation

- Conducted on December 13, 2023 at the World Palace Business Center
- Attended by TTC Coor Evelyn Gecale
- Highlights were the presentation of VCAs conducted and the prioritization of commodities to subjected.
- Reported that DORSU implemented the research on Vannamei Shrimp funded by PRDP





#### Strategic Planning-Workshop

- Conducted on December 19-20, 2023 at the USeP Sociall Hall
- Facilitated by CD Importante and Dr. Daisy Besing of USeP
- Attended by CMI selected representatives
- Highlights were:
  - > Inputs of Laurence John Gido of NEDA XI on RDRA
  - > talk of DOST\_PCAARRD RRDCC Rep D. Dang Decena on National Harmonize R&D Agenda in AANR
  - > Input of DepExecDir-ARMSS Dr Melvin Carlos on the direction of PCAARRD consortia
  - > Brainstorming and writeshop







## )ther Meetings



Attended by SMAARRDEC

Director, Dr. Gilbert A.

Importante

3rd Quarter RRDIC Meeting at NEDA XI Office

• Held on December 1, 2023

3rd Quarter EDC Meeting via Zoom

• Held on December 7, 2023

# KNOWLEDGE MANAGEMENT AND TECHNOLOGY GENERATION

### ONGOING PROJECTS

AGENCY	TOTAL NUMBER OF RESEARCHES	PROJECT COST
BFAR XI	1	6,020,645.50
BPI-DNCRDPSC	9	7,112,748
DA-RFO XI	6	22,854,312
DNSC	10	525,975
DORSU	23	30,105,525.18
DSSC	18	35,918,423
DDOSC	10	1,295,663.81
DENR-ERDB-ARDEC	6	5,181,036.65

### ONGOING PROJECTS

AGENCY	TOTAL NUMBER OF RESEARCHES	PROJECT COST
KCAST	1	6,762,828
PHIL-FIDA XI	-	22,854,312
PHIL SCI HS	10	-
PLGU-DAVNOR	23	-
PCA-DRC	17	2,5821,000.00
SPAMAST	31	42,884,727.00
UPMIN	15	170,594,228.52
USeP	19	69,000,000.00

Program/ Project Title	Proponent/ Agency	Budget	Duration	Funding Source	Status/Remarks
Halal Transparent Traceability System with Autonomous IoT Support for Halal and Tayeb Cacao Products (HATTSv2)	Engr. Filmann Simpao USeP	PhP10,435,324.00	2 years ( will start on Oct 15, 2023)	DOST	MoA on process
Development of Smart Postharvest Processing Facility for Cacao Beans at Biao Agrarian Reform Beneficiaries Cooperative	Engr. Honeybee Limbaro USeP	PhP 3,305,898.00	2 years	DOST-GIA	MoA on process
Enhancement of Agricultural Fishery Machinery Testing Center (AFTMC) at USeP Tagum-Mabini Campus, Tagum Unit	Dr. Roger C. Montepio USeP	P7,547,000.00	2 years	DA-BAR	Awaiting for formal communication from BAR

Program/ Project Title	Proponent/ Agency	Budget	Duration	Funding Source	Status/Remarks
"Impact Assessment of the Project on Development of Sustainable Breeder Philippine Mallard Duck (PMD) Production System"	Dr. Ruperto De Luna USeP	PhP 4,997,078.52	2 years	DOST- PCAARRD	MoA on process
"Remediation Strategies using Phytostabilization species and organic filter media in Mercury Contaminated agricultural areas in Mt. Diwata, Davao del Oro Province"	DENR-ERDB- ARDEC	PhP 400,000.00/year	Jan 2023- Dec 2025	DENR	Ongoing process
Field verification on the Efficacy of Liquid Beauveria bassiana (LBb) on major insect pests of rice in Davao del Sur	Juan P. Agudera, Jr. DSSC	PhP 75, 000	August 2023- August 2024	DSSC	

Program/ Project Title	Proponent/ Agency	Budget	Duration	Funding Source	Status/Remarks
Mango Tayo! Uplifting Davao del Sur mango Industry:  Mango Mo: Development of Mango Production Management Albased Mobile Application	DSSC	PhP 50,000.00	August 2023- August 2024	DSSC	
Characterization of Suspected Ferrasol (Oxisol) in Balutakay Bansalan, Davao del Sur	DSSC	PhP 100,000.00	August 2023- August 2024	DSSC	
Solution Focused Brief Therapy on Depression, Anxiety, and Stress of at-risk College Students: Psychoeducation Approach	DSSC	PhP 75, 000.00	August 2023- August 2024	DSSC	

Program/ Project Title	Proponent/ Agency	Budget	Duration	Funding Source	Status/Remarks
Challenges Faced by Indigenous Women in Gender Equality: An Analyis of Lived Experiences	DSSC	PhP 100,000.00	August 2023- August 2024	DSSC	
Mango Tayo: An Extension Project	DSSC	PhP 50,000.00	August 2023- August 2024	DSSC	
Project SLOPE: Sustainable Land use On Preserving the Environment	DSSC	PhP 100,000.00	August 2023- August 2024	DSSC	

Program/ Project Title	Proponent/ Agency	Budget	Duration	Funding Source	Status/Remarks
READ-Y SET GO! (Reading for the Young, Socio-Economic Trainings and Greener Outcomes)	DSSC	PhP100,000	August 2023- August 2024	DSSC	
Upscalling Fisheries Productivity in Upland Communities of Davao Occidental through Community Participatory Action Research for Aquaculture-based Communities	SPAMAST	PhP 5,700,000.00	2 years	SPAMAST GAA	

## R&D RESULTS UTILIZATION

Inception meeting of LIFE 2 Program

Conducted on October 13, 2023 at UPMindanao,
 Bago Oshiro Davao City

 Participated by PCARRD, UPMin and USeP team implementers with the Consortium Secretariat together with LIFE 1- collaborators from

Zamboanga and Cotabato





# PAG-UGMAD 2023: Regional Agri-Aqua Technology Business Incubation Bootcamp and Pitching Competition

- Held on November 17, 2023 at the Ritz Hotel, Davao City
- Attended by the 10 RAISE-UGMARA implementers
- 12 technologies were pitched to target local investors/business people



# Mindanao Symposium on Food System

- Held on November 16, 2023 at Acacia Hotel, Davao City
- Participated by the faculty-researchers across Mindanao and the Visayas
- Organized by UPMin and VSU
- Attended by CD Gilbert A. Importante







Regional Science and Technology
Week 2023

- Held on November 9-10, 2023 at City Hall Atrium, Tagum City
- Participated by SMAARRDEC Secretariat as Exhibitors
- Showcased technologies from SMAARRDEC CMIs: ROSANNA, HATTS, Coco Climber, Biotrichof and Pisolar





Regional Science and Techonology

#### **Technology Forum**

- Sponsored by SMAARRDEC
- The following regional experts presented their respective technologies:
  - > Ms. Marilou Infante (DA-RFO XI) Fusarium Management
  - > Dr. Juan Agudera (DSSC) Liquid Trichoderma
  - > Engr. Ryan Abenoja (USeP) Coco Climber Device
- Participated by Davao del Norte Farmers





## National Cacao Congress 2023

- Held on November 16-17 2023 at SMX Convention Center
- Attended by selected faculty researchers of the consortium member institutions





# National Science and Techology Week 2023

- Held on November 22-26, 2023 at Iloilo Convention Center, Iloilo City
- Participated by SMAARRDEC
   Secretariat as Exhibitors
- Showcased technologies from SMAARRDEC CMIs: ROSANNA & Coco Climber





#### Student Research Conference 2023

With the theme: "Exploring AANR Innovations for Industry Problem Solutions"

- Held on December 1, 2023 at USeP Social Hall
- Competition of the following:
  - > 11 Agriculture Category
  - > 8 Aquatic and Natural Resources
  - > 4 Policy brief
  - > 8 Posters
- Highlights were the talk about Regenerative Agriculture Development by DORSU President Roy G. Ponce and DOST-PCAARRD R&D Opportunities by IDD Director Fezoil Luz C. Decena



### — Student Research Conference 2023

Panel of Evaluators

#### Agriculture and Policy Brief

- Dr. Lorna Herradura
- Dr. Fezoil Luz Decena
- Ms. Jofreylle Plasabas

#### Aquatic and Policy Brief

- Dr. Della Grace Bacaltos
- Dr. Purisima G. Bayacag
- Engr. Kenneth Brayl Mendoza

#### Poster entries

- Ms. Grace P. Moralde
- Mr. Robert Satorre
- Engr. Rey M. De Leon

#### Jar Painting

- Dr. Gilbert A. Importante
- Ms. Grace P. Moralde
- Engr. Rey M. De Leon









#### Student Research Conference 2023

## Jar Painting Competition

- 9 competing entries from different SUCs
- 1st SPAMAST
   2nd STCAST
   3rd DDOSC





## Student Research Conference 2023 Winners

Rank	Title	Institution	Author/s
1	Android Base Diamante Max Tomato Maturity Stages Classification using the VGG-16 Model	DSSC	Aubrey Estigoy
2	Cacao Cutting Chronicles: Rooting For Success with Growth Hormones and Cutting-Pattern Strategies	UP Min	Trisha Mae L. Jaspe, Emma Ruth V. Bayogan, Junaldo A. Mantiquilla, Cyrose Suzie Silvosa-Millado
3	Effect of Exogenous Ethylene on the Ripening Synchronization and Cup Quality Of 'Robusta' Coffee(Coffea Canephora)	USeP	Karen Joy Suico

Rank	Title	Institution	Author/s
1	Comparative Analysis of Ectoparasite Diversity In Harpyionycteris whiteheadi Lawrence, 1939 (Harpy Fruit Bat) and Haplonycteris fischeri Thomas, 1898 (Philippine Pygmy Fruit Bat) in Mount Apo Geothermal Project, Mount Apo Natural Park, Kidapawan, North Cotabato, Philippines	DORSU	Keanu V. Sitjar *, Analou D. Dedal, PhD
2	Watershed-Based Flood Risk Analysis for Matina: Implication for Multilevel Adaptive Capacity	UM	Jezreel Ira H. Barquin* & Eljun Jess M. Dumadag
3	Growth Performance and Survival of Siamese Fighting Fish (Betta splendens) fed with Daphnia (Daphnia sp.) and Azolla (Azolla pinhala) at different ratio	SPAMAST	Christy Ann Cabigas and Stephen Dave Latawan

## Student Research Conference 2023 Winners

Rank	ling Category Title	Institution	Author/s
1		DNSC	Quirino M. Bero, Junilyn
	Sustainable Fisheries Management and Livelihood Enhancement in Barangay San Roque, Maco, Davao De Oro		Relatado-Palope
2	Determination of Heavy Metals of Syringodium sp. in the Selected Coastal Barangays of Sta. Maria, Davao Occidental	SPAMAST	Anthony O. Caliwang
3	Factors Affecting the Adoption of Climate-Smart Agriculture among the Smallholder Coconut Farmers in Paquibato District, Davao City/	USeP	Ele Mae Saplad and Christopher D. Balubayan

**Poster Category** 

Rank	Title	Institution	Author/s
1	Beneficial Arthropod Populations Associated with Mixed Refuge Flowering Plants Under Rice-Fish Culture System	USeP	Emailyn B. Baoy
2	Android Base Diamante Max Tomato Maturity Stages Classification using the VGG-16 Model	DSSC	Aubrey B. Estigoy
3	Assessment of Macro-infauna in the Pitcher Traps of Nepenthes copelandii and the Local Perception of Pitcher Plants in Mount Apo Geothermal Powerplant	DORSU	Leila Shania M. Loon*, Keanu V. Sitjar, Ricksterlie C. Verzosa

Jar Painting			
Rank	Agency	Institution	Author/s
1	Southern Philippines Agri-Business and Marine and Aquatic School of Technology		Gene Patrish C. Cabalquinto
2	Santo Tomas College of Agriculture, Sciences and Technology (STCAST)		Carl Benedict D. Pamposa
3	Davao de Oro State College		Adrian C. Jaurige

## CAPABILITY BUILDING

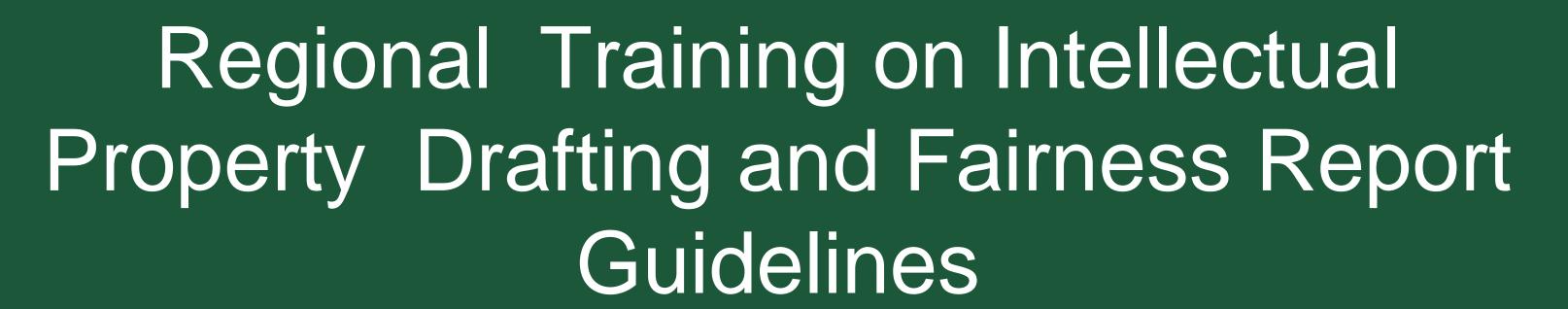
# Bridging Extension Services of Technical Services: UPLB Biotech to SUCs





- Held on November 6-7,2023 at CIC-AVR, USeP, Davao City
- Facilitated by UPLB
   Biotech head Dr. Lorele
   Trinidad and team
- Participated by 150
   (F2F and online)
   students and faculty researchers from
   different CMIs







- Held on November 14-16, 2023 at Santo Tomas, Davao del Norte
- Hosted by Kapalong College of Agriculture, Science and Technology (KCAST) and participated by RAISE-UGMARA implementers
- Highlights were presentation of Engr. Filmann T. Simpao on patent drafting and DOST-FOB Ms. Donna Rose Ching on Fairness Opinion Report



## National Research Management Training



Held on
 December 5-7,
 2023 at
 Dumaguete City

 Organized by PHILARM

 Hosted by NORSU and SSC

 Attended by TTC Coor Gecale and Falcata team members



# POLICY ADVOCACY & GOVERNANCE

# Policy Brief generated and presented during the Student Research Conference

- ❖GIS-Based Identification of Sugarcane Production Areas and Agricultural Infrastructures and Facilities Potentially Affected by Different Hazards in The Municipality of Sulop, Davao Del Sur /DSSC/ Lorybe I. Laparan
- ❖ Determination of Heavy Metals of Syringodium sp. in the Selected Coastal Barangays of Sta. Maria, Davao Occidental /SPAMAST/ Anthony O. Caliwang Jr.
- ❖ Factors Affecting the Adoption of Climate-Smart Agriculture among the Smallholder Coconut Farmers in Paquibato District, Davao City/ USeP/ **Ele Mae Saplad** and Christopher D. Balubayan
- ❖Sustainable Fisheries Management and Livelihood Enhancement in Barangay San Roque, Maco, Davao De Oro/DNSC/, Quirino M. Bero, Junilyn Relatado-Palope

## Financial Status

#### SUMMARY Consortium Operations 2023 As of January 17, 2024

Total Released (2023) 1,696,808.00

` '							
		Reprogrammed	Reprogrammed				
	LIB	budget as of June	budget as of Sept.				
		20, 2023	21, 2023	Disbursed	Payables	Unexpended	Utilization
Salary	293,784.00	304,260.00	304,260.00	293,284.88	1	10,975.12	96.39
Honorarium	393,600.00	393,600.00	393,600.00	295,200.00	98,400.00	-	100.00
Travel	99,000.00	99,000.00	99,000.00	99,000.00	-	-	100.00
Communication	100,800.00	73,546.10	68,243.10	49,191.21	-	19,051.89	72.08
Repairs and Maintenance	18,000.00	-	-	_		-	0.00
Supplies	40,000.00	40,000.00	39,834.25	39,834.25	1	-	100.00
Printing	30,000.00	30,000.00	4,294.00	4,294.00	ı	-	100.00
Rent Expense	31,000.00	31,000.00	18,800.00	18,800.00	-	-	100.00
Representation	120,000.00	269,978.90	284,353.65	284,353.65	1	0.00	100.00
Other Professional Services	375,624.00	375,624.00	404,624.00	325,235.63	79,388.37	-	100.00
Subscription Expenses	10,000.00	4,799.00	4,799.00	4,799.00	-	-	100.00
Indirect Cost_Utilities	60,000.00	_	-		1	_	0.00
Indirect Cost_Supplies and							
Materials Exp.	40,000.00	-	-	-	-	-	0.00
Indirect							
Cost_Communication Exp.	10,000.00	-	-	-	-	-	0.00
Equipment Outlay	75,000.00	75,000.00	75,000.00	74,450.00	_	550.00	99.27
Total	1,696,808.00	1,696,808.00	1,696,808.00	1,488,442.62	177,788.37	30,577.01	98.20



#### SUMMARY As of December 31, 2023

USeP Support to Consortium Operation

Fund Bal. (SY 2022) (52,466.48)

Pending Relase for SY 500,000.00 (4th Quarter 2022 & 1st Quarter 2023)

TOTAL 447,533.52

Items	2023	Total	Disbursed	Payables	Balance
Salary	76,065.00	76,065.00	76,065.00	_	_
Other Professional	158,600.00	158,600.00	136,563.58	_	22,036.42
Representation	212,868.52	212,868.52	191,527.00	-	21,341.52
Total	447,533.52	447,533.52	404,155.58	-	43,377.94



SUMMARY As of January 17, 2024 Genaral FUND 2023

#### Budget

Check No.

Date

Items	2022	INCOME	TOTAL	DISBURSED	PAYABLES	BALANCE
Contribution	809,640.57	275,000.00	1,084,640.57	606,950.57	14,665.09	463,024.91
Interest	254,027.73		254,027.73	-	-	254,027.73
Registration	127,032.30		127,032.30	2,000.00	-	125,032.30
Awards	208,843.87		208,843.87	99,500.00	-	109,343.87
Total	1,399,544.47	275,000.00	1,674,544.47	708,450.57	14,665.09	951,428.81

# Update on CMIs Annual Contribution

	Year Contributed					
AGENCIES	2021	2022	2023			
BFAR XI						
BPI-DNCRDPSC						
DA-RFO XI						
DDOSC						
DENR-ERDB-ARDEC						
DNSC						
DORSU						
DOST XI						
DSSC						
KCAST						
PCA-DRC						
PhilFIDA XI						
PLGU-DavNor						
PLGU-DavSur						
PRRI						
SPAMAST						
UPMin						
USe P	USeP's 500K yearly support to consortium operation					
ATI XI	Yearly support to the conduct of RSRDEH/Farmers and Fisherfolks Forum					

## THANK YOU



#### **SMAARRDEC**

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