



Republic of the Philippines
Department of Agriculture
Bureau of Fisheries and Aquatic Resources IV-A
Fisheries Management Area 12 Management Board
Purok 3, Barangay Bambang, Los Baños, Laguna



1 **MINUTES OF THE 4th QUARTER MEETING OF THE MANAGEMENT BOARD (MB) OF**
2 **FISHERIES MANAGEMENT AREA (FMA) 12**

3 Date : December 14, 2023

4 Time : 9:15 A.M.

5 Location: BFAR 4A Regional Office, Los Baños, Laguna (blended manner)

6 MB Members Present:

Sectoral-

Representatives : Municipal Fishing Sector - **Rodrigo A. De Jesus**

Commercial Fishing Sector - **Melanie P. Catapang**

Academe - **Dr. Yasmin H. Primavera-Tirol** (virtual)

NGO - **Rosalie G. Recaro** (virtual)

Pacifico D. Beldia II (alternate) (virtual)

IFARMC - **Wilfredo A. Hernandez** (Balayan Bay)

PAMB - **Dir. Nilo B. Tamoria, CESO III; represented**
by Abigail Calibuso (virtual)

PNP-Maritime Group - **PCPT ROMEO L. OGASNA JR.** (virtual)

Philippine Coast Guard - **CG COMMO Geronimo B. Tuvilla;**
represented by CG LT Precious Lonie Z
Omalsa (virtual)

DILG - **Engr. Michael Casto A. Ras, II** (virtual)

PFDA **Custodio L. Balaoing, represented by Jr.**
Engr. Jan Michael Rafael (virtual)

Region MIMAROPA **Brenda Samadan** (virtual)

Region VI - **Alvin D. Beltran** (virtual)

7

8 Absent: BFAR Region 4A - **Sammy A. Malvas**

9 Local Chief Executive - **Hon. Matt Erwin V. Florido**

10 Aquaculture Sector - **Atty. Immanuel L. Sodusta**

11 Marketing/Processor - **Dyna V. Bonites**

12 Indigenous People - **Oliver S. Tamboon**



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- 13 IFARMC - Eddy P. De Mesa
14 Region V - RD Ariel U. Pioquinto
15

16 **FMA 12 Secretariat (BFAR Region 4A)**

- 17 1. Allan U. Castillo, Head Secretariat
18 2. Edmundo M. Amican, III, OIC - FRMS/ FMA Coordinator
19 3. Gemaica C. Moloboco, FMA Secretariat
20 4. Jesreel M. Narido, FMA Secretariat
21

22 **BFAR Region 4A**

- 23 1. Dr. Maribeth H. Ramos, Outgoing SAG Chair
24 2. Wilfredo O. Fajardo Jr., OIC-Chief, ERMCSOC
25 3. Trazarah Hanoof E. Argarin, NSAP4A
26 4. Edmark A. Serrano, NSAP4A
27 5. Trina Mae B. Amparo, NSAP4A
28

29 **Other Participants:**

- 30 • Danny Ocampo – Oceana Philippines
31 • Dr. Augustus Rex F. Montebon, SAG Chairperson
32 • Dr. Maria Eleanor B. Aurellado, SAG Vice Chairperson
33 • Marilyn Alcanices, PAgO_Oriental Mindoro (virtual)
34 • Nerissa D. Cuna, PAgO_Oriental Mindoro (virtual)
35 • Rochelle Amboya, PLGU Batangas (virtual)
36 • Sherilyn Barot, PLGU Batangas (virtual)
37

38 **Agenda:**

- 39 1. Endorsement of PCPT Romeo L. Ogasna Jr. – Chief Operation, Regional
40 Maritime Unit, PNP-Maritime Group Representative as FMA Management Board
41 Member Updates of FMA 12 SAG
42 2. Endorsements of Dr. Augustus Rex F. Montebon as Chairperson and Dr. Maria
43 Eleanor B. Aurellado as Vice Chairperson of FMA 12 Science Advisory group
44 3. Presentation of SAG Resolution No. 2 for the management of *Selar*
45 *crumenophthalmus*, *Auxis rochei*, and *Decapterus tabl* in Tayabas Bay and SAG



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- Resolution No. 3 for the management of *Sardinella lemuru* in
Calatagan/Balayan Bay and Batangas Bay
4. MB Deliberation and Adoption
 5. Orientation of The Philippine IUU Fishing Index and Threat Assessment Tool
for Monitoring and Evaluation in FMA 12
 6. Other matters – Status and Updates on Resolution no. 13 as presented during
last MB Meeting.

The 4th quarter meeting of FMA 12 MB was conducted in a blended manner on
December 14, 2023, starting at 9:30 A.M. The session began with an Audio-Visual
Presentation (AVP) of the prayer, followed by the rendition of the Philippine National
Anthem and the BFAR hymn. Gemaica C. Moloboco, FMA 12 Member-Secretariat, called
the roll, and with the majority of the members present, a quorum was declared.

In the absence of the Chair, Mr. Edmundo M. Amican III, FMA 12 Coordinator,
highlighted that, in accordance with the Internal Rules of Procedure (IRP), the board must
determine the presiding officer through a voting process. Consequently, the IFARMC
Chair for Balayan Bay, Wilfredo A. Hernandez, nominated Ms. Melanie Catapang, the
commercial fishing sector representative, to preside over the meeting. Mr. Rodrigo De
Jesus, the municipal fishing sector representative, seconded the nomination. Without
further objection, it was decided that Ms. Catapang would preside over the meeting.

The meeting moved to the approval of the calendar of business and agenda. After
Mr. Amican presented the Calendar of Business and Agenda, the Chair sought comments
from the board. Dr. Maribeth H. Ramos, the outgoing FMA 12 Science Advisory Group
(SAG) Chairperson, inquired about the status or updates regarding the FMA 12
Resolution no. 13, titled "urging DILG and BFAR to conduct the BGI." It was unanimously
agreed that updates on FMA 12 Resolution no. 13 would be addressed under other
matters. With no further comments or suggestions, the meeting moved on to the reading
and approval of the previous minutes.



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Following Ms. Moloboco's reading of the previous minutes, Mr. Hernandez proposed the approval of the minutes, duly seconded by Mr. De Jesus. The meeting then transitioned to the business arising from the minutes of the previous meeting. The Chair inquired with the secretariat if there were any issues arising from the minutes, and Mr. Amican mentioned that there was an agreement to include an additional lecture on IFIT in the current meeting. With no further comments, the meeting proceeded to agenda item number 1.

Agenda 1: Endorsement of PCPT Romeo L. Ogasna Jr. – Chief Operation, Regional Maritime Unit, PNP-Maritime Group Representative as FMA Management Board Member Updates of FMA 12 SAG

In acknowledgment of the recent retirement of PCPT Edwin Cabalag, Mr. Amican formally introduced and extended a warm welcome to PCPT Romeo L. Ogasna Jr., the newly appointed representative of the PNP-MG for the FMA 12 Management Board. PCPT Ogasna expressed gratitude for the warm welcome, introduced himself, and affirmed his commitment to contributing to FMA 12. Afterwards, the meeting moved to agenda number 2.

Agenda 2: Endorsements of Dr. Augustus Rex F. Montebon as Chairperson and Dr. Maria Eleanor B. Aurellado as Vice Chairperson of FMA 12 Science Advisory group

To formally endorse Dr. Montebon and Dr. Aurellado, Dr. Ramos presented the following paragraphs: "The Scientific Advisory Group (SAG) for Fisheries Management Area 12 (FMA 12) convened its 3rd Quarterly Meeting on September 20, 2023, via Google Meet. Among the agenda items was the selection of the new SAG Chairperson and Vice-Chairperson. Dr. Augustus Rex F. Montebon of Conservation International was elected as the new Chairperson, and Dr. Maria Eleanor B. Aurellado of the Institute of Biological Science, UP-Los Baños, was elected as the Vice-Chairperson.



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In light of the above, we are endorsing the aforementioned individuals to the Management Board of FMA 12. The SAG will undergo a formal turnover of responsibilities and conduct an oath-taking ceremony during the 1st Quarter Meeting in 2024, accompanied by the issuance of certificates to the newly elected Chair and Vice-Chair."

Following this endorsement, the Chair invited short messages from Dr. Montebon and Dr. Aurellado. Dr. Montebon expressed greetings to everyone and thanked Dr. Ramos for her message. He conveyed his commitment to emulating the achievements of Dr. Ramos during her tenure as the SAG Chair of FMA 12. Similarly, Dr. Aurellado pledged to contribute her best to discussions that would benefit the Fisheries Sector.

The Chair concluded Agenda number 2 by extending a warm welcome to the newly elected SAG Chair and Vice-Chair and then proceeded to Agenda number 3.

Agenda 3: Presentation of SAG Resolution No. 2 for the management of *Selar crumenophthalmus*, *Auxis rochei*, and *Decapterus tabl* in Tayabas Bay and SAG Resolution No. 3 for the management of *Sardinella lemuru* in Calatagan/Balayan Bay and Batangas Bay

Before proceeding with the endorsement of SAG Resolution numbers 2 and 3, Dr. Ramos assured Dr. Montebon and Dr. Aurellado that she would continue working with them on FMA 12 SAG's initiatives. Additionally, the outgoing SAG Chair requested the Secretariat to provide the status of SAG Resolution No. 1 or the initiatives of the Technical Working Group regarding Resolution No. 1 of SAG.

To present Resolution Number 2, Mr. Edmark Serrano of the NSAP4A read the signed "SAG Resolution No. 2 for the management of *Selar crumenophthalmus*, *Auxis rochei*, and *Decapterus tabl* in Tayabas Bay, and SAG Resolution No. 3 for the management of *Sardinella lemuru* in Calatagan/Balayan Bay and Batangas Bay." He also read the attached Annex II-A Summary of Results for *Selar crumenophthalmus* Caught by Purse Seines in Tayabas Bay-Quezon Side C.Y. 2015-2022, where five out of the 6 reference



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points breached the Limit Reference Points (LRP). The reference points include Percent Mature, Percent within Length Optimum Range, Percent Megaspawners, Fishing Mortality, and Exploitation Value, all breaching the LRP. He also read Annex II-B Summary of Results for *Decapterus tabl* Caught by Purse Seine in Tayabas Bay-Quezon Side C.Y. 2015-2022, which also indicated breaches in the same reference points. In Annex II-C, Mr. Serrano mentioned insufficient length frequency data to assess the performance indicators. However, when observing the data, particularly on the CPUE for the species, CPUE is declining. He emphasized that declining CPUE often indicates that the fish population may not be able to sustain the current harvesting rate, while increases in CPUE signify recovery in the fish stock, allowing for higher fishing effort. Mr. Serrano then proceeded to read the section on the recommended HCRs, HCMs, and recommended management actions in the SAG resolution.

The Chair asked for comments regarding the read document, Resolution No. 2. Dr. Yasmin H Primavera-Tirol, the representative for the academe sector, suggested that the Technical Working Group (TWG) take the lead in executing the recommendations of the Science Advisory Group (SAG) in coordination with other agencies and stakeholders, instead of forming a multi-agency task force to evaluate the recommended actions of the SAG. Dr. Tirol argued that the analyses and evaluation conducted by the SAG should suffice, and introducing an additional step and a separate body for evaluation may further delay the implementation of the Harvest Control Rules (HCRs) and Harvest Control Measures (HCMs), which require urgent implementation.

Secondly, Dr. Tirol suggested conveying to the NFRDI, BFAR, and DOST-PCARRD that there may be funding available for the needed studies or research. She also recommended specifying the size limits in words and inquired about the determination of length at maturity, as it is a clearer indicator for the size limit.

Dr. Ramos responded that the initiative of writing to the NFRDI, BFAR, and DOST for the conduct of research and studies should come from the FMA 12 Management Board. Regarding size limits and the determination of length at maturity, Dr. Ramos mentioned that the information can be found in the attached annexes.



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Mr. Amican reiterated Dr. Tirol's suggestion that the TWG should initiate the execution of the recommendations of the SAG in coordination with other agencies and stakeholders, instead of creating a multi-agency task force to evaluate the recommended actions of the SAG. The Chair, agreeing with the suggestion of Dr. Tirol, clarified that the same TWG will be in charge of evaluating the SAG-specific management actions, meaning there will be no creation of a multi-agency task force.

Dr. Tirol also sought clarification on the length at first maturity. In Annex II-A, Dr. Ramos and Dr. Montebon explained that the row indicating Average Length refers to the average length recorded relative to the length at first maturity, addressing Dr. Tirol's inquiry about the determined length at maturity.

The Chair commented on the recommended action "Reduce the number of fishing trips," suggesting that in the sea, there are times when, due to bad weather, these reductions should be considered. Dr. Ramos explained that the basis for policies on the reduction of fishing trips and reduction of efforts will be based on the Boat and Gear Inventory to be conducted by the LGUs and BFAR.

The meeting proceeded with Ms. Argarin reading Resolution No. 3. After reading the resolution, the Chair sought comments from the board. Mr. Pacifico D. Beldia II, the alternate representative for the NGO Sector, requested sharing available maps of policy coverage for Tayabas, Balayan, and Batangas Bays and asked if it is possible to use existing studies on Dulong to craft an FMA 12-wide policy. Dr. Ramos responded that they have available maps, such as a grid map validated by enumerators with the operators, and agreed to send the grid maps through email.

Regarding *Dulong*, Dr. Ramos explained that samples are obtained from landed fish, validated by NFRDI. She mentioned a study conducted by Conservation International entitled "Hindi lahat ng 'dulong' ay Dulong..." The Chair asked if the study could be used as a basis. Dr. Ramos responded that it cannot be applied to the entire FMA due to differing situations in Tayabas Bay, Balayan, Calatagan, and Batangas Bay, particularly noting that Tayabas Bay lacks a seasonal closure.

Mr. Wilfredo Hernandez raised that only Calatagan, Batangas, has an ordinance for seasonal closure, noting that fishermen from Calatagan cease fishing, while those from



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neighboring municipalities continue. Mr. Hernandez also mentioned that Bantay Dagat refrains from patrolling due to potential complaints being overturned against them, seeking clarification on the matter. Ms. Catapang explained that the province does not have the authority to enforce a provincial-wide seasonal closure through a provincial ordinance. The responsibility lies with the LGU to implement the Bay-Wide Seasonal Closure. She illustrated this with the example of Balayan, Batangas, where the seasonal closure is not enforced due to the absence of an ordinance, but the adherence to National law is strictly followed.

Mr. Wilfredo Hernandez sought clarification regarding the presented 2015-2022 commercial production data of *S. lemu*. Dr. Ramos responded that the data originated from production data monitored by NSAP, with enumerators assigned to Fish Landing Centers. The information gathered serves as the basis for the provided commercial production data. Mr. Hernandez commented that there are times when enumerators may not be stationed in the port of Calatagan, and thus there might be other data not captured in areas where fish are landed. He added that, in Calatagan, most of the fish landed comes from other areas, probably not caught in Calatagan, Balayan, and Batangas Bay, citing that the fish is probably from the West Philippine Sea. He said that the data in consideration should be the fish data caught in the area that they will be managing. Dr. Ramos replied that enumerators are tasked with validating the location where the fish is caught and identifying fishing vessels/boats that operate in specific fishing grounds, such as in Calatagan Bay. Drawing examples from a major fish landing center in Lucena, Quezon, Dr. Ramos mentioned that enumerators validate data with the operators of fishing vessels. Additionally, Dr. Ramos stated that if there are any available data on Calatagan that may be provided or shared, the data can be validated.

Dr. Tirol acknowledged Mr. Beldia's suggestion to formulate a comprehensive FMA-12-wide policy for Dulong fisheries. Mr. De Jesus provided insights on Dulong. Following the recent discussion, Mr. Amican emphasized that the existing studies on Dulong cannot adequately represent the entire FMA 12 for the development of its FMA-12-wide policy for Dulong fisheries. Agreeing with Dr. Ramos's recommendation, the



Chair stated that the topic of Dulong should undergo a comprehensive review and study led by the FMA 12 MB, with support from the FMA 12 TWG.

Dr. Tirol also requested to send the documents related to Dulong for the review of the management board. Dr. Ramos clarified that they don't have a study on Dulong; what they did is enumerators bought landed Dulong in Calatagan, Lemery, Lobo for sampling to be analyzed morphologically and get length frequency data. Dr. Ramos said that they verified the declared Dulong caught by fishers that what is caught is not just Dulong but are juvenile. Dr. Ramos mentioned that Dr. Montebon of Conservation International (CI) Philippines has studies in Dulong. Mr. Amican clarified that the existing study on Dulong is the output of the research of CI Philippines together with NFRDI. In response to the suggestion of Dr. Tirol and Mr. Beldia to craft an FMA-wide policy for Dulong fisheries, the Chair expressed the need for further studies. With no further questions, Mr. Hernandez proposed advancing to the next agenda item. The motion was seconded by Mr. De Jesus. At 12:14 p.m., the Chair called for a recess.

At 1:05 p.m., Ms. Moloboco conducted a roll call, during which Mr. Amican emphasized that a quorum was not present. Mr. Amican referred to the FMA 12 Internal Rules of Procedure (IRP), stating that all decision-making should be deferred in the absence of a quorum. Thus, the Chair motioned to defer Agenda number 4 the deliberation and adoption of the endorsed SAG Resolution No. 2 and 3. Consequently, the meeting proceeded to the next agenda.

Agenda 5: Orientation of The Philippine IUU Fishing Index and Threat Assessment Tool for Monitoring and Evaluation in FMA 12

Before starting his presentation, Wilfredo O. Fajardo Jr., the OIC-Chief of Enforcement and Regional Monitoring, Control, and Surveillance Operation Center (ERMCSOC) of BFAR4A, expressed gratitude to BFAR MIMAROPA FMRED and the IFIT Team for permitting the use of their IFIT results in Palawan. He justified the use of this



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presentation, stating that it provides a more comprehensive overview for the FMA 12 MB to assess municipal waters effectively. Mr. Fajardo mentioned that BFAR CALABARZON conducted IFIT for Manila Bay, but the results are for validation, and Manila Bay falls within FMA 6. In FMA 12, there is an assessment in Lemery, but no reduction planning has been initiated yet. For Balayan Bay, there is a conducted assessment initiated by the LGU.

Mr. Fajardo presented an overview of The Philippine IUU Fishing Index and Threat Assessment Tool for Monitoring and Evaluation in FMA 12. He covered the legal basis of the IFIT Assessment Tool, its rationale for assessing IUU, and its components, including the IUU Fishing Assessment Guide (Part A) detailing Prevalence (10 indicators), Vulnerability (8 indicators), and Response (5 indicators). He also explained the IUU Fishing Index (Part B) with standardized scoring for objective comparisons and the IUU Fishing Reduction Planning Guide (Part C). He elaborated on the assessment process, the information to be gathered, and the kinds of information/data generated in the assessment and planning. He further emphasized the IFIT is a science-guide and evidence-based planning for target, purposive and measurable reduction of IUU fishing.

For the first two components (Part A and Part B) of the IFIT, Mr. Fajardo explained the information or data generated in the assessment and planning. This includes the Coastal Profile of the LGU, Existing Programs addressing IUU Fishing, Enforcement Profile of the LGU/s, Threat Map, IUU Fishing Prevalence Matrix, Vulnerability Factors and Root Causes of specific types of IUU fishing, IUU Fishing Index Score, Ideas Board, IUU Fishing Threat Profile, IUU Fishing Targets, and IUU Fishing Reduction Plans with targeted responses. He added that through IFIT Assessment, dominant illegal fishing activities based on estimated annual yield with values can be computed. Furthermore, the estimated annual yield of IUU fishing, categorized by type of violation and residence, can be calculated in metric tons.

For Part C, or the IUU Fishing Reduction Planning, the outcomes of the assessment will be used to formulate a 1-3 years IUU Reduction Strategic Plan, which will be integrated into existing CRM, MPA, and Enforcement Plans. Mr. Fajardo underscored the



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tool's contribution to combating IUU Fishing and demonstrated its practicality by presenting the summary of Municipal I-FIT Assessment Results in the Province of Palawan as an illustrative example. He concluded by emphasizing the need to encourage voluntary compliance, adopt purposive enforcement measures, develop targeted and enduring responses, and meticulously track and measure progress in reducing IUU fishing.

The Chair asked if there is any clarification regarding the presentation. Dr. Ramos asked when the IFIT started. Mr. Fajardo replied that the initial roll-out was 2020 during the pandemic period where the platform was online. Seeing that results are good, the tool was rolled out at the regional level in 2021 adopted by all BFAR regional offices where there was pilot testing on selected municipalities. Now, all municipalities are targeted for IFIT assessment to have a wider picture of the IUU for the whole nation.

Mr. Beldia inquired about any observed subjective scoring from the LGUs and requested information on the results for Batangas province. In response, Mr. Fajardo clarified that, currently, only Balayan Bay in Batangas has assessment results. Despite the limited scope, he presented the results for Balayan.

Mr. Fajardo presented the overall IUU index of Balayan Batangas, which stands at 1.77, ranking among the lowest. The indicators with the highest prevalence to response include illegal fishing incidence and incidents from remote sensing, registering 15-20 detections per month based on the January to December 2022 assessment. A notable risk identified is a 67.10% probability of habitat damage caused by IUU fishing in the municipal waters of Balayan. Regarding vulnerability, Balayan is classified as high risk due to its rich fisheries habitats housing many commercially important species, as assessed through the C30 methodology for coral cover in their coral reefs. The area faces a high risk of overcapacity in fisheries, with 219 fishers per kilometer of coastline. In terms of response, they are categorized as having a risk, attributed to the absence of a reduction plan implementation. Overall, Balayan holds a 1.77 IUU index score with a 2.53



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data quality score. A score near 1 is considered good, while scores nearing 4 indicate a high risk or unfavorable condition.

Regarding other matters, Mr. Amican provided an update on the status of FMA 12 Resolution No. 13, which was approved during the last 3rd quarter MB Meeting. He mentioned that the resolution is currently in the finalization process for printing. Mr. Amican explained that there are still clarifications on specific details that need to be resolved, pending the finalization by the FMA 12 TWG in their upcoming meeting.

Mr. Amican highlighted that the FMA 12 TWG is awaiting deliberation on the Reproductive Biology Study of *Sardinella lemuru* in Tayabas Bay by the FMA 12 SAG. In response, Dr. Ramos informed that the repro-bio study is available for download, and she also confirmed that the data can be utilized since it has already been published.

To schedule the next MB Meeting, the Chair proposed holding it during the third week of January 2024.

After a photo documentation, the meeting adjourned at 2:15 p.m.

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