

CEPF Final Completion and Impact Report

Organization's Legal Name:	Manengkel Solidaritas
Project Title:	Improving Marine Protected Areas and Sustainable Fisheries Management in North Sulawesi, Indonesia, Phase II
Grant Number:	CEPF-112991
Hotspot:	Wallacea II
Strategic Direction:	4 Strengthen community-based action to protect marine species and sites
Grant Amount:	\$70,149.14
Project Dates:	August 01, 2022 - October 31, 2023
Date of Report:	December 15, 2023

IMPLEMENTATION PARTNERS

The Ministry of Marine and Fisheries of Indonesia (MMF): a) The MMF provides technical expertise on Lembeh zoning arrangements and related regulations for resource use in each zone; b) The MMF officially approves the designation of Lembeh MPA zoning documents.

The Province of Marine and Fisheries Agency (MFA): a) The Province MFA supports the identification of potential zoning arrangements in accordance with MPA policies and programs outlined by the MMAF; b) Facilitates and chairs meetings with all relevant stakeholders; c) Maintains ongoing communication with the North Sulawesi Governor regarding Lembeh MPA documents and maps before submitting them to the MMF.

North Sulawesi Marine Conservation Working Group: a) Reviews and finalizes the Lembeh MPA document submitted by the monitoring team from Sam Ratulangi University.

Sam Ratulangi University: a) Conducts surveys on Lembeh ecology and socio-economic aspects; b) Presents survey results at meetings of the North Sulawesi marine conservation working group and public consultation events.

Law Bureau of North Sulawesi Province: The Law Bureau of North Sulawesi assists in developing legal documents related to the establishment of Lembeh MPA zoning plans.

Village Heads within the Lembeh MPA: Village heads actively support public consultations and livelihood programs by issuing village decrees regarding community group structures.

PT. Pertamina Indonesia Bitung: Supports the procurement of equipment for women's group home industries.

AP2HI: Facilitates connections between local fishers and companies.

PT. Aruna Indonesia: A private sector company focusing on fisheries products, supports collaboration with women cooperatives.

BPPP: Provides support in delivering fisheries training within the project program.

Bitung SMEs Agency: Involves women's group home industries in various programs and series of SME trainings, and grants them a small building as a store to sell product

CONSERVATION IMPACTS

Planned Long-Term Impacts: 3+ years (as stated in the approved proposal)

Impact Description	Impact Summary
LT1. The Bitung city marine protected area that is designated by the Ministry of Marine and Fisheries Republic of Indonesia, will improve managing economically and ecologically important small-scale coastal fisheries.	In accordance with Ministerial Regulation MMAF No. 31 of 2020, Conservation Areas Reserved designated by the Governor are mandated to proceed with the zonation planning process. Following the issuance of Governor's Decree 81/2022, this project actively facilitated the determination of the zonation plan. On February 21, 2023, a meeting was convened with the full participation of the Marine Conservation working group, focusing on formulating the draft zoning plan. The zonation plan maps were subsequently disseminated during the First Public Consultation held on April 14, 2023, and May 11, 2023; the Second Public Consultation on May 24, 2023; and a Technical consultation with the Directorate of KKHL-KKP on June 13, 2023. By the end of October 2023, the project team successfully submitted the final version of the Marine Protected Area (MPA) zonation plan document to the Provincial MFA. As of November 23, 2023, the document is at the secretary's desk, and by November 27, 2023, it has reached the Governor's administration desk, as tracked through the digital tracking tool of the North Sulawesi government
LT2. The local fisheries families in project areas' economic income improved by 20% due to fisheries co-management between the local community, government, and private sector.	After the training process and institutional strengthening was completed, a group of coastal women began to produce tuna shredded fish, tuna sambal as much as 35 times in 5 months, until this report is made, total income reach Rp.25,600,000,-. Ten percent of their income is saved in the bank account owned by the women cooperative, and after separated some money for the next production, the rest was distributed the the group member. Besides mentioned above, the Coastal Women's Cooperative and the Fishermen Group already have a partnership business with Aruna as a fish buyer. They received a

Impact Description	Impact Summary
	<p>commission of Rp.4,000 per kilogram of fish sold to Aruna. Until this report was made, they had received a commission money of Rp. 1,200,000 for the 300 kilograms of fish they sold to Aruna. This collaboration with ARUNA has been starting since October 2023.</p>
<p>LT3. Project implementation best practices are replicated as lessons learned and project models in other areas and contributed to adaptive fisheries policies that support small-scale fisheries in North Sulawesi.</p>	<p>1). This project helped build the capacity of government partners and local levels, and facilitated increased stakeholder participation in MPA Design by using the OSPC. The Open Standards for the Practice of Conservation (OSPC) approach is a framework used in managing conservation areas and natural preservation projects. This approach helps the government to have better MPA plan for future process of conservation efforts more effectively and sustainably;</p> <p>2). During implementation of the project, one notable success is the increased community particularly the wives of local fishers involvement in sustainable fisheries management. The fisheries data collection program has enabled local women participation in data collection, contributing the data used in the North Sulawesi tuna stock assessment.</p> <p>3). Livelihood program. The selection process of group member determining the great success of the program.</p> <p>In general, our approach continues to emphasize strong coordination and maintaining communications and positive relationships across the suite of relevant stakeholders. Continuously conveying program information to partners, at provincial and village levels, is crucial. Additionally, maintaining a participatory approach involving key stakeholders and community members is ess</p>
<p>100 people from 5 communities will have improved livelihood due to better coastal management</p>	<p>This project has been developing alternative livelihoods for communities through the establishment of businesses units in Lembeh Bitung MPA. Over two years program, this project has been starting to raise awareness of the local community related to the a portion of business profits generated in the future scheme will be reinvested back to support conservation activities within the protected areas. This will represents one of the community-based conservation funding schemes. Alternative livelihoods are provided to communities that actively participate in the management of the conservation areas.</p>

Planned Short-Term Impacts: 1 to 3 years (as stated in the approved proposal)

Impact Description	Impact Summary
<p>ST1. Marine protected area off the coast of Bitung City (North Sulawesi) declared under Governor decree with approximately 9.6 hectares</p>	<p>The project successfully facilitated the issuance of Bitung MPA through the North Sulawesi Governor Decree Number 81/2022, as well as finalized the final draft of Bitung MPA Zonation Plan Document and Maps, with zonation distribution areas are as follows: Core Zone 78.95ha; Tourism Sub-zone 406.78ha; Capture Fisheries Sub-zone 9,175.93ha; Aqua culture Fisheries sub-zone 1.52ha; Coral rehabilitation sub-zone 4.14ha; Coral transplantation sub-zone 0.18ha, with in total 9,667.50 hectares</p>
<p>ST2. 100 local tuna fishers using small-scale techniques have improved knowledge and capacity to use sustainable practices and are in compliance with government regulations</p>	<p>In this initiative, we observed a notable enhancement in the skill sets of local fishers from Lembeh Island after they underwent training in fish handling, logbook maintenance, and GPS usage. This improvement was also bolstered by the provision of GPS devices and fish cooler boxes to these traditional fishermen.</p> <p>Members of the fishing community are now adept at calculating their earnings and expenditures for each fishing trip. By leveraging the cooler boxes and GPS devices provided by the project, they've achieved significant savings. The GPS allows them to navigate directly to specific fishing locations, thereby reducing fuel costs. Additionally, their dependency on ice has been reduced, with costs plummeting from Rp 800,000 to Rp 500,000 due to the efficiency of the cooler boxes."</p>
<p>ST3. 60 women, the wives of local fishers, organized into three cooperatives, engage in post-catch processing and income-generating activities</p>	<p>During two years project implementation, the coastal women in Lembeh cooperatives had thriving as local businesses. Their cooperative has successfully established ties with several private stakeholders, including a prominent fish buyer known as ARUNA, and has received significant backing from PT. Pertamina Indonesia. Their rapid business expansion can be attributed to the robust support from local governmental units, particularly the Bitung government's Small Medium Enterprises division, as well as collaborations with esteemed establishments like the Aston Hotel. Their journey is enriched by a diverse array of training programs, encompassing financial strategies, digital marketing through websites and e-platforms, business analytics courtesy of the UKM Cooperative Office. Their entrepreneurial journey has been augmented by comprehensive training sessions, which include financial mechanisms, leveraging online platforms for marketing, business analysis provided by the UKM Cooperative Office, and specialized training in</p>

Impact Description	Impact Summary
	processing fishery products. they also received a building as their shop for marketing their product. Untill this report is made, their 5 months income has reached Rp.25.600.000 for selling fish product, and IDR 1.200.000,- from commision of selling fish to Aruna
30 North Sulawesi MPA managers will have improved skills in the use of Open Standard for Practice of Conservation and the Miradi conservation planning software	In designing a conservation area, we can use the Open Standards Approach for the Practice of Conservation. OSPC is a framework used in the management of conservation areas and natural preservation projects. This approach helps the management team to plan, implement, monitor, and evaluate conservation efforts more effectively and sustainably. The OSPC approach combines elements of conservation, management planning, and community participation. One of the software that is often used to support the application of the OSPC approach is Miradi. Miradi is a software specifically designed to help the conservation management team in applying the OSPC approach. This software provides tools for planning, monitoring and evaluating, organizing information, and community involvement. The training activity was carried out for two days, on July 26-27, 2023, located in the Grand Puri Hotel Manado Hotel attended by twenty eight participants from Manado and Bitung who were staff of the North Sulawesi Provincial Maritime and Fisheries Agency Office, and staff of Manengkel Solidaritas.
At least 50 women will use their improved business skills to have an increase in household income of approximately \$100/month.	Over a span of just five months, the women's cooperative has seen their income soar to Rp. 25,600,000. Additionally, since October 2023, they have secured an additional IDR 1,200,000 in commissions from their fish sales to Aruna. With the momentum they've gathered, it's anticipated that their earnings will consistently rise as their business flourishes
At least 50 fishers will use improved skills and digital fisheries application to improve their household income by at least \$100/month	A total of 136 traditional fishermen of Lembah Island have received training on how to get a vessel registration online and 96 managed to get a vessel registration document - 30 documents through AP2HI assistance; This project has succeeded in facilitating 100 traditional fishermen and succeeded in receiving Kusuka cards as the identity of fishermen; A total of 22 fishermen have attended training on how to use logbooks and GPS and follow the submission of 15 cooler boxes and 10 GPS. After applying the logbook recording system and using GPS, the fishermen recognize that there is a savings of ice costs during the ship, from Rp.800,000 to Rp.500,000,--

Impact Description	Impact Summary
	In addition, fishermen were successfully connected to fish buyers and have become an extension of the Aruna company in the purchase of fish on Lembeh Island. Another advantage received by fishermen is social assistance from the government specifically for fishing groups amounting to Rp.600,000 per month per fisherman

Unexpected impacts (positive or negative)?

Recognizing the invaluable contributions of the Coastal Women's Group and the Fishermen, the Bitung City Government has generously provided a centrally located kiosk free of charge for the community group to sell their fisheries products. Demonstrating a robust commitment, the government actively supports the business endeavors of the coastal women and fishermen, offering a diverse range of training programs aimed at enhancing their capacities and elevating the quality of their ventures.

Remarkably, the women's cooperative has exceeded expectations, generating an impressive income of Rp. 25,600,000 within just five months.

Since October 2023, the community groups have extent their businesses as Fish Collection Centre on Lembeh Island, establishing a partnership with ARUNA, a prominent fish buyer company. For every kilogram of fish sold to Aruna, they earn Rp. 4,000. According to the latest report, they have successfully supplied Aruna with 300 kilograms of fish, resulting in an additional bonus income of Rp. 1,200,000.

PROJECT RESULTS/DELIVERABLES

Overall results of the project:

A total of 9,667.50 hectares have been effectively managed and incorporated into the zoning plan for the Bitung Marine Protected Area.

Program benefits have reached 200 individuals, contributing to the well-being of local communities.

Distribution of 96 vessel registration documents has been carried out, ensuring proper documentation and adherence to regulatory requirements.

A hundred fishermen have been issued KUSUKA Cards, providing them with a recognized fisheries identity.

A comprehensive training program on sustainable fisheries has successfully educated 168 traditional fishermen.

Twenty-nine coastal women have expanded their knowledge in diversifying fish products, enhancing economic opportunities.

Two cooperatives, namely "Koperasi Perempuan Pesisir Maju Terus" and "Koperasi Perempuan Pesisir Maju Bersama," have been officially registered and recognized by the Mayor of Bitung City, and now are under the SMEs Agency of Bitung government.

The generated income from fish products has amounted to 25 million IDR, reflecting the economic impact of the program.

A production house with equipment valued at IDR 20,850,000, slated for distribution by the Ministry of Commerce, includes one unit kiosk.

Nine organizations have successfully established networks with the Ministry of Marine Affairs and Fisheries (KKP), women's groups, and fishermen's groups in the program. These organizations include AP2HI, BPPP, Aruna Indonesia, Yayasan IPNLF Indonesia, the Ministry of Trade, DKP Bitung, DKP Province, and SMEs Bitung, along with Aston Hotel.

Results for each deliverable:

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
1.0	Creation of Lembah Strait-Bitung City marine protected area	1.5	Decree of the Governor of North Sulawesi Province regarding the reserve of the Bitung City MPA	Governor of North Sulawesi Decree Number 81/2022 about Pencadangan Kawasan Konservasi Perairan Pesisir dan Pulau-Pulau Kecil Provinsi Sulawesi Utara Untuk Taman Wisata Perairan (TWP) Kota Bitung (Reserving the Coastal and Small Islands Conservation Area of North Sulawesi Province for Bitung City's Marine Tourism Park
2.0	Improved fishery management	2.1	Bitung City Fisheries Scoping Document	The document has sent in previous report
2.0	Improved fishery management	2.4	Report on training of 20 tuna fishers and 20 women's group member, related to sustainable fisheries management, including relevant demographic detail of members.	The training activities report documents has sent in the previous report period
2.0	Improved fishery management	2.5	Report on sustainable fishing operations of up to 100 small-scale tuna fishers, including details on legal compliance (certifications, registration)	The training activities report documents has sent in the previous report period
3.0	Improved financing for fisheries management	3.1	Report on training of small-scale tuna fishers in post-catch processing, including training dates, agendas, and participant demographics	The training activities report documents has sent in the previous report period

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
3.0	Improved financing for fisheries management	3.2	Report on women's alternative livelihood program, including training agendas, outputs, links to private sector and government programs, and membership demographics	The training activities report documents has sent in the previous report period
4.0	Promotion of best practices	4.1	Report on promotion and adoption of best practices in fisheries management, including promotion of village laws and fisheries plans and use by relevant stakeholders	The activities report documents has sent in the previous report period
5.0	Safeguards and Manengkel capacity	5.1	Report on Process Framework	The activities report documents has sent in the previous report period
5.0	Safeguards and Manengkel capacity	5.2	Civil Society tracking tool	This has been completed
5.0	Safeguards and Manengkel capacity	5.3	Gender Tracking Tool	This has been completed
6.0	Spatial Plan for Bitung MPA	6.1	Report on formation of working group, including by-laws, meeting agenda, and participants (name and sex)	On Tuesday, February 21, 2023, at the CTI Building, Manengkel Solidaritas, in collaboration with the North Sulawesi Provincial Department of Marine Affairs and Fisheries, conducted a Socialization event regarding Governor's Decree Number 81 on the Reservation of Coastal and Small Islands Conservation Areas in Bitung City, North Sulawesi Province. In this socialization event, an agreement was reached for the reactivation of the North Sulawesi Conservation Working

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				Group. This Working Group will consist of representatives from the Government and NGOs tasked with carrying out the processes and stages of determining the zoning of the Bitung City Marine Tourism Park (TWP) Conservation Area. Detail activities report document, as attached.
6.0	Spatial Plan for Bitung MPA	6.2	Report with secondary data collection	The activities report document is attached on this report period
6.0	Spatial Plan for Bitung MPA	6.3	Report with data analysis	The report is consolidated within a single document titled Data Collection for Bitung MPA Area done by the Samratulangi monitoring team. Detail activities report document, as attached.
6.0	Spatial Plan for Bitung MPA	6.4	Report on First Public Consultation, Minutes of Agreement, proposed area types (document and maps), including dates of consultation and participant names, gender, and titles	The Public Consultation - Phase I Zoning for Bitung Marine Tourism Park was conducted three times, attended by representatives from the Bitung City Government, North Lembeh and South Lembeh Subdistrict Governments, North Lembeh and South Lembeh Villages, as well as representatives from community leaders, fishing groups, and the Conservation Task Force. The consultations took place on the following dates: April 14, 2023, at the South Lembeh Subdistrict Office, Bitung City, May 11, 2023, in Gunung Woka Village and Posokan Village, May 30, 2023, in the meeting room of the Coral Triangle Initiative Building, Manado City.

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				As a collective agreement among all participants of the Public Consultation - Phase I Zoning for the Bitung Marine Tourism Park Conservation Area, a Mutual Agreement Document was created jointly by all participants and the Working Group (Pokja). The document records the outcomes of discussions and agreements reached during the public consultation. The event concluded with the signing of the agreement document by all participants and the Pokja, marking the official consensus. Detail activities report document, as attached.
6.0	Spatial Plan for Bitung MPA	6.5	Report with spatial plan	Spatial Plan is designed through a Technical Consultation this is a crucial phase in proposing documents and zoning maps, the results of which will be submitted for the preparation of the RZWP3K document. This activity aims to gather input, feedback, or improvement suggestions from stakeholders, particularly the Ministry of Maritime Affairs and Fisheries or related parties, and to finalize the agreement on the documents and zoning maps. The follow-up to the consultation results involves implementing improvements, which will be carried out collaboratively by the Working Group team and the program team from Manengkel Solidaritas. Detail activities report document, as attached.
6.0	Spatial Plan for Bitung MPA	6.6	Report on second Public Consultation, Minutes of	On Wednesday, May 24, 2023, the Public Consultation-II on the Zoning of the North

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
			Agreement, proposed area types (document and maps), including dates of consultation and participant names, gender, and titles	<p>Sulawesi Regional Conservation Area for Marine Tourism was held in the Meeting Room of the Regional Planning Agency (BAPPEDA) Office in Bitung City from 10:00 AM to 1:00 PM. The implementation of the Public Consultation-II on the Zoning of the Bitung Marine Tourism Park Conservation Area is a follow-up from the Public Consultation. For this Public Consultation-II, the participants invited are stakeholders from the Bitung City Government's Regional Working Units (SKPD). The Public Consultation - II on the Zoning of the Bitung Marine Tourism Park Conservation Area resulted in several proposed changes to the positions of the core zone and tourism zone. This is based on the assumption that there are plans for tourism development in locations currently included in the core zone mapping document. After extensive discussions, each participant from the Bitung City Government's Regional Working Units (SKPD) provided written comments and signatures on the zoning map document as evidence of input for changes to the zoning map document. At the end of the meeting, each representative who attended signed the Minutes of Meeting document as the outcome of the Public Consultation - II. Complete activities as attache</p>

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
6.0	Spatial Plan for Bitung MPA	6.7	Report describing final spatial management plan and conservation area	The final document of Bitung MPA spatial plan as attached in this report period
6.0	Spatial Plan for Bitung MPA	6.8	Draft language for the ministerial decree creating the Bitung MPA	The draft language for the ministerial decree establishing the Bitung Marine Protected Area (MPA) is currently in progress and awaits input from the North Sulawesi Governor's Secretariat. It is anticipated to be finalized by March 2024.
6.0	Spatial Plan for Bitung MPA	6.9	Report on public awareness campaign for MPAs in Bitung Lembeh Island, including dates of events, agendas, materials presented, people reached, impact observed, and next steps	The public awareness campaign for MPAs in Bitung Lembeh Island is pending and is scheduled to occur after the completion of the designation of Bitung MPA zoning maps and documents by the Ministry of Marine and Fisheries. The awareness campaign is planned to involve the installation of nine informational boards, providing content about the zoning areas of the Bitung MPA
7.0	Digital Technology for Small Scale Fisheries	7.1	MoU or formalized statement of cooperation with provider of "Fishon" application	The plan for contractual arrangement with the fisheries application provider, "Fish On," was cancelled due to the company's inactivity. In order to support local fishermen and women cooperatives and enhance business in the fisheries sector, a successful initiative was launched in October 2023. This project facilitated the connection of these cooperatives with ARUNA, a company that purchases fish and still on going.
7.0	Digital Technology for Small Scale Fisheries	7.2	Report on business improvements and life insurance for fishermen	Through financial support from the Wallacea II Partnership program, Manengkel Solidaritas is actively engaged in assisting small fishermen

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				<p>on Lembeh Island. One of the initiatives involves disseminating information about a government program, specifically the Fisherman Business Insurance or KUSUKA. In the process of obtaining the KUSUKA card, the central government has entrusted Manengkel Solidaritas with accessing the official government link for verification, which can be found at https://satudata.kkp.go.id/. Following successful verification through the website, the KUSUKA card can be printed according to the fisherman's document requirements determined during the interview process. During the period of November to December 2022, Manengkel Solidaritas distributed a total of 98 KUSUKA cards to fishermen on Lembeh Island in stages. The symbolic handover ceremony took place on November 1, 2022, coinciding with counseling and registration activities.</p>
8.0	Women-managed business support group	8.1	Report on establishment of Coastal Women's Cooperative "Koperasi Perempuan Pesisir" (or KPP), including by-laws, meeting agendas, and participants by name, sex, and village of residence	<p>The meetings for the establishment of the Coastal Women's Cooperative were conducted in the neighborhoods of Batulubang and Mawali on August 23-23, 2022; September 21, 2022; and November 17, 2022. After obtaining collective approval the program coordinator proceeded to consult and coordinate with the relevant government authorities, namely the Department of Cooperatives and Small and Medium Enterprises of Bitung City, and the office of</p>

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				the notary public on September 22, 2022. To facilitate the administrative process on September 30, 2022, the program coordinator visited the office of the notary public, Nasrun Koto, SH, MH, in Bitung City. It was agreed that the office of Notary Nasrun Koto would assist in preparing the documents for the two coastal women's cooperatives on Lembeh Island, Bitung City, at a cost of Rp.6,500,000 per document, totaling Rp.13,000,000. On December 12, 2022, the "Maju Bersama Mawali" and "Lestari Maju Terus" cooperatives signed two documents at the Notary's office in Bitung City. The next day, program staff collected the completed documents and submitted them to the Bitung City Department of Cooperatives and Small and Medium Enterprises for government registration.
8.0	Women-managed business support group	8.2	Report on establishment of microfinance system	The microfinance system, managed by women's groups on Lembeh Island, has been successfully established through the creation of two cooperatives: Koperasi Perempuan Pesisir Maju Terus Batulubang and Koperasi Perempuan Pesisir Maju Bersama Mawali. These cooperatives engage in the production of various fisheries products, including shredded fish, meatballs, tuna chili sauce, tuna fish nuggets, and more. Moreover, they have expanded their fisheries business by becoming extended buyers for Aruna, a major fish buyer based in Jakarta.

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				<p>This initiative has not only diversified the products these women produce but has also transformed their roles. Previously confined to being a house wives, all the women group members now have employment opportunities, contributing to their economic independence. The project has further streamlined their business operations by implementing Standard Operational Procedures (SOPs) and developing a strategic plan.</p>
8.0	Women-managed business support group	8.3	Report on training for female business managers, including dates and agendas of events, materials provided, names/sex/village of participants, and recommended next steps	<p>Group Capacity Development Training held on June 21-23, 2022, and was inaugurated by Mr. Ir. Victor Palar, M.Sc., Head of the Department of Cooperatives and Small and Medium Enterprises (UNKM) in Bitung City. Home Industry Food Production Training. Before the group obtains Household Food Industry Production (or in bahasa PIRT) permit, members of the group undergo training on good food production practices. After completing the training, project staff assist in registering for PIRT at the Bitung City Health Department. This activity took place in July 2023.</p> <p>Website usage training. On March 21, 2023, a training activity on website usage was conducted at the Sustainable Coastal Women's Group "Lestari Maju Terus Batulubang." This group included 6 female members and 1 male</p>

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
				<p>member representing the fishermen. Meanwhile, on April 5, 2023, the same training was also conducted at the Coastal Women's Cooperative Group "Maju Bersama Mawali," attended by 5 members of the coastal women's cooperative management.</p> <p>E-Commerce Training in Batulubang Village for the Progressive Batulubang Cooperative held on June 21, 2023, attended by 6 members of the Progressive Batulubang Cooperative. Their account can be accessed through the following link: https://www.tokopedia.com/mamalembeh</p>

Tools, products or methodologies that resulted from the project or contributed to the results:

- 1). 96 fishing vessel registration documents
- 2). 100 KUSUKA cards for local fishers
- 3). Standard Operational Procedure document of fisheries community group
- 4). Strategic Plan document of fisheries community group
- 5). Standard Operational Procedure document of Women cooperatives
- 6). Strategic Plan document of Women cooperatives
- 7). Kota Bitung Conservation Area Study I & II
- 8). Kota Bitung zoning plan documents
- 9). Kota Bitung MPA zoning plan maps
- 10). Bitung fisheries profile
- 11). Fisheries data collection sheet
- 12). Fisheries logbook sheet
- 13). Complain Handling Mechanism Poster
- 14). GRM sheet
- 15). Governor Decree Number 81/2022

PORTFOLIO INDICATORS

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
1	At least 20 KBAs are better managed or protected by the end of the program	2	1 New Site, 1 existing site	1	<p>1 KBA Selat Lembeh (IDN 023).</p> <p>Following a comprehensive review process that included a series of public consultations and technical consultations, adjustments have been made to the previously determined conservation area. This process was further augmented by inputs from the RZWP3K Working Group.</p> <p>Initially, the conservation area was determined by the governor to be 9,667.50 hectares. However, due to an error, there was a typo indicating the area as 9.6 hectares. The corrected area for the conservation region is now 9,667.50 hectares.</p> <p>In addition, 10% of this conservation area is designated as the core zone. The core zone's size is based either on the entire ecosystem's area or the</p>

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
					specific habitat area that's targeted for conservation.
2.2	At least five unprotected marine KBAs are protected through the establishment of new official MPAs	1	Bitung City-Lembeh Strait MPA creation	1	Ministerial Regulation of MMAF No. 31 of 2020 mandates that Conservation Area Reserved designated by the Governor must continue with the process to have a zonation plan. Based on this, after the issuance Governor's decree 81/2022, this project facilitating the process of the determination of the zonation plan. On February 21, 2023 a meeting was held attended by all member of Marine Conservation working group with agenda to formulate the draft of zoning plan. The zonation plan maps was disseminated in the First Public Consultation conducted in April 14, 2023, and May 11, 2023; Second Public Consultation on May 24, 2023 attended by representatives of the community and the City Government of Bitung, the North Lembeh and South Lembeh District Government, the North Lembeh and South Lembeh

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
					Village Governments. Mr. N. Gustaf F. Mamangkey, PhD as the coordinator of the Samratulangi University Survey Team, presented the survey results they had worked on; and Technical consultation with Directorate of KKHL-KKP on June 13, 2023. The final version of MPA zonation plan document has submitted to the Province MFA and it is expected that the document and map will be further process in the Ministry of Marine Affairs and Fisheries (MMAF) to be designated.
3.1	Community management institutions strengthened, and plans for management of coastal and marine resources adopted, by communities in at least 15 sites	3	3 villages, 5 communities institution better managed	10	This project intervention location are in 10 different villages, those are as follows: 1 women group for livelihood program and 1 fishers group in Mawali village; 1 women group for livelihood program and 1 fishers group in Batulubang village; 1 women group for livelihood program in Atep Oki village. The remining 7 villages are MPA program location.
3.2	At least five communities apply	2	2 tuna fishers communities villages	5	This project fisheries and livelihood programs are

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
	limits to promote the sustainability of supply of marine resources (e.g. gear limits, quotas, zoning)		with sustainable fisheries management		involving 5 community groups: 2 fisheries and 3 livelihood.
7.2	Key government and donor stakeholders recognize and adopt good practice lessons from CEPF-funded projects	2	sustainable fisheries, and livelihood program	2	<p>The success of best practices of this project can be traced back to grassroots initiatives, and this project is a prime example. Originating from small-scale fisheries and livelihood programs, the project has made significant strides in increasing the economic of traditional fishing communities.</p> <p>One of the project's achievements is its ability to bridge the gap between traditional fishers and fish big buyers. Specifically in this project is ARUNA and AP2HI. they has been offering these fishers better prices for their catch including several fish handling trainings. Great support also comes from the BPPP and BPSPL which are the extended of the Ministry of Marine and Fisheries Affairs of</p>

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
					<p>Indonesia. They have delivered various important trainings and social support such as operational cost as big as Rp.600.000 per fisher per month.</p> <p>Parallely, women's cooperatives, an integral part of this initiative, have forged meaningful connections. They are now linked with government programs that amplify their reach and impact. Furthermore, they have established beneficial partnerships with renowned entities such as Aston Hotel and PT. Pertamina Indonesia.</p> <p>The results are evident: both the fisher group and the women groups have witnessed substantial economic improvement since the inception of the program. Their upliftment not only stands testament to the effectiveness of the project but also underscores the potential of well-structured grassroots initiatives</p>

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
4.1	Management and protection of at least 10 existing community-based MPAs is strengthened	1	Atep Oki village	1	<p>Atep Oki village is one the program for Community-Based MPAs initiative in 2016. Since its inception, our commitment to nurturing the local community, particularly the women, has been unwavering. We've been avidly focused on equipping them with skills and knowledge to establish and manage small-scale fisheries-based businesses.</p> <p>This includes imparting skills on the production of fish-based delicacies like fish meatballs, fish nuggets, and shredded fish, we've also provided them with insights on financial mechanisms and strategies to promote their products effectively.</p> <p>To ensure the highest quality of training, we collaborated with the Fisheries Training Agency, known as BPPP Bitung.</p>
4.2	At least 15 communities create new MPAs/no-take	2	Desa Mawali and Desa Batu Lubang	7	There are 7 villages of 2 sub districts, named Kecamatan Lembeh Utara and Kecamatan Lembeh

Portfolio Indicator Number	Portfolio Indicator Description	Expected Numerical Contribution	Expected Contribution Description	Actual Numerical Contribution	Actual Contribution Description
	zones to protect key marine resources				Selatan inside the Marine Protected Areas.
3.3	At least three private sector companies agreed to support conservation actions for MPA management and species protection	1	PT.Pertamina Indonesia, Bitung support alternative livelihood program for women group	4	There are Four private sectors connected to the communities groups in this project program. 1). PT. Pertamina Indonesia, contributed Rp.75.000.000,- for providing equipment for the women groups small business. 2). Aruna, connect to the women cooperative and fishers community groups as fish buyer. 3). AP2HI, connect the to the fishers community group as tuna fish buyer 4). Aston hotel, connect to the women cooperatives as a buyer of the products.

GLOBAL INDICATORS

Protected Areas

Protected areas that have been created and/or expanded as a result of the project. Protected areas may include private or community reserves, municipal or provincial parks, or other designations where biodiversity conservation is an official management goal.

Name of Protected Area	WDPA ID*	Latitude	Longitude	Country	Original Total Size (Hectares) **	New Protected Hectares ***	Year of Legal Declaration or Expansion
-------------------------------	-----------------	-----------------	------------------	----------------	--	---------------------------------------	---

*World Database of Protected Areas

**If this is a new protected area, 0 should appear in this column

*** This column excludes the original total size of the protected area.

Key Biodiversity Area Management

Key Biodiversity Areas (KBAs) under improved management—where tangible results have been achieved to support conservation—as a result of the project.

KBA Name	KBA Code	Size of KBA	Number of Hectares with Improved Management
Selat Lembeh	IDN023		9,667

Production Landscapes

Production landscapes with strengthened management of biodiversity as a result of the project.

A production landscape is defined as a site outside a protected area where commercial agriculture, forestry or natural product exploitation occurs.

Name of Production Landscape	Latitude	Longitude	Hectares Strengthened	Intervention
Lembeh Fisheries Capture Sub Zone	1.393824	125.240253	9,175	This is a fishing zone within the Bitung water conservation area with a total area of 9,667.50 ha

Benefits to Individuals

- Structured Training:**

Number of Men Trained	Number of Women Trained	Topics of Training
142	44	Training of GPS and Logbook Training of vessel online registration (TDKP) Viber boat making training Training of finance literacy Training of website and e-commerce platform usage Digital Training SMEs Clinic training Entrepreneur training

- Cash Benefits:**

Number of Men – Cash Benefits	Number of Women – Cash Benefits	Description of Benefits
142	44	Income has increased significantly following the acquisition of knowledge through various training sessions. For example, fishermen have experienced a boost in income by selling their catch to women's cooperatives with better prices, while the women's cooperatives themselves have seen an increase in revenue through the sale of fish products and cooperatives business operational.

Benefits to Communities

View the characteristics column below with the following corresponding codes:	View the benefits column below with the following corresponding codes:
1- Small Landowners	a. Increased Access to Clean Water
2- Subsistence Economy	b. Increased Food Security
3- Indigenous/ Ethnic Peoples	c. Increased Access to Energy
4- Pastoralists / Nomadic Peoples	d. Increased Access to Public Services
5- Recent Migrants	e. Increased Resilience to Climate Change
6- Urban Communities	f. Improved Land Tenure
7- Other	g. Improved Use of Traditional Knowledge
	h. Improved Decision-Making
	i. Improved Access to Ecosystem Services

Community Name	Community Characteristics							Type of Benefit									Country	Number of Males Benefitting	Number of Females Benefitting
	1	2	3	4	5	6	7	a	b	c	d	e	f	g	h	i			
West side of Lembeh Island (People living in the neighborhoods of Kelurahan Mawali and Kelurahan Batulubang)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Indonesia	2308	1352

Characteristics of "Other" Communities:

Policies, Laws and Regulations

View the topics column below with the following corresponding codes:			
A- Agriculture	E- Energy	I- Planning/Zoning	M- Tourism

B- Climate	F- Fisheries	J- Pollution	N- Transportation
C- Ecosystem Management	G- Forestry	K- Protected Areas	O- Wildlife Trade
D- Education	H- Mining and Quarrying	L- Species Protection	P- Other

No.	Name of Law	Scope	Topics															
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	North Sulawesi Governor Decree Number 81/2022 "Pencadangan Kawasan Konservasi Perairan Pesisir dan Pulau-Pulau Kecil Provinsi Sulawesi Utara Untuk Taman Wisata Perairan Kota Bitun"	Local	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

"Other" Topics Addressed by the Policy, Law or Regulation:

- North Sulawesi Governor Decree Number 81/2022 "Pencadangan Kawasan Konservasi Perairan Pesisir dan Pulau-Pulau Kecil Provinsi Sulawesi Utara Untuk Taman Wisata Perairan Kota Bitun":

No.	Country/ Countries	Date Enacted/ Amended	Expected impact	Action Performed to Achieve the Enactment/ Amendment
1	Indonesia	March 04, 2022	Governor Decree Number 81/2022, designating coastal and small island conservation areas in North Sulawesi Province for the Bitung City Marine Tourism Park, marks	The actions undertaken align with the regulations set forth in Minister of Marine Affairs and Fisheries Regulation Number 31 of 2020 regarding Conservation Area Management. Furthermore, the project team has secured membership in the Working Group for the North Sulawesi

No.	Country/ Countries	Date Enacted/ Amended	Expected impact	Action Performed to Achieve the Enactment/ Amendment
			the project's significant contribution to expanding the reserved regional conservation areas by one out of the four designated. Presently, the government, in collaboration with NGOs, including this project, aims to propose two additional conservation areas to be officially designated by the Ministry of Marine Affairs and Fisheries, with Bitung City being one of them.	Conservation Area Network, as stipulated in the North Sulawesi Governor's Decree Number 221 of 2017. This membership streamlines the support process for this endeavor

Companies Adopting Biodiversity-friendly Practices

A company is defined as a for-profit business entity. A biodiversity-friendly practice is one that conserves or uses natural resources in a sustainable manner.

Name of Company	Description of Biodiversity-Friendly Practice	Country/Countries where Practice was Adopted

Networks and Partnerships

Networks/partnerships should have some lasting benefit beyond immediate project implementation. Informal networks/partnerships are acceptable.

Name of Network/Partnership	Year Established	Country/Countries	Established by Project?	Purpose
Asosiasi Pole Handine and Handline Indonesia	2022	Indonesia	Yes	Link to AP2HI member which are the Fish Processes Unit
ARUNA	2023	Indonesia	Yes	ARUNA partnering with the women cooperatives for fish trade in Lembeh island

Sustainable Financing

Sustainable financing mechanisms generate funding for the long-term (generally five or more years). These include, but are not limited to, conservation trust funds, debt-for-nature swaps, payment for ecosystem services (PES) schemes, and other revenue, fee or tax schemes that generate long-term funding for conservation.

Name of Mechanism	Purpose	Date Established	Description	Country/Countries	Project Intervention	Delivery of Funds?
-------------------	---------	------------------	-------------	-------------------	----------------------	--------------------

Globally Threatened Species

Globally threatened species (CR, EN, VU) on the IUCN Red List of Threatened Species, benefitting from the project.

Genus	Species	Common Name (English)	Status	Intervention	Population Trend at Site
-------	---------	-----------------------	--------	--------------	--------------------------

LESSONS LEARNED

There are lessons learned during implementation of project, as follows:

1. Creation of MPA

Constructing a marine protected area requires a lengthy process and must garner support from all elements, including the local community and relevant government authorities. One crucial aspect is determining the location and size of each zone, especially the closed or core zone.

In the process of deliberating the proposed design for the location and extent of conservation zones, the project team encountered prolonged debates, particularly with the fishing community, during the initial public consultation on determining the positioning and dimensions of the conservation zones. Recognizing this challenge, the project team adopted a personalized approach strategy by engaging with members of the fishing community and key village figures before entering the formal discussion arena. They strategically enlisted influential individuals within the village as project ambassadors to convey a preliminary understanding to the community. This approach significantly streamlined discussions during the subsequent second and third public consultations, as the community had already comprehended and embraced the government's proposals regarding the location and size of the designated zones. Although there were always new inputs, the discussion process was more efficient, and agreements were reached more quickly.

One more lesson learned that can be replicated by project implementers in other locations is to facilitate the process of establishing a marine conservation area. In doing so, program implementers must collaborate closely with the government from the design stage of the proposed proposal until involving the government intensively in the program implementation, as well as becoming part of the working body for that specific project.

2. Sustainable small-scale fisheries and livelihood program

Before the initiation of the Coastal Women Empowerment Program on Lembah Island, particularly in the villages of Mawali and Batulubang, numerous women in the area lacked employment opportunities and a source of income to contribute to the economic well-being of fishing families. Through the guided program, which included training in the production of diverse processed foods using tuna as a primary ingredient, significant transformations took place. Initially established as a coastal women's group officially recognized by the village through a decree in 2021, the initiative progressed to the point where, by 2023, the enterprise was formally structured as a cooperative with legal standing as a joint business cooperative. The business expanded its services to encompass the trade of fish and various marine products. Moreover, the cooperative evolved to meet the operational needs of small-scale fishermen, resulting in a consistent increase in income over time.

This innovative program not only addresses social challenges but also effectively tackles other complex issues. The active involvement of fishermen's wives in supporting family economies and creating employment opportunities in the village, including advocating for fair pricing for the catches of small-scale fishermen, demonstrates the comprehensive impact of the initiative. A crucial takeaway from this project is the importance of conducting preliminary surveys before crafting project proposals to understand the specific needs within the community.

3. Safeguard

We have designed a poster that presents the flow of complaint submission and handling in the form of an infographic to help the villagers to easily understand the process.

Summary: In the process implementing our program, our approach continues to emphasize strong coordination and maintaining communications and positive relationships across the suite of relevant stakeholders. Continuously conveying program information to partners, at provincial and village levels, is crucial. Additionally, maintaining a participatory approach involving key stakeholders and community members is essential. However, still there were challenges occurred related to the government less proactive.

SUSTAINABILITY/REPLICATION

1. Small-scale sustainable fisheries management

a). The partnership with ARUNA JAYA that benefits fishermen demonstrates the crucial role of Aruna Jaya Indonesia in facilitating fishermen and Coastal Women's Cooperatives to sell their catches. Currently, 46 fishermen are involved in collecting catches for sale. Fishermen no longer go to Bitung Port to sell their catches, providing significant benefits in terms of reducing fishermen's operational costs. This helps increase fishermen's net income since they can minimize travel expenses for delivering/transporting catches to Bitung Port or buyer companies. The advantage for fishermen in selling their catches to the Coastal Women's Cooperative is that the catches sold through the cooperative are weighed and paid directly by the cooperative. The involvement of the Coastal Women's Cooperative in the Batulubang village highlights the role of women in the fisheries value chain. This cooperative serves as a collection point for catches and a distributor of fishing products, contributing to the empowerment of women in the local economy.

b). The Women cooperatives continue to establish product marketing collaborations with Astone Hotel Manado. Additionally, the group has entered into a partnership with the Souvenir Center in Bitung City. Since the group began producing Tuna Fish Floss, a total of 1000 packages have been sold at a price of Rp.25,000 per package. This collaboration not only assists in product marketing but also provides broader exposure at the local level.

Meanwhile, challenges for women and fishermen arise due to the absence of a warehouse as a storage and processing facility for fish products, impacting the quality of the products. These issues result in excessively high operational costs.

2. Creation of Bitung MPA Spatial Plan

Manengkel collaborated with provincial Marine and Fisheries Agency, and the conservation working group to develop final document and maps of Bitung MPA zonation plan, and been handed over to the North Sulawesi Governor secretariat for next process.

Despite these achievements, the project has encountered challenges, particularly related to the speed of the Bitung MPA creation process, which depends on the proactivity of government staff. Consequently, the specific output of MPA creation is slightly behind the initially planned schedule.

ENVIRONMENTAL AND SOCIAL SAFEGUARDS/STANDARDS

Throughout the project implementation, no complaints related to the program arose. The project team effectively disseminated the Grievance Redress Mechanism (GRM) through the village government office, conducted comprehensive socialization on the GRM process, and established a complaint handling mechanism with clear and easily understandable information for the local community

ADDITIONAL COMMENTS/RECOMMENDATIONS

ADDITIONAL FUNDING

Total Amount of Additional Funding Actually Secured (USD)	\$6,644.00
Breakdown of Additional Funding	4934 from PT.Pertamina Indonesia for fisheries equipment 1710 from Ministry of SMEs for women fisheries business equipment

INFORMATION SHARING AND CEPF POLICY

CEPF is committed to transparent operations and to helping civil society groups share experiences, lessons learned and results. For more information about this project, you may contact the organization and/or individual listed below.

Manengkel Solidaritas +6285331300238