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**Report of the European Union on Article 30 of the Convention
and Resolution 2008-01 of WCPFC**

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Report of the European Union on Article 30 of the Convention and Resolution 2008-01 of WCPFC

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1 INTRODUCTION

The main European Union (EU) support instrument to the Pacific region from 2014 to 2020 was the 11th European Development Fund (EDF). The Neighbourhood, Development and International Cooperation Instrument (NDICI)¹ is the successor of the EDF and will cover the period from 2021 to 2027. The EU provides support to the Pacific Region in various sectors such as Oceans’ Governance; Climate change and Disaster Risk; Trade; Energy; Health, Gender; Public Finance Management (PFM) and Governance.

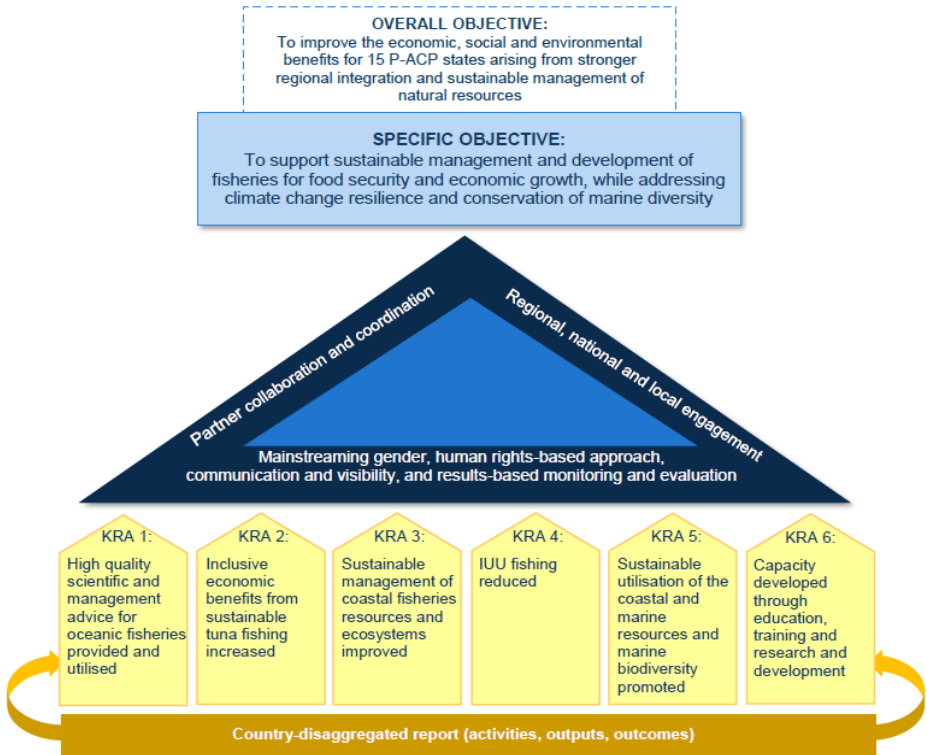
2 OCEANS’ GOVERNANCE - THE PACIFIC-EUROPEAN UNION MARINE PARTNERSHIP (PEUMP) PROGRAMME

PEUMP is the flagship initiative funded under the 11th European Development Fund to promote a healthy Pacific Ocean and a strong governance of marine and coastal resources to improve Pacific Ocean's contribution to sustainable and inclusive growth within the region.

The Programme - jointly financed by the EU and Sweden for a total amount of EUR 45 M - is a clear sign of EU's and its Member States' commitment to promote sustainable, responsible and transparent management of the marine resources in the Pacific Ocean. The EU and its Member States consider oceans governance as a priority in the partnership with Pacific Countries.

The PEUMP Programme overall objective is to "improve the economic, social and environmental benefits for the 15 P-ACP² states arising from stronger regional economic integration and the sustainable management of natural resources and the environment". The specific objective is to "support sustainable management and development of fisheries for food security and economic growth, while addressing climate change resilience and conservation of marine biodiversity".

The Programme adopts an integrated and multi-sectoral approach, with inter-related components implemented by several Agencies at the regional, national and local levels. The programme’s six Key Result Areas (KRA) are structured as follows:



¹ https://www.eeas.europa.eu/eeas/new-%E2%80%98ndici-global-europe%E2%80%99-2021-2027_en

² Cook Islands; Fiji; Federated States of Micronesia; Kiribati; Nauru; Niue; Palau; Papua New Guinea; Republic of the Marshall Islands; Samoa; Timor Leste; Tonga; Tuvalu; Solomon Islands; Vanuatu.

The first five KRAs are implemented by the Pacific Community (SPC), the Forum Fisheries Agency (FFA) and the Secretariat of the Pacific Regional Environment Programme (SPREP). The last one is implemented by the University of the South Pacific (USP).

A Programme Management Unit (PMU) was established within the leading agency (SPC) to ensure effective overall coordination and to foster coordination amongst the different implementing agencies as well as implement the Human Rights and Gender component, the Communication component and the Maritime Boundaries component.

3 PEUMP MAIN DEVELOPMENTS DURING YEAR 5 OF IMPLEMENTATION (JULY 2022 – JULY 2023)

This chapter summarises the main accomplishments by each Key Results Area (KRA) during Year 5³ of implementation (July 2022 - July 2023).

3.1. Maritime Boundary Delimitation

The focus of this sub-component led by SPC-GEM under KRA 0 is to provide technical assistance with delimitation and negotiation of maritime boundaries of some Programme countries. There are 48 shared or overlapping boundaries between countries in the Pacific, of which 36 are formalised in agreements. Currently, there are 12 outstanding bilateral maritime boundaries remaining to be declared. The following were the highlights of activities in Year 5:

- ***Fiji and Solomon Islands Treaty:*** Both countries completed the relevant internal procedures for the entry into force of the Agreement concerning their maritime boundaries treaty signed on 11 July 2022. This process will allow both States to register the treaty with United Nations Treaty Section (UNTS) and the schedule of coordinates and charts with the UN Division on the Law of the Sea (UN DOALOS).
- ***21st Maritime Boundaries Working session:*** Convened in-person from 5-16 December 2022 at the University of Sydney, the working sessions allowed the national maritime boundaries teams supported by the Pacific Maritime Boundaries Consortium to work on technical and legal tasks, organise relevant meetings, receive specialised training, access experts, share success stories, and set action plans to progress their work on maritime zones. It was attended by a total of 46 delegates (14 female; 32 male) from 13 Pacific Island countries.
- In addition, the Resilient Boundaries for the Blue Pacific project hosted a two-day experts meeting to bring scientific, technical and legal advice on the methodology and approach of the project. It was attended by 26 experts, 7 from external institutions (University of Sydney, USGS, Geoscience Australia, AIMS), 5 country experts (Fiji, FSM, Tuvalu, Tonga), 8 from SPC, 2 from the Attorney General Department and 1 from DFAT. The two-day meeting was facilitated by the SPC RBBP team.
- ***Maritime Boundaries Deposit clinic:*** This workshop took place in the margins of 5th Intergovernmental Conference (IGC-5) on the international legally binding instrument to manage and conserve biodiversity in areas beyond national jurisdiction (BBNJ). The PEUMP team attended the workshop and provided advice and support with regards to the process of deposit supporting the below listed objectives.

The objectives were: 1. PNG to address outstanding matters relating to the 2019 deposit of their baselines, 12M, 24M, and 200M zones in order to be able to complete the process; 2. Fiji to register their recently signed treaty with the Solomon Islands; 3. Fiji to lodge its extended continental shelf submission on the South Fiji Basin to the Commission on the Limits of the Continental Shelf (CLCS); 4. Kiribati to register their treaties with Tuvalu, RMI, and Nauru; 5. Kiribati to acknowledge and verify the coordinates of their shared boundary with the Cook Islands.

³ The PEUMP Programme Year 5 Annual Report and Year 6 Work Plan will be posted at the Knowledge Centre Section of PEUMP's webpage (<https://www.peump.dev>).

- **UNCLOS 101 Training for Kiribati and Fiji:** On 19-23 June 2023 SPC hosted 3 participants from Kiribati government and 4 participants from the Fiji government for basic knowledge training of the United Nation Convention of the Law of the Sea (UNCLOS) in order to gain a better understanding of the various Articles related to maritime boundaries delimitation and extended continental shelf submission, to understand the pathways to maritime zone delimitation and to maritime boundary treaty negotiation and finally to obtain a good knowledge on the process of the extended continental shelf claim.
- **Technical training with Palau supports ocean management through defined maritime zones:** From 17 - 21 April 2023, the maritime boundary team hosted a training for 2 staff from the Land and Resource Information System Office (PALARIS), Palau's national geospatial office. This one-week professional attachment provided an opportunity to review the country's maritime boundaries and complete related technical activities, including finalizing territorial sea baselines.

3.2. Scientific and Management Advice for Oceanic Fisheries

This component, led by SPC Oceanic Fisheries Programme (OFP), focuses on providing high quality scientific and management advice for oceanic fisheries that has utility at the regional and/or national level. All four tuna stocks (bigeye, skipjack, yellowfin and south Pacific albacore) are categorized as not overfished and not subject to overfishing.

The following is a summary of the main achievements in Year 5:

Analysis of tuna by-catch at regional and national levels

- A manuscript estimating trends and magnitudes of bycatch in the tuna fisheries of the WCPO has been published in the peer reviewed Journal Fish and Fisheries.
- The data visualisation dashboard for displaying bycatch data on the Bycatch Management Information System⁴ is being developed allowing for dedicated national reports.
- A collaboration working group with the Inter-American Tropical Tuna Commission (IATTC) was established to develop best-practices for estimating and predicting bycatch spatial distributions, a key consideration of 'vulnerability' analyses.
- The simulation study to quantify sample bias issues in species distribution models for bycatch species progressed in year 5.
- Draft national bycatch reports have been reviewed by FSM RMI and CK co-authors. These reports summarise estimated bycatch by longline fisheries within these EEZs, and for national fleets.

Ecosystem modelling and development of indicators

- Work on the study of micronekton biodiversity to support identification of tuna prey and improve the understanding of ecosystems for modelling purposes through the analysis of micronekton from scientific research voyages (PUFFALIS, WARMALIS 1 and WARMALIS 2) and analysis of large pelagic fish stomachs continued in year 5.
- Research on biodiversity / new species this year has included: barcoding of specimens of *Polyipnus* sp. from scientific research voyages (WALLALIS and NECTALIS) belonging to two new species, and barcoding of *Acanthephyra* sp. (deep sea shrimps) from a scientific research voyage (WARMALIS 2).
- Peer-reviewed publications either accepted or 'submitted for publication' include:
 - Morphological and molecular identification of rare longhorn butterflyfish larvae (*Chaetodontidae*), (Provisionally Accepted 12/03/2023).
 - Marine mammal strandings recorded in New Caledonia, south west Pacific ocean, 1877 to 2022, (submitted to *Pacific Conservation Biology*, 14/04/2023).

⁴ <https://www.bmis-bycatch.org>

- A rare Macristium stage Bathysaurus mollis (Aulopiformes, Bathysauridae) from the South Pacific, Peter Konstantinidis and Elodie Vourey (submitted to Deep-Sea Research Part II, 24/06/2023).
- Can Stomach Content and Microbiomes of Tuna Provide Near Real-Time Detection of Ecosystem Composition in the Pacific Ocean? <https://www.frontiersin.org/articles/10.3389/fmars.2022.811532/full>.

Evaluation of electronic monitoring for purse seine vessels

- OFP staff attended a two-day workshop entitled “Using available Electronic Monitoring data to make the Solomon Islands Longline fishery more sustainable” at the end of February 2023.

Research to address biological uncertainties in tuna stock assessment models

- **Tuna age and growth:** A new modelling of skipjack tuna growth for the 2022 WCPFC skipjack stock was completed for the WCPFC Scientific Committee meeting (SC18)⁵ in partnership with the Inter-American Tropical Tuna Commission (IATTC) and the National Research Institute of Far Seas Fisheries, Japan Fisheries Research and Education Agency. The growth curve was used as an externally estimated alternative growth option in the stock assessment model grid.

Marked otoliths and genetic samples from skipjack tagged and released during the 2022 WP6 tagging cruise have now been recovered and are currently being processed for a new skipjack age validation study being conducted in collaboration with CSIRO in Australia.

Final editing is underway on a scientific paper entitled “Corroboration of otolith age reading protocols for yellowfin and bigeye tuna of the Western and Central Pacific Ocean using post-peak bomb radiocarbon dating”. This paper is the culmination of a longstanding piece of work on finding methods to validate otolith-based age estimation methods for yellowfin and bigeye.

- **Genetics/genomics:** The paper on genetic cross-contamination risk using different at-sea tissue sampling protocols was published⁶ in ICES Journal of Marine Science. A new paper was submitted to the journal Frontiers in Marine Science detailing results from the resequencing of yellowfin tuna samples associated with a 2019 paper from Anderson et al. (2019). This paper is currently undergoing external peer review.

- **Connectivity and mixing in WCPO tunas:** As of 30 June 2023, Phase 1 of sampling for the South Pacific albacore connectivity project was completed involving efforts to test for differences in genetic and otolith markers between albacore captured in New Caledonia and those captured in French Polynesia.

The skipjack connectivity work continues, with the statistical analysis of each of the different data streams (i.e. otoliths, genetics, stable isotopes) revealing some interesting and often diverging patterns across the sampling region that takes in PNG, Palau, FSM, Solomon Islands and New Caledonian waters.

The research paper on the Bayesian classification approach is undergoing a second round of peer review in the Journal of Fisheries Research.

Work has continued on a research paper examining the drivers of tuna diet and stomach fullness across the WCPO using the comprehensive dataset available on tuna diet and stomach fullness from samples housed in the Pacific Marine Specimen Bank (<https://www.spc.int/ofp/PacificSpecimenBank>). The results of this work were presented at the 73rd Tuna Conference, held at Lake Arrowhead, California in May 2023.

- **Biological sampling and data collection:** Collection of new data on tuna lengths and weights and biological samples continued during in year 5.
- Peer-reviewed publications either accepted or ‘submitted for publication’ this year include:

⁵ The paper is available at: <https://meetings.wcpfc.int/node/16254>.

⁶ Open access and available at <https://academic.oup.com/icesjms>.

- Modelling of tuna around fish aggregating devices: The importance of ocean flow and prey. <https://doi.org/10.1016/j.ecolmodel.2022.110188>.
- Individual-based model simulations indicate a non-linear catch equation of drifting Fish Aggregating Device-associated tuna. <https://doi.org/10.1093/icesjms/fsad105>.
- Estimating post-release mortality of long-line caught tropical tunas in the Pacific Ocean. <https://doi.org/10.1016/j.fishres.2021.106194>.
- Recommendations towards the establishment of best practice standards for handling and intracoelomic implantation of data-storage and telemetry tags in tropical tunas. <https://doi.org/10.1186/s40317-023-00316-3>.
- Assessing the drift of Fish Aggregating Devices in the tropical Pacific Ocean. <https://doi.org/10.5194/egusphere-2023-315>.

Improved modelling of relative abundance using catch per unit effort

- Key inputs to the WCPO skipjack stock assessment were developed and discussed at SC18. These included the standardized pole and line indices, and purse seine indices, detailed within the ‘background analyses’ paper (<https://meetings.wcpfc.int/node/16253>).
- In September 2022, an independent peer review of the 2020 stock assessment of yellowfin tuna in the WCPO was completed. The review considered CPUE analysis in detail as a key input to the assessment and provided a number of recommendations to improve the CPUE analysis and are relevant to the other tuna stock assessments.
- The approach to longline CPUE analysis for the 2023 WCPO yellowfin and bigeye assessments were improved by testing and implementing a new, more efficient, user friendly and repeatable statistical model fitting software sdmTMB. OFP was able to closely replicate previous geospatial CPUE standardisations done in the less efficient and more cumbersome VAST software.
- An improved CPUE standardisation model for yellowfin and bigeye based on the Pacific longline data set that includes some new covariates and other modifications to the previous methods, as well as exploring an alternative single fleet index.
- Training was provided to other staff in CPUE standardisation, both geospatial and standard GLMs approaches, that has been applied to exploring and improving the CPUE analyses for South Pacific albacore. The advancements in the CPUE analysis are summarized in a paper to be presented to SC19.
- In relation to effort creep, the 2023 paper on effort creep in the purse seine fishery was completed, which was presented to the annual PNA officials meeting and was provided as a paper to SC19.

Capacity development through long-term attachments with the SPC

- A new SPC Pacific Island Fisheries Professional arrived in April 2023 to work on KRA 1.3 (EM) in Fiji in Year 6.
- Two short term (1 female, 1 male) attachments from the Samoa Ministry of Agriculture and Fisheries attended SPC in September 2022 working with the SPC data and electronic monitoring/reporting team to progress activities for Samoa in this area.

3.3. Economic Benefits from Sustainable Tuna Fishing

Led by FFA, this component focuses on supporting national Sanitary and Phytosanitary Competent Authorities and strengthening private sector engagement relating to employment in the offshore fisheries sector, thereby increasing economic benefits from sustainable tuna fishing. At the end of the fifth year of the programme, 4 countries (Fiji, PNG, Kiribati and Solomon Islands), still have access to the EU markets for fish and fisheries product exports.

The following highlights were achieved in Year 5:

- From 13 - 31 March 2023, the FFA Market Specialist, along with a team of consultants, conducted the Regional Fish Inspectors Training in Fiji. The training was attended by 28 participants (14 male, 14 female) from 11 Pacific Island countries and one representative from

Kiribati Fisheries Limited. All participants were associated with an active or near-active Competent Authority (CA). Representatives from four tuna fishing private sector companies supported through PEUMP and the FFA Investment Facilitation Unit showcased their products at the Pacific Pavilion (booth) of the Global Seafood Expo (25-27 April 2023). This resulted in successful agreements and prospects with potential buyers from the UK, EU, USA and Asia. The cumulative value of secured deals is estimated at approximately USD 1.5 million, with the potential to increase further by the end of 2023.

- Countries supported to undergo assessments for Marine Stewardship Council (MSC) certification: The Fiji Fishing Industry Association (FFIA) received their MSC certificate in July 2023 following their re-assessment and compliance audit.
- Supported the participation of 6 male Tuvalu police and fisheries officers and 3 FFA trainers (3 males) to the High Seas Boarding and Inspection Training (24-28 April 2023, Suva) in accordance with the WCPFC CMM 2006-08.
- Supported the High Seas Boarding Inspection Training (19 – 23 June 2023, Honiara) in accordance with the WCPFC CMM 2006-08 for Solomon Islands Compliance Boarding Officers. There were 26 participants (3 female, 23 males) from Solomon Islands, NZ MPI, AFMA and FFA.
- Technical advice was provided by FFA PEUMP for the development of the Samoa Fisheries and Aquaculture Policy which was launched on 25 October 2022 (World Food Day).
- A regional dialogue was held in Nadi from 6 - 8 February 2023 with the Human Rights (HR) & Gender Equality and Social Inclusion (GESI) Dialogue working group and stakeholders. There were 38 participants (28 females, 10 males) from 9 regional countries (Fiji, Tuvalu, Kiribati, Solomon Islands, Samoa, Tonga, PNG, Nauru and Vanuatu).
- Since the start of the PEUMP Programme, representatives (148 people in total, 71 female, 77 male) from Government fishing agencies and small medium enterprises were trained. Interviews with participants 6+ months after the training saw some of the participants been able to address issues with fishing industries when conducting vessel inspections, practice leadership skills in mentoring/training for their staff and increased understanding of the roles of authorities and fishing industries.

3.4. Sustainable Management of Coastal Fisheries

The coastal fisheries component led by the SPC Coastal Fisheries Programme and supported by the LMMA Network implementation partner, focuses on improving the sustainable management of coastal fisheries resources and ecosystems through better scientific information, the provision of technical support and the empowerment of communities.

The following were the highlights achieved in Year 5:

Surveys of commercially important invertebrates

- **Fiji:** Preliminary training was provided to Fisheries Service Centre Managers in Fiji's western divisions, focusing on effective sampling of invertebrates from markets and landings using the Ikasavea app. Support were provided to Fiji Fisheries to handle the requirements associated with collecting data on the Sea Cucumber Fishery harvests when the fishery opened in July 2023. Number of people trained: 36 in total (Western Division (Ikasavea): 4 females, 7 males and Research Division (Sea cucumber population stock assessment): 13 females, 12 males).
- **Samoa:** training to the Coastal Fisheries staff from the Fisheries Division, Ministry of Agriculture and Fisheries in Apia, to effectively utilise the Ikasavea app and e-data system. The training addressed fisheries monitoring methodologies and strengthening of capabilities in data collection and management. Number of people trained: 6 (4 males, 2 females).
- **Papua New Guinea:** Training covered market and landing survey methodologies and the utilisation of the Ikasavea application for data collection. The training enabled NFA staff to initiate regular market surveys on some key invertebrate fisheries providing valuable data on species sold, seasonality, sex ratio, and size structure. Number of people trained: in total 42 (Port Moresby: 14 males, 3 females; Kavieng: 12 males, 4 females; Wewak: 5 males, 4 females).

- **Solomon Islands:** Training conducted for fisheries staff in market and landing surveys using SPC e-tools. Additionally, a biological sampling campaign was conducted, resulting in the collection of valuable biological samples to gather information on the life traits of mud crab species, *Scylla serrata*, across a significant number of locations in Solomon Islands. Number of people trained: 13 (12 males, 1 female).
- **Regional:** (i) improved machine learning/artificial intelligence models have been developed to process invertebrate photos taken at landing and market stalls. During Year 5, more than 56,400 photos were analysed for invertebrate detection and measurement. (ii) successfully developed and improved the computer vision models by contributing the analysis of benthic habitat utilised by invertebrate fisheries species.
- **Products:**
 - Papua New Guinea mud crab identification cards. 2022. <https://purl.org/spc/digilib/doc/2vmjd>.
 - Co-authored a mud crab identification guide aimed at aiding PNG's National Fisheries Authority in accurately distinguishing the four commonly caught species prevalent across the region.
 - Two working papers and an information paper for the 5th Regional Technical Meeting on Coastal Fisheries and Aquaculture (RTMCFA5).
 - What science is needed for trade in CITES-listed sea cucumber species? 2022 <https://purl.org/spc/digilib/doc/2jy4t>.
 - Suite of tools for coastal fisheries and aquaculture: access, usage and support. 2022. <https://purl.org/spc/digilib/doc/vqtj6>.
 - TAILS and IKASAVEA: different approaches but same team; <https://purl.org/spc/digilib/doc/nzrd5>.

Socio-economic surveys of coastal communities

- **Tonga:** A report on the Special Management Areas (SMA) socio-economic assessment was finalised in August 2022 with inputs from Tonga's Ministry of Fisheries (MoF) and FAO.
- **PNG:** Supported LMMA and cChange to develop their survey questionnaire (July to October 2022), and to train 17 enumerators (10 males 7 females) in October to December 2022, troubleshoot fieldwork issues, and provided guidance on data management and analysis tools on Excel (December 2022 to June 2023).
- **Kiribati:** An online workshop was conducted July 2022 to support the development of climate change indicators, and to improve the understanding of statistical key concepts in excel to enter, organise and analyse socio-economic data. There were 9 participants (5 males, 4 females) from the Ministry of Fisheries & Marine Resource Development (MFMRD). Tools were developed to assess the bonefish recreational fishery in Kiritimati, the COVID-19 impacts and to provide management recommendations (early 2023 to June 2023).
- **Cook Islands:** Development of tools to assess the bonefish recreational fishery in Aitutaki and the socio-economic feasibility of this activity in Penrhyn (March 2023 to June 2023).
- **Fiji:** Development of tools to assess the impact of anchored FADs and local data collection programme, using local women enumerators (December 2022 to June 2023).

Coastal fisheries data collection and national database development including trials of new technology

- **Kiribati and Vanuatu:** An online module (web and mobile) has been developed for community surveys and presented to the partners and surveyor counterparts in November 2022. Legacy data (2019-2022) provided by the Kiribati and Vanuatu fisheries agencies has been imported into the online database (Kiribati: 5 communities and 1049 fishing trips; Vanuatu: 5 communities and 1192 fishing trips).
- **Kiribati:** Data collection through Ikasavea/web landing surveys started in Kiribati following an online training of 8 MFMRD staff (4 males, 4 females) conducted with KRA 3.1. A total of 194 fishing trips have been surveyed during Year 5 by MFMRD staff.

- **Samoa:** Data collection through Ikasavea/web market surveys continued in Samoa with 1422 stalls surveyed during Year 5 by Ministry of Agriculture and Fisheries (MAF) staff (compared to 998 stalls surveyed in Year 4).
- **Fiji:** Following training of 36 Ministry of Fisheries staff (17 females, 19 males), jointly with KRA 3.1, MoF has transitioned to e-data collection with Ikasavea. Staff are conducting surveys regularly, both at the markets and at landing sites (creel surveys). 3272 market stalls and 946 fishing trips have been surveyed during Year 5 in Fiji (c.f. 2623 stalls were surveyed in Year 4).
- **Marshall Islands and Tonga:** The web interface of the export module has been upgraded to fit Marshall Islands (MIMRA) and Tonga (MAFFF) needs, and all past exports permits from MIMRA since 2012 were imported.
- **Tonga:** Data collection through Ikasavea/web market and landing surveys continued in Tonga. Tonga also used the web portal to report on MCS activities.
- **Papua New Guinea:** Following Ikasavea training provided in Wewak, Kavieng and Port Moresby from 21 November to 9 December 2022 (with KRA 3.1), National Fisheries Authority staff started to collect data.
- **Solomon Islands:** Following Ikasavea training provided in May 2023 in Honiara and Gizo from 26 April to 21 May 2023 (with KRA 3.1), MFMR staff are now collecting data at both locations.
- **Palau:** Creation of a base web site for the Ministry of Agriculture, Fisheries, Forestry and the Environment that includes a digital library, initial training of 3 Bureau of Fisheries staff (2 males, 1 female) on Ikasavea for market surveys and data recovery.
- **Nauru:** Training of one staff (male; attachment) on GIS (QGIS) and on available web modules for market and landing surveys has taken place. An Ikasavea training has been provided subsequently by KRA 3.1 in Nauru.
- **Cook Islands:** An extension on of the Ministry of Marine Resources (MMR) water quality database was developed to incorporate a new type of equipment and associated measurement. Available legacy fishes and invertebrate surveys since 2013 were imported into the web database.
- **Tuvalu:** Initial importation of legacy data into the web database was completed.
- **Regional:** Improved artificial intelligence models have been developed to process landing and market stall photos. During Year 5, more than 56,400 photos have been analysed for fish and invertebrate detection, measurement and species identification.

Support and mentoring for the Community-Based Ecosystem Approach to Fisheries Management (CEAFM) at national and local levels

- **Kiribati:** The Nanikaai Community Management Plan was reviewed to ensure it is in-line with the requirements of the Kiribati Coastal Fisheries Regulations. It is the first Community-Based Fisheries Management (CBFM) plan which will be legally endorsed in Kiribati and outlines the process for the legal endorsement of future CBFM plans. The work was in response to a request from Kiribati Ministry of Fisheries and Marine Resources Development (MFMRD) and was implemented in collaboration with MFAT funded CFAP Legal Adviser and Officer. In conjunction with the University of Wollongong, the first consultation for the development of the Kiribati national CBFM scaling-up strategy was initiated.
- **Vanuatu:** In collaboration with the Vanuatu Fisheries Department (VFD), Australian National Centre for Ocean Resources and Security (ANCORS) Pathways 2 project of the University of Wollongong (UoW) and the PEUMP, the National Strategy for Scaling up Community-Based Fisheries Management in Vanuatu was developed through various consultative processes and the strategy was endorsed by the Vanuatu Minister for Fisheries on 16 December 2022.
- **Solomon Islands:** The Malaita Province Community Facilitators Training took place in August 2022 to build capacity of community facilitators in knowing how to facilitate community-based fisheries management in their respective communities. Five community management plans were drafted and support was provided by the Provincial Fisheries Officer to finalise the plans.

- **Tonga, Tuvalu and Nauru:** Work has continued with national fisheries agencies of Tonga, Tuvalu and Nauru on the development of national CBFM scaling-up strategies. Tonga and Tuvalu have completed the policy context and situation analysis stage. Tonga approved the draft strategy outline and reviewed the first draft after in-country consultation. Tuvalu is currently reviewing its first draft. Nauru has completed the policy context and situation analysis stage, approved the draft outline and is currently working on the draft strategy.
 - **Vanuatu, Solomon Islands Fiji and Papua New Guinea:** Participated in the PEUMP-LMMA learning workshop in June 2023 and presented the concept of scaling and how it is guided by the CBFM Framework for Action. A WhatsApp CBFM Melanesian Network Group was established which is functioning very well in terms of sharing CBFM information amongst groups. These include local communities, NGOS, provincial fisheries, national fisheries and SPC.
 - **Tuvalu:** Several CBFM Plans (Nanumaga, Niutao and Nanumea) were reviewed. Tuvalu LMMA team would benefit from training on how to develop community plans.
 - **Regional:** Developed and finalized a new series of information sheets for fishing communities to empower fishing communities to better understand the different management tools and strategies to manage their fisheries resources. Most importantly, the information provided in this series assists fishing communities to make informed decisions in choosing the most appropriate management tool and/or strategy for their situation. The new series includes: Introduction to fisheries management; Permanent closures; Temporary closures; Limits on catching selected species; Limits on the amount of fishing; Limits on fishing gears and methods; Protecting marine ecosystems and Enforcement
- A regional survey to assess the diverse status of CBFM and coastal fisheries management in the 22 Pacific Island Countries and Timor-Leste was carried-out with the assistance of a consultant.

CEAFM management and coordination with NGOs.

- Two provincial networks have been set-up, the LMMA New Ireland Province network in PNG and the TAFEA Province sub-network of the national Vanua-Tai network in Vanuatu. In New Ireland Province, networking has led to an increase in managed areas from 38 in 2021 to 114 in 2023. Networks have also been used to raise issues with governments in PNG and Vanuatu.
- National fisheries policies aiming at scaling CBFM have been adopted as a result of the project in Vanuatu and New Ireland Province of PNG. A number of activities have strengthened sub-national governments in their service to communities. Another set of activities have built capacities among communities in the areas of Laws and Regulations in Fiji and in management planning in Solomon Islands. Community facilitators in Solomon Islands received training to implement a very simple planning tool, the Fish Tool across several communities.
- The baseline survey aimed at measuring the impact of scaling activities has been undertaken in the New Ireland Province of PNG through local teams of enumerators and a total of 1394 fishing household surveys have been completed in 31 communities throughout New Ireland Province in some of the most remote areas.
- LMMA-PEUMP Learning Workshop took place from 5-9 June 2023 in the village of Kaselok in the New Ireland Province of Papua New Guinea with 24 participants. Kaselok hosts the Solwara Skul, a training centre recently built by the local CSO, Ailan Awareness, which is promoting traditional management of natural resources. The workshop gathered 24 participants from Melanesia.

EAFM activities at sub-national and community

- **Regional:** The main achievement was the launch of the LMMA-PEUMP small-grants programme. 16 applications met the evaluation threshold (Eleven from the Solomon Islands, two from PNG and one from Vanuatu, Fiji and FSM).
- **Papua New Guinea:** The project is implemented by Wildlife Conservation Society (WCS). Since the SPC-PEUMP project began in early 2020, three LMMA Network meetings have taken place in Kavieng District, New Ireland Province. The most recent LMMA meeting took place from 31 May to 10 June 2023, and gathered 26 participants, including 10 community

champions, the New Ireland Provincial Government, Provincial Fisheries Officers (PFOs), local CSOs, cChange and the LMMA Network International. Nine communities are now taking part in the traditional marine management practice of Lamba and Lobos in Central Niu Ailan Local Level Government (LLG) jurisdiction. At the inception of PEUMP, 38 communities were reported to have set-up coastal resource management. Three years later, 138 communities have confirmed that they have set up some form of small-scale fisheries management approaches in their customary water, without any direct support from NGOs or governments.

- ***Solomon Islands:*** The project is implemented by WorldFish. In November 2022 and March 2023, cartons of SPC Information packages were sent to the Malaita, Isabel and Temotu provincial fisheries offices to be shared with communities. The second Community-Based Resource Management community facilitators training was completed in August 2022. As in 2021, the training covered, a) ecological knowledge of key coastal resources and ecosystems including life cycle and threats, b) basic management planning and a workplan to finalize management plans after the training and c) a fieldtrip to the Langalanga lagoon management area and sharing of experiences with one of the community leaders of the area. A total of 72 facilitators, 26 women (1/3) coming from 45 communities were trained and 12 management plans are underway, covering about 40 communities.
- ***Vanuatu:*** The project is implemented by Wan Smolbag (WBS) in partnership with Vanuatu Fisheries Department (VFD). The ‘environment film’ is a four-part mini-series with final drafts submitted to Vanuatu Fisheries Department for approval. Each episode of the mini-series focuses on different CBFM issues as requested by VFD, “Crown of Thorns”, “Coral Reefs and the many threats they face”, “Climate Change and Warming Oceans” and “Mangroves and their importance for a healthy eco-system and ocean”.
- ***Fiji:*** the LMMA-PEUMP activities are implemented by a consortium of three organizations, Wildlife Conservation Society (WCS, Fiji), LMMA (FLMMA, Fiji) and Conservation International (CI) as the lead organisation. A guidebook and posters on Environmental Laws and Regulations were developed and translated into vernacular.

Communication activities and production and dissemination of information and materials for communities

- ***New Ireland Province (PNG):*** The Singaut Blo Solwara campaign was launched on 6 October 2022 and involved engagement with all three cultural groups in New Ireland in support of actions towards sustainable fishing practices. In-country partner consultations on the information toolkit were held in April 2023 and was critical to ensure it is locally informed and reflects the nuances of New Ireland’s diverse cultures and communities. A media programme for the campaign was launched in partnership with NBC New Ireland.
Finalized Information Toolkit:
 - CBFM Introductory Booklet: Local Guide to Bigger, Better Catches
 - Facilitation Guide: A Guide to Hosting Discussions about Overfishing
 - A Provincial Distribution Plan, including Google Earth Map
 Media engagement
 - 3 x Singaut Blo Solwara Shows, aired on NBC New Ireland
 - Social media channels launched for the campaign: Regular social media on Facebook and cross-promotion to Instagram.
- ***Solomon Islands – Solwata Blo Iumi campaign:*** Progress on implementation for the Solomon Islands National Information Strategy continued in Year 5. Key activities delivered include a monthly radio show, ongoing social media posts, production on of a lite-touch information toolkit and ongoing partnership engagement. cChange facilitated a two-day Campaign Partner Workshop in Honiara (October 2022) reaffirming partner support for the campaign, particularly government ministries. Key information outputs:
 - 12 x Radio Shows aired on SIBC
 - Social media channels for the campaign: regular social media on Facebook and cross-promote to Instagram

- **Vanuatu:** Working in partnership with LMMA Network and SPC, cChange co-hosted a project implementation workshop with VFD in December 2022, bringing together all key partners to assess a way forward for upscaling Community-Based Fisheries Management (CBFM) in Vanuatu through a national information strategy workplan.
- **Fiji:** Increased engagement with Ministry of Fisheries (MoF) across all Fish Smart Campaign activities involved publishing features on the work of fisheries officers and highlight their stories in a series of videos.

The national distribution of the information toolkit that commenced in April 2022 continued until supplies were finished (10,000 booklets, 5,000 posters were distributed). A total of 121 communities received an information toolkit within this reporting period with a total of 253 communities reached since distribution commenced. It is estimated that at least 25% of coastal communities have been reached through the distribution of an information toolkit or via radio.

Key outputs

- A total of 20 pledge drives were conducted during the reporting period, with 15 being coordinated by partners or volunteers. Pledge drives continue to be a simple, low-cost way to have people involved in the campaign. Over 5,000 pledges have been made – individuals pledging to avoid undersize fish.
- 13 x Qoli Vakamatau Radio Talkback Shows aired on Radio Fiji One.
- Regularly posted campaign champions, pledges drives and other relevant news.

Capacity development through long-term attachments for national fisheries and NGO staff

- The Coastal Fisheries Science Team advertised and filled its Year 5 Pacific Island Fisheries Professional (PIFP) position, who started on 13 February 2023.

Outreach activities including adaptation with communities

- **“Guardians of the Pacific”:** a series of videos produced by the Pacific Community (SPC) to highlight the vital role that fishers play in sustaining local marine resources released online with over 500,000 views on Facebook. Based on the series of videos, a pictures exhibition was designed, and presented during the 5th Regional Technical Meeting on Coastal Fisheries and Aquaculture (October 2022) and during the CRGA. The French version of series and the 3 additional episodes produced in the French territories have been finalized in collaboration with PROTÉGÉ.
- **Regional CBFM web portal - “Echoes of Oceania⁷”** will serve as a regional e-platform about CBFM in the Pacific. It aims to assist governments, communities, and other CBFM practitioners to easily access and share CBFM information and make informed decisions on the management of coastal resources. In Year 5 the web design, collection of data and resources, the organization of existing resources, write-up of the content and the testing of the name of the platform was completed. The platform already features a number tools and information packages. The platform was presented during the Head of Fisheries and will be officially launched during the 6th RTMCFA (November 2023).
- **Regional portal on Ciguatera:** Coordination took place with the research Institute Louis Malardé to make the information tools on ciguatera for the Pacific region accessible⁸.
- **Fish and Tips season 2:** This series of videos highlights nearshore fishing practices targeting the more resilient pelagic species to take some pressure off the threatened or restricted coastal resources. After filming the 7 episodes of season 2 in the Cook Islands, the training videos were finalised and are now available online⁹.

Development of tools and systems to combat IUU fishing activities in coastal waters.

- Since the completion of the study on emerging technologies in Year 4, two key initiatives have progressed with a third new initiative under consideration: (1) the trialling of the Pelagic electronic tracking units aboard 20 inshore small-scale coastal fishing vessels in Kiribati with

⁷ <https://fame1.spc.int/resources/CBFMwebplatform>

⁸ <https://ciguawatch.ilm.pf/awareness-material/>

⁹ https://www.youtube.com/playlist?list=PLCq-WnF3Hdrg8ioa5uTQSIDRJ_LWZs6pt

the installation scheduled for September 2023 and the trial for October/November 2023 (Year 6); (2) CSIRO, together with TNC and SPC worked together to progress the deployment of hydrophones in the Arnavon Community Marine Park, Solomon to explore the feasibility of detecting and recognising vessel activity in the area; (3) the installation of CCTV cameras over the two boat ramps to monitor fishing activity for both MCS and fisheries management purposes under discussion with Nauru.

3.5. Illegal, Unreported and Unregulated (IUU) Fishing

Led by FFA, this component focuses on enhancing monitoring, control and surveillance (MCS) efforts of both oceanic and coastal fisheries, improving legislation, access to information and effective marine management.

In Year 5, the main activities undertaken are summarised as follows:

- Capacity-building and training of MCS Officers with emphasis on the enforcement of port state controls and coastal fisheries regulations: (i) Cohort 10 of the Certificate IV in Fisheries Enforcement and Compliance (CEFC4) all 21 students successfully transitioned from course one, CEFC41 International Legal Frameworks and Good Governance, to course two, CEFC42 Introduction to Fisheries Management. In February, the students proceeded to course three, CEFC43 Operational Planning and Enforcement Processes, and they are currently in the final stages of their online studies. (ii) Cohort 1 17 students (3 females and 14 males) from 8 PICs commenced studies in the Diploma of Fisheries Prosecution and Investigation (CEFIP5), developed by FFA and USP. The Diploma course spans 15 months and consists of 5 learning courses.
- A workshop for Tonga's National Monitoring Control Surveillance Strategy was conducted in May 2023. This initiative is aligned with the implementation of the FFA regional Monitoring Control Surveillance Strategy (2020-2025).
- The Vanuatu Department of Fisheries requested FFA in July 2022 technical assistance to help with their Vanuatu fisheries legislative and policy gap analysis. A preliminary consultation was conducted in Vanuatu from 29 May to 2 June 2023 to gather insights on the legislative review process for both Inshore and Offshore fisheries regulations.
- Assisted Tonga with meeting license subscription fees to use the Starboard software on a trial basis for six months. This software has the capability to detect 'dark vessels' (i.e. vessels with neither AIS nor FFA VMS). Information from the system will assist Tonga to improve its Maritime security efforts to counter IUU fishing.
- Contracted TNC and a fishing company called TUNAGO, to collect EM data and test a number of new emerging technologies (integrated electronic crane scale and an array of electronic monitoring cameras) on board a fish carrier vessel during at-sea transshipment with long-liners.
- In the Solomon Islands, FFA with PEUMP support is leading and coordinating coding training for IT staff from the Ministry of Fisheries and Marine Resources and Information Communication Technology Service Unit to enhance effective control and ownership of the Noro e-port system. This training started in August 2022 with 6 participants from ICTSU and MFMR, (one women and 5 men), and is expected to end by merging/starting with Phase 2 integration of the Noro E-port project (around mid-2023).
- Provided funding support to Vanuatu to assist with in-country training (28 November - 2 December 2022, Ministry of Fisheries, Port Vila) on the use of the Boarding & Inspection software application "BOJAK" which helps with record keeping, audit, reporting and fulfilling the FAO Port State Measure Agreement obligations. The training was attended by 6 woman and 10 men.

3.6. Sustainable Utilisation of Coastal and Marine Biodiversity

Led by SPREP, this component focuses on promoting sustainable utilisation of coastal and marine biodiversity through improving marine spatial planning, increasing climate change resilience, and enhancing conservation and management. In Year 5, PEUMP achieved the following:

- **Marine Spatial Planning (MSP) – Solomon Islands:** IUCN provided technical inputs to the development of the Solomon Islands draft MSP zones including a 15% network of MPA as per the National Biodiversity Strategy and Action Plan (NBSAP). The draft MSP included the following zones: 1) No-take zone/Limited use zone; 2) Sustainable use zone; 3) Special zone; 4) Locally managed marine zone/Cultural zone; 5) General use zone. These zones' typology will be discussed through several meetings/workshops with key sectors of government before it is submitted for Government endorsement.

The IUCN-ORO Marine team visited Honiara, Solomon Islands between 22 – 26 May, 2023 to provide an update on the MSP Narrative report and the Strategic Advice Report for the Compliance Project and discuss next steps; to convene and facilitate a CSO round table to socialize the upcoming Blue Nature Alliance partnership in the Solomon Islands, gather a status update on current and planned activities in the ocean space; to facilitate discussions with Ministry of Environment, Climate Change, Disaster Management and Meteorology, the Ministry of Fisheries and Marine Resources and the Ministry of Foreign Affairs and External Trade on the next step needed to progress the Solomon Islands Marine Spatial Plan.

- **Marine Spatial Planning (MSP) – Fiji:** IUCN together with the Waitt Foundation and the University of California Santa Barbara conducted a “Fiji 30x30 Marine Spatial Planning (MSP) technical training in Suva, Fiji from 17 to 18 August 2023. A wide range of stakeholders (19 male, 25 female) including Government Ministries, Non-Government Organisations (NGOs), Civil Society Organisations (CSOs), Regional Organisations and Community Representatives were trained on how to use “SeaSketch” for MPA planning in Fiji.

On 28 September several communications products were developed for the Fiji MPA work including: Generic MSP Animation video translated into Fijian. Fiji SUMA factsheet – English version. Fiji Bioregions factsheet – English Version. Lau’s Contribution to Fiji’s 30x30 – Fijian version.

IUCN is supporting the Fijian government in the public consultation phase of its commitment to protecting 30% of its EEZ and marine protected areas by 2030 – “Fiji 30x30 MPA. From the 16 to 22 October 2022, IUCN engaged and participated in the Fiji 30x30 consultations in the Lau Province 42 of the 48 villages anticipated to be consulted at district level were visited by the team.

- Terrestrial Biological Rapid Assessments (BIORAP) surveys for 3 sites (South West Bay and Wiawi on Malekula Islands) was completed from 6-31 July 2022. Surveys for northern Pentecost – Laone to Loltong were completed in October 2022.
- The Ridge to Reef (R2R) project in Fiji was awarded to an Australian based consultancy, Alluvium Consulting, who partnered with a locally established conservation organization NatureFiji - MareqetiViti (NFMV) and local consultant Marine Ecology Consulting. The contract with SPREP was signed in April 2023. Currently, the project is still in the planning stage of identifying the best methodology of implementing the Ecosystem and Socio-economic Resilience Analysis and Mapping (ESRAM), Environmental and socio-economic vulnerability and opportunity assessment (ESVOA), and Ecosystem based Adaptation (EbA) options assessments.
- A consultancy agreement was signed with Griffith University in February 2022 to undertake Ecosystem and Socio-economic Resilience Analysis and Mapping (ESRAM) and develop Ecosystem based Adaptation (EbA) options reports in Vanuatu. ESRAM survey field work was completed in the 3 sites in Malekula and 1 site in Pentecost in September 2022. The final report is going through final review and finalization for submission by the end of July 2023.
- Turtles: (1) A National review of the current state of marine turtle management and conservation in Vanuatu was finalised. (2) The final report “Survey of marine turtle use by communities and turtle nesting habitat monitoring in the Kingdom of Tonga” prepared for publication. (3) A Community turtle use survey in Papua New Guinea was undertaken and the final report is being finalised. (4) The regional turtle extinction report is in final stages of production. (5) The official launch of the Turtle Bycatch Mitigation Toolkits was held on 21 January 2021 and 58 bycatch mitigation tool kits were handed to the fishing industry. A total of 51 male students successfully completed the Deckhand Fishing Programme, receiving both the Basic Sea Safety certificate and Deckhand Fishing certificates.

- A service agreement for the activity "Consultancy to lead dolphin by-catch mitigation development and implementation in Kikori River Delta, Papua New Guinea." was signed with Piku Biodiversity Network (PBN) in partnership with the Snubfin Dolphin Conservation Project (SDCP) on 23 September 2022. A final report is due to be published soon.
- Capacity development on Non-Detriment Finding (NDF) process for CITES parties: (1) TRAFFIC, SPC and SPREP have provided ongoing virtual assistance to the countries as requested. (2) NDF developed for CITES listed sharks, coral and cultured giant clams in Tonga. (3) NDF developed for Mako Sharks in Vanuatu.

3.7. Capacity built through education, training and research and development

Led by the University of the South Pacific (USP), the main outcomes during year 5 are:

- Improved access to fisheries and marine education and training that is focused on the identified needs of communities and nation states.
 1. Certificate IV in Training & Assessment – 7th March – 15th July 2022 – 21 participants (8M, 13F).
 2. PGO Gender & Environment – March to August 2022 – 14 participants (10F, 4M).
 3. Micro-Qualifications in Personal Financial Capacity – 3 participants (2M, 1F).
- Increased in-region capacity developed and decreased need for experts from outside the region.
 1. Twenty-one (21) participants completed a TVET programs i.e. Eight males (8) and thirteen (13) females.
 2. Fourteen (14) participants completed a post graduate course in Gender and Environment i.e. Four males (4) and ten (10) females.
 3. Three (3) participants completed Continued Development Training Programs i.e. two (2) males and one female (1).
- Increased access for women to senior fisheries and marine sector positions a total of twenty-one (6) women have had access to higher roles and responsibilities in the marine/fisheries sector as a result of TVET/CPD training courses in this reporting period.
- Improved access to fisheries and marine education and training that is focused on the identified needs of communities and nation states. The following is a list of trainings that was supported by the PEUMP project in the remaining 4 months of Year 5:
 1. Micro-Qualification in Maintaining Seafood Safety and Quality in Tuvalu 8 – 15 May 2023 – 15 participants (8M, 7F).
 2. eDNA training and awareness to Funafuti Island Council rep and Fisheries Department Officer, 6th May 2023 - 7M participants; Cook Islands 1F participant.
 3. Money-minded Financial Literacy Program i. Rewa, 15th March 2023 – 30 participants (21F, 9M) ii. Salevukoso Village, Druadrua Island, 27th March 2023 – 30 participants (10M, 20F) iii. Koroinasolo Village 31st May 2023 – 30 participants (13M, 17F).
 4. Awareness of research results on Fisheries Commodities i. Shark & Ray – Salevuko Village, 28th March, 2023 – 30 participants (10M, 20F) ii. Octopus– Koroinasolo Village, 1st June 2023 – 30 participants (13M, 17F).
- Increased in-region capacity developed and decreased need for experts from outside the region. In this reporting period, the project has benefited one hundred and seventy-three (173) participants who completed Continued Development Training Programs i.e. seventy (70) men and one hundred and three women (103).
- More local businesses. Tracer Surveys were continually followed up in this period to verify whether the Continued Professional Development trainings such as the Micro-qualifications in Establishing a Seafood Business and Micro-Qualifications in Seafood Safety have increased the number of local businesses in the Pacific Islands. Results of these tracer surveys will be collected and reported in Year 6.

- The USP PEUMP Project continued to provide support the four (4) PhD students in the following research areas:
 1. Impact of Climate Change on ecological connectivity of Coastal Ecosystems.
 2. Applying biomarkers for monitoring the effects of pollution in the marine environment in Viti Levu, Fiji.
 3. Tuna fisheries management in a remote sensing environment.
 4. Shifting Baselines in Fiji's Marine and Inland Fisheries – A study of the significance in including Traditional Ecological Knowledge (TEK).
- Publications by USP PEUMP student and staff researchers in this reporting period are as follows:
 1. Qi no tu i baba ni qwali (living down by the river): Impacts of flooding and mining on ecosystems and livelihoods (Frontiers in Marine Science).
 2. Conservation status and cultural values of sea turtles leading to (in) written parallel management systems in Fiji (Ambio).
 3. Marine Resources and their Value in Kadavu, Fiji (Ambio).
 4. Fisherwomen's Indigenous and local knowledge - the hidden gems for the management of marine and freshwater resources in Fiji (Frontiers in Marine Science).

3.8. Cross-cutting issues: Gender, Human Rights, and Poverty Reduction

The accomplishments of PEUMP during Year 5 led SPC Programme Management Unit (PMU) on the gender, human rights and poverty reduction cross-cutting component are summarized hereunder.

- PEUMP supported the Study on Gender-Based Violence (GBV) in capture fisheries published in Fish and Fisheries exploring the relevance of GBV for fisheries practitioners
- Special session on gender dimensions in Community-Based Fisheries Management (CBFM) in the Pacific at the 8th Global Conference in Aquaculture and Fisheries (GAF) Conference in Kochi, India. A woman fisher from a remote community in Vanua Levu (Fiji) shared her story as a community advocate/champion as a mud crab fisher and advocate for sustainable management and women's engagement in local decision making. The special session was well received with broad local media coverage.
- SPC Handbook for HR/GESI in tuna industries published in March 2023 with widespread stakeholder consultations from regional and national organisations from the public, civil society and industry sphere. The handbook and all standalone modules can be downloaded at <https://coastfish.spc.int/en/component/content/article/44-handbooks-a-manuals/542-pacific-handbook-for-gender-equity-and-social-inclusion-in-tuna-industries>.
- Provided support to the first regional dialogue on human dimensions in tuna fisheries led by FFA. A total of 38 (28 female/10 male) participated with representation from Fiji, Samoa, Vanuatu, Nauru, Solomon Islands, PNG, Kiribati, Tonga, Tuvalu from national fisheries agencies and companies (around 5 private sector reps) and regional reps from FFA/SPC and CSOs (WWF and CI). Purpose of the dialogue was to draw attention to the links between human rights, gender equality and social inclusion in tuna fisheries and how these matter for all Pacific islanders' wellbeing and development. Conducted a 3-day GESI training for FAME CFP including an EU funded Protégé project staff (GESI focal) and a rep from SPC's Integrated Programming Unit. In total, 33 staff attended (20 female/13 male). The training was designed as a refresher based on the first GESI training in 2019 taking into account lessons and feedback.
- Supported the GESI/HRBA mainstreaming process for the USP-KRA6 Micro-qualification course development as a member of the Industry Programmes Advisory Committee (IPAC) for two courses: (1) CBFM and (2) Value-chain analysis (VCA).
- Provided support to conduct two community consultations in (1) Munda and (2) Noro Solomon Islands, Western Province. The purpose of the consultations was to identify key GESI issues that communities self-identify with regards to management, livelihoods, decision making, food security and other related themes most relevant for the community level. In Munda 27 community representatives attended (12 female, 15 male with youth reps included). In Noro 22 participants attended (6 female, 16 male including youth reps).

- The RMI gender and fisheries analysis report (<https://purl.org/spc/digilib/doc/hxtiy>) was published in March 2023 and launched on 14th April 2023 in-country. The RMI gender and fisheries analysis report was launched by the Hon. Minister for Natural Resources - John Silk. Prior to the launch, a 2-day training was conducted on 12th-13th April for Marshall Islands Marine Resources Authority (MIMRA staff).

4 OTHER INTERVENTIONS FUNDED BY THE EU RELATED TO OCEAN GOVERNANCE IN THE WESTERN AND CENTRAL PACIFIC OCEAN

Project Name	Description	Amount EU Contribution	Status
Biodiversity and Protected Area Management – BIOPAMA II	To overall objective is to contribute to improving the long-term conservation and sustainable use of biodiversity and natural resources in ACP regions in protected areas and surrounding communities through better use and monitoring of information and capacity development on management and governance.	EUR 1.3 M Pacific component	On-going though SPREP and IUCN
Pacific Biodiversity and Sustainable Land - Seascapes - Pacific BioScapes	The overall objective is to contribute to the sustainable development of Pacific SIDS and coastal countries while contributing to the implementation of the SAMOA Pathway by supporting and improving the management and sustainable use of coastal and marine resources.	EUR 12 M Pacific component	On-going through SPREP
FISH4ACP: Sustainable development of fisheries and aquaculture value chains in ACP countries	The overall objective is that sustainable fisheries and aquaculture value chains contribute to economic growth, decent jobs creation, food and nutrition security in ACP countries.	EUR 3 M RMI value chain selected for support in the Pacific	Ongoing through FAO
“Kiwa initiative” Pacific Initiative on Biodiversity, Climate Change, and Resilience	The overall objective is to make pacific island ecosystems, economies and communities more resilient to the impacts of climate change.	EUR 13.9 M (total of 41 M) (+ EUR 6 M in negotiation)	Ongoing through the AFD
Global Climate Change Alliance (GCCA+) initiative for climate adaptation and resilience building in Samoa	The overall objective is to promote the sustainable use of Samoa's marine resources while increasing climate resilience of local communities through ecosystem-based adaptation (EbA) and the development of a Marine Spatial Planning (MSP)	EUR 1.144 M	On-going through IUCN
Intra-ACP Climate Services and Related Applications	The overall goal of this Action is to support the climate information services value chain with technical and financial assistance, infrastructure and capacity building in ACP countries	EUR 9 M	Ongoing through SPREP
Pacific Solutions: Integrated Ocean Management PSIOM	The Overall Objective of this action is to strengthen ocean governance and support the development of National Ocean Policies	EUR 1.5 M (total 1.8 M)	Ongoing with SPC
Strengthening Pacific Intra-Regional and International Trade (SPIRIT)	The overall objective is to support Pacific States in developing their trade policy and capacities and to strengthen economic regional integration in order to better benefit from international trade.	EUR 5.75 M	Ongoing with the Pacific Island Forum
Support to Pacific Island Countries on the ratification and implementation of the BBNJ Treaty	The overall objective is to provide Pacific Island Countries legal and technical support in the ratification and implementation process of the BBNJ Treaty	EUR 115,000	Under discussion with OPOC/PIFS
EU Contribution in the area of Ocean Governance (excluding PEUMP)		EUR 75.115 M	
Total EU Contribution in the area of Ocean Governance		EUR 120.115 M	