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## **12<sup>th</sup> MEETING OF THE SCIENTIFIC COMMITTEE**

*30 September to 05 October 2024, Lima, Peru*

### **SC12 – WP 02**

### **2025 Scientific Committee Multiannual Workplan**

*(Word version for updating during SC12)*

*Secretariat*

## **1. Introduction**

The SPRFMO Scientific Committee Multiannual Workplan contains the activities, timelines, and funding priorities for the short and medium-term work of the Scientific Committee. It is an instrument of cyclic synergy between the Scientific Committee and the Commission and serves as a reference for the work of the Scientific Committee throughout the year and is endorsed annually by the Commission.

A proposed multiannual workplan is prepared by the Scientific Committee during its meeting and included as an annex within the SC meeting report. It is then submitted to the Commission as a meeting document for consideration, amended wherever necessary, and ultimately adopted. The workplan adopted by the Commission is then published as a standalone Annex to the meeting report and guides the current and future work of the Scientific Committee.

The following tables associated each identified task with an expected timeline, coordinator and funding source. The year is associated with the Scientific Committee meeting at which the work is expected to be reported back on. In some cases, the work is expected to be repeated over several years, and this is indicated with a plus (+) sign or a range. The column labelled “Coordinator” identifies the Member(s) (or in some cases the Secretariat or Chairperson) who has specifically been assigned to ensure that progress towards the task is made intersessionally. In some cases, no Member has been specifically identified and this is indicated with a blank, in that case, it is a task for the whole SC to address. The amount of additional funding required is identified as well as funding sources (such as the SC Scientific Support Fund or a Member voluntary contribution) if known. A notation of “In-kind” signifies that the work will be conducted by Members and that no additional funding is expected to be required.

The SC is asked to:

- **Revise and update** this document as necessary.
  - *This involves updating years, removing tasks that have been achieved, and adding new tasks that encourage and promote cooperation in scientific research and/or have been identified as work that is needed to support advice and recommendations to the Commission.*
  - *Traditionally, updating of each section is led by the related Working Group Chairperson, with additional consideration for the “cross-cutting” tasks.*



## 2. Jack Mackerel Working Group

| Jack Mackerel            | Task  | Subtask  | Timeline  | Coordinator          | Funding   |
|--------------------------|---|--|-----------|----------------------|---|
| Jack mackerel assessment |   | Review available input data and its quality for the JM assessment  | 2025      | Chile/EU             | In-kind   |
|                          |   | Continue to update and compare standardizations of commercial tuning indices among different fleets and the impacts of increased efficiency in the fleets  | 2025      | Chile, Peru, EU      | In-kind   |
|                          |   | SC and other funds to support experts during SC assessment   | 2025+     | SC Chair Secretariat | NZ\$ 15K<br>( <del>SC spent for 2025</del> 4)   |
|                          |   | Provide TAC advice according to Commission request ( <del>based on the updated assessment and MSE results</del> )  | 2025      | SC                   | In-kind   |
|                          |   | <del>Evaluate the impact on stock status in the short and medium term based on deterministic projections of the jjm model.</del>   | 2024      | SC                   | In-kind   |
|                          |   | <del>Development of projection software for the jjm model to support catch scenario evaluation.</del>  | 2024+     | EU                   | In-kind   |
|                          |   | Update and compare standardizations of commercial tuning indices among different fleets and review the potential bias in CPUE indices due to possible increased efficiency of the fleet and observed changes in the jack mackerel spatial distribution (benchmark)   | 2025+     | Chile                | In-kind   |
|                          | <del>Develop protocol for inclusion of acoustic data in the JM assessment (benchmark)</del> | 2025+  | Chile     | In-kind              |   |
|                          |   | <u>Organise a benchmark data workshop (1) for JM to compile relevant stock indicators such as CPUE, fisheries independent surveys and opportunistic acoustic survey data to be followed by a benchmark workshop (2) to address model configuration</u>   | 2025-2026 |                      | <u>24 k CHL for Workshop arrangements</u><br><br><u>NZ\$ 30K SC fund for external reviewers and Sec</u> |
| Jack mackerel MSE        |   | MSE workshop at COMM123 with stakeholders and managers to present outcomes and receive feedback on future developments   | 20254     | ECU                  | <u>In-kind</u><br><u>*New EU project from Aug 2024*</u>   |
|                          |   | <del>Develop and carry out an MSE (see COMM8 Report Annex 8b). This shall include revising the operating model to be consistent with the assessment developed during the 2022 benchmark workshop. Initial management procedures (MPs) will be developed to accommodate some desired management settings (e.g., paragraphs 80, 102, 118 COMM8 Report; including carryover).</del> | 20234+    | EU                   | <u>NZ\$ 60153k (EU spent)</u><br><u>*New EU project from Aug 2024*</u>                                  |



| Task  | Subtask  | Timeline       | Coordinator       | Funding  |
|---|--|----------------|-------------------|--|
| Jack Mackerel   |  |                |                   |  |
| Jack mackerel connectivity research                         | In collaboration with the <del>Habitat Monitoring Ecosystem Working Group</del> , use SDMs to predict seasonal distribution patterns of JM over time   | 2025           | EU / Chile / Peru | In kind  |
|   | Organise two in-person workshops to:<br>a. Identify key practical requirements and considerations for sampling approaches for progressing work on the identified priority topics (Genetics, Tagging methods, Early stages & Reproduction) <u>including outlining possible iterative/annual changes to sampling design.</u><br>a. Identifies key hypotheses on connectivity and a description of how these hypotheses could be tested using the priority topics. Describe an approach for considering evidence.<br>3. Produce workshop reports and outputs to inform the development of a sampling and research programme | 2025/2026      | EU / Chile / Peru | Coordination: \$6,000 NZD<br><br>Research funding from the SC \$40,000 NZD                       |
|   | <del>Workshop to Design and undertake</del> a sampling and research programme <u>(including data analysis and reporting) that provides a clear plan for collecting data</u> across the 4 combined identified high priority topics <i>Genetics, Tagging methods and Reproduction / Early Stages</i> , to evidence jack mackerel connectivity.   | 2026 - 2032    | EU / Chile / Peru | Funding from the SC \$75,000 NZD / year<br>Matched in-kind funding & seeking of industry funding |
|   | <del>Organize a w</del> Workshop to <del>(1) establish an age reading protocol for jack mackerel otoliths and (2) perform otolith age readings consistency tests for national age readers on the basis of a reference se evaluate methodologies for implementation in age readings in otoliths of jack mackerel (T. murphyi) among the age and growth laboratories of the SPRFMO.</del>  | 2025+<br>2024+ | Chile, Peru       | NZ\$ 15k In-kind<br>(EU ends Oct 2024)   |
| Jack mackerel ageing techniques                             |  |                |                   |  |
| Jack and chub mackerel habitat and impact of climate change | Analyse the spatial distribution of jack mackerel and chub mackerel, showing its relationship with the environment and impacts of climate change to changes in its distribution  | 2024+          | Chile, Peru       | In kind  |
| Chub mackerel   | Organize a data compilation workshop to compile an overview on catch, catch distribution, mixing densities in the JM fishery, life history characteristics and independent survey estimates on chub mackerel<br><del>Compile available catch, effort and biological sampling data to support the development of stock assessment models for Chub mackerel</del>  | 2025+<br>2024+ | Peru, Chile       | In kind<br>Funding from the SC \$45,000 NZD<br><br>*New EU project from Aug 2024*                |



### 4.3. Deepwater Working Group

| Deepwater group                                       |   |                                   |               |                                |
|---|---|-----------------------------------|---------------|--------------------------------|
| Task  | Subtask   | Timeline                          | Coord.        | Funding                        |
| Orange roughy assessment                              | <ul style="list-style-type: none"> <li>Explore alternative stock assessment models</li> <li>Estimate stock status</li> <li>Provide advice on sustainable catch levels</li> </ul>  | 2025 <sub>±</sub>                 | NZ            | In-kind                        |
| Orange roughy assessment data                         | Coordinate and design acoustic surveys for relevant stocks ( <i>intersessional consideration</i> )  | 2025 <sub>4</sub> +               | NZ            | In-kind                        |
| Deep water stock structure                            | Review the list for deepwater stock structure analyses based on assessment for non-orange roughy stocks   | 2025 <sub>±</sub>                 |               | In-kind                        |
|   | Develop workplan to drive stock structure delineation studies for orange roughy and alfonsino and other key target species  | 2025 <sub>4</sub> +               | NZ            | In-kind                        |
| Other stock assessments, & ecological risk assessment | Review the risk assessment of teleost and elasmobranch species considering new available information and methods  | 2024 <sub>5</sub>                 | AU            | In-kind                        |
|   | Develop a tier-based assessment framework for all DW stocks and recommend relevant reference points and/or management rules for these stocks  | 2025 <sub>4</sub> +               | AU            | In-kind                        |
| VME Encounters and benthic bycatch                    | Develop VME taxa ID guide for benthic bycatch, following the steps proposed in SC9-DW12, and associated training videos   | 2025 <sub>4</sub> +               | NZ            | In-kind                        |
|   | <del>Development of a process to review all recent and historical benthic bycatch data to determine the ongoing effectiveness of the spatial management measures. Further investigations are required to establish whether bioregions may provide an additional spatial scale for evaluating the performance of spatial management measures</del> | <del>2024</del> 2025 <sub>+</sub> | <del>NZ</del> | <del>In-kind</del><br>In-kind  |
|   | Assess the feasibility and develop a research programme within the SPRFMO Convention Area to allow the determination of taxon-specific estimates of catchability for VME indicator taxa.  | 2025 <sub>4</sub> +               | NZ            | In-kind                        |
| CMM 03 request regarding Encounters with VMEs         | Developing a multi-spatial scale risk-based approach to assess encounters with VME indicator taxa   | 2024 <sub>5</sub> +               | NZ            | In-kind                        |
|   | <del>Develop an encounter review standard</del>   | <del>2024</del>                   | <del>NZ</del> |                                |
|   | Review all reported VME encounters  | 2024 <sub>5</sub> +               | DWWG          | In-kind                        |
| CMM 03 request regarding ongoing appropriateness      | Review all available data and provide advice on the ongoing appropriateness of the management measures to ensure the CMM continues to achieve its objective and the objectives of the Convention  | 2025 <sub>4</sub> +               | DWWG          | In-kind                        |
| Bottom Fishery Impact Assessment                      | <del>Explore thresholds for “significant” adverse impact (SAI) for VMEs at different spatial scales, and understanding knowledge gaps and uncertainties</del>   | <del>2024</del>                   | <del>NZ</del> | <del>NZ\$ 74K (EU spent)</del> |
|   | The Scientific Committee shall review, and update if required, the SPRFMO BFIAS every 5 years, to ensure that it reflects, as appropriate, best practice. Standing item   | 2025                              | DWWG          | In kind                        |



| Deepwater group   |   |   |                     |                 |
|---|---|---|---------------------|-----------------|
| Task  | Subtask   | Timeline                                  | Coord.              | Funding         |
|   | For VME taxa potentially at risk of SAI, improve and validate abundance models for VME taxa, using independent data   | 2024 <del>5</del> <sup>+</sup>            | NZ                  |                 |
|   | With a focus on VME Indicator taxa potentially at risk of SAI currently estimated to be most impacted by fishing, work to reduce uncertainties in risk assessments for benthic habitats and VMEs by exploring: <ul style="list-style-type: none"> <li>the overlap between the spatial distribution of bottom trawling fishing impact (i.e., the 'naturalness layer') and abundance estimates of VME indicator taxa [potentially at multiple spatial scales, including Management Areas] Contingent on previous task</li> </ul>      | 2024 <del>5</del> <sup>++</sup>           | NZ                  | In kind         |
|   | Complete Cumulative BFIA. Standing item   | 2026                                      | AU/NZ               |                 |
|   | Update the quantitative benthic impact assessment for the 2023 BFIA, derive an SAI threshold from an empirical study tailored to the dRBS approach  | 2024 <del>2025</del> <sup>+</sup>         | AU/NZ <del>NZ</del> | In-kind<br>kind |
| CMM 03 request regarding Marine mammals, seabirds, reptiles and other species of concern. | The Scientific Committee shall provide advice biennially to the Commission on: <ul style="list-style-type: none"> <li>Direct and indirect interactions between bottom fishing and marine mammals, seabirds, reptiles and other species of concern;</li> <li>Any recommended spatial or temporal closures or spatially/temporally limited gear prohibitions for any identified hotspots of these species; and</li> <li>Any recommended bycatch limits and/or measures for an encounter protocol for any of these species.</li> </ul> | 2024<br><br>2026<br><br>2028 <del>6</del> | AU/NZ               | In-kind         |



## 5.4. Squid Working Group

| Squid | Task                                       | Subtask   | Timeline             | Coordinator               | Funding  |
|-------|--|---|----------------------|---------------------------|--|
|       | Squid workshop                             | Squid Workshop including potential assessment techniques, <del>and</del> abundance indices <u>and simulated assessment</u> ; to be held <u>in person-virtually intersessionally</u>   | 2025 <del>4</del>    | SQWG Chair/ Secretariat   | <del>NZ\$ 10K (SC partially spent)</del><br>TBD (2025) |
|       | Squid assessment and CMM development       | Develop a plan for more detailed within-season fishery Monitoring depending upon the uptake of EM, etc.   | 2025 <del>4</del>    | SQ WG                     | In-kind  |
|       | Squid assessment and CMM development       | Form a task team to conduct simulation and model evaluations for squid stock assessments  | 2024-25              | <del>SQ WG</del> SC Chair | In-kind  |
|       |  | Design and evaluate MSE and harvest control rules   | 2026+                | SQ WG                     | In-kind  |
|       | <del>Standardise biological sampling</del> | <del>Identify where protocols differ, e.g., type of sampling, areas and timing of sampling, ageing</del>  | <del>2024</del>      | Peru, Chile               | In-kind  |
|       | <del>Observer Coverage</del>               | Provide advice on the appropriate level of observer coverage in the jumbo flying squid fishery  | <del>2024+2026</del> | <del>SQ WG</del>          | In-kind  |
|       | Squid assessment data                      | <del>Revise data template to sufficient detail and create scripts and data repository to allow assessment methods to be used. This should also allow future higher resolution approaches (e.g., depletion estimator by phenotype) to be conducted</del><br><u>Develop template for monthly data, including catch, effort and CPUE</u> | 2025 <del>4</del>    | <del>SQ WG</del>          | In-kind  |
|       |  | <u>Develop a template for biological data, including time, location, length, weight and maturity stage</u>  | <u>2025</u>          | <u>SQ WG?</u>             | <u>In-kind</u>   |
|       |  | <u>Protocol for data submission and templates management</u>  | <u>2025</u>          | <u>SQ WG?</u>             | <u>In-kind</u>   |
|       | Squid connectivity                         | Collect <del>and analyse</del> samples for population genomic studies (Convention area and adjacent National Jurisdiction Areas)  | 2024-25              |                           | NZ\$ 97K (CHN)   |
|       |  | <u>DNA Sequencing using lcWGS, <del>analysing for population genomics analysis</del></u>  | <u>2026+</u>         |                           | <u>In-kind</u>   |
|       |  | <del>Register DNA sequences in public DNA database (GenBank), considering a list of metadata related to samples analysed (using the template in the SC9 Report).</del>  | <del>2024</del>      |                           | <del>In-kind</del>                                     |
|       |  | Provide a single report describing the genetic diversity based on mtDNA ND2 gene marker, integrating data from all members and include a review of the existing protocol  | 2024 <del>5</del>    |                           | In-kind  |



| Squid |   |          |             |         |
|-------|---|----------|-------------|---------|
| Task  | Subtask   | Timeline | Coordinator | Funding |
|       | <del>Reaching an updated agreement on consistent approaches to population genomic analyses (SNPs) for jumbo flying squid and provide a report describing the population genomics structure.</del> | 2024+    |             | In-kind |

### 6.5. Habitat Monitoring Ecosystems Working Group

| Habitat Monitoring  |  |                                |                          |         |
|---|--|--------------------------------|--------------------------|---------|
| Task  | Objective  | Timeline                       | Coordinator              | Funding |
| Evaluate the applicability of data collected from fishing vessels targeting pelagic species | Mapping spatial-temporal population density distribution of jack mackerel using a combination of the existing acoustic survey data and acoustic information as obtained from industry vessels  | Permanent                      | Peru/Chile               | In-kind |
|   | <del>Subgroup of specialists to evaluate advantages and biases of analysis methods</del> <i>Workshop to be virtually conducted</i> <u>To provide acoustic indices from fishing vessels for consideration in the data and stock assessment benchmarks of jack mackerel and chub mackerel</u>  | 2025 <del>4</del>              | Peru/Chile               | In-kind |
|   | <del>Subgroup of specialists to organise classification of fishing fleets and develop an inventory of technologies available aboard fishing vessels in order to identify the potential to collect data using the technologies currently being deployed</del> <i>Workshop to be virtually conducted</i> <u>To assess the feasibility of developing a regional integrated index based on acoustic surveys to inform the jack mackerel stock assessment</u> | 2025 <del>4</del>              | Peru/Chile               | In-kind |
| Further developments of standardised oceanographic data products and modelling              | Characterise jack mackerel habitat (e.g., past studies done in Peru and Chile)   | <del>2024</del> Permanent      | Peru/Chile               | In-kind |
|   | Provide ecosystem status overview for SC at seasonal to decadal scale  | 2024 <del>5</del> <sup>+</sup> | Peru/Chile               | In-kind |
|   | Explore the concept of jack mackerel habitat under an interdisciplinary ontogeny approach for jack mackerel and other species (by life history stages and regions) <i>Workshop to be virtually conducted in synergy with the JM connectivity Task Group.</i>   | 2024 <del>5</del>              | Peru/Chile               | In-kind |
|   | Integration of databases provided by different members of the HMWG and other working groups of the SC with linkage to a metadata repository  | 2024 <del>5</del> <sup>+</sup> | Peru/Chile               | In-kind |
|   | <del>Development an inventory of available climate-related data and models applicable for SPRFMO fisheries and identifies any gaps.</del>  | 2024 <del>+</del>              | <del>US/Chile/Peru</del> |         |
| Species behaviour and preferences   | Analyse the habitat preferences of jumbo squid <del>and jack mackerel, noting the useful data and analyses provided by Peru and Chile</del>  | 2024 <del>5</del> <sup>+</sup> | Peru/Chile               | In-kind |



| Habitat Monitoring |   |                           |                              |  |
|--------------------|---|---------------------------|------------------------------|--|
| Task               | Objective   | Timeline                  | Coordinator                  | Funding  |
|                    | <u>Habitat suitability modelling of jack mackerel</u>   | 2024+                     | Peru/Chile                   | In-kind  |
|                    | <u>Incorporate</u> Analyse behaviour, distribution, and abundance information about mesopelagic, euphausiids and other key species of the Humboldt Current System   | 2024 <sup>5</sup> +       | Peru/Chile                   | In-kind  |
| Use of new Tools   | Develop new approaches based on different tools such as GAM, GLM, INLA, ROMS, eADN, Biogeochemical, Geostatistics, big data and machine learning (e.g., for acoustic classification of targets) and utilization of different platforms (Scientific surveys, fishing vessels, satellite oceanography, gliders, buoys, AUV)   | Permanent                 | Peru/Chile                   | In-kind  |
| Symposium          | <del>Symposium on Habitat Monitoring organised after the 2023 meeting of the Commission to review the state of the art of habitat research in order to recommend specific lines of investigation in this topic within the framework of the SPRFMO</del><br><u>Publish in a special volume in a journal. Symposium on State of the Art of Habitat Monitoring (2023, Concepción, Chile).</u><br><u>Publication of an Special Issue of Scientific Journal.</u> | <del>2023-2024</del> 2025 | Symposium Steering Committee | <del>NZ\$ 63k (SC Spent)</del><br>USNZ\$ 25k15k (US) (USA-Spent/Committed) |
| Modelling          | <u>Analysis and modelling of the spatial distribution and habitat preferences of jack mackerel and chub mackerel, showing its relationship with the environment and impacts of climate change to changes in its distribution.</u>   | 2025                      | EcoHMAWG Chair               | In-kind  |

## 7.6. Other (Crosscutting issues)

| Crosscutting               |   |                     |        |         |
|----------------------------|---|---------------------|--------|---------|
| Task                       | Subtask   | Timeline            | Coord. | Funding |
| Seabird/bycatch monitoring | Progress southern hemisphere quantitative risk assessment (SEFRA)   | 2024 <sup>5</sup> + |        | In-kind |
| Seabird bycatch mitigation | Convene a workshop to prioritize and draft amendments to CMMs 02 and 09 based on the review carried out by ACAP and the best-practice advice provided (SC11-Obs04)  | 2024 <sup>5</sup> + | NZ/PER | In-kind |
| EBSA                       | Evaluate impacts of fishing activities  | 2024 <sup>5</sup> + |        | In-kind |
| CMM 17 Marine pollution    | SC Members and CNCPs are encouraged to undertake research into marine pollution related to fisheries in the SPRFMO Convention Area to further develop and refine measures to reduce marine pollution and are encouraged to submit to the SC and the CTC any information derived from such efforts | 2024 <sup>5</sup> + |        | In-kind |
| Climate change             | Identify management implications of climate change on habitat and fisheries in the SPRFMO area (Decision 13-2023)   | 2024+               | USA    | In-kind |





| Crosscutting  |  |                             |                          |                                 |
|---|--|-----------------------------|--------------------------|---------------------------------|
| Task  | Subtask  | Timeline                    | Coord.                   | Funding                         |
|   | <a href="#">Form a task team to identify ways in which climate change limits the advice SC currently provides and propose work to address those limitations.</a>   | 2025                        | Peru                     | In-kind                         |
|   | <del>Development of a database of</del> <a href="#">Compile, review and assess</a> climate-related data, reanalysis and models <del>applicable-needed</del> for SPRFMO research, including climate change scenarios; identifying any gaps and limitations.   | 2025                        | Secretariat/<br>SC Chair | NZ\$ ~<br>19.7k<br>(SC<br>2024) |
| CMM 02-2020 Data Standards                          | Review and update data standards to ensure appropriate scientific data are collected in SPRFMO fisheries (Paragraph 8 of CMM 02-2020)  | 2024+                       |                          | In-kind                         |
| FAO ABNJ Deep Sea Fisheries                         | Coordinate activities over their next five-year plan that could involve member scientists and a number of SPRFMO science projects  | 2024+                       | Secretariat              | In-kind                         |
| Alignment   | Work involving the alignment of Deepwater and <a href="#">Habitat Monitoring Ecosystem</a> workstreams   | 2024+                       |                          | In-kind                         |
| Species synopses                                    | To update long version profiles (FAO species synopsis format) for jack mackerel, chub mackerel and jumbo flying squid  | 2024+                       |                          |                                 |
| Research in the Nazca and Salas y Gomez ridges area | <del>Research cruises aimed to know the bio-oceanographic and meteorologic characteristics of Salas y Gomez ridge; as well as biodiversity, current circulation, morphology and geology of sea bottom.</del><br><a href="#">Publication of a review of the oceanography, geology, biodiversity, ecology, importance, connectivity, threats, fishing importance, governance and conservation of the Salas y Gomez and Nazca Ridges.</a> | <del>2023–</del><br>2024–25 | Chile                    | In-kind                         |
|   | <a href="#">Climate change impacts of fisheries in Salas y Gomez and Nazca ridges Analysis, systematization, reporting and publishing data gathered to the Salas y Gomez and Nazca Ridges.</a>   | 2024–25                     | Chile                    | In-kind                         |
|   | <del>Expedition to Salas y Gomez and Nazca aboard oceanographic research vessel</del>  | 2024–2025                   | Chile                    | In-kind                         |
|   | <a href="#">Form a task team to review and discuss the data and recommend present a future possible measures by to SC13.</a>   | 2025                        | USA                      | In-kind                         |
| Data Working Group                                  | <a href="#">Create terms of reference and Prioritise prioritization for</a> data needs of Members (SC10 report).<br><a href="#">Provide input to the Secretariat in developing improved data management infrastructure including databases, data repositories and data processing tools</a>  | 20245+                      | DWG                      | In-kind                         |
| CPPS joint work plan                                | Increase cooperation and collaboration between both organisations. <del>as envisioned under the existing MoU (SC10 report)</del>   | 20245+                      | Secretariat              | In-kind                         |
|   | <a href="#">Update existing MoU</a>  | 2025                        | Secretariat              |                                 |
| Secretariat scientific support                      | Continue with analyses of catch composition and fishing activities; support CPUE analyses; and general scientific analyses, as capacity allows.  | 20245+                      | Secretariat              | In-kind                         |



| Crosscutting                   |  |                      |                          |                         |
|--------------------------------|--|----------------------|--------------------------|-------------------------|
| Task                           | Subtask  | Timeline             | Coord.                   | Funding                 |
| Assessment and monitoring      | Development of assessments for species in the SPRFMO Convention Area that are bycaught or subject to targeted fishing operations (in line with tier-based assessment approach) | 2024 <sup>45</sup> + |                          | In-kind                 |
| <a href="#">SC functioning</a> | <a href="#">Development of terms of reference for all WG</a>   | <a href="#">2025</a> | <a href="#">SC Chair</a> | <a href="#">In kind</a> |