



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR MARITIME AFFAIRS AND FISHERIES
INTERNATIONAL AFFAIRS AND MARKETS

Reference Grant: SI2.8337681

Title

**“SIOFA-2020-2022 Support to SIOFA Scientific Work on key stocks,
ecosystems, and data”**

Directorate Maritime Affairs and Fisheries

Final Report

Project duration: from 1 December 2020 to 31 October 2023 (after an extension request)

Original project duration: from 1 December 2020 to 30 April 2023

Date of report submission: 31 November 2023

Version: -

Beneficiary

(or coordinator organisation in case of multiple beneficiaries):

SOUTHERN INDIAN OCEAN FISHERIES AGREEMENT

Project coordinator name and title: Thierry CLOT - Executive Secretary

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DECLARATION BY THE PROJECT MANAGER

I, **Alistair DUNN**, Chairperson of the SIOFA Scientific Committee and Project Manager of the “**SIOFA-2020-2022 Support to SIOFA Scientific Work on key stocks, ecosystems, and data**” hereby confirm that:

- This final report represents an accurate description of the work carried out in this project;
- The project:
 - () has fully achieved its objectives and technical goals;
 - (**X**) has achieved most of its objectives and technical goals with relatively minor deviations;
 - () has failed to achieve critical objectives.
- To the best of my knowledge, the financial statements submitted as part of this report are in line with the actual work carried out and are consistent with the report on the resources used for the project and - if applicable - with the certificate on financial statement.

29 November 2023

A handwritten signature in black ink, appearing to read 'A. Dunn', with a horizontal line extending to the right.

DECLARATION BY THE PROJECT COORDINATOR¹

I, **Thierry CLOT**, Executive Secretary of SIOFA and coordinator of the project “**SIOFA-2020-2022 Support to SIOFA Scientific Work on key stocks, ecosystems, and data**” hereby confirm that:

- This final report represents an accurate description of the work carried out in this project;
- The project:
 - () has fully achieved its objectives and technical goals;
 - (**X**) has achieved most of its objectives and technical goals with relatively minor deviations;
 - () has failed to achieve critical objectives.
- To the best of my knowledge, the financial statements submitted as part of this report are in line with the actual work carried out and are consistent with the report on the resources used for the project and - if applicable - with the certificate on financial statement.

Date and Signature

¹ By "project coordinator" shall be understood the person responsible for the work to be performed under this grant. If different from the person who signed the Grant Agreement representing "the beneficiary" (or "the coordinator" in case of multiple beneficiaries), a formal letter must accompany this report, in which the latter authorises the project coordinator to report on behalf of the beneficiary or beneficiaries.

1. FINAL SUMMARY REPORT

This is a comprehensive summary overview of results, conclusions and expected impacts of the project. The report shall be formatted to be printed as a stand-alone document. Please ensure that it:

- Fits in the space provided in this page;
- Is comprehensive, and describes the work carried out to achieve the project's objectives, its main results and conclusions. Please mention the target groups (such as policy makers or sectors of the civil society) for whom the project results could be relevant.

The Southern Indian Ocean Fisheries Agreement (SIOFA) has several responsibilities regarding the fisheries and the fishing area under its mandate. This grant provided by EU provided a significant support to its Scientific Committee and enabled to achieve several results relevant to the stock assessment and management of the main species of its fisheries, knowledge and protection of the ecosystems, and in particular the deep-sea vulnerable marine ecosystems. Other results are also improved knowledge of the incidental bycatch of birds and marine mammals, the better visibility of SIOFA and its available data through its website, and the structuration of its scientific workplan.

Several external specialist consultants were recruited to achieve the various objectives set in this project agreement, the specific objectives were organised in projects or tasks. Each of those were coded by an acronym. The work of the consultants was closely monitored by the SIOFA Scientific Committee and the Secretariat, the interim and final reports were presented to the committee working groups and to the annual Scientific Committee meetings.

The Project addressed and brought improvement on 3 major themes: the SIOFA demersal captures fisheries, the ecosystems and gear interactions and data visibility.

The results of this project were presented to the main target groups: the SIOFA Scientific Committee (SC) and the SIOFA Meeting of the Parties (MoP). At each ordinary meeting a report from the Scientific Committee Meeting was presented and provided recommendations to the MoP, consisting of the stakeholders and the managers. The outputs of these meeting participated in the improvement and adjustment of several conservation measures.

The project was originally scheduled to run 29 months (twenty-nine months), starting on the 1st of December 2020 to the 30th of April 2023 (with a corresponding period for eligible costs). However, the Chairs of the SIOFA Scientific Committee have asked SIOFA Secretariat to request an extension of the planned project duration by 6 months in early 2023, due to delays affecting 2 out of 5 objectives. The request was granted and the overall project duration, was changed to 35 months (thirty-five months) with an end on the 31st of October 2023.

2. PROJECT OBJECTIVES

Please provide an overview of the project objectives, as included in Annex I of the Grant Agreement. If applicable, please refer to any recommendations or guidance received from the European Commission and indicate how these have been taken into account.

General Objective 1 (GO1): Support the assessment of the key target stocks (alfonsino, toothfish and orange roughy)

Specific Objective 1: Working towards improving the stock assessment of alfonsino. According to the SIOFA Scientific Committee (SC) future stock assessments for alfonsino should consider: potentially using tow-by-tow data, developing data catalogues to understand variables for effective standardisation work, improving future abundance estimation by applying acoustic data, conducting research towards better estimating M, clarifying time-area coverage, the complex behaviour of alfonsino, etc. A feasibility study of the cost-benefit of collecting acoustic data could be conducted.

Data Poor Stock management approaches should be also explored.

Specific Objective 2: Supporting toothfish related research.

Specific Objective 3: Addressing the main tasks related to orange roughy in the work plan concerning the stock structure, age frequency, target strength and data collection protocol.

Specific Objective 4: Saya de Malha bank fisheries.

General Objective 2 (GO2): Management of Vulnerable Marine Ecosystems (VMEs)

Specific objective 5: definition and implementation of robust methodologies for the mapping and protection of vulnerable marine ecosystems.

specific objective 6: the mitigation of possible impacts on associated and dependent species.

specific objective 7: Investigate possible habitat suitability modelling.

General Objective 3 (GO3): Management of others ecosystem components.

Specific Objective 8: Defining interactions with seabirds, mammals, bycatch species, etc.

General Objective 4 (GO4): Reinforcing the data collection, SIOFA data/base systems, and coding and data processes.

General Objective 5 (GO5): Making operational the Scientific Working Groups and Scientific Committee (SC) supporting and facilitating the external expertise needed for advancing on the SC multiannual WorkPlan.

To meet the objectives tasks were defined, and for each task a budget and a timeline were allocated. The terms of reference (ToR) of each task have been defined by the Scientific Committee Chairperson with the help of the SIOFA Scientific Committee and the Secretariat, when the task required the work of an external specialist, the ToR have been published on the website for a call for consultant. The consultants who applied have been evaluated by an advisory panel, and once a consultant has been selected, he/she has been formally contracted to undertake the relevant task. The ToRs and contracts are provided in the annexes of this report.

3. WORK PROGRESS AND ACHIEVEMENTS

Please provide a concise overview of the progress of the work in line with the structure of Annex I of the Grant Agreement. Deliverables and dissemination activities can be mentioned, but should be described in detail in section 4. Similarly, details related to the management of the project shall be further reported in section 5..

Please ensure that this section:

- **Contains a summary of progress explicitly compared to the objectives specified in section 2 above** providing, if applicable, details for each task as detailed in the agreed work plan (Annex I of the Grant Agreement);
- Highlights clearly significant results and outputs;
- If applicable, explains the reasons for deviations from Annex I, and explains the impact on other objectives/tasks as well as on available resources and planning;
- If applicable, explains the remedial actions that have been applied.

GO1: Support the assessment of the key target stocks (alfonsino, toothfish and orange roughy)

Progress vs Objectives:

This general objective encompassed many specific objectives addressed to 3 major species for SIOFA fisheries, and a requirement to investigate the fisheries in Saya De Malha, which is specific tropical and shallower fishing area. The specific objective set in this general objective have been realised.

- A. Regarding alfonsino, A stock structure study has been performed by consultant (SER2022-BYS1) and provided advice on appropriate management units to be used in future monitoring and stock assessments. Investigations on age, growth and lifespan using bomb radiocarbon has also been performed for the Indian Ocean (SER 2022-BYS2).
- B. For Patagonian toothfish, Genetic analysis have been performed to study the genetic stock genetic structure (SER2022-TOP1)
- C. For orange roughy, the acoustic data has been collated and checked (SER 2021-01). A biomass has been assessed in several relevant regions of the SIOFA area. Several new samples of otoliths have been aged to enrich and improved the age-frequency data (SER2021-02), and a stock structure analysis was conducted (SER2022-ORY1)
- D. Saya De Malha Bank fisheries. Although this fishery, does not apply to the 3 target stocks cited in this general objective, there was a need to document and understand the fisheries that occurs in this tropical and relatively shallow area. The main objectives regarding these fisheries have been split into 2 terms of references: ToR1, a scoping study to document and report on all information that is available from current and previous fishing and survey activities in this area. ToR2, an impact assessment of the SIOFA bottom trawl fisheries on VME indicator species and seagrass (SER2021-03).

Results:

Several reports have been produced by the consultants who worked on the specific works defined under this general objective. The reports have been presented to the SIOFA Scientific Committee. See deliverables in section 4.

A single report includes the stock structure study of both orange roughy and alfonsino (SER2022-BYS1 and SER2022-ORY1).

GO2: Management of Vulnerable Marine Ecosystems (VMEs)Progress vs Objectives:

This objective consists in the following specific tasks (coded PAE2021-01): The definition and implementation of robust methodologies for the mapping and protection of Vulnerable Marine Ecosystems within the SIOFA management area, the mitigation of possible impacts on associated and dependant species, and the investigation of possible habitat suitability modelling. This project also built upon a previously EU funded program for SIOFA: VME mapping (Grant Agreement SI2.815850). Specialist consultants have been hired to undertake the objectives which has been divided into 5 main terms of reference:

- 1: Building on ongoing VME mapping activities being undertaken by SIOFA, to undertake classification of key biological, geological, and oceanographic data to provide a spatial framework for classifying the area's marine environment into bioregions and, where possible, smaller spatial entities within bioregions, that make sense ecologically and are at a scale useful for regional planning.
- 2: As part of the bioregionalization work (ToR1), investigate and advise on the identification of representative protected areas within the SIOFA management area.
- 3: In support of ToR1, investigate and advise on the use of habitat suitability modelling in predicting benthic species diversity and distribution in the SIOFA management area, including assessing data availability for such modelling.
- 4: Investigate and advise on a holistic framework for assessing and preventing Significant Adverse Impacts (SAIs) on VMEs.
- 5: Identify and update existing and potential SAIs within the SIOFA management area, particularly those related to fishing activities.

All of the objectives were achieved during the project.

Results:

A comprehensive report has been provided by the consultants and presented to the SIOFA Scientific Committee. Methodologies used and digital outputs have been provided as digital files. See deliverables in section 4.

GO3: Management of others ecosystem components.Progress vs Objective:

This objective has been targeted to specific ecosystems' components that fishing may interact with, which include seabirds and mammals. An Ecological risk assessment for birds and mammals has been performed (project PAE 2021-02). The teleost ERA part has been undertaken by a SIOFA party and did not require a paid consultant for its development.

Results:

A comprehensive report has been provided by the consultant and presented to the SIOFA Scientific Committee. It is divided into 2 parts, the first part is a scoping study on the interaction of seabirds and mammals with fishing activities, and the second part undertake and ecological risk assessment of these species. See deliverables in section 4

GO4: Reinforcing the data collection, SIOFA data/base systems, and coding and data processes.Progress vs Objective:

The data collection in SIOFA is well defined and is driven by SIOFA CMMs, this project (SEC2022-DBS1) was focused on the improvement of the SIOFA data systems, and the processes to make the data more visible to the end users using the SIOFA website. The meta-data, which are the parameters that describe the datasets submitted by the SIOFA CCPs, has been improved in the databases and allowed

to upload new information and new data on the SIOFA website thanks to a new module developed by a consultant company (NAES). The module provides information on catch, effort, and the data status (availability and quality). It will be used by the public to inform about the main figures regarding the fisheries of SIOFA, and by scientists to assess what analyses and studies are possible to undertake in regards of the available data.

Results:

The SIOFA databases have been improved and SIOFA website have been upgraded with a new data section and a new Drupal module.

See deliverables in section 4.

GO5: Making operational the Scientific Working Groups and Scientific Committee (SC) supporting and facilitating the external expertise needed for advancing on the SC multiannual Work Plan

Progress vs Objective:

A Science Manager consultant has been recruited for coordinating, plan and implement the works relevant to sciences and to support the SIOFA Scientific Committee Working Plan (project SCM 2021-01). The consultant helped SIOFA to commission a suite of four projects that are consistent with the Project objectives and implementation plan.

Another consultant was also recruited and was tasked to provide several fisheries reports documents (SEC2022-SUM)) for important fish species of SIOFA for the use by the Scientific Committee, and to adjust its multiannual workplan.

Results:

See deliverables in section 4

4. DELIVERABLES AND DISSEMINATION ACTIVITIES

Use this section to summarise all deliverables produced over the whole project duration (e.g. reports -other than those contractually required to be submitted to the European Commission-, websites, software etc.), as well as all dissemination activities executed (publications, workshops, conferences, etc.). For each of them, please signal if they were a contractual obligation², and provide the title, description and date of production, organisation or publication. If relevant, please provide information on how the provisions of Article II.7 of the Grant Agreement (Visibility of Union Funding) were implemented.

Deliverables for General Objective 1 (GO1): support the assessment of the key target stocks (alfonsino, toothfish and orange roughy):

Relevant to orange roughy

[Report: Orange roughy acoustic data processing collation of additional data \(SER2021-01 ToR1\) \(annex 1.1.3a\)](#)

[Report: Orange roughy acoustic data processing data quality control \(SER2021-01 ToR2\) \(annex 1.1.3b\)](#)

[Report: Orange roughy acoustic data processing estimation of the biomass \(SER2021-01 ToR3\) \(annex 1.1.3c\)](#)

[Report: Stock structure of alfonsino and orange roughy in the SIOFA area \(SER 2022-ORY1\) \(annex 1.4.3\)](#)

Relevant to alfonsino

² Contractual obligation: this refers either to an activity/deliverable indicated in the grant application

Report: Stock structure of alfonsino and orange roughy in the SIOFA area (SER 2022-BYS1) (annex 1.4.3)

Report: Age, growth, and lifespan investigations of splendid alfonsino (*Beryx splendens*) of the Indian Ocean using bomb radiocarbon dating (SER2022-BYS2) (annex 1.3.5)

Relevant to Patagonian toothfish

Report: Genetic analysis to inform the stock structure of Patagonian toothfish (*Dissostichus eleginoides*) (SER2022-TOP1) (annex 1.6.3)

Relevant to the fisheries on Saya de Malha Bank

Report: Scoping Study on the Saya de Malha Bank Fisheries (SER2021-03 ToR1) (annex 1.7.3a)

Report: Impact Assessments of Bottom Trawl Fisheries on VME Indicator Species (SER2021-03 ToR2) (annex 1.7.3b)

Deliverables for General Objective 2 (GO2), Management of Vulnerable Marine Ecosystems (VMEs):

Report: Bioregionalization of the SIOFA area based on VME indicator taxa (PAE2021-01) (annex 2.3c)
Source code files for the methodology used (R) and files output (TIF).

Deliverable for General Objective 3 (GO3), Management of others ecosystem components:

Report: Management of other ecosystem components – seabirds and mammals (PAE2021_02) (annex 3.3)

Report: SIOFA Teleost Ecological Risk Assessment (annex 3.4)

Deliverable for General Objective 4 (GO4), Reinforcing the data collection, SIOFA data/base systems, and coding and data processes.

Report: SEC2022-01-SIOFA-Data-reports-assets-visibility (annex 4.3a)

Technical documentation: NAES import module (annex 4.3b)

Source code files for the NAES Excel importer

Website section: <https://siofa.org/data>

Deliverable for General Objective 5 (GO5), Making operational the Scientific Working Groups and Scientific Committee (SC) supporting and facilitating the external expertise needed for advancing on the SC multiannual Work Plan.

Report: SCM2021-01 Consultant Report (annex 5.1.3)

Fisheries Summary Reports: ORY-Fishery-Summary-2023, ALF-Fishery-Summary-2023, TOT-Fishery-Summary-2023, OIL-LEC-Fishery-Summary-2023, TAK-Fishery-Summary-2023 and HAU-Fishery-Summary-2023 (annex 5.2.3 a to f)

Dissemination activities

Presentation of the project and the reports produced by the Consultant have been mostly done and circulated for the SIOFA Scientific Committee meetings and its working groups. The result of the discussions and outputs relevant to the tasks have been presented to the Meeting of the Parties over the implementation period of the project which covered several events:

3rd Protected Areas and Ecosystems Working Group (PAEWG3), online, 01-05 March 2021

3rd Stock and Ecological Risk Assessment Working Group (SERAWG3), online, 08-11 March 2021

6th Meeting of the Scientific Committee (SC6), online, 22-26 March 2021

8th Meeting of the Parties (MoP8), online, 05-09 July 2021

4th Protected Areas and Ecosystems Working Group (PAEWG4), online, 7-11 March 2022

4th Stock and Ecological Risk Assessment Working Group (SERAWG4), online, 28 Feb – 04 March 2022

7th Meeting of the Scientific Committee (SC7), online, 21-25 March 2022

9th Meeting of the Parties (MoP9), Reunion (hybrid)
 8th Meeting of the Scientific Committee (SC8), Spain, Tenerife (hybrid), 22-31 March 2023
 10th Meeting of the Parties (MoP10), Mauritius (hybrid), 03-07 July 2023

Access to the documents and reports of these events are available on the SIOFA website:
<https://siofa.org/meetings/>

5. PROJECT MANAGEMENT

Please use this section to summarise project management activities:

- Describe briefly the main tools put in place to ensure sound project management (internal controls, monitoring tools, performance indicators, etc.). If applicable, describe performance of the tasks in terms of selected indicators;
- If applicable, please describe any problem encountered among the different beneficiaries or affiliated entities (distribution of tasks, coordination, communication, etc.);
- If applicable, report any other problems related to project management which have occurred and explain the remedial actions that have been applied as well as its results;
- If applicable, indicate changes which have occurred to the legal status of any of the beneficiaries or their affiliated entities, if any.

The project has been divided into tasks that have been individually coded with a reference number. The coding is structured by 3-letters in capital, a year, and an iteration number). The 3 letters are chosen to recall, which SIOFA SC working group the work was relevant to (e.g. SER for Stock and Ecological Risk working group, or which species it addresses).

The project management was carried out by setting:

- Periodical deadlines, to achieve the step-by-step tasks.
- Periodical on-line meetings with the consultants, to discuss and evaluate the objectives progress
- Ad-hoc meetings approximately two weeks before each of the SIOFA workgroup or scientific committee meetings, to discuss about the presentations and expectations.

Pre-2022, project management was carried out by the Chair of the SIOFA SC Workgroups and by the SIOFA SC Chair.

2022 onwards, the project coordination was conducted by the SIOFA Science Officer at the Secretariat. The SIOFA Scientific Committee Chairperson and Vice Chairperson composed a project Advisory Panel for each project, composed by SIOFA SC Heads of Delegation and the Science Officer, with the purpose of providing specific technical guidance and reviewing the reports produced by the consultants.

Based on these evaluations, the interim and final reports were considered a fair representation and an accurate description of the work carried out relevant to the term of references for each task.

6. SUBCONTRACTING

Describe whether any of the tasks has been subcontracted, provide justification, percentage of the volume subcontracted as compared to the total budget and explain how the subcontractor was selected.

The project has been carried out mainly by subcontracting. Pre-2022, consultants were selected by a panel constituted by the Chairperson and Vice Chairperson of the Scientific Committee, the Chair of the Stock and Ecological Risk Assessment Working Group, the Chair of the Protected Area and Ecosystems Working Group and by the Executive Secretary. Post-2022, the project-specific Advisory Panels, composed by SIOFA SC Chairs, SC Heads of Delegation, and the Science Officer, selected the consultants.

The criteria to select the candidates were:

- adequate submission of information to allow the panel to evaluate the candidates;
- evaluation of the proposal from the candidates and their ability to undertake and complete the analyses or works required in the ToR;
- the candidates' agreement with confidentiality provisions required for the project;
- acceptable conflict of interest statement;
- agreement with the data submission and intellectual property terms required for a contract; and
- financial and resourcing considerations

7. BUDGET

Please fill in the separate template for the Financial Report.

In the section below, please provide your assessment of the budget implementation, as compared to the information included in Annex III of the Grant Agreement:

- Please explain any deviations from the planning, if applicable, as well as their impact on the implementation of the project;
- Signal any relevant problem concerning eligible costs, distribution of budget, financial constraints or others.

The total estimated budget implementation was 250 000€, including a total estimate of 200 000€ for the EU contribution. The final total costs (216 460.00 €) are lower compared to the information included in Annex III of the Grant Agreement.

The main reasons why the final cost is lower is because one of the tasks has been taken in charge by one party for free. And some consultants and tasks cost less than planned., and the COVID19 context has generated less expenses for travels. Furthermore, project meetings were done by video-conference.

8. ADDITIONAL INFORMATION

Please include any comment that you find relevant to convey to the European Commission. You may refer to issues such as policy implementation, contract management or budget execution.

None

9. ATTACHMENTS

Please list all the attachments accompanying this report including the project deliverables, if any. Please number the annexes and use the same reference number as in the list below.

The attachments are provided as annexes.

Annexes 1 to Annexes 5 are relevant to the project implementation and deliverables, ordered by General Objectives, and listed in the table below:

G.O	Reference code	Annex	Type
	SER 2021-01	1.1.1. ToR orange roughy (Hoplostethus atlanticus) Acoustic Data Processing	ToR
1	SER 2021-01	1.1.2. Contract for the provision of scientific Service	Contract
1	SER 2021-01	1.1.3a. Orange roughy acoustic data processing collation of additional data (ToR1) 1.1.3b. Orange roughy acoustic data processing data quality control (ToR2) 1.1.3c. Report: Orange roughy acoustic data processing estimation of the biomass (ToR3)	Report
1	SER2022-BYS1	1.3.1. SER2022-BYS1-alfonsino-stock-structure-ToRs	ToR
1	SER2022-BYS1	1.3.2. SER2022-BYS1 contract_final_DM_ES	Contract
1	SER2022-BYS2	1.3.3. SER2022-BYS2 alfonsino-ageing-ToRs-fina	ToR
1	SER2022-BYS2	1.3.4. Contract SER2022-BYS2-radio-carbon-ageing-signed	Contract
1	SER2022-BYS2	1.3.5. SIOFA-SER2022-BYS2-Final-Report.	Report
1	SER2022-ORY1	1.4.1. SER2022-ORY1-stock-structure-ToRs-final	ToR
1	SER2022-ORY1	1.4.2. SER2022-ORY1 contract_final_DM_ES.pdf	Contract
1	SER2022-BYS1 & SER2022-ORY1	1.4.3. Stock structure of alfonsino and orange roughy in the SIOFA area	Report
1	SER2021-02	1.5.1. ToR orange roughy ageing by otolith	ToR
1	SER2021-02	1.5.2. NIWA-SIOFA contract	Contract
1	SER2021-02	1.5.3. ORY Ageing Report	Report
1	SER2022-TOP1	1.6.1. SER2022-TOP1-stock-structure-ToR	ToR
1	SER2022-TOP1	1.6.2. Contract for SER2022-TOP1 COOL Research _SIOFA	Contract
1	SER2022-TOP1	1.6.3. SIOFA-SER2022-TOP1-final-report_v3_public_optimized	Report
1	SER2021-03	1.7.1. TOR Saya de Malha Bank Fisheries (SER2021-03)	ToR
1	SER2021-03	1.7.2. SER2021-03 Saya de Malha Bank - MRAG Contract Signed + annex1	Contract
1	SER2021-03	1.7.3a. Report-RE3006_TOR1_ScopingStudy	Report
1	SER2021-03	1.7.3b. Report-RE3006_TOR2_BottomImpactAssessment	Report
2	PAE2021-01	2.1. TORs PAEWG Bioregionalisation and VMEs-Project PAE2021-01	ToR
2	PAE2021-01	2.2. PAE 2021-01 Contract signed	Contract
2	PAE2021-01	2.3a. 2021 Bioregionalisation and VME project Inception Report	Report
2	PAE2021-01	2.3b. 2022 Bioregionalisation and VME project Progress Report	Report

G.O	Reference code	Annex	Type
2	PAE2021-01	2.3c. Bioregionalization and VMEs Management Final Report	Report
3	PAE 2021-02	3.1. ToR PAE 2021-02 seabird-mammals-bycatch ERA	ToR
3	PAE 2021-02	3.2. Contract signed PAE2021-02 (Seabirds and Mammals)	Contract
3	PAE 2021-02	3.3. Report-PAE2021_02-Final	Report
3	SER 2021-07	3.4. Report SIOFA teleost ERA	Report
4	SEC2022-01	4.1. ToR-SEC2022-01-SIOFA-Data-reports-assets-visibility	ToR
4	SEC2022-01	4.2. Contract for siofa Data Visibility SEC2022-01 Naes Signed	Contract
4	SEC2022-01	4.3a. SIOFA-Data-reports-assets-visibility	Report
4	SEC2022-01	4.3b. NAES Import Module Technical Documentation	Report
5	SCM2021-01	5.1.1. ToRs-Coordinator-SC-Workplan	ToR
5	SCM2021-01	5.1.2. Contract-for-the-Scientist-Coordinator-signed	Contract
5	SCM2021-01	5.1.3. SCM2021-01-Consultant_report	Report
5	SEC2022-SUM1	5.2.1 Invitation letter for the development of fisheries and ecosystem summaries	Invitation letter
5	SEC2022-SUM1	5.2.2. SEC2022-SUM1-Contract-signed-Ben SHARP	Contract
	SEC2022-SUM1	5.2.3a. SC-08-18-SIOFA-TOT-Fishery-Summary-2023_restricted	Report
5	SEC2022-SUM1	5.2.3b. SC-08-17-SIOFA-ALF-Fishery-Summary-2023	Report
5	SEC2022-SUM1	5.2.3c. SC-08-16-SIOFA-ORY-Fisheries-Summary-2023	Report
5	SEC2022-SUM1	5.2.3d. SC-08-19-SIOFA-OIL-LEC-Fishery-Summary-2023	Report
5	SEC2022-SUM1	5.2.3e. SC-08-20-SIOFA-TAK-Fishery-Summary-2023	Report
5	SEC2022-SUM1	5.2.3f. SC-08-21-SIOFA-HAU-Fishery-Summary-2023	Report

Annexes 6 Final financial statement

Annex 6a Eligible costs to EU contribution

Annex 6b Financial Statement

Annex 6c Proofs of payments

Annex 7: Request for payment of the balance

Annex 7a : Identification SIOFA Bank account for transfer of payment

Annex 8 : Certificate on the financial statement, payments and underlying accounts.