

SC-06-INFO-11

6th Meeting of the SIOFA Scientific Committee (SC6)

22-25 March 2021

(online)

Scientific Committee work-plan and budget (2021-2023)

Relates to agenda item: 12

Working paper ☐ Info paper ☒

SIOFA Secretariat

Abstract

This document present next SC activities, schedule, and forecasted budget.

REVISION ON ACTIVITY BUDGETS SC6

| | 2021-2022 Activities | 2020-2021 Budget | Priority level at SC5 | Situation of the Project | Comment |
|--------------------------|---|--------------------|-------------------------------|------------------------------|--|
| SERAWG | Development of T + L Reference points and Harvest strategies Year 1 (2 years total 30,000) (MoP 6 approved) | 15,000 | High | Completed | 1st part (2020) of the Researches to develop Harvest Strategies for Key target species in SIOFA (Budget 1st part : MoP6) |
| PAEWG | BFLA Trawl and Longline consultancy - [3 months trawl, 2 months longline] | 57,870 | High | Current | Expense distribution : 3/5 Australia Voluntary contribution (55000 AUD) 2/5 MoP6 This research will be updated after the SC comment and availability of new data |
| PAEWG | VME Habitat Mapping | 5620 | High | Current | EU 54866 +SIOFA 12 000 + SIOFA 5620 + EU 23514 (Once final report received) = 96 000€. The EU grant's sold 23514€ will be obtain once the final report will be send to EU |
| SERAWG | Orange roughy acoustic data process (2018-2020) (Consultant) | 20,000 | High | TOR in progress (April 2021) | Budget validated by MoP7 (55620 = 20000 + 25000 + 5000 + 5620) |
| SERAWG | Orange roughy stock assessment | 25,000 | High | TOR in progress (Sept 2021) | Budget validated by MoP7 (55620 = 20000 + 25000 + 5000 + 5620) |
| SERAWG | Alfonsino Investigation of the acoustic data | 5,000 | High | TOR in progress (July 2021) | Budget validated by MoP7 (55620 = 20000 + 25000 + 5000 + 5620) |
| SERAWG | Stock structure studies (orange roughy, alfonsino, tooth fish) | EU Grant Agreement | 25000 | TOR in progress (April 2021) | |
| SERAWG | Development of T + L Reference points and Harvest strategies Phase 2 | EU Grant Agreement | 15000 | ToR in progress (Sept 2021) | 2nd part (2021) of the Researches to develop Harvest Strategies for Key target species in SIOFA Could replace the research discontinued "Additional ageing by otolith to estimate more accurate growth equations for all ages especially female (15000 €)" |
| PAEWG | Updates to the ERA work - Considering seabirds & mammals | EU Grant Agreement | 10000 | TOR in progress (May 2021) | |
| SC + SEC | Coordinate, plan and assist Implementation of Science Consultancy to support the SC Working Plan | EU Grant Agreement | 15000 | In progress | |
| SC + SEC | Develop the database system and analyses. | EU Grant Agreement | 20000 | TOR in progress (May 2021) | |
| PROPOSALS TO MOP8 | | | | | |
| | 2022-2023 Activities | 2022 budget | Budget obtained from EU Grant | Priority (SC6) | COMMENTS |
| PAEWG | ' Bioregionalisation searches for smaller spatial entities within a larger area using a range of environmental information. | 15,000 | | | |
| PAEWG | Investigation of a holistic framework for assessing and preventing Significant Adverse Impacts on VMEs | EU Grant Agreement | 15000 | TOR in progress (April 2021) | To be started after the VME mapping work and to be delivered in 2023 |
| PAEWG | Support work on benthic bioregionalization (underway) and (future) investigate possible habitat suitability modelling | EU Grant Agreement | 15000 | TOR in progress (April 2021) | To be started after the VME mapping work and to be delivered in 2023 |
| PAEWG | Investigation of representative protected areas (relevant to the bioregionalization work) | EU Grant Agreement | 15000 | TOR in progress (April 2021) | |
| SERAWG | Acoustic data process if the investigation (2021) proves the feasibility to use. | EU Grant Agreement | 15,000 | | Could replace the research discontinued "Updates to the ERA work - update the Teleosts ERAs with better and more recent input data" (15000 €) |
| SERAWG | Alfonsino Assessment | EU Grant Agreement | 25,000 | High | |
| SERAWG | Age validation using bomb calorimetry | 15,000 | | Hight | |
| SERAWG | Saya de Malha Bank Fisheries | EU Grant Agreement | 15000 | | |
| SERAWG | Updates to the ERA work - update the Teleosts ERAs with better and more recent input data | | | | To be confirmed if funded by AUS |
| SC | Biologically appropriate catch limits for Patagonian Toothfish in Del Cano Rise and Williams Ridge | | | | Not budgeted. To be confirmed if to be taken in charge by CCPs concerned |
| SC + SEC | Patagonian Toothfish tagging program (~2000 €/year) | | | | Should be covered by Fishing Flags |
| SC + SEC | Travel and accommodation for Expert | | | | To be provisioned/included within each ToR and included as a specific (optional) line in the Contract value |
| | Balance suggested for the Budget line Contract for Specific Service | 30000 | | | |

Legend

| | |
|--|--|
| | Activity, planned, budgeted and completed |
| | Activity, planned, budgeted and current |
| | Activity budgetted, planned to begin in 2021 (ToR in progress) |
| | Activity budgetted planned to be done in 2022 |
| | Activity, planned, non budgeted |

ANNEX 1: PAEWG workplan and budget

| Project | Task no | Task | Proposition | Situation | Beginning date | PAEWG01 (2019) | PAEWG02 (2020) | PAEWG03 (2021) | PAEWG04 (2022) | PAEWG05 (2023) | Durée | Budget estimated | Budget adopted | Consultant | Comments |
|--|---------|---|---------------------------|---|------------------------------|----------------|----------------|---|----------------|----------------------------|----------|------------------|--|----------------|---|
| 1. Develop SIOFA definition of VME indicator species: | 1 | <ul style="list-style-type: none"> Consider VME indicator species identified in other relevant RFMOs or other bodies (e.g. CCAMLR, SPRFMO, etc.) Test whether these are appropriate for SIOFA area Development of pictorial guides to VME indicator species | | | | | | Done | To be updated | | | 0 | | | |
| 2. BFIA Trawl and Longline consultancy - [3 months trawl, 2 months longline] | 2 | <ul style="list-style-type: none"> Refine process to advance, given the disparate nature of information available. Undertake cumulative impact assessment for groups of fisheries/gear (eg orange roughy bottom trawling, long lining, Saya de Malha trawl) using a consistent methodology across the gear. Work plans updated at SC5 (SC5 Report, Annex I) | Version1: SC04 ANNEX T | Not adopted MoP 05 | | Beginning | | End | | | 6 month | 65,925.00 | | | |
| | | | Version2: SC05 ANNEX G | Current Presentation to PAEWG 03 Adopted MoP06 | 2020 | | Beginning | | End | | 5 month | 57,870.00 | 57,870 | Sophie Mormede | Payment done at 3/5 with AUS voluntary contribution[55000 AUD], and 2/5 with MoP6 Budget [25900€]. [solde positif > 2750 €] |
| 3. Fishing footprint | 3 | to develop an appropriate SIOFA fishing footprint (CMM 2019/01 MoP request) | SC5-SC6 papers | on going, presentation to SC6 | | | | | | | | 0.00 | | | |
| 4. Threshold | 4 | Review of trawl fisheries threshold levels for VME encounters | No proposition | | | | | | | | | | | | Perhaps recruitment of consultant to prepare a proposal? |
| 5. VME Habitat Mapping | 5 | <p>- "VME bioindicator species" consist in a series of taxa which presence, according to various observation thresholds (e.g. related to biomass, abundance, functional attributes), is considered as a proxy of presence of Vulnerable Marine Ecosystems (VME) to be protected. VME risk areas consist in areas where VME are likely to occur and may be impacted by a range of different fishing activities.</p> <p>- According to FAO experts recommendations, PAEWG has therefore indicated that VME indicator taxa distribution models in combination with empirical data sets on the known distribution and status of VME indicator taxa would be useful tools to develop in order to map VME risk areas over the SIOFA region.</p> | Version 1: SC04 ANNEX I | Current Presentation to PAEWG 03 and 04 Adopted MoP05 | 2020 | | Beginning | | End PAEWG 04 | | 24 month | 120,910.00 | 96,000 € | Boris Leroy | Funds budgeted as a first matching participation to a EU Grant Agreement for a total amount of EURO 96 000, budgeted by a EU grant of 78380€, and 17620€ by MoP6 and MoP7 budget. |
| 6. Bioregionalisation | 6.0 | <p>- PAEWG has recognised the usefulness of bioregionalisation approach to help in the design of Protected Areas in the SIOFA area. Bioregionalisation searches for smaller spatial entities within a larger area using a range of environmental information. Ecoregionalisation seeks the same goal using biotic parameters such as Species Distribution Models (SDM).</p> <p>- PAEWG and SC have recommended to further build upon PAEWG-01-12-results to develop a more robust bioregionalisation.</p> | Version 1: SC04 ANNEX k | Not adopted MoP 05 | | | | Start proposed | | End proposed | 24 month | 120,910.00 | To be funded | | |
| | 6.1 | Bioregionalisation searches for smaller spatial entities within a larger area using a range of environmental information. Ecoregionalisation seeks the same goal using biotic parameters such as Species Distribution Models (SDM), including: | Version 2: SC06 ANNEX ??? | To be proposed MoP 07 | | | | Even planned on EU Grant, and SIOFA funding | | End proposed on PAEWG 05 | 12 month | 60,000.00 | To be approved (include the EU objectives and grant) | | Option 1: one ToR 60000 € including: 15000 € (to be adopted) + 45000 € from the EU grant |
| | | 6.1 Investigation of a holistic framework for assessing and preventing Significant Adverse Impacts on VMEs | | EU Grant Agreement | TOR in progress (April 2021) | | | Even planned on EU Grant | | No later than End PAEWG 05 | | 15000 | | | Option 2 one ToR per task |
| | | 6.2 Support work on benthic bioregionalization (underway) and (future) investigate possible habitat suitability modelling | | EU Grant Agreement | TOR in progress (April 2021) | | | Even planned on EU Grant | | No later than End PAEWG 05 | | 15000 | | | Option 2 one ToR per task |
| | | 6.3 Investigation of representative protected areas (relevant to the bioregionalization work) | | EU Grant Agreement | TOR in progress (April 2021) | | | Even planned on EU Grant | | No later than End PAEWG 05 | | 15000 | | | Option 2 one ToR per task |

ANNEX 2: SERAWG workplan

| Source of Budget | | SIOFA budget (except 2nd HS & RP consultant by the EU fund) | | | | | | | | | | | | to be decided later | |
|---|---|--|---|---|--|---|---------------------------------|---|----|----|------------------------------------|---|---|---------------------|---|
| Year | | 2021 | | | | | | | | | | | | 2022 | |
| Month | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 - 12 |
| Meetings | | WG3 +SC6 | | | | | | | | | | | | WG4 +SC7 | |
| Harvest strategies (HS) and Reference Points (RP) | | | | | | | | | | | [2nd] Consultant (15K) (EU budget) | | | | |
| Teleosts ERA work | | Australia | | | | | | | | | | | | | |
| Orange roughy | Acoustic data | | | | Acoustic data (2018-2020) process (Consultant) (20K) | | | | | | | | | | |
| | Stock assessment | | | | | | | | | | Consultant (25K) | | | | |
| Alfonsino | Acoustic data | | | | | | Investigation (Consultant) (5K) | | | | | | | | Acoustic data process (Consultant) (15K) if the investigation (2021) proves feasibility to use. |
| | Estimation of the growth equation (WEST) | National scientists to be encouraged to do this work this (aged data by otolith by Fish Ageing Services are available & not yet analyzed) (n=250 each ♂ & ♀) | | | | | | | | | | | | | |
| | Age validation using bomb calorimetry | | | | | | | | | | | | | | Consultant (15K) |
| | Stock assessment (with more size and other biological data) | | | | | | | | | | | | | | Consultant (25K) |
| Patagonian toothfish | Stock analyses | National scientists and/or the joint works with CCAMLR | | | | | | | | | | | | | |
| | Tagging | National scientists collaborating with the CCAMLR | | | | | | | | | | | | | |
| | Stock structure (molecular analysis) | | | | | | | | | | | (1) SIOFA(Del Cano) and CCAMLR (Crozet, Kerguelen & Prince Edward) (2) SIOFA (William's Ridge) and CCAMLR(Kerguelen's and Heard & McDonald's) (EU?, France Territories, Japan? & Australia)(*) (CONSULTANT) | | | |
| | Growth equation (otolith) | | | | | | | | | | | Collection of otolith and ageing (Del Cano Rise and William's Ridge) (EU?, France Territories, Japan? & Australia)(*) (CONSULTANT) | | | |
| | | | | | | | | | | | | (*) EU & Japan will decide in SC6 if they will join. | | | |