

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	15000	High	ToR in progress (Sept 2021)	2nd part (2021) of the Researches to develop Harvest Strategies for Key target species in SIOFA. Funds are available from the remained funds(>41 K€) on the Scientific Research account
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.	15,000			To be confirmed after the investigation done in 2021
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 2022 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.			