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NOWPAP



**Northwest
Pacific
Action Plan**

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Draft NOWPAP Programme of Work 2020-2021

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**Regional
Seas**

Contents

Budget explanatory note	5
Introduction	5
Special Monitoring and Coastal Environmental Assessment Regional Activity Center (CEARAC).....	5
Data and Information Networking Regional Activity Center (DINRAC).....	6
Marine Environmental Emergency Preparedness and Response Regional Activity Center (MERRAC).....	6
Pollution Monitoring Regional Activity Center (POMRAC).....	7
Regional Action Plan on Marine Litter (RAP MALI).....	8
Regional Coordination Unit (RCU).....	8
Annex 1. NOWPAP Programme of Work 2020-2021:.....	9
Priority Area 1. Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM)	9
Priority Area 2. Assess the Status of the Marine and Coastal Environment	10
Priority Area 3. Prevent and Reduce Land- and Sea-Based Pollution.....	12
Priority Area 4. Conserve Marine and Coastal Biodiversity	17
Strengthening regional cooperation through partnership building and resource mobilization	20
Annex 2. NOWPAP Programme of Work 2020-21: RCU and RACs Budgets.....	25
RCU	25
RAP MALI	26
CEARAC	26
DINRAC	27
MERRAC.....	27
POMRAC	28
Annex 3. History of Revisions	29

List of Tables

Table 1. NOWPAP Work Plan and Budget (Thousand USD) for 2020-2021	7
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List of Acronyms

APN	Asia-Pacific Network for Global Change Research
CEARAC	Special Monitoring and Coastal Environmental Assessment Regional Activity Center
COBSEA	Intergovernmental Meeting of the Coordinating Body on the Seas of East Asia
DINRAC	Data and Information Networking Regional Activity Center
DNA	Deoxyribonucleic Acid
EBSAs	Ecologically or Biologically Significant Marine Areas
EcoQO(s)	Ecological Quality Objective(s)
e-DNA	Environmental DNA
GESAMP	Group of Experts on the Scientific Aspects of Marine Environmental Protection
GPA	Global Programme of Action for the Protection of the Marine Environment from Land-based Activities
GPML	Global Partnership on Marine Litter
HAB(s)	Harmful Algal Bloom(s)
ICARM	Integrated Coastal and River Basin Management
IGM	Intergovernmental Meeting
IOC-UNESCO	Intergovernmental Oceanographic Commission of UNESCO
IMO	International Maritime Organization
LME	Large Marine Ecosystem
MARPOL	International Convention for the Prevention of Pollution from Ships
MPAs	Marine Protected Areas
MS	Member States
HNS	Hazardous and Noxious Substances
HQ	Headquarters
NEAMPAN	North-East Asian Marine Protected Areas Network
NEASPEC	North-East Asian Subregional Programme for Environmental Cooperation
NEAT	NOWPAP Eutrophication Assessment Tool
NGO(s)	Non-Governmental Organization(s)
NPEC	Japan's Northwest Pacific Region Environmental Cooperation Center
MERRAC	Marine Environmental Emergency Preparedness and Response Regional Activity Centre
MTS	Medium-Term Strategy
NOWPAP	Northwest Pacific Action Plan
OPRC Convention	International Convention on Oil Pollution Preparedness, Response and Co-operation
PEMSEA	Partnerships in Environmental Management for the Seas of East Asia
PICES	North Pacific Marine Science Organization
POMRAC	Pollution Monitoring Regional Activity Center
PoW	Programme of Work
PSC	Project Support Costs

RAC(s)	Regional Activity Center(s)
RAP BIO	Regional Action Plan on Marine and Coastal Biodiversity Conservation
RAP MALI	Regional Action Plan on Marine Litter
RCP	Regional Oil and HNS Spill Contingency Plan
RCU	Regional Coordinating Unit
RO	Regional Overview
SDG(s)	Sustainable Development Goal(s)
SOMER	State of the Marine Environment <i>Report</i> for the NOWPAP Region
TEMM	Tripartite Environment Ministers Meeting (China, Japan, Korea)
TF	NOWPAP Trust Fund
UNEA	United Nations Environment Assembly
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNEP	United Nations Environment Programme
YSLME	UNDP-GEF Yellow Sea Large Marine Ecosystem Project

Budget explanatory note

Introduction

1. At the 14th and 15th NOWPAP IGMs, member states requested NOWPAP RCU and RACs to present more detailed work plans and budgets for their consideration. The 16th NOWPAP IGM approved the NOWPAP Programme of Work (PoW) 2012-2013 aligned with the NOWPAP Medium-term Strategy (MTS) 2012-2017. Since 2014, NOWPAP operated following a biennial PoW prepared in line with the priorities of MTS. RCU provided due reporting on the progress of the PoW implementation at annual IGMs.

2. The 22nd NOWPAP IGM (Toyama, Japan, 19-20 December 2017) approved the NOWPAP PoW 2018-2019. The status of implementation of NOWPAP PoW 2018-2019 is included in the package of documents UNEP/NOWPAP IG. 24/5 prepared for the current meeting.

3. The accumulated/unspent resources in the NOWPAP Trust Fund (40PNL) were about USD1,050,000 as of 23/10/2017. UNEP established a working capital reserve of USD 67,500 for the PNL account in 2015 (UNEP/NOWPAP IG. 20/12) that left about USD982,500 in PNL surplus in 2017. Considering that significant restructuring of the RCU had been completed, and the RACs had sufficient capacity to increase the scope of their activities, RCU submitted two budget proposals for the NOWPAP Trust Fund for 2018-2019 biennium: **Option A** (status quo – USD1,000,000 – with 100% replenishment targets met by all Member States) and **Option B** (increase by 30% by using surplus resources up to USD1,300,000). Consequently, all RACs prepared two budget proposals that were discussed and supported at the respective Focal Point Meetings. The 22nd NOWPAP IGM approved budget proposal Option B, USD 1,300,000.

4. The increased budget of the Trust Fund would allow the Member States to reduce and ultimately eliminate the unsustainable surplus (tentatively from 2018 to 2023), while keeping the required budget reserve under the UN financial rules.

5. NOWPAP PoW 2020-2021 presented in this document follows the decisions made by the Focal Points Meeting (FPM) of each RAC and the Marine Litter Focal Points Meeting held in 2019. Table 1 below shows the cumulative total NOWPAP budget for 2020-2021 biennium with a total budget of USD 1,300,000.

6. Annex 1 provides a budget proposal with specific activities and performance indicators. Annex 2 includes the budget for each RAC, RAP MALI and RCU.

Special Monitoring and Coastal Environmental Assessment Regional Activity Center (CEARAC)

7. The total requested **CEARAC** budget is USD185,000 for 2020-2021. The budget proposal explained in the document (UNEP/NOWPAP IG. 24/4/1) presents a detailed overview of the activities planned. In addition to the regular CEARAC activities, such as the organization of the Focal Point Meetings, the following actions are proposed:

- 1) CEARAC's activities on marine biodiversity conservation for the 2020-2021 biennium
- 2) Several case studies on estimating seagrass blue carbon in selected sea areas in the NOWPAP region

- 3) An improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for the assessment and monitoring of eutrophication using satellite chlorophyll-a
- 4) The organization of the Fifth NOWPAP Training Course on Remote Sensing Data Analysis.

Data and Information Networking Regional Activity Center (DINRAC)

8. The total requested **DINRAC** budget is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. 24/4/2). During 2020-2021, DINRAC will continue its regular activities, including organizing Focal Point Meetings and updating and supplementing existing databases, as well as managing the Northwest Pacific Regional Node of the Global Partnership on Marine Litter. The following activities were proposed for 2020-2021:

- 1) An annual Summary of Major Marine Environmental Data available in the Member States, which is an essential routine work for DINRAC
- 2) A collection of Data and Information on Endangered Species Filed in the Red Lists of the NOWPAP Member States (3rd Stage is 2020-2021), which will continue until 2028,
- 3) An expert meeting and a brainstorming workshop for future directions of DINRAC.

Marine Environmental Emergency Preparedness and Response Regional Activity Center (MERRAC)

9. The total requested **MERRAC** budget is USD185,000. The budget proposal is included in the document (UNEP/NOWPAP IG. 24/4/3). MERRAC will utilize these resources on organizing Focal Point and National Competent Authorities meetings, as well as to support specific activities to strengthen regional cooperation, including closer collaboration with IMO. The Focal Points of MERRAC proposed the following activities for the 2020-2021 biennium:

- 1) An assessment of the implementation of the International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC Convention) and OPRC-HNS Protocol in the NOWPAP region,
- 2) The identification of activities to strengthen regional cooperation on the implementation of the International Convention for the Prevention of Pollution from Ships (MARPOL) under NOWPAP MERRAC framework (e.g., oil-waste discharge from ships, fuel-oil quality, others),
- 3) The development of response options for potential condensate spills in the context of updating the NOWPAP MERRAC Regional Report on HNS Preparedness and Response (2012),
- 4) The development of a MERRAC Strategic Plan for Better Implementation of Regional Cooperation on Marine Pollution Preparedness and Response through the establishment of expert groups on specific issues such as an oil finger-print, oil spill modeling, emergency salvages, others.

Pollution Monitoring Regional Activity Center (POMRAC)

10. The total requested **POMRAC** budget for 2020-2021 is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. 24/4/4). Resources are requested to organize Focal Point Meetings and several communication activities. The 16th POMRAC Focal Points Meeting (30-31 October 2019) agreed on the following activities for 2020-2021:

- 1) The development of regional NOWPAP EcoQO targets aligned with SDG indicators. Phase 2;
- 2) The preparation of the Third State of Marine Environment Report SOMER-3, and
- 3) a Proposal of the Project "Microplastics Abundance in River Runoff of the NOWPAP Region."

Table 1. NOWPAP Work Plan and Budget (Thousand USD) for 2020-2021

RACs/Projects/Activities	Approved Budget for 2018-2019	Suggested Budget for 2020-2021
CEARAC	185	185
DINRAC	185	185
MERRAC	185	185
POMRAC ¹	185 ¹	185
RAP MALI	91	91
Public Awareness (RCU)	20	20
- Coordination of RACs (RCU) - Implementation of NOWPAP (RCU)	127	92
RCU Operation (RCU)	50	59
Resource Mobilization (RCU)	27	30
Contribution to the development of MPAs network	-	10
NOWPAP Special Projects / Initiatives	95	-
Completion of RAP BIO	-	30
Communications Strategy Development	-	25
Communications Activities	-	28
Internal Audit	-	5
Evaluation of Special Projects (Review)	-	10
Sub-total	1,150	1,140
13% of the sub-total as Programme Support Cost	150	160 ²
TOTAL	1,300	1,300

¹ POMRAC transferred USD80,000 to DINRAC to cover costs of international consultants and additional activities for 2018-2019.

² Fourteen percent of the sub-total as Programme Support Costs (13%) and UN Reform Levy (1%).

Regional Action Plan on Marine Litter (RAP MALI)

11. The total requested **RAP MALI** budget is USD 91,000. The 2019 Marine Litter Focal Point Meeting agreed to focus on the revision of the NOWPAP Regional Action Plan on Marine Litter in 2020-2021 and to maintain the operation of the Regional Node of the GPML. The use of RAP MALI funds is explained in the document UNEP/NOWPAP IG. 24/6.

Regional Coordination Unit (RCU)

12. **RCU** budget is requested to support the operation of the RCU offices, public awareness and communications activities, resource mobilization and coordination of RACs. RCU will continue strengthening regional partnerships. Specifically, special attention needs to be paid to the completion of the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP BIO). The currently available version of the Roadmap on RAP BIO has been drastically commented on by the regional experts and RACs. This proves the necessity to further work on addressing the comments and developing a guiding document, which would be a framework for the marine biodiversity related activities of NOWPAP. To complete this work, RCU requests allocating USD30,000 for hiring an International Consultant in 2020 and organizing an additional workshop in 2021. As in 2019, activities related to the development of RAP BIO will be led by RCU and supported by CEARAC. In addition to RAP BIO, more work is required to complete the NOWPAP Communication Strategy, as the current version is inadequately addressing such issues as Stakeholder Analysis, NOWPAP internal communications, and a number of other aspects. RCU is requesting USD 25,000 (USD 15,000 for an International Consultant and USD 10,000 for a regional workshop). Also, two audit and evaluation activities are being proposed, namely: an internal audit to be implemented by RCU in coordination with UNEP Headquarters, and a review of Special Projects. A breakdown of the requested RCU budget is presented in Annex 2.

Annex 1. NOWPAP Programme of Work 2020-2021:

Total budget of USD1,300,000 for the biennium including 13% of PSC and 1% UN Reform Levy.

Priority Area 1. Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM)

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External ³
<p>Objectives (3) and (4) of the Action Plan</p> <p>NOWPAP MTS 2018-2023 priority area 1</p> <p>SDG 14.2, Contribution to the achievement of SDGs 6, 11, 13, 14, and 15</p> <p>Expected partners: PEMSEA, YSLME Project Phase II, UNEP Regional Seas Programme, and UNESCO/IOC</p>	<p>1.1.1. “Good environmental status” of the NOWPAP is defined and provides a baseline and direction for Member States action</p>	<p>Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2</p>	<ul style="list-style-type: none"> - Agreed EcoQO targets within the designated areas tested and adjusted; - A workshop on EcoQO organized successfully; - A regional synthesis published. 	<p>41,000 (POMRAC)</p>	

³ Amount of mobilized external resources will be verified during the preparation of project documents in 2020 and regularly reported at IGMs.

Priority Area 2. Assess the Status of the Marine and Coastal Environment

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
<p>Objectives (1) and is also related to Objective (2)</p> <p>Contribution to the achievement of several targets of SDGs 6, 12, 14, 15, and 17</p>	<p>2.1.1. The NOWPAP Member States are provided with integrated periodic assessments of the state of marine and coastal environment and its components, including (but not limited to) biodiversity, chemical and biological pollution, harmful algal blooms, marine litter, oil and HNS threats, and climate change impacts to inform and foster policy action</p>	<p>The preparation of State of Marine Environment in the NOWPAP Region (SOMER-3) (phase 1)</p>	<ul style="list-style-type: none"> - An integrated assessment of environmental problems, status and trends related to existing and changing natural and socio-economic conditions in the NOWPAP region conducted; - A workshop on SOMER 3 organized successfully; - Elaborated and approved different chapters for SOMER-3 	48,000 (POMRAC)	
		<p>Regional Overview of Microplastics abundance in river runoff of the NOWPAP region</p>	<ul style="list-style-type: none"> - National Inputs prepared and submitted; - A seasonal survey of microplastics transport with river runoff conducted; - A Regional Overview published with policy recommendations to the Member States 	38,000 (POMRAC)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
Objectives (1) and is also related to Objective (2) Contribution to the achievement of several targets of SDGs 6, 12, 14, 15, and 17 (Continued)	2.1.2. The NOWPAP Member States, through the NOWPAP Information Portal, have free and user-friendly access to data and reliable information on coastal and marine environment collected from members, NOWPAP RACs, other institutions and projects	Annual Summary of Major Marine Environmental Data Available in the Member States	<ul style="list-style-type: none"> - Marine environmental data for 2018-19 collected; - The data by categories, countries and years compiled; - Data available on the DINRAC portal with free access - Collected data and evidence of databases used reported at annual FPMs 	23,000 (DINRAC)	
		Upgrade and regularly update DINRAC Website with additional WebGIS-based maps developed	<ul style="list-style-type: none"> - Database structure of specific data redesigned - The non-structured data into the database migrated; - WebGIS system developed - Polls and questionnaires developed 	43,000 (DINRAC)	
	2.1.3. NOWPAP Member States' capacity on remote sensing analysis improved.	Organization of the 5 th Training Course on Remote Sensing data analysis	<ul style="list-style-type: none"> - A one-week training course on remote sensing data analysis for graduate students, young scientists, professionals and NGO staffs organized successfully. 	20,000 (CEARAC)	

Priority Area 3. Prevent and Reduce Land- and Sea-Based Pollution

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
Objectives (4) and (5) SDG 14.1 NOWPAP EcoQO 3: Eutrophication adverse effects are absent, EcoQO 4: Contaminants cause no significant impact on coastal and marine ecosystems and human health, and EcoQO 5: - Marine litter does not adversely affect coastal and marine environments - Contribution to the achievement of several targets of SDGs 6, 8, 11, 12, and 14	3.1.1. NOWPAP Member States have included effective measures in place against marine pollution emergencies through the NOWPAP Regional Oil and HNS Spill Contingency Plan (RCP), including information sharing, improved response capacity, and the implementation of specific projects	Update and maintain NOWPAP Regional Contingency Plan (RCP) (MERRAC)	- NOWPAP RCP regularly updated	0 (MERRAC)	
		Update information on marine pollution response resources, including equipment, institutions and experts (MERRAC)	- Information system on marine pollution preparedness and response based on Web GIS is updated regularly on the MERRAC website.	0 (MERRAC)	
		Organize regular table-top, communication and full-scale oil and NHS spill exercises DELTA Exercise (to be led by Korea)	- Table-top, communication and full-scale oil and/or HNS spill exercises successfully carried out	0 (MERRAC)	Member States contribution

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
On RAP MALI: 3 rd and 4 th United Nations Environment Assembly decisions, G7 Action Plan to Combat Marine Litter, and G20 Action Plan on Marine Litter, GESAMP Programme of Work, activities of Global Programme of Action (GPA)	(Continued)	Assessment of the implementation of the OPRC Convention and OPRC-HNS Protocol in the NOWPAP region	<ul style="list-style-type: none"> - Guide on practical methods for the implementation of the Convention and Protocol translated into Chinese, Japanese, Korean and Russian; - National reports developed with recommendations made 	16,000 (MERRAC)	
		Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework	<ul style="list-style-type: none"> - Tasks that require international cooperation related to MARPOL 73/78 identified (e.g., oil-waste discharge from ships, fuel-oil quality, etc.); - Scoped studied; - Case study conducted; - A report prepared. 	16,000 (MERRAC)	
		Response options for condensate spill in context of update of NOWPAP MERRAC Regional Report on HNS Preparedness and Response	<ul style="list-style-type: none"> - Publicly available data on natural gas condensate (NGC) spills and their response and consequences assessed; 	16,000 (MERRAC)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	(Continued)	(Continued)	- Proposals for the updates of NOWPAP MERRAC previously issued technical reports prepared;		
		Proposal of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response	- Possible activities/ actions to be implemented by MERRAC in the future identified; - Report on MERRAC strategic plan with the information package on MERRARC activities over the last 20 years published.	27,000 (MERRAC)	
	3.1.2. The NOWPAP Member States are provided with reliable information, guidelines and best practices addressing prevention and mitigation of coastal and marine pollution, including eutrophication	Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for assessment and monitoring of eutrophication using satellite chlorophyll-a	New ocean color sensors evaluated and incorporated into an assessment of eutrophication in the coastal and closed bays in the NOWPAP region.	20,000 (CEARAC)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	(Continued)	Organization of expert meeting to discuss technical issues on oil and HNS spill preparedness and response	Expert meeting identifies specific issues related to oil	27,000 (MERRAC)	
	3.1.3. NOWPAP Member States address marine litter, including microplastics, through the effective implementation of the NOWPAP Regional Action Plan on Marine Litter (RAP MALI)	Organize 2020 and 2021 NOWPAP-TEMM Marine Litter Management Workshops and International Coastal Cleanup campaigns	<ul style="list-style-type: none"> - Regularly updated on global, regional and national actions - addressing marine litter, incl. microplastics provided at the annual NOWPAP-TEMM workshops - An increasing number of various stakeholders and citizens participate in beach cleanup campaigns in member countries 	40,000 ⁴ (RCU)	
		Revision of NOWPAP Regional Action Plan on Marine Litter	<ul style="list-style-type: none"> - Consultations conducted among the Member States; - Two meetings organized back to back with the annual marine litter workshop; - Revised Action Plan adopted by the end of 2021 	29,000 ⁵ (RCU)	

⁴ To be funded from NOWPAP-TEMM Marine Litter Workshop and International Coastal Cleanup campaign

⁵ To be funded from RAP MALI budget

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	(Continued)	Enhance the Northwest Pacific regional node of the Global Partnership on Marine Litter (GPML)	<ul style="list-style-type: none"> - Updated regularly information on GPML Regional Node; - Evidence of the Node playing an increasing role in facilitating regional information - Exchange and networking 	22,000 (DINRAC in cooperation with the Member States)	

Priority Area 4. Conserve Marine and Coastal Biodiversity

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
<p>Objectives 3, task (e), (f); Objective 4 (g)</p> <p>SDG 14.2 and SDG 14.5</p> <p>NOWPAP EcoQO 1: Biological and habitat diversity are not changed significantly due to anthropogenic pressure;</p> <p>NOWPAP EcoQO 2: Alien species are at levels that do not adversely alter the ecosystems.</p> <p>Contribution to several targets of SDGs 6, 13, 14, and 15</p>	<p>4.1.1. The NOWPAP Member States are provided with information and data, including on the status and major threats to Red List species and invasive alien species and sensitive habitat mapping in the region</p>	<p>Evaluation of distribution of tidal flats and salt marshes in the NOWPAP region</p>	<ul style="list-style-type: none"> - Distribution and historical changes of tidal flats and salt marshes in the NOWPAP region mapped; - The anthropogenic pressures on these habitats assessed; - A report prepared. 	<p>20,000 (CEARAC)</p>	
		<p>Organization of a training course on Environmental DNA analysis</p>	<ul style="list-style-type: none"> - A NOWPAP common analytical manual for e-DNA developed; - A training course on e-DNA analysis organized successfully. 	<p>25,000 (CEARAC)</p>	
		<p>Update of HAB database and HAB reference database</p>	<ul style="list-style-type: none"> - HAB Database and HAB Reference Database updated by adding the latest information on HAB occurrences in the member states. 	<p>9,000 (CEARAC)</p>	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	(Continued)	Case studies of estimating seagrass blue carbon in selected sea areas in the NOWPAP region	<ul style="list-style-type: none"> - Case studies for each selected sea areas to estimate seagrass blue carbon conducted; - An expert meeting on seagrass mapping organized successfully; - A booklet for seagrass conservation in the NOWPAP region published. 	27,000 (CEARAC)	
		International Workshop on Key Indicator Species and Habitats for Marine Biodiversity Change in East Asia	<ul style="list-style-type: none"> - Monitoring gaps for indicators species in national biodiversity monitoring systems and other relevant monitoring methods identified; - Policy-relevant recommendations for NOWPAP member states developed; - A proceeding prepared. 		42,000 (Asia-Pacific Network for Global Change Research - APN)
		Collect data and information on species filed in the Red Lists of NOWPAP Member States (Phase 3)	<ul style="list-style-type: none"> - Information on Red List species (Phase 3) collected and available on DINRAC website 	23,000 (DINRAC)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-21 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	4.1.2. NOWPAP Member States effectively address marine and coastal biodiversity conservation through planning and application of area-based management tools, including marine protected areas (MPAs) and Ecologically or Biologically Significant Marine Areas (EBSAs)	Contribute to the development of NOWPAP MPAs network through regional cooperation with the Yellow Sea LME Phase II project and with NEASPEC on NEAMPAN project led by the Russian Federation	- Participation of NOWPAP experts in relevant activities results in improved marine biodiversity conservation measures	10,000	Partners funds
	4.1.3. The NOWPAP Member States adopt Regional Action Plan for Marine and Coastal Biodiversity Conservation	Develop the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP BIO) (CEARAC supported by RCU and other RACs)	- Draft RAP BIO prepared; - The 2 nd and the 3 rd workshops on RAP BIO organized successfully	15,000 for the 2 nd workshop (CEARAC Remaining funds for 2018-2019) 30,000 (RCU– an Int'l consultant and the 3 rd workshop)	

Strengthening regional cooperation through partnership building and resource mobilization

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-2 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
<p>Objective 5, tasks (b), (d), and (e)</p> <p>SDG 17</p> <p>IGM-16 decision on RCU coordinating role for environmental protection activities among RACs</p> <p>UNEP Marine and Coastal Strategy</p> <p>Resolutions of UNEA and other global and regional forums</p> <p>Implementation of NOWPAP voluntary commitment to Ocean Conference on SDG 14</p>	<p>NOWPAP network of Regional Activity Centers is managed effectively and complemented by well-functioning multi-stakeholder partnerships</p>	<ul style="list-style-type: none"> - Implement and report on all IGM decisions, including project development and management and partnership building (RCU with RACs) - NOWPAP tangibly contributing to global, regional, national and sub-national meetings and events increase visibility and attract new partners (RCU with RACs) - Maintain effective and regular dialogue, information exchange and communication between RCU and RACs and between RACs themselves (RCU) 	<ul style="list-style-type: none"> - All IGM decisions are implemented - Existing partnerships are strengthened, and new ones established. - Records of partnership building provided at each IGM - Communication and assistance provided to RACs - Number and quality of joint activities between RACs - All RAC projects are being executed on time and with high quality outcomes - Record of NOWPAP - increasing visibility at - face-to-face meetings and in media reported at IGMs 	142,351 (RCU)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-2 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	(Continued)	<ul style="list-style-type: none"> - Increasing number of joint activities among RACs (RCU supported by RACs) - Implement RAC work plans within budgets and in accordance with agreed milestones (RACs) 	(Continued)	(Continued)	(Continued)
		Organize efficiently CEARAC Focal Points and relevant expert meetings	- Progress reviewed and meeting recommendations implemented.	59,000 (CEARAC)	
		Organize efficiently DINRAC Focal Points and relevant expert meetings	<ul style="list-style-type: none"> - Progress reviewed and meeting recommendations implemented. - DIRNAC new directions identified. 	84,000 (DINRAC)	
		Organize efficiently MERRAC Focal Points meetings	<ul style="list-style-type: none"> - Implementation of the RCP discussed - Relevant information on oil and HNS spill preparedness and response in the region exchanged 	74,000 (MERRAC)	
		Organize efficiently POMRAC Focal Points meetings	- Progress reviewed and meeting recommendations implemented.	56,000 (POMRAC)	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-2 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
(Continued)	NOWPAP Trust Funds are managed efficiently and effectively through improved administrative, financial and human resources management	<ul style="list-style-type: none"> - Provide quality support to RACs for financial and administrative operations (RCU) - Ensure quality and timeliness of procuring goods and services - Efficiently organize and provide logistical support to hosting countries for NOWPAP IGMs - Revise NOWPAP monitoring and evaluation processes, including the development and monitoring of the MTS 2018-2023 Results Planning and Performance Reporting Framework (RPPRF) - Internal NOWPAP audit - Review of Special Projects 	<ul style="list-style-type: none"> - Financial transactions and administrative services provided and recorded in accordance with UN rules and regulations - Timely processing of cash advances and accurate recording of RAC expenditures by RCU and UNEP HQ - Timely and efficient processing of contracts, procurement and other relevant services 	59,000 (RCU)	
	NOWPAP communications, public advocacy and digital engagement products better inform, influence and mobilize stakeholders and resources for	Produce information and outreach materials increasing NOWPAP visibility (RCU supported by RACs)	- Number and quality of NOWPAP public outreach materials reported to each IGM	5,000 (CEARAC) 12,000 (DINRAC) 9,000	

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-2 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
	the protection of marine and coastal environment		- Regularly updated and renewed NOWPAP corporate website	(MERRAC)	
(Continued)	(Continued)	Upgrade and regularly update RAC websites (RACs)	- Regularly updated and renewed RACs websites	(Continued) 2,000 (POMRAC)	
		Completion of NOWPAP Communication Strategy and its implementation		25,000 (RCU)	
		- RCU additional communication efforts to support expanded mandate		28,000 (RCU, Comms Strategy and implementation)	
	External capacity and financial resources are mobilized for the implementation of NOWPAP activities	<ul style="list-style-type: none"> - Maintain existing and find new partners and donors (RCU supported by RACs) - Prepare and secure funding for NOWPAP special projects and initiatives - Increase consistently amount of mobilized external human and financial resources (RCU and RACs) 	<ul style="list-style-type: none"> - Records of mobilized financial resources by RCU and RACs external to NOWPAP TF and reported at IGMs show a consistent increase - NOWPAP special projects/ initiatives are fully developed and their implementation started - Regular internship program at both RCU offices 	45,351 (RCU) ⁶	

⁶ Amount has been already included in the first line of the Partnership Building and Resource Mobilization Table

Relevance to NOWPAP Objectives, NOWPAP MTS 2018-2023, NOWPAP EcoQOs, SDGs, links to other actions	Outcomes / Expected Accomplishments	2020-2 PoW Activities (leading RAC(s) or RCU)	2020-21 PoW Outputs / Performance indicators	Resources (USD)	
				TF	External
		<ul style="list-style-type: none"> - Maintain a regular internship program (RCU) - Review of Special Project 	evaluated a successful by interns	10,000 (RCU)	

Annex 2. NOWPAP Programme of Work 2020-21: RCU and RACs Budgets⁷

2020-2021 PoW Activities ⁸	Resources (USD)	
	TF	External
RCU		
<ul style="list-style-type: none"> - Implement and report on all IGM decisions, including project development and management and partnership building - NOWPAP tangibly contributing to global, regional, national and sub-national meetings and events increase visibility and attract new partners - Maintain effective and regular dialogue, information exchange and communication between RCU and RACs and between RACs themselves, Increasing number of joint activities among RACs - Resource mobilization activities 	142,351	
<ul style="list-style-type: none"> - Provide quality support to RACs for financial and administrative operations - Ensure quality and timeliness of procuring goods and services - Efficiently organize and provide logistical support to hosting countries for NOWPAP IGMs - Revise NOWPAP monitoring and evaluation processes, including the development and monitoring of the MTS 2018-2023 Results Planning and Performance Reporting Framework (RPPRF) 	59,000	
<ul style="list-style-type: none"> - RCU additional communication efforts to support expanded mandate (incl. RAP MALI) - Implementation of the revised NOWPAP Communication Strategy 	28,000	Hosting Member States
Completion of NOWPAP Communication Strategy and its implementation	25,000	
<ul style="list-style-type: none"> - Contribute to the development of NOWPAP MPAs network through regional cooperation with the Yellow Sea LME Phase II project and with NEASPEC on NEAMPAN project led by the Russian Federation (RCU supported by CEARAC and POMRAC) 	10,000	Partner funds
Internal NOWPAP Audit	5,000	
Review of Special Project	10,000	
Preparation of RAP BIO	30,000	
TOTAL	309,351	

⁷ Excluding 13% of PSC and 1% of UN Reform Levy

⁸ See also Table 1.

2020-2021 PoW Activities	Resources (USD)	
	TF	External
RAP MALI		
Organize annual NOWPAP-TEMM Marine Litter Management Workshops and International Coastal Cleanup campaigns (RCU supported by RACs)	40,000	
Enhance the Northwest Pacific regional node of the Global Partnership on Marine Litter (GPML) (RCU and DINRAC/other RACs)	22,000 (2000 for each member state for data collection; 14,000 for DINRAC to maintain the Node)	.
Revision of RAP MALI (RCU and RACs)	29,000	
TOTAL	91,000	
CEARAC		
Evaluation of distribution of tidal flats and salt marshes in the NOWPAP region	20,000	
Organization of a training course on Environmental DNA analysis	25,000	
Update of HAB database and HAB reference database	9,000	
Case studies of estimating seagrass blue carbon in selected sea areas in the NOWPAP region	27,000	
Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for assessment and monitoring of eutrophication using satellite chlorophyll-a	20,000	
Organization of the 5th Training Course on Remote Sensing data analysis	20,000	
Organization of focal points and expert meetings	54,000	
Maintenance of Websites	5,000	
Cooperation/coordination	5,000	
TOTAL	185,000	

2020-2021 PoW Activities	Resources (USD)	
	TF	External
DINRAC		
Upgrade and regularly update DINRAC Website with additional WebGIS-based maps developed	43,000	
Annual Summary of Major Marine Environmental Data Available in Member States	23,000	
Collect data and information on species filed in the Red Lists of NOWPAP Member States, Phase 3	23,000	
Strengthen regional capacity on data and information share through the 18th and 19th DINRAC Focal Point Meeting	50,000	
Expert meeting on the annual summary of marine environmental data and species filed in the Red lists	17,000	
Brainstorm meeting of future directions of DINRAC	17,000	
Coordination of international cooperation	12,000	
TOTAL	185,000	
MERRAC		
Organize efficiently RAC Focal Points and Competent National Authority meetings	52,000	
Conduct expert meeting to discuss technical issues on oil and HNS spill preparedness and response in Japan	27,000	
Assessment of the implementation of the OPRC Convention and OPRC-HNS Protocol in the NOWPAP region	16,000	
Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework (e.g., oil-waste discharge from ships, fuel-oil quality, etc.)	16,000	
Response options for condensate spill in context of update of NOWPAP MERRAC Regional Report on HNS Preparedness and Response, 2012	16,000	
Proposal of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response (by the organization of expert groups on specific issues such as oil finger-print, oil spill modeling, emergency salvages, etc.)	27,000	
Maintenance and management of MERRAC website	5,000	
Coordination with IMO/UNEP and Regional Seas	22,000	
Publications and other miscellaneous costs	4,000	
NOWPAP Exercise - DELTA Exercise (to be led by Korea)		In-kind (MS)
TOTAL	185,000	

2020-2021 PoW Activities	Resources (USD)	
	TF	External
POMRAC		
Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2: <ul style="list-style-type: none"> - Preparation of national inputs for the development of EcoQO targets - Compilation of National Inputs and preparation of draft regional synthesis report - Finalizing and printing of the regional synthesis report on the Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2) - Report of the regional workshop "Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2" 	41,000	
The preparation of SOMER-3 (Phase 1) – The integrated assessment of environmental problems, status and trends related to existing and changing natural and socio-economic conditions in the NOWPAP region <ul style="list-style-type: none"> - Workshop on SOMER-3 structure - Preparation of the different chapters for SOMER-3 and compilation of the draft SOMER-3 – The integrated assessment of environmental problems, status and trends related to existing and changing natural and socio-economic conditions in the NOWPAP region 	48,000	
Preparation of the Regional Overview "Microplastics abundance in river runoff of the NOWPAP region." <ul style="list-style-type: none"> - Preparation of and draft RO and finalization National Inputs on the river runoff of microplastics to the coastal zone of the NOWPAP region - Seasonal survey of microplastic runoff with river NOWPAP region RF include Amur/Heilong - Finalization and publication of the regional Overview 	38,000	
Strengthen regional capacity on pollution monitoring through knowledge and information sharing and capacity building <ul style="list-style-type: none"> - to organize the 17th and 18th Focal Points Meeting - Inputs to NOWPAP RAC activities and technical reports, contributions to national, regional and global meetings and processes 	56,000	
Update, maintain and enrich POMRAC website	2,000	
TOTAL	185,000	

Annex 3. History of Revisions

Revision Number	Date	Changes Introduced	Comments
Rev 0	7 Jan 2020		
Rev 1	24 Jan 2020	<ul style="list-style-type: none"> – Formatting of tables – POMRAC – 56,000US\$ – RCU Resource Mobilization – 45,351 – CEARAC: 54,000US\$ adjusted to 59,000US\$ – CEARAC changed to MERRAC: 16,000 – MERRAC Communications 5,000 US\$ changed to 9,000 US\$ – MERRAC FPM: 52,000 US\$ changed to 74,000 US\$ – DINRAC: Communications 43,000US\$ changed to 12,000 US\$ – RCU – Review of Special Projects added 10,000US\$ – Minor editorial improvements. 	