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Northwest Pacific Action Plan

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Northwest Pacific Action Plan
Pollution Monitoring Regional Activity Centre (POMRAC)

The 18th NOWPAP POMRAC Focal Points Meeting (FPM)
7-8 December 2021, Virtual

REPORT OF THE NOWPAP REGIONAL COORDINATING UNIT (RCU) ON THE PROGRESS IN THE IMPLEMENTATION OF THE NORTHWEST PACIFIC ACTION PLAN

This document was submitted by the Northwest Pacific Action Plan (NOWPAP) Regional Coordinating Unit (RCU), as the report on the implementation of NOWPAP activities carried out after the **Seventeenth** POMRAC Focal Points Meeting.

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List of Acronyms

| | |
|----------|--|
| APN | Asia-Pacific Network for Global Change Research |
| CEARAC | Special Monitoring and Coastal Environmental Assessment Regional Activity Centre |
| CNA | Competent National Authorities |
| COBSEA | Intergovernmental Meeting of the Coordinating Body on the Seas of East Asia |
| CRAES | Chinese Research Academy of Environmental Sciences |
| DINRAC | Data and Information Networking Regional Activity Centre |
| eDNA | Environmental DNA |
| DLT | UNEP Ecosystems Division's Division Leadership Team |
| EAS | East Asian Seas |
| EcoQO(s) | Ecological Quality Objective(s) |
| FECO | Foreign Environmental Cooperation Centre |
| FPs | Focal Points |
| FPM | Focal Points Meeting |
| GEE | Google Earth Engine |
| GEO | Group on Earth Observations |
| GPA | Global Programme of Action for the Protection of the Marine Environment from Land-based Activities |
| GPML | Global Partnership on Marine Litter |
| HNS | Hazardous and Noxious Substances |
| HAB(s) | Harmful Algal Bloom(s) |
| HR | Human Resources |
| HQs | Headquarters |
| ICARM | Integrated Coastal and River Basin Management |
| ICC | International Coastal Cleanup Campaign |
| IGM | Intergovernmental Meeting |
| IMO | International Maritime Organization |
| LLC | Limited Liability Company |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| MED | Marine Environmental Data |
| MERRAC | Marine Environmental Emergency Preparedness and Response Regional Activity Centre |
| MEQ | Marine Environmental Quality Committee |
| MoU | Memorandum of Understanding |
| NPAFC | North Pacific Anadromous Fisheries Commission |
| NEAT | NOWPAP Eutrophication Assessment Tool |
| NFP | National Focal Points |
| NMEMC | National Marine Environment Monitoring Centre of China |
| NOWPAP | Northwest Pacific Action Plan |
| NPEC | Japan's Northwest Pacific Region Environmental Cooperation Centre |

| | |
|-----------------|---|
| OPRC Convention | International Convention on Oil Pollution Preparedness, Response and Co-operation |
| PCA | Project Cooperation Agreement |
| PEMSEA | Partnerships in Environmental Management for the Seas of East Asia |
| PICES | North Pacific Marine Science Organization |
| PHP | Personal History Profile |
| PNL | PNL fund (NOWPAP activities) |
| PSC | Project Support Costs |
| POMRAC | Pollution Monitoring Regional Activity Centre |
| PoW | Programme of Work |
| QNL | QNL funds (staffing costs) |
| RAC(s) | Regional Activity Centre(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 |
| RSSD | Regional Seas Strategic Directions (2022-2025) |
| SDG(s) | Sustainable Development Goal(s) |
| SOMER | State of the Marine Environment Report for the <i>NOWPAP</i> Region |
| SSFA | Small Scale Fund Agreement |
| TEMM | Tripartite Environment Ministers Meeting (China, Japan, Korea) |
| ToR | Terms of Reference |
| UNEP | United Nations Environment Programme |

1. Explanatory note

1.1. Introduction

1. The current NOWPAP Programme of Work 2020-2021 was approved on 18 May 2020 by all Member States following multi-round consultations by email (UNEP/NOWPAP IG. EO3/12). All four Member States had approved this procedure due to the impossibility to organise a face-to-face discussion caused by travelling restrictions introduced by all four NOWPAP Member States following the outbreak of COVID-19 coronavirus.

1.2. Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (CEARAC)

2. The total approved CEARAC budget is USD185,000 for 2020-2021. The budget proposal explained in the document (UNEP/NOWPAP IG. EO3/4-1) presents a detailed overview of the activities planned. In addition to the regular CEARAC activities, such as the organisation of the Focal Point Meetings, the following actions are proposed:

- Assessment of tidal flats and salt marshes distribution in the NOWPAP region
- Organization of a training course on eDNA analysis
- Updating information on HAB database and HAB Reference Database
- Conducting case studies on estimating seagrass blue carbon in selected sea areas in the NOWPAP region
- Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for the assessment and monitoring of eutrophication using satellite chlorophyll-a
- Organization of the Fifth NOWPAP Training Course on Remote Sensing Data Analysis.

1.3. Data and Information Networking Regional Activity Centre (DINRAC)

3. The total approved **DINRAC** budget is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. EO3/4-2). During 2020-2021, DINRAC will continue its regular activities, including organising Focal Point Meetings and updating and supplementing existing databases and managing the Northwest Pacific Regional Node of the Global Partnership on Marine Litter. The following activities were proposed for 2020-2021:

- An annual Summary of Major Marine Environmental Data available in the Member States, which is an essential routine work for DINRAC
- 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,
- An expert meeting and a brainstorming workshop for future directions of DINRAC.

1.4. Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC)

4. The total approved **MERRAC** budget is USD185,000. The budget proposal is included in the document (UNEP/NOWPAP IG. EO3/4-3). MERRAC will utilise these resources to organise Focal Point and National Competent Authorities meetings and 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:

- 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,
- 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),
- 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),
- 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 fingerprint, oil spill modelling, emergency salvages, others.

1.5. Pollution Monitoring Regional Activity Centre (POMRAC)

5. The total approved **POMRAC** budget for 2020-2021 is USD185,000. The budget proposal is explained in the document (UNEP/NOWPAP IG. EO3/4-4). Resources are requested to organise 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:

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

1.6. Regional Action Plan on Marine Litter (RAP MALI)

6. The total approved **RAP MALI** budget is USD 111,000. In addition, 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.

1.7. Regional Coordination Unit (RCU)

7. RCU budget is targeted to support the operation of the RCU offices, public awareness and communications activities, resource mobilisation and coordination of RACs. In addition, RCU will continue strengthening regional partnerships. Special attention needs to be paid to completing the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP BIO). 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 several other aspects. 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.

8. A breakdown of RCU-coordinated activities in 2020-2021 and the overall biennial budget of the NOWPAP Regional Activity Centres are presented in Table 1 below.

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

| RACs/Projects/Activities | Approved Budget for 2020-2021, thousand US\$ |
|--|--|
| CEARAC | 185 |
| DINRAC | 185 |
| MERRAC | 185 |
| POMRAC | 185 |
| RAP MALI | 111 |
| Communication Activities and Public Awareness (RCU) | 38 |
| - Coordination of RACs (RCU) - Implementation of NOWPAP (RCU) | 104 |
| RCU Operation (RCU) | 50 |
| Resource Mobilization (RCU) | 27 |
| Contribution to the development of MPAs network | 10 |
| NOWPAP Special Projects / Initiatives | - |
| Preparation of RAP BIO | 30 |
| Communications Strategy Development | 15 |
| Internal Audit | 5 |
| Evaluation of Special Projects (Review) | 10 |
| Sub-total | 1,140 |
| 13% of the sub-total as Programme Support Cost | 160 |
| TOTAL | 1,300 |

2. Overall Assessment of the Progress as of September 30, 2021

9. Highlights of the key activities are presented in Section 4 below, whereas a detailed reporting on each activity and the progress made in Q2-2021 are presented in Annex 1.

10. An overview and the status of legal instruments (agreements) with RACs are presented in **Ошибка! Источник ссылки не найден..**

11. The NOWPAP PoW 2020-2021 includes the following five Priority Areas:

- Priority Area 1 – “Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM)”
- Priority Area 2 – “Assess the Status of the Marine and Coastal Environment”
- Priority Area 3 – “Prevent and Reduce Land- and Sea-Based Pollution”
- Priority Area 4 – “Conserve Marine and Coastal Biodiversity”
- Strengthening regional cooperation through partnership building and resource mobilization.

12. Overall, almost all activities of PoW 2020-2021 started, totalling 81 (same as in Q1-2021) of 86¹ (94%) (Figure 1). Despite a slower start of activities caused due to the delayed approval of PoW, in its turn, as well as by the COVID-19 pandemic, a major part of activities, whenever possible, have been expedited. However, several activities will still be further delayed or cancelled (e.g., ICC in Russia 2020 was cancelled, ICC in Japan 2021, face to face Focal Points meetings, etc.) due to restrictions introduced by the governments in relation to the COVID-19 pandemic. In this situation, when the number of new infections with COVID-19 in some of the NOWPAP Member States are growing, still several activities for 2021 have not been confirmed.

13. By the end of Q3-2021, the estimated progress achieved by all NOWPAP bodies had reached 68% in comparison with Q2-2021 being 55% and with Q1-2021 being 43.8%. A summary and the dynamics of the progress of NOWPAP in the implementation of PoW 2020-2021 is presented in Table 2 and Figure 1 below.

14. Amongst the five Priority Areas of the NOWPAP PoW, the least progress has been achieved so far in Priority Area 4 - Conserve Marine and Coastal Biodiversity, Priority Area 1 - Support Ecosystem-Based Integrated Coastal and River Basin Management (ICARM): 38% and 44% accordingly (26% and 29% in Q2-2021), whereas the highest progress was reported for the Regional Cooperation – 76.5%. A more detailed comparative presentation of the progress of individual Priority Areas is presented in Figure 2 and Table 1 below.

15. A detailed presentation of each individual Priority Area is presented in **Ошибка! Источник ссылки не найден..**

¹ In the previous reports, 88 activities were referred to as the total number of activities in the NOWPAP PoW 2020-2021. However, following a request from MERRAC, 3 activities under POW item 3.1.1 “Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework” were combined into one activity on the development of a regional report through case studies. Following this change, the total number of activities was reduced respectively to 86. Therefore, all estimates have been adjusted accordingly.

Figure 1 Estimated Progress of NOWPAP in Q2-2021

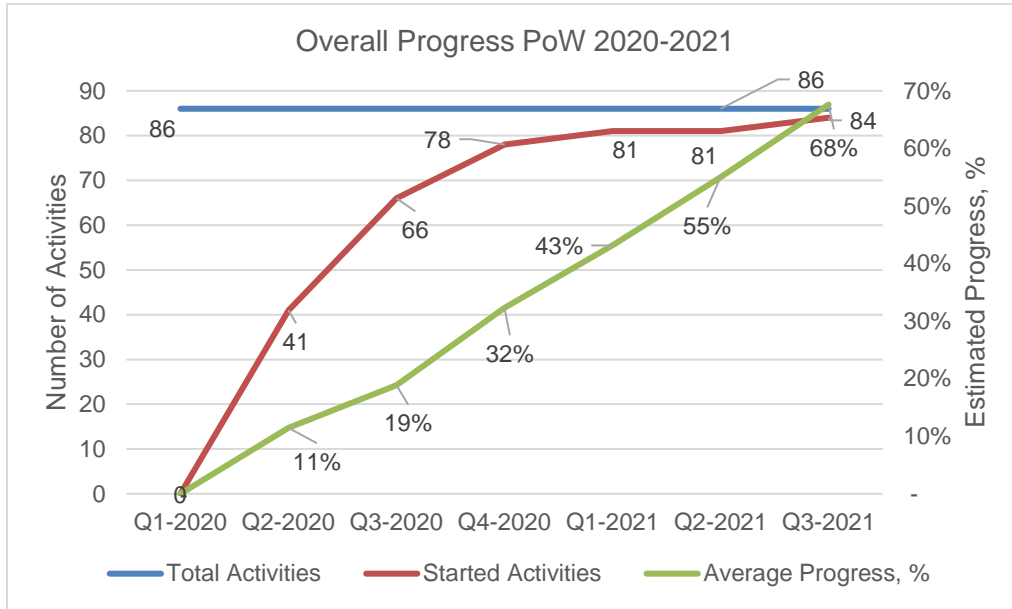


Figure 2 Comparative Progress of Priority Areas

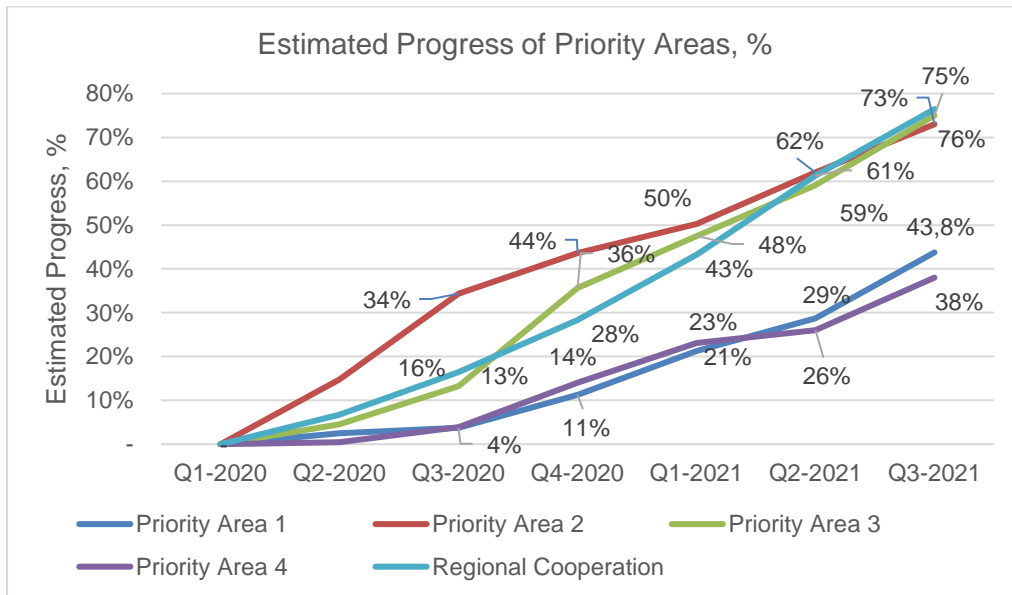


Table 2 Progress of Individual Priority Areas

| Priority Areas | 2020 | | | | 2021 | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| Priority Area 1 | N/A | 2.5% | 3.8% | 11.3% | 21.3% | 28.8% | 43.8% |
| Priority Area 2 | N/A | 14.8% | 36.2% | 43.6% | 52.0% | 62.0% | 73.0% |
| Priority Area 3 | N/A | 3.8% | 11.1% | 37.3% | 47.5% | 59.1% | 75.0% |
| Priority Area 4 | N/A | 0.5% | 3.9% | 14.1% | 23.1% | 26.0% | 38.0% |

| | | | | | | | |
|----------------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Cooperation | N/A | 6.7% | 16.5% | 27.9% | 43.2% | 61.3% | 76.5% |
| PoW 2020-2021 | N/A | 11.2% | 18.9% | 33.7% | 43.5% | 55.0% | 67.6% |

3. Financial Report of Implementation of PoW 2020-2021

16. As presented in Table 1, the total budget for the NOWPAP PoW 2020-2021 is USD1.3M.

17. Actual expenditures of NOWPAP for the implementation of PoW 2020-2021 are reported expectedly lower than originally planned. This estimate is explained by the delays caused by the COVID-19 pandemic. Many activities requiring the participation of experts in person have been either converted to a virtual online format (e.g., regular meetings, including meetings organised by RACs) or cancelled (e.g., ICC 2020 in Russia), which caused a significant portion of the related planned budget has not been utilised, especially that requiring international travelling.

18. However, RCU and RACs are coordinating the implementation of activities, which could be implemented with the account of the restrictions caused by the pandemic, in an expedited manner. Several consultancy contracts either have been or are being prepared and several legal instruments with RACs and other partners. An overview of the committed funds (including actual expenditures and committed through the contract's funds) is presented in Table 3 below. A detailed presentation of the implementation status of SSFAs/PCAs concluded within PoW 2020-2021 is presented in **Ошибка! Источник ссылки не найден..**

Table 3 Overview of NOWPAP Financial Commitments for PoW 2020-2021

| Class FT30_CLASS | NOWPAP Trust Fund (40PNL) | | | | | |
|---------------------|------------------------------------|------------------|---|---------------|----------------|----------------|
| | BUDGET: 2020-2021, US\$ | | Commitment/Expenditure in 2020-2021, US\$ | | | |
| | Description | Budget | 2020 | 2021 | Total | Balance |
| _160 | Travel | 146,000 | 3,097 | 3,569 | 6,666 | 139,334 |
| _120 | Contractual Services | 183,500 | 11,443 | 64,579 | 76,022 | 107,478 |
| _125 | Operating & Other Direct Costs | 34,000 | | | | 34,000 |
| _130 | Supplies Commodities & Materials | 16,500 | 984 | 656 | 1,640 | 14,860 |
| _135 | Equipment, Vehicles & Furnitures | 20,000 | | | | 20,000 |
| _140 | Transfer/Grant to IP | 740,000 | 770,000 ² | 10,000 | | -40,000 |
| _155 | Project Support Costs ³ | 160,000 | 102,122 | 1,174 | 103,296 | 56,704 |
| Grand Total | | 1,300,000 | 887,646 | 79,978 | 967,624 | 332,376 |
| | | | 68% | 6% | 74% | 26% |

² The difference is related to the funds transfer to CRAES for the Special Project on Microplastics (PoW 2018-2019) as due to an issue with the Beneficiary Name in the system, the first transfer never reached accounts of CRAES in 2019. After the transfer was re-called, the funds were received in 2020.

³ Project Support Costs (PSC) – 13%.

4. Highlights of Achievements from September 2019 to September 2021

19. The key highlight of achievements of NOWPAP in above mentioned period include:

4.1. UNEP Headquarters

20. RCU regularly attended the Ecosystems Integration Branch meetings, as well as a regular meeting of the UNEP Regional Seas Programme Coordinators (monthly).

21. NOWPAP team continued contributing to a key of strategic papers and documents developed by or consulted with the UNEP HQs, including a concept of a side event of the Regional Seas Programme at UNEA 5.2, as well as other documents.

22. In Q2-2021 significant staff changes were observed in UNEP HQ in the Ecosystems Integration Branch of the Ecosystems Division, as well as in the Regional Seas Programmes and Actions Plans, to which NOWPAP belongs. Specifically, Coordinators of UNEP/MAP (the Mediterranean) and COBSEA (the Seas of East Asia) have been changed:

- UNEP/MAP – New Coordinator – Mrs. Tatiana Hema (permanent)
- COBSEA – New Coordinator – Mr. Mahesh Pradhan (interim).

23. In Q2-Q3 2021 an institutional review was conducted of the Cartagena Convention for the Caribbean (with the Secretariat in Kingston, Jamaica) prior to the regular Conference of Parties (COP). Significant staff changes have been proposed and supported by the countries. The final scope of changes is not clear yet.

24. UNEP is introducing a new corporate solution within UMOJA – the Integrated Planning, Management and Reporting (IPMR) module. By integrating Umoja modules such as Strategic Management, Budget Formulation and Project System, the Integrated Planning, Management and Reporting solution offers a holistic, end-to-end solution to manage the lifecycle of UNEP programmes and projects.

25. This development will have a direct impact on NOWPAP, as NOWPAP project has been converted to IPMR. In Q2-2021, NOWPAP staff have gone through a mandatory training, and a final structure of NOWPAP in IPMR was being prepared to be finalized in Q3-2021. NOWPAP Staff is being supported by colleagues from the Ecosystems Division in UNEP HQs to ensure a smooth transition of the NOWPAP project to IPMR.

26. Regular monthly meeting between NOWPAP RCU staff and financial and administrative team in Nairobi established earlier in 2021 continued. These meeting are considered very useful, as there is an opportunity to discuss pending issues. According to the experience, the regular meetings (with ad-hoc involving HQ staff from other relevant Divisions, like the Corporate Service Division, CSD) became instrumental in expediting several key issues of NOWPAP implementation.

4.2. Regional Coordination Unit

27. The 3rd Extraordinary NOWPAP IGM was organized on January 27, 2021. It was attended by the governmental officials, researchers from the region, RACs, UNEP, including several UNEP-administered Regional Seas Programmes and Action Plans, and the Partnerships in Environmental Management for the Seas of East Asia (PEMSEA). The meeting reviewed the progress of

implementing the Northwest Pacific Action Plan and discussed schedules to complete the Regional Action Plan on Marine and Coastal Biodiversity Conservation, NOWPAP Communication Strategy, promotion video, special projects on microplastic assessment and key indicator species, etc.

28. Following the resolutions of the 3rd Extraordinary NOWPAP IGM, RCU received feedback from the NOWPAP Member States on the following ToRs:

- International Consultant: NOWPAP MTS 2018-2023 Mid-Term Review and Revision of the Monitoring and Evaluation Framework (UNEP/NOWPAP 3EO/13, Resolution 6.2) - deadline: June 11, 2021.
- International Consultant: Development of a Positioning Paper on Institutional Analysis of NOWPAP and Operation of Individual RACs (UNEP/NOWPAP 3EO/13, Resolution 7.3) – deadline: July 2, 2021.

All comments provided by the Member States have been incorporated into the updated ToR and recruitment procedure has been started. Due to the importance of these two assignments to NOWPAP, a vacancy announcement has been published in INSPIRA to attract a wider range of potential candidates. It is expected that evaluation of the applications and contracting of selected consultants will be completed in Q4-2021.

29. In line with the resolution of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 4.4), RCU supported the development of a revised Concept of the Special Project “Key Identification of key indicator species and ecosystems of biodiversity change in the NOWPAP region” (See more details in Section 4.9). There was no progress on this task in Q3-2021. The concept developed has been reviewed by the Member States, who provided feedback and comments. The concept has been updated accordingly. The finalised project concept will be submitted to the Member State for consideration and approval at the 24th NOWPAP IGM.

30. RCU staff contributed to a number of events organised by UNEP on the development of the Regional Seas Strategic Directions (2022-2025) (RSSD), which are developed to strategically guide the development of the UNEP Regional Seas Programmes and Action Plans. A number of goals and targets of the RSSD.

31. RCU continued hiring of an international consultant to revise the NOWPAP Communication Strategy and five Promotional Videos (UNEP/NOWPAP 3EO/13, Resolution 5.2). There have been some administrative delays with issuing the contract beyond RCU’s control. Due to change of staff in UNEP HQs and additional requirements for recruiting individual experts, more delays were encountered with this (and other) contracts. It is expected that the contracting will be finalised in Q4-2021.

32. In accordance with the Resolution 7 of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 7.4), RCU has developed the first draft of a concept for a NOWPAP Award and sent it to the National Focal Point of Russia for feedback. Proposed draft has been considered by the National Focal Point of Russia and a series of comments provided to RCU. The comments have been addressed but further discussions are required to finalise the concept. Finalisation of the concept is expected in Q4-2021 to be further submitted to all NOWPAP Member States for feedback.

33. RCU continued efforts to complete the process to support POMRAC through hiring consultants for POMRAC to implement their activities through the UN system (Annex 3). As stated above, more

delays were encountered with these contracts. RCU continued closely working with UNEP HQs and consultants to expedite the process of contracting.

34. The Small-Scale Funding Agreement (SSFA) for MERRAC QNL 2021 was prepared, duly processed in UNEP's Partners Portal and countersigned on 30 June 2020. The first installment for MERRAC QNL 2021 was paid on 20 September 2021.

35. The NOWPAP Quarterly Newsletter for Q1-2021 and Q2-2021 were prepared and circulated in April and July 2021 respectively. The next issue for Q3-2021 is being also prepared to be circulated in Q4-2021 (estimated October 2021).

36. The following web stories were posted on the NOWPAP website:

[Globally consistent assessment of coastal eutrophication](#)

[Celebrating the 30th Anniversary of the Republic of Korea joining the United Nations](#)

[Reviewing marine environmental data and information sharing in the NOWPAP region](#)

[Virtual Intersessional Workshop for the Sustainable Ocean Initiative \(SOI\) Global Dialogue](#)

[NOWPAP participated in a beach clean-up campaign Toyama](#)

[Exploring further collaboration with North Pacific Marine Science Organization](#)

[Reviewing the progress of addressing marine litter in the Northwest Pacific region](#)

[NOWPAP Contributes to the Korea Global Forum for Peace 2021](#)

[Sharing NOWPAP's experience in addressing marine litter with local governments in the Asia and Pacific region](#)

[Advancing environmental monitoring and assessment in Northwest Pacific region](#)

[NOWPAP strengthens collaboration with Toyama City](#)

[Survey of Microplastic on Beaches Conducted with Citizens' Participation](#)

[Strengthening regional cooperation on marine pollution preparedness and response in the Northwest Pacific region](#)

[Exploring cooperation in oil fingerprinting and addressing illegal discharge from ships in the Northwest Pacific region](#)

[Developing a project proposal on conservation of biological diversity in the NOWPAP region](#)

[Progress Meeting of the development of a Near Real-Time Monitoring System for Marine and Coastal Eutrophication Using Google Earth Engine](#)

[A virtual Meeting of NOWPAP on the development of State of Marine Environment Report \(SOMER-3\)](#)

[NOWPAP Showcased its Achievements in Addressing Marine Litter through a Webinar](#)

[Cooperating with Chungcheongnam-Do in addressing marine litter](#)

[Marine Scientists assess seagrass blue carbon in the NOWPAP region](#)

[Launch of the report “Stronger together: The role of regional instruments in strengthening global governance of marine plastic pollution”](#)

[NOWPAP attends the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research](#)

[Governments pledged to enhance cooperation at the Third Extraordinary NOWPAP Intergovernmental Meeting](#)

[A Courtesy Visit to Governor of Toyama Prefecture, Japan](#)

[Brainstorming how to Improve Data and Information Sharing in the NOWPAP Region](#)

[Brainstorm on the Revision of the NOWPAP Regional Action Plan on Marine Litter](#)

[Review the Progress in Addressing Marine Litter in the Northwest Pacific Region](#)

[Showcasing NOWPAP’s Efforts in Addressing Marine Litter in the Incheon Ocean Forum](#)

[Enhance the Compatibility between Regional Seas Programmes and the post-2020 Global Biodiversity Framework](#)

[NOWPAP Assessment Tools Highlighted in 9th Geo for Good Summit](#)

[NOWPAP Congratulates the Yellow Sea Large Marine Ecosystem Project on its Achievements](#)

[Combatting Marine Plastic Pollution: Possible Roles and Contribution of Regional Instruments in Strengthening Global Governance](#)

[Extending Cooperation with PICES in the Field of Marine Environmental Quality](#)

[NOWPAP and PEMSEA to Renew Bilateral Cooperation](#)

[Kick-off of a Project to develop a monitoring system for eutrophication using Google Earth Engine](#)

[Enhancing cooperation on marine environmental protection with the Countries of East Asia](#)

[The Group on Earth Observations and Google Earth Engine Support to Develop a Eutrophication Monitoring Tool](#)

[Brainstorming regional cooperation on reducing marine plastics](#)

[Sharing experience on NOWPAP in information management on marine litter with ASEAN countries](#)

[Approving biennial work plan to advance marine and coastal environment protection in NOWPAP region](#)

[2019 Marine Environmental Emergency Preparedness and Response Regional Activity Centre Expert Meeting](#)

High priority activities identified for future marine biodiversity conservation

Designing a roadmap to develop the Regional Action Plan on Marine and Coastal Marine Biodiversity Conservation

Designing a roadmap to develop the Regional Action Plan on Marine and Coastal Marine Biodiversity Conservation

Shanghai forum brainstorms combating marine plastic waste

Highlighting regional cooperation to address marine litter in a regional training

Harmonizing methods to monitor microplastic pollution

Chinese volunteers team up to clean up beach in Dalian

Exploring ways to improve waste management to reduce marine litter to the oceans

Developing regional action on marine biodiversity conservation in the Northwest Pacific

4.3. DINRAC

Major Marine Environmental Data collection in NOWPAP Member States

37. The marine environmental data information (2018-2019) of China and Russia has been compiled according to the template. Including Major Sea Water Quality and Major Pollutants, Coastal Province Marine Water Quality and Major Pollutants, Water quality of the sea-oriented rivers, Amount of major pollutants from direct discharge sources of the Sea Area, Amount of major pollutants from direct discharge sources of Provinces, Sediment of coastal sea areas, Occurrence of Harmful Algal Bloom, Atmospheric Deposition of Pollutants-wet deposition and Sea water quality standard (GB 3097-1997), etc. All data to be collected, analysed and uploaded to the website. Data sources include Bulletin of Marine Ecology and Environment Status of China in 2019. Ministry of Ecology and Environmental of the People's Republic of China, 2020. Report on the ecological situation in Primorski Krai in 2019. Report on the environment state and protection of the Sakhalin region in 2019. Review of the environment condition and pollution in the Russian Federation for 2019, a yearbook of quality of surface waters of the Russian Federation for 2019, etc.

Collection of Data and Information on Species Filed in the Red Lists of NOWPAP Member States

38. The Data and Information on Species Filed in the Red Lists of China, Japan and Russia have been compiled. Data sorting and analysis was carried out, after all the data had collected and entered into the databases of the website.

Experts meeting of DINRAC

39. The NOWPAP DINRAC Thematic Further Development Perspective Seminar 2021 has been held, meeting plans and meeting documents prepared and circulated. Experts from the Nankai University, Chinese Academy of Sciences and other scientific research institutes were invited to

participate in the meeting to ensure the knowledge sharing and facilitate the discussions on marine environment monitoring, marine data visualisation, etc.

GPML NW Pacific Regional Node

40. An English version of the Marine Litter Monitoring APP has been initially developed, and a beta version is currently being promoted.

4.4. CEARAC

41. Following CEARAC FPs' agreement on the implementation plan for six specific projects in September 2020, CEARAC officially started activities for the 2020-2021 biennium after Sept 2020 with a significant delay caused by COVID-19 pandemic. An update of the progress of each activity in Q3-2021 is presented below:

Assessment of tidal flats and salt marshes distribution in the NOWPAP region

42. To improve the first draft map of tidal flats and salt marshes in the NOWPAP developed by the James Cook University (JCU), CEARAC asked the nominated experts of the Member States to review and correct the map following the guidelines, which were prepared also by JCU. CEARAC also asked the experts to add extra information on the map, if any, by the end of August 2021.

43. Based on the correction and extra input, Dr. Nicholas and his team at JCU have been revising the map, which will be finalized by October 2021.

Organisation of a training course on eDNA analysis

44. Due to the prolonged COVID-19 influences, CEARAC Secretariat at the 18th CEARAC FPM (24-25 August, virtual) proposed to cancel the organisation of this training course in spring of 2022. The Secretariat also proposed to develop a video manual and organisation of an online seminar instead of a face-to-face training course, if the eDNA Society, Japan, can support these activities.

45. The meeting agreed on the revised workplan. Then, it was also decided to develop only a video manual in this biennium.

Updating information on HAB database and HAB Reference Database

46. CEARAC Secretariat prepared lists with the latest information on red tide/HAB occurrences and latest papers for the NOWPAP region and introduced them at the 18th CEARAC FPM. At the same time, the Secretariat asked the FPs to nominate national experts to review the list and collect more relevant information from scholarly journals and other periodicals published in the member states.

47. The national experts of Korea and Russia were nominated by the end of September and the expert from China has not been decided yet.

Table 4 Nominated experts to review the list of HAB occurrences and collect relevant information

| Country | Expert |
|----------------|-----------------------|
| China | To be decided |
| Japan | Dr. Mitsunori IWATAKI |

| Country | Expert |
|---------|--------------------|
| Korea | Dr. Yeong Doo YOO |
| Russia | Dr. Tatiana ORLOVA |

Conducting case studies on estimating seagrass blue carbon in selected sea areas in the NOWPAP region

48. The nominated national experts in the Member States have been conducting case studies in the selected sea areas (Table 5). Besides, CEARAC organised a webinar for the experts in Japan and Korea on 30 September 2021 to explain the use of Seagrass Mapper and Seagrass Trainer.

Table 5. National experts and Selected areas for estimating seagrass blue carbon

| Country | Expert | Area |
|---------|----------------------|--------------------------|
| China | Dr. Qinghu XING | Swan Lake |
| Japan | Dr. Greg NISHIHARA | Katagami Bay, Ohmura Bay |
| Korea | Dr. Seung Hyeon KIM | Dongdae Bay |
| Russia | Dr. Vazilii ZHARIKOV | Srednyaya Bay |

Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for the assessment and monitoring of eutrophication using satellite chlorophyll-a

49. CEARAC Secretariat asked its FPs in July to nominate an expert in each member state to undertake the work of in-situ data collection for evaluation of satellite chlorophyll-a in the NOWPAP coastal waters.

50. Experts were nominated in the member states in August. Then, CEARAC Secretariat plans to organize an online meeting with them to explain the work of in-situ data collection in October.

Table 6. Nominated national experts for conducting in-situ data collection

| Country | Expert |
|---------|--------------------|
| China | Dr. DING Jing |
| Japan | CEARAC Secretariat |
| Korea | Dr. Joo-Hyung RYU |
| Russia | Mr. Vazily KACHUR |

The Organisation of the Fifth NOWPAP Training Course on Remote Sensing Data Analysis

51. Because of the continuous worldwide pandemic of disease, CEARAC Secretariat proposed to organize a webinar style training course instead of a conventional face-to-face training course, which has two sessions: one for mapping seagrass by optical sensors (30 Nov. - 2 Dec.) and another for monitoring and assessment of water quality by ocean colour remote sensing (14 - 16 Dec).

Strengthening Regional Capacity for Monitoring and Coastal Environmental Assessment through Knowledge/Information Sharing and Capacity Building

52. The 18th CEARAC Focal Points Meeting (FPM) was held virtually on 24-25 August 2021 with the participation of FPs in each Member State, as well as of representatives of NOWPAP MERRAC and RCU and the North Marine Science Organization (PICES). CEARAC Secretariat reported on the progress of CEARAC activities in the 2020-2021 biennium, in which revision of planned activities were proposed due to the continuously prolonged COVID-19 pandemic in the NOWPAP region. The meeting agreed on the proposed revisions.

53. The CEARAC Secretariat also proposed activities for the next biennium, 2022-2023, in which six specific projects were included, based on the projected outcomes of the 2020-2021 activities. After a review of and discussion on the progress of the implementation of the on-going work and the proposed activities, the meeting adopted all the documents and agreed to submit the proposed workplan of CEARAC for the next biennium to the 24th NOWPAP Intergovernmental Meeting (IGM) due at the end of 2021⁴.

54. For sharing information and strengthening the partnerships within NOWPAP, staff members of CEARAC Secretariat participated in the 23rd MERRAC FPM (7-8 July 2021) and the 2021 NOWPAP-TEMM Marine Litter Management Workshop and Marine Litter Focal Points Meeting (15-16 September 2021). At the NOWPAP Marine Litter FPM, CEARAC proposed one activity to develop educational materials on marine plastic litter and microplastics in the 2022-2023 biennium.

4.5. MERRAC

The 23rd MERRAC Focal Points Meeting and 15th Competent National Authorities Meeting

55. The 23rd MERRAC FPM and 15th CNA Meeting were remotely held from 7 to 8 July 2021. During the meeting, MERRAC Focal Points discussed key important issues including MERRAC activities and budget, the efficient implementation of the NOWPAP Regional Oil and HNS Spill Contingency Plan, MERRAC's future activities, and shared information between the NOWPAP Member States on the latest oil and HNS spills that occurred in the region. The meeting report of the 23rd MERRAC FPM and 15th CNA Meeting was published and sent to all participants and relevant organisations in Q3-2021.

The 2021 MERRAC Expert Group Meeting

56. Based upon the corresponding decision made in the e-mail discussion prior to the 23rd MERRAC FPM and 15th CNA Meeting in 2021, the 2021 MERRAC Expert Group Meetings on oil fingerprinting and illegal discharge from ships were remotely held from 5 to 6 July 2021. The 2021 MERRAC Expert Group Meetings were held as an activity of Specific Projects on "Development of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response in the NOWPAP Region" and "Regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework". The NOWPAP Member States delivered presentations on

⁴ The 24th IGM will be organised virtually by China, as agreed by the 3rd Extraordinary NOWPAP IGM held on January 27, 2021. However, China have not yet confirmed the tentative dates of this meeting, and, since the preparation of an IGM requires time, and the documents are to be circulated at least 6 weeks prior to the meeting, the 24th IGM is likely to be postponed to early 2022. Currently, RCU is discussing with the National Focal Point of China the timing of the 24th IGM.

the national status of oil fingerprinting and illegal discharge from ships in their respective countries. Also, future directions for enhancing regional cooperation on the oil fingerprinting and illegal discharge in the NOWPAP Region were discussed.

MERRAC Specific Projects for 2020/2021 Biennium

57. MERRAC has been conducting specific projects on "Assessment on the implementation of OPRC Convention and OPRC-HNS Protocol in the NOWPAP region" led by China, "Regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework" led by Korea, "Response options for condensate spill in context of update of NOWPAP MERRAC Regional Report on HNS Preparedness and Response, 2021" led by Russia, and "Development of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response in the NOWPAP region" led by MERRAC, for 2020-2021 biennium. Draft reports of specific projects led by China, Korea, and MERRAC were submitted as the 23rd MERRAC FPM & CNA Meeting documents. The progress of each specific project was reported during the meeting.

58. Concerning the project on "Regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework", according to its implementation plan, the Expert Group Meeting on illegal discharges by ships was prepared by the leading country, Korea, and held on 6 July 2021 before the 23rd MERRAC FPM.

59. Concerning the project on "Development of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response in the NOWPAP region", MERRAC with support of an external expert has developed a draft report of MERRAC's strategic plan. Besides, the Expert Group Meeting on oil fingerprinting was prepared and held by MERRAC on 5 July 2021 before the 23rd MERRAC FPM. Reports of all meetings are available in MERRAC Secretariat and could be provided on request.

4.6. POMRAC

60. The Terms of Reference (ToR) for POMRAC activities for 2020-2021 have been prepared by the POMRAC Secretariat and reviewed by the national focal points in the NOWPAP Member States. These ToRs have also been approved by UNEP HQs.

61. Discussion on the structure, formats of information of the SOMER-3 report among the main actors: national experts, RACs, continued in the reporting period. The nominated experts are being recruited through RCU (UNEP). Terms of reference for the nominated national experts have been sent out to start work on the preparation of national inputs.

62. Individual consultants nominated by the Member States to support the three activity areas of POMRAC in PoW 2020-2021, notably: SOMER-3, Microplastics, and EQOs are being contracted by UNEP. The status as of 30 March 2021 is presented in Annex 3.

63. Over a half of the research programme of the seasonal survey of microplastic runoff with river NOWPAP region of the Russian Federation, including Amur/Heilong, for 2021 has been completed. The nominated experts and an international consultant for developing a regional overview have received TORs, and work is underway to agree on a detailed structure for the review. National inputs of national reports will be submitted to POMRAC in 4 months after signing contracts with experts.

64. To ensure the implementation of the planned activities, POMRAC and RCU address national experts to initiate activities even before the contracts are issued. National experts for all POMRAC Activities have already submitted their reports in September 2021 but contracts with them and international consultant had not been signed yet. RCU is working with UNEP HQs on daily basis to expedite the process of issuing of contracts, however, the contracting procedure has not been concluded as of Sept 30, 2021.

65. An SSFA has been finalised to support activities of the NOWPAP Regional Node on Marine Litter. Suballotment from UNEP HQ was completed in Q2-2021. The work is to be finalised by 30 November 2021. The work is progressing well. An interim report has been submitted to RCU, processed and sent to UNEP HQs.

66. The 18th POMRAC Focal Points Meeting has not held yet 2021. Preparation is undergoing. POMRAC Secretariat is working with other Member States' Focal Points on fixing the date of the FPM. It will be duly held in Q4-2021.

67. POMRAC participated in developing a new concept of the Special Project on marine biodiversity led by RCU. A concept of the project was reviewed by the NOWPAP National Focal Points in Q2-2021. The feedback has been processed and included in the final version of the Concept. The Concept will further be presented for approval to and discussed at the coming 24th NOWPAP IGM. Once the Concept and corresponding budget has been approved by the Member States, the Project will be kicked off.

68. A more detailed presentation and progress of individual activities are presented in Annex 1.

4.7. Marine Litter

69. RCU organised a global webinar on addressing marine litter in the NOWPAP region on 30 March 2021 in cooperation with the GPML Secretariat. <https://www.gpmarinelitter.org/news/news/watch-2021-gpml-webinar-series-addressing-marine-litter-northwest-pacific-region>.

70. RCU worked closely with UNEP Headquarters on fundraising for addressing marine litter activities in the NOWPAP region. As a result, the GPA Secretariat approved USD 60,000 to support marine litter activities in the NOWPAP region. These funds will be utilised through the NOWPAP Regional Node on Marine Litter of GPML with contractual and administrative support by RCU.

71. The Third Overview of Marine Litter in the Northwest Pacific Region was completed and circulated in March 2021 for feedback by the NOWPAP Focal Points. Until June 30, 2021, only two Member States provided requested comments to RCU.

72. RCU has received comments from Marine Litter Focal Points of the Member States. After consolidating the comments, a revised RAP MALI will be circulated for further comments.

73. The 2021 NOWPAP-TEMM Marine Litter Management Workshop and 2021 Marine Litter Focal Points Meeting were held online on 15-16 September 2021. The meetings reviewed the progress of the implementation of RAP MALI. The workplan and budget for 2022-2023 were reviewed and agreed by the Marine Litter Focal Points. Both the workplan and budget will be submitted to the Member States for their approval at the 24th IGM.

4.8. RAP BIO

74. The nominated experts have provided their comments to the draft RAP BIO before 9 February 2021. However, because the consensus could be not reached on some issues, RCU organised a virtual meeting on 30 March 2021 with the participation of the nominated experts and RAC representatives. The document is under further revision and was sent to the NOWPAP Focal Points for national consultations in Apr 2021. No feedback has been received as of September 30, 2021.

4.9. Special Projects

Special Project on Marine Microplastic

75. Funds have been transferred from UNEP and received by CRAES. Project is ongoing. CRAES informed RCU that they have drafted the project proposal and will send it to nominated experts for review and comments.

Special Project on Key Indicator Species

76. The 3rd EO IGM requested RCU to look for new scientists and institutes to continue the special project on key indicator species. RCU has requested RACs to recommend experts in this region in February 2021. DINRAC has recommended Dr Hongjun Li from the National Marine Environment Monitoring Centre of China. RCU has organised the first brainstorm meeting on 18 March 2021, the second meeting on 6 April with the participation of a few scientists from the region to discuss how to move this project ahead. The third meeting was organised on 11 May 2021. A concept note was submitted to the NOWPAP Focal Points for consideration in June 2021.

77. In line with the resolution of the 3rd Extraordinary NOWPAP IGM (UNEP/NOWPAP 3EO/13, Resolution 4.4), RCU supported the development of a revised Concept of the Special Project "Key Identification of key indicator species and ecosystems of biodiversity change in the NOWPAP region". RCU has requested RACs to recommend experts in this region in February 2021. DINRAC has recommended Dr Hongjun Li from the National Marine Environment Monitoring Centre of China (NMEMC). RCU organised the first brainstorm meeting on 18 March 2021, the second meeting - on 6 April with the participation of several leading regional experts and marine scientists from all NOWPAP Member States from the region to discuss how to move this project ahead. The third meeting was organised on 11 May 2021.

78. Following thorough discussions at these meetings, a concept of the Special Project on key indicator species was developed. The project concept further went through a round of regional consultations, the concept has also been reviewed by RACs (in addition to those participating in the consultative meetings). Finally, the concept was shared with the NOWPAP National Focal Points for comments on June 14, 2021. Upon request received by RCU, the deadline for comments was extended to July 5, 2021. However, as of September 30, 2021, no further comments were received.

4.10. Partnership building

79. NOWPAP Coordinator was invited by the Toyama City Administration to deliver a lecture on NOWPAP within activities of the Toyama City International Department, as well as general experience of working for UN. The lecture was delivered on July 13, 2021, virtually.

80. NOWPAP RCU Toyama office staff joined the beach clean-up campaign at Iwasehama Beach in the morning of 28 September 2021.

81. RCU was invited to the Twenty-Fifth Intergovernmental Meeting of the Coordinating Body on the Seas of East Asia (COBSEA) on 8-9 September 2021.

82. The Korea Global Forum for Peace 2021 was organised from 31 August to 2 September 2021. The Forum was hosted by the Ministry of Unification (MOU) of the Republic of Korea. The key aim was to discuss the peace and unification process in the Korean Peninsula. As one of the regional players, NOWPAP was invited to present its activities at the Forum. NOWPAP was represented by RCU.

83. NOWPAP was invited to introduce its achievements and lessons learned in addressing marine litter in an online workshop on marine litter management organised by the 21st Century Maritime Cooperation Committee and World Association of Major Metropolises from 25 to 27 August 2021.

84. RCU was invited to a webinar: Marine Litter Spills & Emergency Response on 29 July 2021.

85. RCU was invited to the 13th East Asian Seas (EAS) Partnership Council (PC) Meeting on July 28-29, 2021.

86. NOWPAP participated in and contributed to a virtual workshop organised by the Secretariat of the Convention on Biological Diversity (CBD) within the Sustainable Ocean Initiative (SOI) Dialogue. Similarly to other geographical regions, NOWPAP delivered a joint presentation from the North Pacific Intergovernmental bodies, namely: PICES, North Pacific Anadromous Fisheries Convention (NPAFC) and NOWPAP. More details on this meeting could be found at the following link: <https://www.cbd.int/meetings/SOI-WS-2021-01>. The key discussions at the workshop were devoted to strengthening the regional ocean governance and the post-2020 global biodiversity framework.

87. NOWPAP participated in and contributed to the annual meeting of PICES in its capacity of an observer. Presentation from NOWPAP Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (CEARAC) highlighted the current extent of cooperation between NOWPAP and PICES on ocean-related science.

4.11. Implementation of PoW 2020-2021

88. A detailed reporting on the progress of implementation of PoW 2020-2021 in Q2-2020 is included in Annex 1 below.

5. Report on Progress of Implementation of Resolutions of 3rd Extraordinary NOWPAP IGM

5.1. Resolutions of 3rd Extraordinary IGM

89. The 3rd Extraordinary NOWPAP Intergovernmental Meeting was organised on 27 January 2021 virtually. Resolutions of the meeting are included in the document UNEP/NOWPAP IG. 24/13. Overall, there are 7 Resolutions approved by the meeting, with 17 additional activities to be implemented by NOWPAP and coordinated by RCU in the period Feb-Dec 2021. In addition, several specific reports, positioning papers, and concept notes are expected to be developed and submitted to the 24th NOWPAP IGM in Q4-2021. A list of these activities and NOWPAP Units leading their implementation are presented in Table 8 below.

5.2. implementation of Resolutions of 3rd Extraordinary NOWPAP IGM

90. The 3rd Extraordinary IGM reviewed the progress of implementation of activities of the 2018-2019 PoW, and also looked into the progress of implementation of 2020-2021 NOWPAP PoW. The resolutions of the meeting approved by all NOWPAP Member States by correspondence and finalised on 5 April 2021 (UNEP/NOWPAP IG. 24/13) included several specific activities to be carried out before the 24th NOWPAP IGM (Table 8).

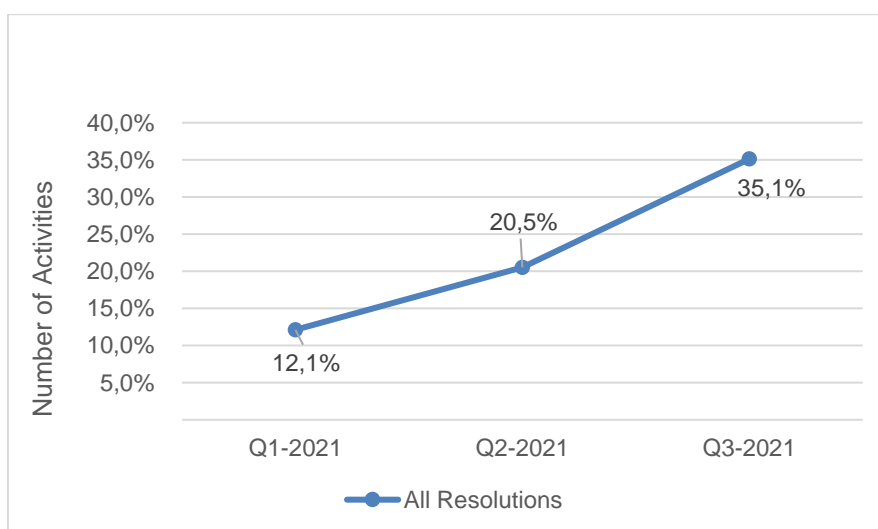
91. This report includes reporting on the implementation of Resolutions of the 3rd Extraordinary NOWPAP IGM cumulatively for Q1 to Q3 2021. The current report includes reporting on the progress achieved during February through June 2021. Overall, the progress of implementation during Q3-2021 achieved 14.6% (the progress in Q2-2021 was reported to be 20.5%) with the overall progress reaching nearly 35.1%⁵. Out of 17 additional activities, 12 have already moved into implementation (71%). Despite a good progress of ongoing tasks, no additional activities started in Q3-2021. A snapshot of the status and a breakdown of progress achieved for each individual resolution is presented in Table 7, Table 8, and Figure 3 below.

Table 7 Progress of Implementation of Resolutions of the 3rd Extraordinary IGM

| Resolutions | Q1-2021 | Q2-2021 | Q3-2021 | Q4-2021 |
|--------------|--------------|--------------|--------------|---------|
| Resolution 1 | 14% | 34% | 56% | |
| Resolution 2 | 28% | 38% | 50% | |
| Resolution 3 | 60% | 60% | 60% | |
| Resolution 4 | 5% | 10% | 15% | |
| Resolution 5 | 10% | 15% | 20% | |
| Resolution 6 | - | 5% | 58% | |
| Resolution 7 | - | 3% | 8% | |
| TOTAL | 12.7% | 20.5% | 35.1% | |

92. A detailed presentation of progress of implementation of each individual resolution and a workplan with a description of specific progress is presented in Table 9 (Annex 2).

Figure 3 Progress of Implementation of IGM Resolutions



⁵ This is an estimate based on an assessment carried out by RCU of the implementation status of each individual resolution as of 31 March 2021. The target considered 100% is the completion by the end of 2021.

Table 8 Additional Activities to be implemented in 2021 based on Resolutions of 3rd Extraordinary NOWPAP IGM

| # | Resolution. Item | Final Output | Implementation plan | | Responsible | Current Progress, % | Comments |
|---|------------------|--|--------------------------------------|--------------|-------------|---------------------|--|
| | | | Deliverable | Deadline | | | |
| 1 | Res 1.3 | Contribution of Member States to NOWPAP Trust Fund and Grants paid | Summary of contributions | Each Quarter | RCU | 87% | Progressing well. All contributions have been paid and processed, except for the contribution of ROK to NOWPAP Trust Fund (40PNL) and one of the four contributors from Japan to 32QNL. See Ошибка! Источник ссылки не найден. for details. |
| 2 | Res 1.5 | An overview of financial status of NOWPAP Trust Fund (40PNL) | | Q4-2021 | RCU | 0% | Not Started. |
| 3 | Res 1.6 | Consultations with Member States prior to engagements on additional resource mobilization activities | Records of consultations | Ongoing | RCU, RACs | 80% | Additional resources have been mobilised by RCU from GPA team in UNEP HQs (USD 60K). This has been duly communicated to the Member States. |
| 4 | Res 2.2 | Design of additional activities to support Priority Area 1 of NOWPAP MTS 2018-2023 "Support Ecosystem-Based ICARM" | Activities on ICARM in PoW 2022-2023 | Dec 2021 | POMRAC | 0% | Not Started. |
| 5 | Res 2.3 | Introduction of innovative ways and methods of working | Records on individual activities | Ongoing | RCU, RACs | 75% | This work successfully continued in Q2-2021. A series of technical and |

| # | Resolution. Item | Final Output | Implementation plan | | Responsible | Current Progress, % | Comments |
|---|------------------|---|-----------------------|-------------------------------|-------------|---------------------|---|
| | | | Deliverable | Deadline | | | |
| | | | | | | | working meetings took place, including participation in several training events organised by UNEP in light of introduction of new corporate systems (UMOJA2, IMDR, etc.). |
| 6 | Res 2.5 | Regular (quarterly) update of the NOWPAP Member States on progress of implementation of PoW 2020-2021 | Quarterly Report | Each quarter starting Q2-2020 | RCU, RACs | 75% | An additional Quarterly Report to Member States for Q1-2021 was provided on July 29, 2021. |
| 7 | Res 3.2 | Finalized RAP BIO submitted to 24 th IGM | RAP BIO | Q4-2021 | RCU, CEARAC | 60% | A draft document has been prepared and circulated for comments in Q2-2021. No progress in Q3. The document is still being considered by the Member States. |
| 8 | Res 4.2 | Completed special project proposal "Monitoring and Assessment Methods for Microplastics Pollution" | Project Proposal | Mar 2022 | RCU, CRAES | 40% | Ongoing. All administrative steps for contracting have been completed. Funds transferred. Project is ongoing smoothly. No additional issues in Q3-2021. |
| 9 | Res 4.3 | Additional Financial resources agreed for special project "Monitoring and | Formalized agreements | Mar 2022 | RCU, CRAES | 0% | No additional issues in Q3-2021. |

| # | Resolution. Item | Final Output | Implementation plan | | Responsible | Current Progress, % | Comments |
|----|------------------|---|--|---------------|-------------|---------------------|---|
| | | | Deliverable | Deadline | | | |
| | | Assessment Methods for Microplastics Pollution” | | | | | |
| 10 | Res 4.4 | Detailed background information and analysis on the delay of the project “Identification of Key Indicator Species and Ecosystems of Biodiversity Change in the NOWPAP Region” | Report | Q4-2021 | RCU | 20% | A summary of the development of this Special Project has been included in a revised Project Concept circulated among Member States for comments. Received feedback is processed in Q2-2021. The second round of consultation started, and the concept is being reviewed by the Member States. |
| 11 | Res 4.7 | A scoping paper on Special Projects | Lessons learned during the development of the Special Projects | Q4-2021 | RCU | 0% | Not Started. |
| 12 | Res 5.2 | NOWPAP Communication and Outreach Strategy, including Promotional Videos | Consultant contract | May 2021 | RCU | 20% | An international consultant will be commissioned in Q4-2021. The contract is being issued. |
| 13 | Res 6.1 | Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023 | ToR for Monitoring and Evaluation Framework | May-June 2021 | RCU | 15% | An international consultant will be commissioned in Q4-2021. ToR agreed with Member States, vacancy announcement published, candidates |

| # | Resolution. Item | Final Output | Implementation plan | | Responsible | Current Progress, % | Comments |
|----|------------------|--|--|---------------|-------------|---------------------|--|
| | | | Deliverable | Deadline | | | |
| | | | | | | | are being evaluation to select the most suited consultant. |
| 14 | Res 6.2 | A concept paper on a Mid-Term Review of the implementation of the NOWPAP MTS 2018-2023 | ToR for MTR based on UNEP/GEF Guidelines | Sept 2021 | RCU | 100% | Completed. ToR have been provided to Member States and commented on. |
| 15 | Res 7.1 | Technical support by RCU to the 24 th IGM | Meeting organized virtually | Q4-2021 | RCU | 0% | Not Started. |
| 16 | Res 7.3 | A positioning paper on institutional analysis of NOWPAP and operation of individual RACs | ToR for institutional analysis | May-June 2021 | RCU | 15% | ToR agreed with Member States, vacancy announcement published, candidates are being evaluation to select the most suited consultant. |
| 17 | Res 7.4 | A Concept Note of a NOWPAP Award | Draft Concept Note of a NOWPAP Award | Q4-2021 | RCU, Russia | 10% | A concept paper has been prepared, shared with the National Focal Point of Russia. Following received feedback, the second revision of the concept has been completed and shared. Feedback and the next discussions will be held in Q4-2021. |

Annex 1. Progress of Implementation of NOWPAP PoW 2020-2021

Total budget of USD1,300,000 for the biennium including 13% of PSC.

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

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|--|-------------------------|--|--|
| <p>1.1.1. “Good environmental status” of the NOWPAP is defined and provides a baseline and direction for Member States action</p> <p>Expected partners: PEMSEA, YSLME Project Phase II, UNEP Regional Seas Programme, and UNESCO/IOC</p> | <p>Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2</p> | <p>POMRAC</p> | <p>Preparation of national inputs for the development of EcoQO targets</p> | <p>Q2-2020: (10%). ToRs for national experts have been developed. National experts nominated.</p> |
| | | | | <p>Q3-2020: (15%). Nominated experts are being recruited through RCU (UNEP). All experts are being contacted to enter their accounts into INSPIRA and developing Personal History Profiles (PHP). Experts are providing sets of required documents for contracting. ToRs developed earlier have been cleared by UNEP Ecosystems HR and Senior Management. Process of recruiting has started.</p> |
| | | | | <p>Q4-2020: (25%). Review of the terms of reference (TOR) by the national focal points.</p> |
| | | | | <p>Q1-2021: (30%). National experts work on national reports, preliminary versions for the PRC are presented.</p> |
| | | | | <p>Q2-2021: (50%). National experts work on national reports, preliminary versions for the PRC are presented.</p> |
| | | | | <p>Q3-2021: (70%). National experts submitted their reports to POMRAC Secretariat in September 2021 but contracts with them and international consultant have not signed as of Sept 30, 2021.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | POMRAC | Compilation of National Inputs and preparation of draft regional synthesis report | <p>Q2-2020, Q3-2021: Not started.</p> <p>Q4-2020: (10%). Circulated the TOR to the nominated national experts to begin work on the preparation of national inputs.</p> <p>Q1-2021: (25%). National report of the PRC is reviewed by an international consultant.</p> <p>Q2-2021: (30 %). National reports carried out after the conclusion of contracts with the national experts</p> <p>Q3-2021: (50%). National experts submitted their reports to POMRAC Secretariat in September 2021 but contracts with them and international consultant have not signed as of Sept 30, 2021.</p> |
| | | POMRAC | Finalizing and printing of the regional synthesis report on the Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” | <p>Q2-2020: Not started. Q3-2020: Not Started.</p> <p>Q4-2020: 10%. Terms of reference for the nominated national experts have been developed to start work on the preparation of national inputs.</p> <p>Q1-2021: (12.5%). The work on the finalization of the national reports will be carried out after the conclusion of contracts with the national experts</p> <p>Q2-2021: (15 %). The work on the finalization of the national reports carried out after the conclusion of contracts with the national experts.</p> <p>Q3-2021: (25%). National experts submitted their reports to POMRAC Secretariat in September 2021 but contracts with them and international consultant have not signed as of Sept 30, 2021.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|---|--|
| | | POMRAC | Report of the regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” | <p>Q2-2020, Q3-2020: Not started.</p> <p>Q4-2020: 0%. Not started due to the impossibility of organizing a normal meeting under quarantine conditions.</p> <p>Q1-2021: (15%). Regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” will be held in September 2021.</p> <p>Q2-2021: (20 %). Regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” will be held in September 2021. Preparation of preliminary working materials for the meeting has begun.</p> <p>Q3-2021: (30%). Regional workshop “Development of NOWPAP EcoQO targets aligned (where possible) with SDG indicators, phase 2” will be held back-to-back with 18th POMRAC FPM in November 2021.</p> |

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

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|--|-------------------------|--|--|
| <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> | <p>POMRAC</p> | <p>Workshop on SOMER-3 structure</p> | <p>Q2-2020: Not started.</p> |
| | | | | <p>Q3-2020: (5%). The 1st Draft Content and Structure of SOMER 3 was prepared for discussion with FPs, RACs, RCU and experts as a document for the 17th POMRAC FPM.</p> |
| | | | | <p>Q4-2020: (5%). No progress in Q4-2020 due to the impossibility of organizing a normal meeting under quarantine conditions.</p> |
| | | | | <p>Q1-2021: (15%). Regional workshop on SOMER-3 structure was prepared and will be held in April 2021, the meeting aims to agree with the national experts from NOWPAP Member States on the structure of the review and formats for submission of materials by national experts.</p> |
| | | | | <p>Q2-2021: (25 %). The preparation of texts of the parts of the review continues, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.</p> |
| | | | | <p>Q3-2021: (25%). The preparation of texts of parts of the review continues submitted to POMRAC.</p> |
| | | <p>POMRAC</p> | <p>Preparation of the different chapters for SOMER-3 and compilation of the draft SOMER-3 – The integrated assessment of</p> | <p>Q2-2020: Not started.</p> |
| | | | | <p>Q3-2020: (10%). Started. Discussions are underway with the RCU, RACs and POMRAC focal points on the content, structure and formats SOMER-3 (in general and on national inputs).</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|--|---|
| | | | environmental problems, status and trends related to existing and changing natural and socio-economic conditions in the NOWPAP region | <p>Q4-2020: (15%). Continuation of the discussion of the structure, formats of information between the main actors: national experts, RACs.</p> <p>Q1-2021: (20%). The preparation of texts of the parts of the review has begun, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.</p> <p>Q2-2021: (25 %). The preparation of texts of the parts of the review continues, but the materials will be submitted to POMRAC in 4 months after signing of contracts with experts and RACs.</p> <p>Q3-2021: (50%). National experts submitted their reports to POMRAC Secretariat in September 2021. National inputs submitted to international consultant in Q3-2021.</p> |
| | Regional Overview of Microplastics abundance in river runoff of the NOWPAP region | POMRAC | Preparation of and draft RO and finalization National Inputs on the river runoff of microplastics to the coastal zone of the NOWPAP region | <p>Q2-2020: Not started.</p> <p>Q3-2020: (3%). ToRs for national experts have been developed. National experts nominated.</p> <p>Q4-2020: (10%). Nominated experts are being recruited through RCU (UNEP). Terms of reference for the nominated national experts have been sent out to start work on the preparation of national inputs.</p> <p>Q1-2021: (15%). Nominated experts are continued to be recruited through RCU (UNEP). INSPIRA process was completed for almost 70% of the nominated experts. RCU is collecting from the experts documents required to complete contracting process.</p> <p>Q2-2021: (30 %). National experts have begun work on preparing national inputs for the review.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|---|---|
| | | | | Q3-2021: (50%). National experts submitted their reports to POMRAC Secretariat in September 2021 and after finalisation of the texts on the comments of the POMRAC Secretariat National inputs will be submitted to international consultant. |
| | | POMRAC | Seasonal survey of microplastic runoff with river NOWPAP region RF include Amur/Heilong | Q2-2020: Started May 2020 – 25%, Q3-2020: (35%). Q4-2020: (50%). Completed for the program of 2020 year. Q1-2021: 75%. Half of the programme for 2021. Q2-2021: (85 %). Spring and summer studies were carried out. Q3-2021: (90 %). The autumn surveys were carried out. Analytical processing of the selected samples is in progress. |
| | | POMRAC | Finalization and publication of the regional Overview | Q2-2020: Not started. Q3-2020: (5%), Q4-2020: (7%). Q1-2021: (10%). The nominated experts and consultant have received TORs and work is underway to agree on a detailed structure for the review. National inputs of national reports will be submitted to POMRAC in 4 months after signing of contracts with experts. Q2-2021: (15 %). The coordinator started working with experts to prepare the sections of the review. Q3-2021: (40%).National inputs submitted to international consultant. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|-------------------------|---|--|
| <p>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</p> | <p>Annual Summary of Major Marine Environmental Data Available in the Member States</p> | <p>DINRAC</p> | <p>Marine environmental data for 2018-19 collected</p> | <p>Q2-2020: Not started.</p> |
| | | | | <p>Q3-2020: (10%). Start drafting expert contract.</p> |
| | | | | <p>Q4-2020: (20%). MED data of 2016-2017 have been collected by 4 member states, the MoU has been drafted by DINRAC Secretariat.</p> |
| | | | | <p>Q1-2021: (30%). MED Mou for 2021 has been signing with DINRAC Focal Points.</p> |
| | | | | <p>Q2-2021: (50%). Promote expert contract payment, collecting data and information.</p> |
| | | | | <p>Q3-2021: Q3-2021: (70%). Complete the first payment of the expert contract and complete the collection of environmental data from China and Russia.</p> |
| | | <p>DINRAC</p> | <p>The data by categories, countries and years complied</p> | <p>Q2-2020: Not started. Q3-2020: (30%). Existing data are classified by country and year.</p> |
| | | | | <p>Q4-2020: (35%). The MED data of 2018 will be collected in the Q1-2021.</p> |
| | | | | <p>Q1-2021: (40%). MED data for 2018 and 2019 has been collecting and compiling by DINRAC Focal Points.</p> |
| | | | | <p>Q2-2021: (50%). Collecting data and information by DINRAC Focal Points.</p> |
| <p>Q3-2021: (70%).Further collecting data and information by DINRAC Focal Points.</p> | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|------------------------|-------------------------|---|--|
| | | DINRAC | Data available on the DINRAC portal with free access | Q2-2020: Not started. |
| | | | | Q3-2020: (30%). At present, 8 kinds of data of MED on the website have been updated, including China's 2016-2018, Korea's 2017 and Japan's 2010-2017 data. |
| | | | | Q4-2020: (35%). The MED data of 2018 will be updated at the DINRAC website in Q1-2021. |
| | | | | Q1-2021: (40%). MED data for 2018 has been complied with the format in the MED databases. |
| | | | | Q2-2021: (60%). MED data for 2018 has been further complied with the format in the MED databases. |
| | | | | Q3-2021: (75%). MED data for 2018 has been updating to the DINRAC Website. |
| | | DINRAC | Collected data and evidence of databases used reported at annual FPMs | Q2-2020: Not started. Q3-2020: Not started. |
| | | | | Q4-2020: (35%). The Implementation plan of MED data will be report at the DINRAC FPM in Q1-2021 (The 18 th DINRAC FPM). |
| | | | | Q1-2021: (40%). Previously MED data has been referred in the DINRAC 18th Focal Points Meeting. |
| | | | | Q2-2021: (60%). Previously MED data has been further referred in the DINRAC 18th and 19th Focal Points Meeting. |
| Q3-2021: (75%). Previously MED data has been further referred in the DINRAC 18th and 19th Focal Points Meeting. | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|--|--|
| | Upgrade and regularly update DINRAC Website with additional WebGIS-based maps developed | DINRAC | Database structure of specific data redesigned | <p>Q2-2020: Not started. Q3-2020: (10%). New database types are currently being planned.</p> <p>Q4-2020: (20%). The Database structure of specific data has been redesigned as required.</p> <p>Q1-2021: (25%). The database structure of Sustainable Ports has been designed.</p> <p>Q2-2021: (50%). Some port data has been entered.</p> <p>Q3-2021: (60%). Further entry of port data.</p> |
| | | DINRAC | Add biodiversity topics to the website | <p>Q2-2020: (80%). Finally, the data volume from 1996 to 2018 will be formed by sorting out the National Biodiversity thematic data collected by standardization, data warehousing and visual display.</p> <p>Q3-2020: (80%). No progress in Q3-2020.</p> <p>Q4-2020: (85%). Adding biodiversity topics to the website has been achieved at DINRAC website.</p> <p>Q1-2021: (90%). The endangered species of NOWPAP region Phase 3 has been compiled and will be updated in the DINRAC webpage.</p> <p>Q2-2021: (100%). Completed.</p> <p>Q3-2021: (100%). Completed.</p> |
| | | DINRAC | The non-structured data into the database migrated | <p>Q2-2020: Not started.</p> <p>Q3-2020: (10%). Collect and sort out the data.</p> <p>Q4-2020: (15%). The non-structured data into the database migrated partially.</p> <p>Q1-2021: (25%). The DINRAC non-structured data has been signed and migrated in the DINRAC webpages.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|---|--|---|
| | | | | Q2-2021: (60%). Implemented the migration work. |
| | | Q3-2021: (75%). The DINRAC non-structured data has been compiled and selected, which has been migrating to the DINRAC webpages. | | |
| | | DINRAC | WebGIS system developed | Q2-2020: (80%). Through rectification, technical means of data carding, database building and informatization are realised, and multi-index and multi time series database of marine business data is formed. |
| | | Q3-2020: (80%). No progress in Q3-2020. | | |
| | | Q4-2020: (85%). The website has been further developed on invasive species, and endangered species modules. | | |
| | | Q1-2021: (90%). The WebGIS modules for endangered species have been elaborated. | | |
| | | Q2-2021: (90%). No progress in Q2-2021. | | |
| | | Q3-2021: (90%). No progress in Q3-2021. | | |
| | | DINRAC | Spatial display of invasive species data | Q2-2020: Completed. (100%). According to the data of invasive species, spatial display of map is carried out, including spatial data, spatial data publishing services, etc. |
| | | Q3-2020: Completed (100%). | | |
| | | Q4-2020: 100%. The website has been further developed on invasive species module. | | |
| | | Q1-2021: (100%). The spatial display will be designed with WebGIS modules. | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|---|---|--|
| | | | | Q2-2021: (100%). Completed. |
| | | Q3-2021: (100%). Completed. | | |
| | | DINRAC | Add data statistical analysis sub column | Q2-2020: (80%). Extract the data from the Northwest Pacific Ocean Environmental analysis report compiled by Peking University in 2018, standardize the processing, put into storage, and realize the visual analysis on the website. |
| | | Q3-2020: (80%). No progress in Q3-2020. | | |
| | | Q4-2020: (85%). The MED data has been categorized and analysed further with statistical diagrams and figures. | | |
| | | Q1-2021: (90%). DINRAC MED statistical analysis has been conducted with e-format report. | | |
| | | Q2-2021: (90%). No progress in Q2-2021. | | |
| | | Q3-2021: (90%). No progress in Q3-2021. | | |
| | | DINRAC | Build the column of the 17 th DINRAC regional node meeting | Q2-2020: (20%). A special column of the 17th DINRAC regional node meeting was established, including 26 conference materials. |
| | | Q3-2020: (25%). A special column of the 17th DINRAC regional node meeting was established, including 26 conference materials. | | |
| | | Q4-2020: (35%). The column has been designed and displayed. | | |
| | | Q1-2021: (45%). The regional node will be further added with app downloading functions based on the ICC activities. | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|--|--|---|
| | | | | Q2-2021: (60%). Preliminary development and establishment of Monitor marine litter APP. |
| | | Q3-2021: (80%). Marine Litter monitoring APP test stage ongoing. | | |
| | | DINRAC | Polls and questionnaires developed | Q2-2020: (80%). A Questionnaire was designed. There are four fixed questions and one open question. Survey statistics are used to count the results of each option for each question. |
| | | Q3-2020: (80%). No progress in Q3-2020. | | |
| | | Q4-2020: (85%). The questionnaire has been designed and displayed at DINRAC homepage. | | |
| | | Q1-2021: (90%). The questionnaire has been displayed on the DINRAC homepage. | | |
| | | Q2-2021: (100%). Completed. | | |
| | | Q3-2021: (100%). Completed. | | |
| | | DINRAC | Establishment of Marine Litter Regional Node website | Q2-2020: (40%). It includes six modules: home page, job responsibilities, data centre, map, publication and technology. |
| | | Q3-2020: (40%). No progress in Q3-2020. | | |
| | | Q4-2020: (45%). The Regional Node website has been displayed and further enriched. | | |
| | | Q1-2021: (50%). The regional node is preparing for collecting Marine litter data from 2014-2020 based on the RAP MALI experts' inputs. | | |
| | | Q2-2021: (60%). Preliminary development and establishment of Monitor marine litter APP | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|---|-------------------------|--|--|
| | | | | Q3-2021: (80%). Update marine litter environmental news and Marine Litter monitoring APP test stage. |
| | | DINRAC | Polls and questionnaires developed | Q2-2020: (80%). Through rectification, the technical means of data carding, database building and informatization are realized, and the multi-index and multi time series database of marine business data is formed. |
| | | | | Q3-2020: (80%). No progress in Q3-2020 |
| | | | | Q4-2020: (85%). The questionnaire has been designed and sent to DINRAC Focal Points for further development. |
| | | | | Q1-2021: (90%). The questionnaire is further developed and displayed after DINRAC 18th Focal Points Meeting. |
| | | | | Q2-2021: (100%). Completed. |
| | | | | Q3-2021: (100%). Completed. |
| 2.1.3. NOWPAP Member States' capacity on remote sensing analysis improved. | Organization of the 5 th Training Course on Remote Sensing data analysis | CEARAC | A one-week training course on remote sensing data analysis for graduate students, young scientists, professionals and NGO staffs organized successfully. | Q2-2020: (5%). CEARAC started considering option to organize the course in a webinar style and preparing table of contents for teaching materials. Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially. |
| | | | | Q3-2020: (10%). A one-day online trial training is planned for December. Preparatory activities have started. |
| | | | | Q4-2020: (20%). One-day online training course was tried out in December and analysed merits and demerits of virtual training courses. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|---|
| | | | | <p>Q1-2021: (25%). Preparation for the course continues.</p> <p>Q2-2021: (30%). Preparation for the course continues</p> <p>Q3-2021: (40%). Two webinar sessions are scheduled in Q4. CEARAC asked FPs to nominate experts to establish the organization committee.</p> |

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

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|--|-------------------------|--|---|
| <p>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</p> | <p>Update and maintain NOWPAP Regional Contingency Plan (RCP) (MERRAC)</p> | <p>MERRAC</p> | <p>NOWPAP RCP regularly updated</p> | <p>Q2-2020: (25%). Maintaining the RCP including its Annexes and networks among the relevant Competent National Authorities for the RCP in the NOWPAP region.</p> |
| | | | | <p>Q3-2020: (37.5%). 15th Competent National Authorities (CNA) Meeting in progress via email communication.</p> |
| | | | | <p>Q4-2020: (50%). The major agenda of the 15th CNA Meeting was discussed by email communication from 30 July to 16 October. Report of the e-mail discussion for the 23rd MERRAC Focal Points Meeting, and 15th Competent National Authorities was published and uploaded on MERRAC website, and the hard copies of the report were distributed to the Member States, NOWPAP RCU and RACs, IMO and relevant international organisation.</p> |
| | | | | <p>Q1-2021: (70%). Establish the draft guideline of procedure for exchange of oil sample for transboundary marine pollution incident in NOWPAP region as agenda of the 23rd FPM and 15th CNA meeting.</p> |
| | | | | <p>Q2-2021: (70%). No progress in Q2-2021.</p> |
| <p>Q3-2021: (90%). Member states discussed the existing MERRAC RCP and finalised the guideline of procedure for the exchange of oil samples for transboundary marine pollution incident in NOWPAP region in the 23rd MERRAC FPM and 15th CNA Meeting.</p> | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|--|---|
| | <p>Update information on marine pollution response resources, including equipment, institutions and experts (MERRAC)</p> | <p>MERRAC</p> | <p>Information system on marine pollution preparedness and response based on Web GIS is updated regularly on the MERRAC website.</p> | <p>Q2-2020: (25%). Collecting and updating the information of oil and HNS spill response equipment, instructions and experts</p> <p>Q3-2020: (50%). Completing the updates of latest information (2019) on oil and HNS spill response equipment, instructions and experts on the MERRAC Webpage</p> <p>Q4-2020: (50%). Maintaining the operation of Web GIS through regularly monitoring the condition of the system and database.</p> <p>Q1-2021: (50%) No progress in Q1-2021.</p> <p>Q2-2021: (70%). Collecting the information of oil and HNS spill response equipment, instructions, and experts from Member states.</p> <p>Q3-2021: (85%). Structuring the incident information, specifically its location (geo-referencing).</p> |
| | <p>Organize regular table-top, communication and full-scale oil and NHS spill exercises</p> <p>DELTA Exercise (to be led by Korea)</p> | <p>MERRAC</p> | <p>Table-top, communication and full-scale oil and/or HNS spill exercises successfully carried out</p> | <p>Q2-2020: (50%). Improving and practicing communication system among the Members using the Online Pollution Reporting System on 28-29 May 2020, led by Russia (21st NOWPAP BRAVO Exercise)</p> <p>Q3-2020: (50%). Postponing the 8th NOWPAP DELTA Exercise to 2021 and discussing the implementation plan.</p> <p>Q4-2020: (50%). MERRAC has been monitoring the COVID-19 situation and will continuously discuss the possibility of conducting the Exercise with leading and co-leading countries.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|-------------------------|--|--|
| | | | | Q1-2021: (70%). To conduct exercises smoothly, the FAX system of Online POLREP was tested and improved. |
| | Q2-2021: (85%). Improving and practicing communication system among the Member states using the Online Pollution Reporting System on 25-27 May 2021, led by Japan (22nd NOWPAP BRAVO Exercise). | | | |
| | Q3-2021: (95%) The result of the 22 nd NOWPAP BRAVO Exercise was reported at the 23 rd MERRAC FPM and 15 th CNA Meeting. The 8 th DELTA Exercise is determined to be further discussed. | | | |
| | Assessment of the implementation of the OPRC Convention and OPRC-HNS Protocol in the NOWPAP region | MERRAC | Guide on practical methods for the implementation of the Convention and Protocol | Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project. |
| | | | | Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts. |
| | | | | Q4-2020: (45%). (see the below item). |
| | | | | Q1-2021: (45%). No progress in Q1-2021. |
| | | | | Q2-2021: (45%). No progress in Q2-2021. |
| | | | | Q3-2021: (45%). No progress in Q3-2021. |
| | | MERRAC | National reports developed with recommendations made | Q2-2020: Not started. Q3-2020: Not started. |
| Q4-2020: (50%). The questionnaire on ratification of the Convention and Protocol has been circulated, submitted by Member States, and a draft national report is being developed. | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|--|---|
| | | | | Q1-2021: (70%). All member states submitted the national report of their respective countries, and the draft report is being developed. |
| | Q2-2021: (75%). The preliminary draft report was being developed. | | | |
| | Q3-2021: (90%). The finalisation of the draft report is in progress. | | | |
| | Identification of regional cooperation activities for MARPOL convention under NOWPAP MERRAC framework | MERRAC | Tasks that require international cooperation related to MARPOL 73/78 identified (e.g., oil-waste discharge from ships, fuel-oil quality, etc.) | Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project. |
| | | | | Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts. |
| | | | | Q4-2020: (50%). Format of the national report was developed and circulated to the national nominated experts. |
| | | | | Q1-2021: (60%). The plan of organization for the expert group meeting on illegal discharges from ships was decided. Its annotated provisional agenda was developed and circulated. |
| | | | | Q2-2021: (70%). The expert group meeting on illegal discharge from ships was prepared, and the documents of the expert group meeting were developed and submitted by Member states. |
| | | | | Q3-2021: (100%). Completed. The Expert Group Meeting on illegal discharge from ships was remotely held on 6 July 2021. The report of the meeting was published and distributed. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|---|--|
| | | MERRAC | Developing the report through scope and case study ⁶ | <p>Q2-2020: (0%) Not started. Q3-2020: (0%) Not started. Q4-2020: (0%). Not started.</p> <p>Q1-2021: (40%). The national reports from China, Korea, and Russia were submitted, and Japan will submit the report soon.</p> <p>Q2-2021: (60%). The draft report was submitted as the meeting document of the 23rd MERRAC FPM & CNA Meeting.</p> <p>Q3-2021: (85%). The draft report is being developed including the discussion of the Expert Group Meeting.</p> |
| | Response options for condensate spill in context of update of NOWPAP MERRAC Regional Report on HNS Preparedness and Response | MERRAC | Publicly available data on natural gas condensate (NGC) spills and their response and consequences assessed | <p>Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project</p> <p>Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.</p> <p>Q4-2020: (37.5%). No progress in Q4-2020.</p> <p>Q1-2021: (50%). The data collection and assessment are in progress.</p> <p>Q2-2021: (60%). Further discussion on the necessity of developing response plans for offshore condensate spills has been conducted among experts.</p> <p>Q3-2021: (60%). No progress in Q3-2021.</p> |

⁶ In the previous Quarterly reports (Q2-Q4 2020), this task was presented as three sub-tasks. On a request from MERRAC the sub-tasks were combined into one task.

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|---|---|
| | | MERRAC | Proposals for the updates of NOWPAP MERRAC previously issued technical reports prepared | <p>Q2-2020: Not started.</p> <p>Q3-2020: Not started.</p> <p>Q4-2020: (37.5%). No progress in Q4-2020.</p> <p>Q1-2021: (50%). Development of the draft report is in progress</p> <p>Q2-2021: (65%). The preliminary draft report has developed with opinions and comments of experts.</p> <p>Q3-2021: (75%). The preliminary draft report has been peer-reviewed.</p> |
| | Proposal of MERRAC strategic plan for better implementation of regional cooperation on marine pollution preparedness and response | MERRAC | Possible activities/ actions to be implemented by MERRAC in the future identified | <p>Q2-2020: (20%). Nominating the relevant national expert and establishing the implementation plan of the project</p> <p>Q3-2020: (37.5%). Completion of the advisory MoUs with national nominated experts.</p> <p>Q4-2020: (50%). Identification of the latest trends of NOWPAP, IMO, and relevant regional centres, and discovering the related projects to be covered by MERRAC in future. Development of the draft plan for small group expert meeting on oil fingerprint as one of the MERRAC activity.</p> <p>Q1-2021: (60%). New activities/actions to be implemented by MERRAC are being discovered through the identification of the trends of the relevant organizations. Also, the plan for organization of the expert group meeting on oil fingerprinting was developed, and its annotated provisional agenda was prepared and circulated.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|--|-------------------------|--|--|
| | | | | <p>Q2-2021: (70%). The expert group meeting on oil fingerprinting was prepared, and the documents of the expert group meeting were developed and submitted by Member states.</p> <p>Q3-2021: (85%). The Expert Group Meeting on oil fingerprinting was remotely held on 5 July 2021. The report of the meeting including the recommendations from the meeting has been published and distributed.</p> |
| 3.1.2. The NOWPAP Member States are provided with reliable information, guidelines and best practices addressing prevention and mitigation of | Improvement of the NOWPAP Eutrophication Assessment Tool (NEAT) for assessment and monitoring of | MERRAC | Report on MERRAC strategic plan with the information package on MERRAC activities over the last 20 years published | <p>Q2-2020: Not started.</p> <p>Q3-2020 (20%). Establishing the table of contents of the strategic plan, selecting the domestic expert and assigning duties.</p> <p>Q4-2020: (50%). Development of the draft report on MERRAC strategic plan is in progress.</p> <p>Q1-2021: (60%). The contents of the report have been developed and the draft report is being written by the MERRAC secretariat with an external expert.</p> <p>Q2-2021: (65%). The draft report is being written by the MERRAC secretariat with an external expert.</p> <p>Q3-2021: (75%). The draft report is being written by the MERRAC Secretariat with support of an external expert.</p> |
| | | CEARAC | New ocean colour sensors evaluated and incorporated into an assessment of eutrophication in the coastal and closed bays in the NOWPAP region | Q2-2020: (5%). A research proposal of GEO-Google Earth Engine Programme was submitted for funding. The decision is expected in July 2020. The project outputs will help to accelerate the implementation and improvement of NEAT. An implementation plan will further be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|---|-------------------------|---|---|
| coastal and marine pollution, including eutrophication | eutrophication using satellite chlorophyll-a | | | <p>Q3-2020: (10%). Project proposal for "Development of a Near Real Time Monitoring System for Marine Coastal Eutrophication Using Google Earth Engine" was accepted in July.</p> <p>Q4-2020: (20%). CEARAC has concluded conceptual design for constructing an online match-up tool.</p> <p>Q1-2021: (30%). The construction of the tool for online match-up of satellite data is in progress and expected to be completed by May 2021.</p> <p>Q2-2021: (40%). After testing, the tool was added to the Marine Environmental Watch Project website in June 2021.</p> <p>Q3-2021: (45%).CEARAC asked FPs to nominate national experts to collect in-situ data. One explanatory meeting for the nominated experts will be held in October.</p> |
| | Organisation of expert meeting to discuss technical issues on oil and HNS spill preparedness and response | MERRAC | Expert meeting identifies specific issues related to oil and HNS spill response | <p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: Discussing schedule and specific issue of the Expert Meeting with hosting country China (10%).</p> <p>Q4-2020 and Q1-2021: (10%). No additional progress.</p> <p>Q2-2021: (30%). The draft plan for the organization of the 2021 MERRAC Expert Meeting was submitted by China, the leading country. The detailed plan will discuss in the 23rd MERRAC FPM.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|----------------------------------|--|--|
| | | | | Q3-2021: (50%). The expert meeting was determined to be remotely held from 10-11 November 2021, and the provisional agenda has been circulated. |
| 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 | RCU, Russia (2020), Japan (2021) | Regularly updated on global, regional and national actions | <p>Q2-2020: Not started. Due to restrictions of any events in the Far East Region of Russia, the planned events will be significantly scaled down in 2020. ICC will not be organised in 2020. The workshops are planned to be held online virtually. ICC 2021 in Japan is being designed by the Focal Point of Japan. No decision on the exact areas has been made.</p> <p>Q3-2020: (5%).</p> <ul style="list-style-type: none"> • RCU proposed to organise a virtual NOWPAP-TEMM Marine Litter Management Workshop and RAP MALI Focal Points Meeting. The consultation is ongoing. A tentative agenda has been developed and circulated for comments. • Contacts have been established with the nominated organiser of the campaign in Japan in 2021. Registering in the UN system (UMOJA) has started. A set of documentation has been completed and being processed for submission to the UN Partners Portal. <p>Q4-2020: (50%). NOWPAP-TEMM Marine Litter Management Workshop and Marine Litter Focal Points Meeting were organized online on 2-3 December 2020. The meeting reports have been circulated.</p> <p>Q1-2021: (60%). Contacts continued with the nominated organiser of the campaign in Japan in 2021. Registering in the UN system (UMOJA) is still ongoing.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|---|--|---|
| | | | | Q2-2021: (70%) The meeting has been confirmed to be held online on 15 September 2021. |
| | | Q3-2021: (90%).The workshop was organised on 15 September 2021 with participation of the NOWPAP Member States, UN agencies and relevant regional partners. | | |
| | | RCU, Russia (2020), Japan (2021) | Addressing marine litter, incl. microplastics provided at the annual NOWPAP-TEMM workshops | Q2-2020: (0%) Not started. |
| | | Q3-2020: 0%. Delayed due to the delays with organization of the workshops. | | |
| | | Q4-2020: (50%). Annual workshop in 2020 was held. | | |
| | | Q1-2021: 50%. No progress in Q1-2021. | | |
| | | Q2-2021: (50%) The meetings have been confirmed to be held on 15 September 2021. | | |
| | | Q3-2021: (90%). The workshop was held on 15 September 2021. | | |
| | | RCU, Russia (2020), Japan (2021) | An increasing number of various stakeholders and citizens participate in beach cleanup campaigns in member countries | Q2-2020: (0%) Not started. Activity has been postponed due to the COVID-19 pandemic. |
| | | Q3-2020: (0%). Delayed due to delays with workshops. ICC in Vladivostok in 2020 was cancelled due to restrictions posed by the Russian government. | | |
| | | Q4-2020: (30%). The 2020 ICC could not be organized due to the COVID-19 pandemic. The Marine Litter Focal Points and DINRAC reported their campaigns organized in 2020 in the NOWPAP Marine Litter Meetings on 2-3 December 2020. | | |
| | | Q1-2021: (30%). No progress in Q1-2021. | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|--|---|
| | | | | Q2-2021: (30%). No progress in Q2-2021. |
| | | | | Q3-2021: (40%). RCU Toyama Staff attended a beach cleanup campaign in Toyama on September 28, 2021. |
| | Revision of NOWPAP Regional Action Plan on Marine Litter | RCU | Consultations conducted among the Member States | Q2-2020: (0%) Not started. |
| | | | | Q3-2020: 10%. RAP MALI is being reviewed based on comments received from the focal points. |
| | | | | Q4-2020: (50%). The revised RAP MALI was prepared by RCU and circulated among the Member States on 23 Oct 2020. The NOWPAP Marine Litter FPM reviewed |
| | | | | the draft on 3 Dec 2020 and agreed on a schedule to finalize the revised RAP MALI. |
| | | | | Q1-2021: (60%). Comments have been received from the Focal Points. The draft is under revision. |
| | | | | Q2-2021: (70%). The second version of the revised RAP MALI was circulated on 29 April 2021. Comments were received on 8 June 2021. The draft is under revision. |
| | | | | Q3-2021: (70%). The draft was circulated among the NOWPAP Focal Points for national consultations. |
| | | RCU | Two meetings organised back-to-back with the annual marine litter workshop | Q2-2020: Not started. |
| | | | Q3-2020: (5%). RCU proposed to organize a virtual meeting. The consultation is ongoing. | |
| | | | Q4-2020: (50%). The 2020 NOWPAP Marine Litter Focal Points Meeting was organized on the 3rd of December 2020 focusing on the revision of RAP MALI. | |
| | | | Q1-2021: (50%). No progress in Q1-2021. | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|------------------------|---|---|---|
| | | | | Q2-2021: (55%) The meeting was confirmed to be held on 16 September 2021. |
| | | Q3-2021: (90%). The meeting was organized on 16 September 2021. | | |
| | | RCU | Revised Action Plan adopted by the end of 2021 | Q2-2020: Not started. |
| | | Q3-2020: (5%). Revision of the RAP MALI by RCU is being completed. | | |
| | | Q4-2020: (50%). The revised RAP MALI, prepared by RCU, was circulated on 23 October 2020. | | |
| | | Q1-2021: (60%). Comments have been received from the Focal Points. The draft is under revision. | | |
| | | Q2-2021: (70%). Comments have been received from the Focal Points. The draft is under revision. | | |
| | | Q3-2021: (80%). The draft was circulated among the NOWPAP Focal Points. | | |
| | | DINRAC and Member States | Updated regularly information on GPML Regional Node | Q2-2020: (5%). Ongoing. Proposal for additional funding from GPA prepared and submitted to UNEP HQs |
| | | Q3-2020: (7%). Proposal for additional funding from GPA has been prepared and submitted to UNEP HQs. Funding is expected in 2021. | | |
| Q4-2020: (15%). The new NOWPAP Marine Litter Data format has been designed jointly with OSEAN, and the MoU with RAP MALI Focal Points were drafted & sent. | | | | |
| Q1-2021: (25%). The GPML NW Pacific regional node is updated regularly. | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|--------------------------|--|--|
| | | | | <p>Q2-2021: (50%). The civil science APP for GPML NW Pacific Regional Node has been developing and testing for online publishing.</p> <p>Q3-2021: (70%). The preliminary development of an English version of the marine litter monitoring APP has been completed, and a test phase has entered.</p> |
| | | DINRAC and Member States | Evidence of the Node playing an increasing role in facilitating regional information | <p>Q2-2020: (5%). NOWPAP Regional Node reps directly contributed to an online conference on Marine Litter jointly organised by GPA and Cartagena Convention</p> <p>Q2-2020: (10%). Engagement of the NOWPAP Regional Node with GPML and GPA further strengthened. NOWPAP Regional Node actively participates in all relevant activities.</p> <p>Q4-2020: (15%). The DINRAC has organized several on the ground Regional Sea Beach cleanup with Shanghai Rendu NPO, and Jinan University (Guangzhou based) for youth's awareness on the regional ML management.</p> <p>Q1-2021: (25%). Regional sea beach cleanup activities have been conducted with partners.</p> <p>Q2-2021: (50%). The representative of DINRAC has attended international seminars to introduce the working progress of the GPML NW Pacific Regional Node.</p> <p>Q3-2021: (70%). At the DINRAC expert meeting and 19th Focal Points meeting in October, we will introduce the progress of the Marine Litter Monitoring system, the visual analysis of marine data and other fields, as well as the progress of the Regional node.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|--------------------------|--|--|
| | | DINRAC and Member States | Exchange and networking | <p>Q2-2020: (5%). Regional Node of GPML is operational. A series of discussions and virtual meetings were organised with UNEP HQs, and sister-Regional Seas Programmes (Cartagena Convention)</p> <p>Q3-2020: (8%). Continued. A coordination meeting held with GPML on the establishment of a system of rotational Regional Node Representation in major GPML activities. 2020 – Mediterranean Regional Node was selected. NOWPAP Regional Node supported this nomination.</p> <p>Q4-2020: (12%). DINRAC applied for the New Regional Node proposal on the development of NW Pacific to GPML Secretariat.</p> <p>Q1-2021: (20%). The New Proposal has been handed over to GPML Secretariat for approval. Activities are expected to be started in Apr-May to Nov 2021.</p> <p>Q2-2021: (50%). SSFA signed in June 2021.</p> <p>Q3-2021: (70%). Complete the first draft of work progress report and the expenditure report.</p> |

Priority Area 4. Conserve Marine and Coastal Biodiversity

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|--|--|--|---|
| <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> | <p>CEARAC</p> | <p>Distribution and historical changes of tidal flats and salt marshes in the NOWPAP region mapped</p> | <p>Q2-2020: (3%). Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially.</p> |
| | | <p>Q3-2020: (5%). CEARAC is preparing an MoU to contact with Dr. Murray, James Cook University, for mapping of the distribution of tidal flats and salt marshes with their mapping tool, Global Intertidal Change (GIC).</p> | | |
| | | <p>Q4-2020: (20%).</p> <ul style="list-style-type: none"> • CEARAC concluded MoU with James Cook University (led by an international consultant, Dr. Murray) for mapping the distribution of tidal flats and salt marshes in the NOWPAP region using GIC. • National experts were nominated, and they are collecting information/data on the distribution of tidal flats and salt marshes in respective member states. | | |
| | | <p>Q1-2021: (40%). National inputs have been collected.</p> | | |
| | | <p>Q2-2021: (50%). A draft distribution map was developed in April. Then, it has been reviewed by the nominated experts of the member states.</p> | | |
| | | <p>Q3-2021: (60%). Based on the revision and additional information by the nominated experts, the draft distribution map has been being improved by James Cook University.</p> | | |
| | | <p>CEARAC</p> | <p>The anthropogenic pressures on these habitats assessed</p> | <p>Q2-2020: (0%) Not started.</p> |
| <p>Q3-2020: (0%) Not started.</p> | | | | |
| <p>Q4-2020: (0%) Not started.</p> | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|---|---|--|
| | | | | Q1-2021: (0%) Not started. |
| | | Q2-2021: (0%) Not started. | | |
| | | Q3-2021: (5%).CEARAC started preparing a summary report, and information on anthropogenic pressures will be included into the report. | | |
| | | CEARAC | A report prepared | Q2-2020: (0%) Not started. |
| | | Q3-2020: (0%) Not started. | | |
| | | Q4-2020: (0%) Not started. | | |
| | | Q1-2021: (0%) Not started. | | |
| | | Q2-2021: : (0%) Not started. | | |
| | Q3-2021: (5%). CEARAC started preparing a summary report, and the first draft will be developed by the end of 2021. Then, the draft will be reviewed by CEARAC FPs and duly finalised in 2022. | | | |
| | Organisation of a training course on Environmental DNA analysis | CEARAC | A NOWPAP common analytical manual for e-DNA developed | Q2-2020: (3%). English manual was developed with support of the eDNA Society, Japan. The manual will be shared with member states and is checked by experts nominated by CEARAC FPs for usability as NOWPAP manual soon. |
| | Q3-2020: No additional progress. | | | |
| | Q4-2020: (100%). English manual for eDNA analysis was distributed to CEARAC FPs to be shared among relevant researchers. | | | |
| | Q1-2021: (100%). Completed. Q2-2021: (100%). Completed. | | | |
| | Q3-2021: (100%). Completed. | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|---|
| | | CEARAC | A training course on e-DNA analysis organized successfully | <p>Q2-2020: Started. The training course was planned in March 2021. However, for safety organization of the training course without COVID-19 pandemic, it is expected to be organized in March 2022, if the member states agree on the new date.</p> <p>Q3-2020: (5%). CEARAC participated in a web-meeting with PICES for considering co-organization of the training course.</p> <p>Q4-2020: (15%). CEARAC introduced the planned eDNA training course at the MEQ meeting of PICES in October to explore co-organization chances, if possible. Because of COVID-19 pandemic, CEARAC proposed to organize the training course in spring 2022. CEARAC FPs approved it.</p> <p>Q1-2021: (15%). No additional progress. Q2-2021: (15%). No additional progress.</p> <p>Q3-2021: (25%). Cancellation of an e-DNA training course in 2022 and organisation of an online seminar were proposed at the 18th FPM (24-25 Aug) with the development of a video manual. CEARAC FPs adopted the revised workplan by correspondence. A video manual will be developed with the support of experts of Kobe University.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|--|---|
| | Update of HAB database and HAB reference database | CEARAC | HAB Database and HAB Reference Database updated by adding the latest information on HAB occurrences in the member states | <p>Q2-2020: (3%). CEARAC will collect latest information on HAB based on the rule of updating CEARAC's HAB databases, which was developed when CEARAC constructed HAB Integrated Website.</p> <p>Q3-2020: (7%). CEARAC continues collecting new information on HABs</p> <p>Q4-2020: (40%). Available data were collected. The experts of the member states will review and update it.</p> <p>Q1-2021: (45%). The data collected have still been reviewed by the experts.</p> <p>Q2-2021: (45%).No additional progress.</p> <p>Q3-2021: (55%). CEARAC introduced the list of latest information of red tide/HAB occurrences at the 18th FPM, and asked FPs to nominate experts to review the list as well as to add more information if any. MoU with the nominated expert will be concluded in Q4-2021.</p> |
| | Case studies of estimating seagrass blue carbon in selected sea areas in the NOWPAP region | CEARAC | Case studies for each selected sea areas to estimate seagrass blue carbon conducted | <p>Q2-2020: (10%).</p> <ul style="list-style-type: none"> • CEARAC is developing a website (mapsegrass.org) to guide use of cloud-based seagrass mapping tool. The website is planning to de launched in August 2020. • Implementation plan will be discussed and approved by CEARAC FPs. After approval by FPs, activity will be started officially. <p>Q3-2020: 20%. Website on mapping seagrass distribution (mapseagrass.org) to be open to the public.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|---|--|---|
| | | | | <p>Q4-2020: (20%).</p> <ul style="list-style-type: none"> • A website (Mapseagrass.org) was opened to public with a tool, Seagrass Mapper, to map seagrass using Google Earth Engine. • Seagrass Trainer, a tool to access Seagrass Mapper from China was developed. • CEARAC prepared a draft MoU and contacted its FPs to nominate national experts and potential sea areas for conducting case studies. |
| | | <p>Q1-2021: (35%). CEARAC contracted nominated national experts.</p> | | |
| | | <p>Q2-2021: (40%). Two English manuals of the web-based tool, Seagrass Mapper and Seagrass Trainer, were added to the website.</p> | | |
| | | <p>Q3-2021: (50%). Nominated experts have continued conducting case studies. CEARAC organised a webinar for the nominated experts in Japan and Korea on Sep 30, 2021, to explain the use of Seagrass Mapper and Seagrass Trainer.</p> | | |
| | | CEARAC | An expert meeting on seagrass mapping organized successfully | <p>Q2-2020: (0%) Not started.</p> |
| | | <p>Q3-2020: (5%). CEARAC is preparing documents on case studies. It is planned to ask CEARAC FPs to nominate experts to carry out the case studies (Q4).</p> | | |
| | | <p>Q4-2020: (10%). CEARAC is considering setting up an online expert meeting.</p> | | |
| | | <p>Q1-2021: (20%). Kick-off Meeting was organized (19 Feb 2021).</p> | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|--|---|--|
| | | | | Q2-2021: (30%). The implementation plan was revised and it was decided that the planned expert meeting will be held virtually in Q4, 2021. |
| | | Q3-2021: (35%). Meeting date is being coordinated. | | |
| | | CEARAC | A booklet for seagrass conservation in the NOWPAP region published | Q2-2020: (0%) Not started. |
| | | Q3-2020: (0%) Not started. Q4-2020: (0%) Not started. | | |
| | | Q1-2021: (0%) Not started. Q2-2021: (0%). Not started. | | |
| | Q3-2021: (10%). Outline of a booklet was introduced at the 18 th CEARAC FPM in August. | | | |
| | International Workshop on Key Indicator Species and Habitats for Marine Biodiversity Change in East Asia | APN-funded project, team members | Monitoring gaps for indicators species in national biodiversity monitoring systems and other relevant monitoring methods identified | Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN). |
| | Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN). | | | |
| | Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN). | | | |
| | Q2-2021: (55%). A preparatory meeting with the project collaborators was organized on 14 April 2021 to discuss details for the workshop. The Jeju National University further discussed with the APN Secretariat. It was suggested to further postpone the workshop due to the COVID-19 pandemic. | | | |
| Q3-2021: (55%). No additional progress in Q3-2021. The meeting was postponed to 2022. | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|----------------------------------|--|--|
| | | APN-funded project, team members | Policy-relevant recommendations for NOWPAP member states developed | Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN). |
| | | | | Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | | | Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | | | Q1-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | | | Q2-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | | | Q3-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | APN-funded project, team members | Proceedings prepared | Q2-2020: Not started. Activity postponed due to COVID-19 pandemic (on a requirement of the donor – APN). |
| | | | | Q3-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN). |
| | | | | Q4-2020: Not started. Activity again postponed due to COVID-19 pandemic (on a requirement of the donor – APN). |
| | | | | Q1-2021: Not started. The workshop was proposed to be organised online in October 2021. |
| | | | | Q2-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |
| | | | | Q3-2021: Not started. Activity again postponed due to COVID-19 pandemic (on requirement of – APN). |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|--|-------------------------|--|--|
| | Collect data and information on species filed in the Red Lists of NOWPAP Member States (Phase 3) | DINRAC | Information on Red List species (Phase 3) collected and available on DINRAC website | <p>Q2-2020: Not started.</p> <p>Q3-2020: (30%). Early phase of the third stage. Data collection enters final assembly phase. Start drafting expert contracts for the next phase.</p> <p>Q4-2020: (40%). The collected forms have been compiled and updated in the DINRAC website with statistical layout.</p> <p>Q1-2021: (50%). The Red list has been compiled for the DINRAC website.</p> <p>Q2-2021: (60%). The Information has been compiled for the DINRAC Website.</p> <p>Q3-2021: (70%). The Information has been further compiled for the DINRAC Website.</p> |
| 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 | NOWPAP Partners | Participation of NOWPAP experts in relevant activities results in improved marine biodiversity conservation measures | <p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: (5%). NOWPAP and PEMSEA discussed the renewal of a long-standing cooperation agreement between the two organizations regarding sustainable development and management of marine and coastal environment. Representatives from both organizations explored cooperation in various fields in a bilateral teleconference on 15 September 2020. Specific attention was paid to further strengthening of cooperation in the field of capacity building in ICARM, as well as some other issues, e.g., marine litter and river inflow of plastics and marine protective areas.</p> <p>Q4-2020: (50%).</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <ul style="list-style-type: none"> <li data-bbox="1413 373 2089 576">• RCU was invited to attend the Session 5 of SEA of Solutions which was organized by COBSEA Secretariat on 26 November 2020. NOWPAP contributed to two side events, including an intervention on Science-Policy Dialogue in the Northwest Pacific region. <li data-bbox="1413 576 2089 858">• NOWPAP presented its efforts in addressing marine litter in the first Incheon International Ocean Forum (IIOF). RCU congratulated the Yellow Sea Large Marine Ecosystem (YSLME) Project for its achievements in regional governance on protecting the marine environment in the 5th Interim YSLME Commission Council (ICC) meeting. <p data-bbox="1413 858 2089 1038">Q1-2021: (62.5%). On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021.</p> <p data-bbox="1413 1038 2089 1369">Q2-2021: (75%).</p> <ul style="list-style-type: none"> <li data-bbox="1413 1086 2089 1182">• On 25 May, RCU attended the Webinar - User Consultations - Connect Stakeholder component of the GPML Digital Platform. <li data-bbox="1413 1182 2089 1254">• On 25 June, RCU attended the 5th UN Special Thematic Session on Water and Disasters. <li data-bbox="1413 1254 2089 1369">• On 28-29 June, RCU attended the Second pre-meeting to the Ministerial Conference on Marine Litter and Plastic Pollution. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|---|-------------------------|--|---|
| | | | | <p>Q3-2021: (80%). NOWPAP participated in and contributed to a virtual workshop organised by the Secretariat of CBD within the SOI Dialogue. Similarly to other geographical regions, NOWPAP delivered a joint presentation from the North Pacific Intergovernmental bodies: PICES, NPAFC and NOWPAP. More details on this meeting could be found at the following link: https://www.cbd.int/meetings/SOI-WS-2021-01. The key discussions at the workshop were devoted to strengthening the regional ocean governance and the post-2020 global biodiversity framework.</p> |
| <p>4.1.3. The NOWPAP Member States adopt Regional Action Plan for Marine and Coastal Biodiversity Conservation</p> | <p>Develop the Regional Action Plan for Marine and Coastal Biodiversity Conservation (RAP BIO) (CEARAC supported by RCU and other RACs)</p> | <p>RCU & CEARAC</p> | <p>Draft RAP BIO prepared</p> | <p>Q2-2020: (5%). This activity was significantly delayed due to COVID-19 outbreak. RCU has developed ToR for an international consultant to lead this work and engaged with UNEP HQ to recruit a consultant. Mobilization of consultant is expected in July-Aug 2020.</p> <p>Q3-2020: (30%). The international consultant has been recruited and has already provided a number of deliverables as per his contract. The draft RAP BIO was prepared by the International Consultant, reviewed by RCU and CEARAC, and was circulated among nominated experts and RACs for comments.</p> <p>Q4-2020: (50%). NPEC concluded a new funding agreement with UNEP for completing unfinished tasks in the activity of RAP BIO development, in which unspent budget for 2018-2019 is used. The draft RAP BIO was prepared by the Consultant, in consultation with nominated experts and RCU. The draft was circulated for comments on 9 December 2020.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|---|---|
| | | | | <p>Q1-2021: (70%). The nominated experts have provided their comments to the draft RAP BIO before 9 February 2021. Because the consensus could be not reached on a number of issues, RCU organized a virtual meeting on 30 March 2021 with the participation of nominated experts and RAC representatives. The document is under further revision and will be sent to the NOWPAP Focal Points for national consultations.</p> <p>Q2-2021: (80%). The draft RAP BIO was sent to the NOWPAP Focal Points for national consultations on 26 April 2021.</p> <p>Q3-2021: (90%).</p> <ul style="list-style-type: none"> • No additional progress on RAP BIO in Q3-2021. • NOWPAP participated in and contributed to a virtual workshop organised by the Secretariat of CBD within the SOI Dialogue. Similarly to other geographical regions, NOWPAP delivered a joint presentation from the North Pacific Intergovernmental bodies: PICES, NPAFC and NOWPAP. More details on this meeting could be found at the following link: https://www.cbd.int/meetings/SOI-WS-2021-01. The key discussions at the workshop were devoted to strengthening the regional ocean governance and the post-2020 global biodiversity framework. |
| | | RCU & CEARAC | The 2 nd and the 3 rd workshops on RAP BIO organized successfully | <p>Q2-2020: (0%) Not started.</p> <p>Q3-2020: (0%) Not started. The 2nd workshop was cancelled due to the COVID-19.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <p>Q4-2020: (15%) The 2nd workshop was cancelled due to the COVID-19. It was decided to organize virtual meetings and sign MOUs with the nominated experts to complete the work.</p> <p>Q1-2021: (50%) RCU organized a virtual meeting on 30 March 2021 with participation of nominated experts and RAC representatives. The document is under further revision and will be sent to the NOWPAP Focal Points for national consultations.</p> <p>Q2-2021: (55%) The draft RAP BIO was sent to the NOWPAP Focal Points for national consultations on 26 April 2021. No comments have been received back as of July 30,2021.</p> <p>Q3-2021: (55%).No additional progress on RAP BIO in Q3-2021. No feedback has been received as of September 30, 2021.</p> |

Strengthening regional cooperation through partnership building and resource mobilisation

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|-------------------------|--|--|
| <p>NOWPAP network of Regional Activity Centres is managed effectively and complemented by well-functioning multi-stakeholder partnerships</p> | <p>Implement and report on all IGM decisions, including project development and management and partnership building (RCU with RACs)</p> | <p>RCU</p> | <p>All IGM decisions are implemented</p> | <p>Q2-2020: (10%). Report on implementation of 23rd IGM has been included in the RCU report to the 24th IGM, however, due to COVID-19 pandemic the meeting has been postponed. PoW 2020-2021 was approved by the Member States on May 18. RCU is closely working with National FPs on options of the 24th IGM to be held in 2020.</p> |
| | | | | <p>Q3-2020: (20%). RCU continued to work with RACs and support to the preparatory activities to kick-off the implementation of the NOWPAP PoW 2020-2021. All legal instruments have been concluded (Ошибка! Источник ссылки не найден.). RACs were guided and supported in their support to various partnerships, e.g., with GPML on the NOWPAP Regional Node on Marine Litter, PICES, PEMSEA, others. POMRAC was supported by RCU with recruiting nominated experts in support of the POMRAC PoW 2020-2021. A new modality has been agreed with POMRAC and being tested by RCU, when RCU provides support to POMRAC, since the modality used in the previous biennium (engagement of experts through DINRAC) showed a number of deficiencies, e.g., significant delays and difficulty of funds transfer.</p> |
| | | | | <p>Q4-2020: (30%). RCU prepared the bridging SSFA for CEARAC to sort out the incomplete activity on RAP BIO. The hiring of consultants for POMRAC is ongoing.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|---|---|
| | | | | <p>Q1-2021: (40%) RCU is in the process to identify and hire international consultants to complete the tasks listed in the resolutions.</p> <p>Q2-2021: (50%). RCU is in the process to identify and hire international consultants to complete the tasks listed in the resolutions. ToR have been prepared and circulated amongst the Member States for comments.</p> <p>Q3-2021: (60%). A number of consultants have been identified (Communication Strategy, promotional videos, M&E Framework), recruitment is in process. In addition, ToRs for the NOWPAP MTS 2018-2023 Mid-Term Review and NOWPAP RACs Institutional Analysis have been agreed with the Member States, and recruitment process started. The two vacancy announcements have been posted in INSPIRA for the global access. A large number of applications have been received and being evaluated. Once the best candidates have been selected, contracting will start. It is expected that the contracts will be concluded in Q4-2021.</p> |
| | <p>NOWPAP tangibly contributing to global, regional, national and sub-national meetings and events increase visibility and attract new partners (RCU with RACs)</p> | <p>RCU</p> | <p>Existing partnerships are strengthened, and new ones established</p> | <p>Q2-2020: (10%).</p> <ul style="list-style-type: none"> • Existing partnerships strengthened. NOWPAP representatives directly contributed to a number of virtual meetings organized online due to COVID-19 pandemic. These included an Intergovernmental meeting of PEMSEA, a series of virtual meetings of the UNEP Regional Seas Programmes, etc. • RCU attended a virtual meeting on reducing marine plastic pollution and enhance cooperation in the East Asian region. The meeting was organised by the Foreign |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <p>Environmental Cooperation Centre (FECO) of the Ministry of Ecology and Environment of China on June 24, 2020.</p> <ul style="list-style-type: none"> • NOWPAP was invited to introduce the experience in hosting the Regional Node of Global Partnership on Marine Litter in technical consultation of the Working Group in East Asia which was organised by the Coordinating Body on the Seas of East Asia (COBSEA) on 23-25 June 2020. |
| | | | | <p>Q3-2020: (20%).</p> <ul style="list-style-type: none"> • NOWPAP further explored the possibilities of cooperation with the East Asian countries in the field of marine environmental protection at the 12th East Asian Seas (EAS). Partnership Council virtual Meeting on July 22, 2020. As an invited long-term partner, NOWPAP used this opportunity to highlight its enthusiasm for establishing further synergies with PEMSEA in marine environmental protection. • NOWPAP and the Partnerships in the Environmental Management for the Seas of East Asia (PEMSEA) discussed the renewal of a long-standing cooperation agreement between the two organizations regarding sustainable development and management of marine and coastal environment. Representatives from both organizations explored cooperation in various fields in a bilateral teleconference on 15 September 2020. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|---|
| | | | | <ul style="list-style-type: none"> • NOWPAP participated as an observer in a virtual meeting of the North Pacific Marine Science Organization (PICES) Marine Environmental Quality Committee (MEQ) on September 23, 2020. The meeting reviewed the progress of MEQ, discussed high priority items to be reported to the PICES Science Board, and new topics and directions for MEQ development. <p>Q4-2020: (40%).</p> <ul style="list-style-type: none"> • RCU was invited to attend the Session 5 of SEA of Solutions which was organized by COBSEA Secretariat on 26 November 2020. • RCU presented its efforts in addressing marine litter in the first Incheon International Ocean Forum (IIOF) which was held on 19-20 November 2020. • RCU congratulated the Yellow Sea Large Marine Ecosystem (YSLME) Project for its achievements in regional governance on protecting the marine environment in the 5th Interim YSLME Commission Council (ICC) meeting which was held on 19 October 2020 virtually. • On October 9, 2020, RCU attended a virtual global workshop was organised by the Institute for Advanced Sustainability Studies (IASS) located in Potsdam, Germany. <p>Q1-2021: (60%).</p> <ul style="list-style-type: none"> • On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <ul style="list-style-type: none"> • On 22 March, RCU was invited to attend the meeting on synergies between Regional Seas and GPML digital platform. • On 2 March 2021, RCU was invited to attend the Joint Meeting with IMO on Sharing the Best Practices for Implementation, Compliance and Enforcement related to Dumping Protocol. • On 25 February 2021, governmental officials from Chungcheongnam-do, Republic of Korea, visited the RCU in Busan, Korea, exploring the possibilities of cooperation with NOWPAP in addressing marine litter. • On 5 February 2021, RCU was invited to present its activities in the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research (APN). <p>Q2-2021: (80%).</p> <ul style="list-style-type: none"> • On 25 May, RCU attended the Webinar - User Consultations - Connect Stakeholder component of the GPML Digital Platform • On 25 June, RCU 5th UN Special Thematic Session on Water and Disasters • On 28-29 June, RCU attended the Second pre-meeting to the Ministerial Conference on Marine Litter and Plastic Pollution • NOWPAP Regional Coordinator was invited by the Toyama City Administration to deliver a lecture on NOWPAP within activities of the Toyama City International Department. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|---|---|
| | | | | <p>Q3-2021: (90%).</p> <ul style="list-style-type: none"> • RCU was invited to the Twenty-fifth Intergovernmental Meeting of the Coordinating Body on the Seas of East Asia (COBSEA) on 8-9 September 2021. • The Korea Global Forum for Peace 2021 was organised from 31 August to 2 September 2021. The Forum was hosted by the Ministry of Unification (MOU) of ROK. The key aim was to discuss the peace and unification process in the Korean Peninsula. As one of the regional players, NOWPAP was invited to present its activities at the Forum. NOWPAP was represented by RCU. • NOWPAP was invited to introduce its achievements and lessons learned in addressing marine litter in an online workshop on marine litter management organised by the 21st Century Maritime Cooperation Committee and World Association of Major Metropolises from 25 to 27 August 2021. • RCU was invited to the 13th East Asian Seas (EAS) Partnership Council (PC) Meeting on July 28-29, 2021. |
| | | RCU | Records of partnership building provided at each IGM | <p>Q2-2020: (5%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting.</p> |
| | | | | <p>Q3-2020: (10%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs.</p> |
| | | | <p>Q4-2020: (30%). Record of these is maintained in RCU and will be included in the documentation of the next IGM</p> | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|---|
| | | | | <p>meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs.</p> <p>Q1-2021: (50%).</p> <p>On 30 March, RCU attended the 26th Expanded Executive Committee Meeting of PEMSEA which was focused on the preparation of the East Asian Seas Congress 2021.</p> <p>On 22 March, RCU was invited to attend the meeting on synergies between Regional Seas and GPML digital platform.</p> <p>On 2 March 2021, RCU was invited to attend the Joint Meeting with IMO on Sharing the Best Practices for Implementation, Compliance and Enforcement related to Dumping Protocol.</p> <p>On 25 February 2021, governmental officials from Chungcheongnam-do, Republic of Korea, visited the RCU in Busan, Korea, exploring the possibilities of cooperation with NOWPAP in addressing marine litter.</p> <p>On 5 February 2021, RCU was invited to present its activities in the Subregional Parallel Sessions for South Asia and Temperate East Asia of the Asia-Pacific Network for Global Change Research (APN).</p> <p>Q2-2021: (70%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs (also - see item above).</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|---|---|
| | | | | Q3-2021: (85%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs. |
| | Maintain effective and regular dialogue, information exchange and communication between RCU and RACs and between RACs themselves (RCU) | RCU | Record of NOWPAP increasing visibility at face-to-face meetings and in media reported at IGMs | Q2-2020: Ongoing. (5%). RCU is closely engaged with all RACs on administrative and technical matters of PoW 2020-2021 implementation. |
| | | | | Q3-2020: Ongoing. (10%). RCU is closely engaged with all RACs on administrative and technical matters of PoW 2020-2021 implementation. Regular communications with RACs ensure successful start of a number of activities. Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public. |
| | | | | Q4-2020: Ongoing. (25%). Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public. |
| | | | | Q1-2021: Ongoing. (40%). Records of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides, a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs. |
| | | | | Q2-2021: (60%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs (also - see two items above). |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|--|-------------------------|---|---|
| | | | | Q3-2021: (80%). Record of these is maintained in RCU and will be included in the documentation of the next IGM meeting. Besides a detailed summary is presented in quarterly reports provided to the Member States, as well as in other reports provided to UNEP HQs (also - see two items above). |
| | Increasing number of joint activities among RACs (RCU supported by RACs) | RCU | Number and quality of joint activities between RACs | Q2-2020: Not Started. |
| | | | | Q3-2020: (5%). Participants from RACs participated in virtual meetings organised by NOWPAP. Joint activities are limited due to COVID-19 pandemic. |
| | | | | Q4-2020: (15%). Review of revised RAP MALI; Review of RAP BIO. |
| | | | | Q1-2021: (30%). Review of revised RAP MALI; Review of RAP BIO. |
| | | | | Q2-2021: (70%). Web-stories published on NOWPAP website provide highlights and contain more details on these for wider public. Review of revised RAP MALI; Review the concept note of the special project on key indicator species completed, and the document circulated among National Focal Points for feedback. |
| Q3-2021: (80%). Web-stories published on NOWPAP website provide highlights from CEARAC, MERRAC, etc. and contain more details on these for wider public. Review of revised RAP MALI; joint presentations at international events (e.g., PICES), Review the concept note of the special project on key indicator species completed, and the document circulated among National Focal Points for | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|---|-------------------------|---|--|
| | | | | feedback. RACs have been closely involved in all key activities led by RACs. |
| Strengthened regional capacity on data and information share | Reports of the 18 th and 19 th NOWPAP DINRAC Focal Point Meeting prepared | DINRAC | Report of the 18 th Northwest Pacific Data Centre Focal Points Meeting | Q2-2020: Not Started. Q3-2020: Design meeting schedule Start drafting meeting documents. (30%). |
| | | | | Q4-2020: (40%). DINRAC Secretariat has compiled the Working Documents for the 18 th DINRAC Focal Points Meeting, the meeting to be held on Jan 14 th , 2021. |
| | | | | Q1-2021: (50%). The 18 th DINRAC FPM has been successfully held online, Jan 14, 2021, due to the COVID-19 pandemic. |
| | | | | Q2-2021: (100%). The Meeting report has been compiled. |
| | | | | Q3-2021: (100%). Completed. |
| | | DINRAC | Report of the 19 th Northwest Pacific Data Centre FPM | Q2-2020: Not Started. Q3-2020: Not Started. |
| | | | | Q4-2020: (10%). The 19 th DINRAC FPM has been discussed and planned to be held in December 2021. |
| | | | | Q1-2021: (15%). Based on the discussion from the 18 th DINRAC FPM, the 19 th DINRAC FPM was proposed to be held before the end of 2021. |
| | | | | Q2-2021: (30%). The 19 th DINRAC FPM was proposed to be held in the beginning of October.2021. |
| | | | | Q3-2021: (60%). The 19 th DINRAC FPM was proposed to be held on 14 October.2021 and preparing meeting documents and review reports. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|-------------------------|---|---|
| | Implement the project plan reported and adopted by the Data Centre Focal Points Meeting | DINRAC | Implement project plan | <p>Q2-2020: Not Started.</p> <p>Q3-2020: (35%). MED activities, wildlife protection activities, expert meetings and other activities Implement project plan have been completed.</p> <p>Q4-2020: (45%). The implementation plan of MED, Endangered species, Experts Meeting has been compiled as the Working document for DINRAC 18th FPM.</p> <p>Q1-2021: (50%). The further implementation plan on MED, Endangered species, Experts Meeting has been discussed on the 18th DINRAC FPM.</p> <p>Q2-2021: (70%). Signed the MED and is collecting data on Red List species.</p> <p>Q3-2021: (80%). Further collecting data on Red List species and major marine environment. Preparation of Experts Meeting and Focal Points Meeting.</p> |
| Improved cooperation among NOWPAP experts | Preparation of expert meeting report of 18 th and 19 th Northwest Pacific Data Centre Focal Points Meeting; | DINRAC | Meeting Report for the expert meeting with 18 th NOWPAP DINRAC FPM | <p>Q2-2020: Not Started. Q3-2020: (20%). Design meeting schedule. Start drafting meeting documents.</p> <p>Q4-2020: (35%). The Meeting report will be compiled in Jan 2021 after the 18th FPM. The draft has been finished and sent to DINRAC all FPs for comments and feedback.</p> <p>Q1-2021: (100%). The Meeting report has been compiled.</p> <p>Q2-2021: (100%) The Meeting report has been compiled.</p> <p>Q3-2021: (100%) The Meeting report has been compiled.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|---|---|
| | | DINRAC | Meeting Report for the expert meeting with 19 th NOWPAP DINRAC FPM | Q2-2020: Not Started. Q3-2020: Not Started. |
| | | | | Q4-2020: (5%). The Meeting report will be compiled in Jan 2021 after the 18 th FPM. |
| | | | | Q1-2021: (10%). The 19 th DINRAC FPM was designed. |
| | | | | Q2-2021: (50%). The meeting documents for 19 th DINRAC FPM have been prepared. |
| | | | | Q3-2021: (70%) Complete the meeting documents preparation, scheduled to be held on the 14 Oct 2021. |
| | Implement RAC work plans within budgets and in accordance with agreed milestones (RACs) | RCU | All RAC projects are being executed on time and with high quality outcomes | Q2-2020: (5%). Constant effort of RCU is put into coordinating and supporting RACs in implementing the agreed PoW. In Q2-2020 was the key achievements included the development of legal instruments with all RACs, drafting ToRs for consultants (RAP-BIO, POMRAC, etc.), engaging with UNEP HQs to operationalize the 2020-2021 budget, etc. |
| | | | | Q3-2020: (15%). Constant effort of RCU is put into coordinating and supporting RACs in implementing PoW. In Q2-2020 this effort included the development of agreements between UNEP and RACs, drafting ToRs for consultants (RAP-BIO, POMRAC, Communication Strategy Review, Promotional videos review, etc.), the 2020-2021 budget has been operationalized, other activities. |
| | | | | Q4-2020: (25%). Ongoing RCU continued close cooperation with RACs on a number of activities to ensure the delivery of high-quality outcomes. Legal instruments with all RACs have been completed, including a bridging SSFA with CEARAC for the unspent funds in 2018-2019. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|---|-------------------------|---|---|
| | | | | <p>Q1-2021: Ongoing (35%). RCU continued close cooperation with RACs on a number of activities to ensure the delivery of high-quality outcomes.</p> <p>Q2-2021: (45%) The SSFA for MERRAC QNL 2021 was signed on 30 June 2021.</p> <p>Q3-2021: (60%). RCU continued close cooperation with RACs on a number of activities to ensure the delivery of high-quality outcomes.</p> |
| Promote regional marine environmental cooperation | Publish newsletters, enhanced cooperation with international partners | DINRAC | 4 NOWPAP DINRAC Newsletters | <p>Q2-2020: (20%). Preparing newsletters for the Q2-2020</p> <p>Q3-2020: Preparing newsletters for the Third quarter (35%). Newsletters are available at http://114.251.10.142:4080/sco/dinrac/publication.jsp .</p> <p>Q4-2020: 45%. Three Quarterly DINRAC newsletters has been updated, for Q4-2020 has been compiled accordingly.</p> <p>Q1-2021: (62.5%). Q1-2021 DINRAC Newsletter has been compiling.</p> <p>Q2-2021: (75%) Q2-2021 DINRAC Newsletter drafting is in progress.</p> <p>Q3-2021: (85%) Q3-2021 DINRAC Newsletter drafting in progress.</p> |
| | Organize efficiently CEARAC Focal Points and relevant expert meetings | CEARAC | Progress reviewed and meeting recommendations implemented | Q2-2020: (5%). Postponed until COVID-19 outbreak is under control. Discussions take place with FPs on modality to approve an Implementation Plan for PoW 2020-2021. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|---|---|
| | | | | <p>Q3-2020: (10%). Instead of an in-person meeting, CEARAC FPs reviewed, and approved implementation plans of CEARAC activities for 2020-2021 through e-mail communication in August. Following the approval, CEARAC stated its planned activities 2020-2021 officially.</p> <p>Q4-2021: (10%). No progress in Q4-2021.</p> <p>Q1-2021: (20%). Ongoing in Q1-2021.</p> <p>Q2-2021: (30%). It was decided to organise the 18th FPM on 24-25 August virtually. Meeting documents are being prepared.</p> <p>Q3-2021: (80%). 18th FPM was successfully organised virtually on 24-25 August 2021. The FPs adopted the progress reports for the 2020-2021 activities in principle and agreed to submit the proposed workplan for 2022-2023 to the 24th NOWPAP IGM. Proceeding of the meeting are being finalised.</p> |
| | Organize efficiently DINRAC Focal Points and relevant expert meetings | DINRAC | Progress reviewed and meeting recommendations implemented | <p>Q2-2020: Not Started. Q3-2020: Not Started.</p> <p>Q4-2020: (15%). The Progress/Final Reports will be discussed at 18th DINRAC Focal Points Meeting to be finished in Jan 2021.</p> <p>Q1-2021: (25%). The Progress/Final Reports have been discussed at the virtual 18th DINRAC Focal Points Meeting.</p> <p>Q2-2021: (50%) The 18th DINRAC FPM has been successfully held online, Jan 14, 2021.</p> <p>Q3-2021: (60%) The 19th DINRAC FPM is planned to be held on 14 October 2021.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|------------------------|-------------------------|--|--|
| | | DINRAC | DINRAC new directions identified | Q2-2020: Not Started. Q3-2020: Not Started. |
| | | | | Q4-2020: (15%). The topic will be discussed at the 18th DINRAC FPM (The Working Document related has been discussed at the Meeting). |
| | | | | Q1-2021: (25%). The Brainstorming Workshop for DINRAC direction has been held back-to-back with DINRAC 18 th Focal Points Meeting. |
| | | | | Q2-2021: (50%). The direction document has been drafted connected with the meeting documents for the 19 th DINRAC Focal Points Meeting. |
| | | | | Q3-2021: (75%). The Expert Meeting has discussed the DINRAC thematical areas and several directions has been selected as the potential field for DINRAC activities. |
| Organize efficiently MERRAC Focal Points meetings | | MERRAC | Implementation of the RCP discussed | Q2-2020: (25%). The 23 rd MERRAC FPM were delayed based on consultation with Member States, and the major agenda will be discussed by email communication in August 2020. Uploading the meeting documents including the contents of the NOWPAP RCP at the website. |
| | | | | Q3-2020: (25%). No progress in Q3-2020 |
| | | | | Q4-2020: (35%). The major agenda of the 23 rd MERRAC FPM was discussed by email communication from 30 July to 16 October. The report of the e-mail discussion for the 23 rd MERRAC Focal Points Meeting, and 15 th Competent National Authorities was published and uploaded on |
| MERRAC website, and the hard copies of the report were distributed to the relevant organization such as UNEP, IMO, etc. | | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|---|---|---|
| | | | | Q1-2021: (45%). The 23 rd MERRAC FPM and 15 th CNA Meeting were decided to be held remotely on 7 and 8 July 2021. The annotated provisional agenda was developed and circulated to Focal Points, and participants for the meetings were investigated. |
| | | Q2-2021: (60%). The 23 rd MERRAC FPM and 15 th CNA Meeting were prepared to be held remotely using WebEx platform. The information and documents of the meetings were submitted by NOWPAP Member states. | | |
| | | Q3-2021: (95%). The 23 rd MERRAC FPM and 15 th CNA Meeting were remotely held on 7-8 July 2021. The report of the meeting has been published and distributed with the report of the MERRAC Expert Group Meetings. | | |
| | | MERRAC | Relevant information on oil and HNS spill preparedness and response in the region exchanged | Q2-2020: (25%). Uploading the meeting documents including the information of the oil and HNS incidents at the website |
| | | Q3-2020: (25%). No additional progress. | | |
| | | Q4-2020: (35%). Uploaded articles related to oil and HNS spill and schedules of the relevant organisation on the website. | | |
| | | Q1-2021: (50%). Uploading of articles related to oil and HNS spill on the MERRAC website continued. | | |
| | | Q2-2021: (65%). Uploading the meeting documents including the information of the oil and HNS incidents at the website and articles related to oil and HNS spill on the MERRAC website continued. | | |
| | | Q3-2021: (85%) Uploading of articles related to oil and HNS spill on the MERRAC website continued. | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|--|--|-------------------------|--|--|
| | Organize efficiently POMRAC Focal Points meetings | POMRAC | Progress reviewed and meeting recommendations implemented | <p>Q2-2020: Not Started. Postponed due to COVID-19 pandemic. POMRAC Secretariat is working on alternative modality – a virtual online meeting.</p> <p>Q3-2020: (10%). Documentation for the meeting has been prepared for uploading, a virtual meeting is planned for Nov-Dec 2020</p> <p>Q4-2020: (20%). 17th POMRAC FPM was held on-line in October 2020.</p> <p>Q1-2021: (40%). 18th POMRAC FPM will be held in October 2021.</p> <p>Q2-2021: (50 %). Preparation of preliminary materials for the 18th POMRAC FPM meeting started (Programme).</p> <p>Q3-2021: (60%). Due to the delay in signing contracts between UNEP and national experts and international consultants, the deadlines for all work have moved further, therefore 18th POMRAC FPM will be held tentatively in November 2021.</p> |
| 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 | RCU | <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 | <p>Q2-2020: Ongoing (12%):</p> <ul style="list-style-type: none"> • RCU regularly attends the Ecosystems Integration Branch meetings and meetings of the Ecosystems Division’s Division Leadership Team (DLT). • RCU attended the Review meeting of the Regional Seas Global Outlook Report on 30 June 2020. • Updated the list of resource mobilization opportunities in Japan • Preparing NOWPAP panels with photos and introductory notes |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|--|---|
| | <ul style="list-style-type: none"> - 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 | | <p>Timely and efficient processing of contracts, procurement and other relevant services</p> | <ul style="list-style-type: none"> • Consulting with local governments on possible collaboration works in fiscal year 2020 • NOWPAP budget was allocated in UMOJA in accordance with the IGM approval • Invoices for 2020 contribution from NOWPAP member states for 40PNL (Trust Fund) were issued • Invoice for 2020 contribution from Japan for 32 QNL (support of RCU Toyama Office) was issued • Invoice for 2020 contribution from Korea for 32 QNL (support of RCU Busan Office) in process • Contract with Korean Coast Guard for support of MERRAC was signed and started • Contracts with CEARAC, MERRAC for 2020-2021 NOWPAP PoW were signed and started • Contract with POMRAC for 2020-2021 NOWPAP PoW was approved, and in process for signatures • Contract with DINRAC for 2020-2021 NOWPAP PoW is in process of issuance <p>Q3-2020: Ongoing (25%).</p> <ul style="list-style-type: none"> • Closing pending SSFA of CEARAC for 2018-2019, processed • 2020 contributions from NOWPAP Member States are being followed up by Nairobi. • Financial reports to Member States on QNL have been provided as requested. |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|---|
| | | | | <p>Q4-2020: (45%).</p> <ul style="list-style-type: none"> • China's contribution to NOWPAP PoW (40PNL for 2020) was recognized on 26 October 2020. With this payment, all of four Member States of NOWPAP completed the 2020 contribution to 40PNL at USD 125,000. • Preparation for recruitment of UN Consultants for POMRAC has been initiated: registering experts in the system, preparing Terms of Reference, etc. <p>Q1-2021: (55%). - Contributions from Member States 2021 approved by 3rd Extraordinary IGM are being processed, invoices for the Member States have been requested (Russia, Korea). An overview of the current status of contributions of the Member States is presented in Ошибка! Источник ссылки не найден..</p> <ul style="list-style-type: none"> - SSFAs are being developed to support the operation of the NOWPAP Regional Node of the Global Partnership on Marine Litter (GPML) - A bridging SSFA for CEARAC has been finalized to ensure completion of activities or PoW 2018-2019 due to the expiry of SSFA 2018-2019. - An overview and status of PCAs/SSFAs is presented in Ошибка! Источник ссылки не найден.. <p>Q2-2021: (75%).</p> <ul style="list-style-type: none"> • Contributions from Member States 2021 (see Ошибка! Источник ссылки не найден.). • Status of Legal Instruments (see Ошибка! Источник ссылки не найден.). |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|---|--|------------------------------|--|---|
| | | | | <ul style="list-style-type: none"> • Status of Contracting of consultants to support POMRAC activities (see Annex 3). |
| | | | | <p>Q3-2021: (90%).</p> <ul style="list-style-type: none"> • Contributions from Member States 2021 (see Ошибка! Источник ссылки не найден.). • Status of Legal Instruments (see Ошибка! Источник ссылки не найден.). <p>Status of Contracting of consultants to support POMRAC activities (see Annex 3).</p> |
| <p>NOWPAP communications, public advocacy and digital engagement products better inform, influence and mobilize stakeholders and resources for the protection of marine and coastal environment</p> | <p>Produce information and outreach materials increasing NOWPAP visibility (RCU supported by RACs)</p> | <p>RCU supported by RACs</p> | <p>Number and quality of NOWPAP public outreach materials reported to each IGM</p> | <p>Q2-2020: Ongoing. Scripts for NOWPAP promotional videos in English sent to RACs for comments. Three web stories were posted on NOWPAP website. NOWPAP newsletter for 2020 Q2 was prepared. (10%).</p> <p>Q3-2020: Ongoing. (20%). Major highlights are presented in web stories. Five web stories were published. https://www.unenvironment.org/nowpap/news-and-stories Newsletter for the second quarter 2020 published. https://www.unenvironment.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2019-q2 . Preparation of the newsletter for the third quarter 2020 is ongoing.</p> <p>Q4-2020: 45%. ToR for revision of the promotional videos have been completed, international consultant to revise the Communication Strategy and Videos has been identified. Contracting is ongoing. Major highlights are presented in web stories. Five web stories were published. https://www.unenvironment.org/nowpap/news-and-stories</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <p>Newsletter for the third quarter 2020 published. https://www.unenvironment.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2020-q3</p> |
| | | | | <p>Q1-2021 (65%):</p> <ul style="list-style-type: none"> • An international consultant has been selected to revise the NOWPAP Communication Strategy and scripts of the promotional videos, contracting started • Seven web stories were prepared. |
| | | | | <p>Q2-2021: (80%).</p> <ul style="list-style-type: none"> • A contract for the international consultant to revise the NOWPAP Communication Strategy and scripts of the promotional videos is being processed by UNEP HQ, the contract will be issued in early Q3-2021 • ToR for an international consultant on a Mid-Term Review and the development of a Monitoring and Evaluation Framework have been developed and circulated among the Member States for comments, no feedback from the Member States received yet • ToR for an institutional analysis of NOWPAP with focus on RACs have been developed and circulated among the Member States for comments, two Member States provided feedback. • Three web stories were prepared • Newsletter for the first quarter 2021 published. https://www.unep.org/nowpap/resources/nowpap-quarterly/nowpap-quarterly-2021-q1 |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|--|-------------------------|---|--|
| | | RCU | Regularly updated and renewed NOWPAP corporate website | Q3-2021: (85%). The newsletter for Q3-2021 is under preparation. |
| | | | | Q2-2020: (12%). NOWPAP website is regularly updated. |
| | | | | Q3-2020: (25%). NOWPAP website is regularly updated. |
| | | | | Q4-2020: (35%). NOWPAP website is regularly updated. |
| | | | | Q1-2021: (50%). NOWPAP website is regularly updated. |
| | | | | Q2-2021: (65%). NOWPAP website is regularly updated. |
| | Q3-2021: (80%). NOWPAP website is regularly updated. | | | |
| | Upgrade and regularly update RAC websites (RACs) | RACs | Regularly updated and renewed RACs websites | Q2-2020: (12%). Ongoing. All websites are regularly updated. |
| | Q3-2020: (25%). All websites are regularly updated. | | | |
| | Q4-2020: (45%). All websites are regularly updated. Annual CEARAC newsletter (English and Japanese) for 2020 was posted on its website in December 2020. | | | |
| | Q-2021: (55%). Websites are regularly updated. | | | |
| | Q2-2021: (65%). Websites are regularly updated. | | | |
| | Q3-2021: (80%). RAC websites are regularly updated. | | | |
| | Completion of NOWPAP Communication Strategy and its implementation | RCU | Communication Strategy completed and consulted with Member States | Q2-2020: Not Started. 0%. |
| | Q3-2020: (10%). The ToR for hiring an international consultant was developed and circulated to the Member | | | |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <p>States for commenting. Feedback duly received. Recruitment process to start in Q4 2020.</p> <p>Q4-2020: (15%). Communication Strategy is being revised. The process is led by RCU. ToR for the revision of the Communication Strategy and revision of the NOWPAP Promotional Videos have been prepared. Two individual consultants were identified for the revision of the Communication Strategy and scripts of the videos (one contract) and production of the videos (second contract). The process of finalisation of this work has been developed by RCU and will be presented at the 3rd Extraordinary IGM in January 2021.</p> <p>Q1-2021: (25%). An international consultant has been selected to revise the NOWPAP Communication Strategy and scripts of the promotional videos. Contracting is in process.</p> <p>Q2-2021: (30%). Contracting is in process, all required documents have been collected and submitted to UNEP HQs. A shopping cart and PO have been created. The contract will be issued in early Q3-2021.</p> <p>Q3-2021: (35%). Contracting procedure has been nearly finalised. Additional requirements for documents to be provided by the selected consultant (related to COVID-19 pandemic and a more rigorous procedure in UNEP CSD) have been collected from the consultant and provided to UNEP HQs. Contract is expected in Q4-2021.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|---|-------------------------|---|---|
| | External capacity and financial resources are mobilized for the implementation of NOWPAP activities | RCU | <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) - Maintain a regular internship program (RCU) - Review of Special Project | <p>Q2-2020: Started. Additional resources are expected to be mobilized through CEARAC-led research Project to be funded by the GEO-Google Earth Engine Programme the Project team also includes representatives from the Nagoya University, NPEC, the Japan Aerospace Exploration Agency, GOOGLE, Limited Liability Company (LLC), UNEP GPA, NOWPAP RCU, and the Japan Association for the UNEP. (5%)</p> <p>Q3-2020: (20%). UNEP HQs informed that they would fund the marine litter related proposals submitted by NOWPAP. In addition, substantial funding is expected by GPA for the Regional ML Node operation. The funds are coming from a contribution of UNEP Member States on GPML support. The final amount is not yet clear. Mechanisms how to make the funding available to NOWPAP are being discussed with GPML Secretariat.</p> <p>Q4-2020: 20%. Three interns-graduates from the Tokyo University were engaged with CEARAC in the preparation, organization and preparing a detailed report on the NOWPAP-TEMM Joint Workshop and RAP MALI Focal Points meeting on 2-3 December 2020. The interns provided effective support to the meeting. A request has been submitted to UNEP HQ on the involvement of a JPO to NOWPAP. The application has been submitted to Nairobi for the inclusion in the corporate announcement of UNEP Member States.</p> <p>Q1-2021: (40%). GPA Secretariat approved US\$60,000 to support the marine litter activities of the Regional Node on Marine Litter of GPML.</p> |

| Outcomes / Expected Accomplishments | 2020-21 PoW Activities | Responsible NOWPAP Body | 2020-21 PoW Outputs / Performance indicators | Progress Summary (% of completion) |
|-------------------------------------|------------------------|-------------------------|--|--|
| | | | | <p>Q2-2021: (50%). Three SSFAs were signed with DINRAC, POMRAC and OSEAN respectively. The first installments were paid to DINRAC and OSEAN.</p> <p>Q3-2021: (60%). All legal agreements are under implementation. Delivery is satisfactory. Interim reports collected and submitted for further processing to UNEP HQs. More details could be found in Ошибка! Источник ссылки не найден..</p> |

Annex 2. Detailed Presentation of Implementation of Resolutions of the 3rd Extraordinary IGM

Table 9 Report on Implementation of Resolutions of 3rd Extraordinary IGM as of **September 30, 2021**

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|---|------------------|--|---|----------|-------------|---|
| | | | Deliverable | Deadline | | |
| 1 | Res 1.3 | Contribution of Member States to NOWPAP Trust Fund and Grants paid | Records of recognized contributions by UNEP | Dec 2021 | 10% | Q1-2021: QNL Korea to Support MERRAC in 2021 – completed. No progress on other contributions. |
| | | | | | 32% | Q2-2021: Amounts confirmed for Russia and Japan, Contribution of Russia is paid to NOWPAP. See Ошибка! Источник ссылки не найден. for details. |
| | | | | | 87% | Q3-2021: All contributions have been paid and processed, except for the contribution of ROK to NOWPAP Trust Fund (40PNL) and one of the four contributors from Japan to 32QNL. See Ошибка! Источник ссылки не найден. for details. |
| 2 | Res 1.5 | An overview of financial status of NOWPAP Trust Fund (40PNL) | | Q4-2021 | Not Started | Q1-2021: Not started. |
| | | | | | 0% | Q2-2021: No progress in Q2-2021. |
| | | | | | 0% | Q3-2021: No progress in Q3-2021. |
| 3 | Res 1.6 | Consultations with Member States prior to engagements on additional resource mobilization activities | Records of consultations | Ongoing | Ongoing | Q1-2021: Not started. |
| | | | | | | Q2-2021: No progress in Q2-2021. |
| | | | | | 80% | Q3-2021: Additional resources have been mobilised by RCU from GPA |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status | |
|---|------------------|--|--------------------------------------|----------|-------------|---|--|
| | | | Deliverable | Deadline | | | |
| | | | | | | team in UNEP HQs (USD 60K). This has been duly communicated to the Member States. | |
| 4 | Res 2.2 | Design of additional activities to support Priority Area 1 of NOWPAP MTS 2018-2023 "Support Ecosystem-Based ICARM" | Activities on ICARM in PoW 2022-2023 | Dec 2021 | Not Started | Q1-2021: Not started. | |
| | | | | | | Q2-2021: No progress in Q2-2021. | |
| | | | | | | Q3-2021: No progress in Q3-2021. | |
| 5 | Res 2.3 | Introduction of innovative ways and methods of working | Records on individual activities | Ongoing | 25% | Q1-2021: Specific reference could be made to the organization of a number of meeting virtually. During Q1-2021 the following meetings were held virtually: 3 rd Extraordinary IGM, consultations on special project on marine biodiversity, consultations on CEARAC project on the upscaling of NEAT using Google Earth Engine, consultative meeting with RACs and experts on RAP-BIO, a number of other technical meetings. | |
| | | | | | | 50% | Q2-2021: This work successfully continued in Q2-2021. A series of technical and working meetings took place, including participation in several training events organised by UNEP in light of introduction of new corporate systems (UMOJA2, IMDR, etc.) |
| | | | | | | 75% | Q3-2021: This work successfully continued in Q2-2021. A series of technical and working meetings took place, including participation in several training events organised by UNEP in |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|---|------------------|---|---------------------|-------------------------------|-------------|--|
| | | | Deliverable | Deadline | | |
| | | | | | | light of introduction of new corporate systems (UMOJA2, IMDR, etc.). |
| 6 | Res 2.5 | Regular (quarterly) update of the NOWPAP Member States on progress of implementation of PoW 2020-2021 | Quarterly Report | Each quarter starting Q2-2020 | 50% | Q1-2021: Four reports were provided to the Member States, notably: A baseline report for the period Jan-May 2020, and three full-fledged Quarterly reports (Q2-2020, Q3-2020, Q4-2020). |
| | | | | | 62.5% | Q1-2021: An additional Quarterly Report to Member States for Q1-2021 was provided on April 30, 2021. |
| | | | | | 75% | Q3-2021: An additional Quarterly Report to Member States for Q1-2021 was provided on July 29, 2021. |
| 7 | Res 3.2 | Finalized RAP BIO submitted to 24 th IGM | RAP BIO | Q4-2021 | 60% | Q1-2021: Consultant was deployed to address comments of the member states on the previous version of RAP BIO, a road map for the development of RAP BIO approved in PoW 2020-2021. Draft RAP BIO submitted by the consultant, commented on by RACs and Member States, the first consultative meeting of Member States representatives and RACs was organised on Mar 30, 2021. Recording of the meeting was sent to the consultant to update RAP BIO accordingly. |
| | | | | | 60% | Q2-2021: No progress in Q2. The document is still being considered by the Member States |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|----|------------------|---|-----------------------|----------|-------------|--|
| | | | Deliverable | Deadline | | |
| | | | | | 60% | Q3-2021: No progress in Q3. The document is still being considered by the Member States. |
| 8 | Res 4.2 | Completed special project proposal "Monitoring and Assessment Methods for Microplastics Pollution" | Project Proposal | Mar 2022 | 20% | Q1-2021: Project is ongoing. Funds have been transferred from UNEP to CRAES. Regular reporting and funds requests are provided by CRAES (see Ошибка! Источник ссылки не найден.) |
| | | | | | 30% | Q2-2021: Project is ongoing smoothly. No additional issues in Q2-2021. |
| | | | | | 40% | Q3-2021: Project is ongoing smoothly. No additional issues in Q3-2021. |
| 9 | Res 4.3 | Additional Financial resources agreed for special project "Monitoring and Assessment Methods for Microplastics Pollution" | Formalized agreements | Mar 2022 | Not Started | Q1-2021: Not started. |
| | | | | | 0% | Q2-2021: No progress in Q2-2021. |
| | | | | | 0% | Q3-2021: No additional issues in Q3-2021. |
| 10 | Res 4.4 | Detailed background information and analysis on the delay of the project "Identification of Key Indicator Species and Ecosystems of Biodiversity Change in the NOWPAP Region" | Report | Q4-2021 | Not Started | Q1-2021: Not started. |
| | | | | | 10% | Q2-2021: A summary of the background information has been prepared and included in a Concept of this Special Project being reviewed by the Member States. |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|----|--------------------|--|--|-----------------------|-------------|---|
| | | | Deliverable | Deadline | | |
| | | | | | 20% | Q3-2021: The concept is being reviewed by the Member States. |
| 11 | Res 4.7 | A scoping paper on Special Projects | Lessons learned during the development of the Special Projects | Q4-2021 | Not Started | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | Recommendations to improve the operational procedure and a business method | Q4-2021 | Not Started | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | A manual with Guidelines on preparing NOWPAP special projects | Q4-2021 | Not Started | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| 12 | Res 5.2 | NOWPAP Communication and Outreach Strategy, including Promotional Videos | Consultant contract | May 2021 | 10% | Q1-2021: Consultant selected. Contracting is ongoing. |
| | | | | | 15% | Q2-2021: Contract is being finalised. |
| | | | | | 20% | Q3-2021: Contract is being issued. |
| | | | Draft NOWPAP Communication and Outreach Strategy | Q4-2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | Scripts for Promotional Videos | Aug 2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | Consultant contract | Aug 2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | Promotional Videos | Q4-2021 | | Q1-2021: Not started. | | |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|----|------------------|--|---|-----------|-------------|---|
| | | | Deliverable | Deadline | | |
| | | | | | | Q2-2021: Not started. Q3-2021: Not started. |
| 13 | Res 6.1 | Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023 | ToR for Monitoring and Evaluation Framework | Apr 2021 | Not Started | Q1-2021: Not started. |
| | | | | | 5% | Q2-2021: ToR prepared and being considered by the Member States. |
| | | | | | 15% | Q3-2021: ToR agreed with Member States, vacancy announcement published, candidates are being evaluation to select the most suited consultant. |
| | | | Consultant contract | May 2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | Draft Monitoring and Evaluation Framework of NOWPAP MTS 2018-2023 | Q4-2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| 14 | Res 6.2 | A concept paper on a Mid-Term Review of the implementation of the NOWPAP MTS 2018-2023 | ToR for MTR based on UNEP/GEF Guidelines | Sept 2021 | Not Started | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: 100%. Completed. ToR have been provided to Member States and commented on. |
| 15 | Res 7.1 | Technical support by RCU to the 24 th IGM | Meeting organized virtually | Q4-2021 | Not Started | Q1-2021: Not started. Q2-2021: Not started. |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status | | |
|----|------------------|--|--------------------------------|-----------|-------------|---|--|---|
| | | | Deliverable | Deadline | | | | |
| | | | | | | Q3-2021: Not started. | | |
| 16 | Res 7.3 | A positioning paper on institutional analysis of NOWPAP and operation of individual RACs | ToR for institutional analysis | May 2021 | Not Started | Q1-2021: Not started. | | |
| | | | | June 2021 | | 5% | Q2-2021: ToR prepared and being considered by the Member States. | |
| | | | | | 15% | Q3-2021: ToR agreed with Member States, vacancy announcement published, candidates are being evaluation to select the most suited consultant. | | |
| | | | | | | Consultant contract | July 2021 | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | | | | An assessment of the <i>modus operandi</i> of NOWPAP RACs and the collaboration between RCU and RACs | Aug 2021 | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | | | | Recommendations how to how to improve the overall operation of NOWPAP and operation of individual RACs | Sept 2021 | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| | | | | | | Re-prioritization of mandates including possible options for discussions and | Oct 2021 | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |

| # | Resolution. Item | Final Output | Implementation plan | | Progress, % | Status |
|----|------------------|----------------------------------|--|------------|-------------|---|
| | | | Deliverable | Deadline | | |
| | | | timetable to address this issue | | | |
| | | | Draft Positioning paper for discussion at 24 th IGM | Q4-2021 | | Q1-2021: Not started. Q2-2021: Not started. Q3-2021: Not started. |
| 17 | Res 7.4 | A Concept Note of a NOWPAP Award | Draft Concept Note of a NOWPAP Award | March 2021 | Not Started | Q1-2021: Not started. |
| | | | | June 2021 | 3% | Q2-2021: The first draft has been prepared by RCU and sent to the National Focal Point of Russia for comments. |
| | | | | | 10% | Q3-2021: A concept paper has been prepared, shared with the National Focal Point of Russia. Following received feedback, the second revision of the concept has been completed and shared. Feedback and the next discussions will be held in Q4-2021. |

Annex 3. Status of Contracting of Consultants to Support POMRAC Activities in 2021 (September 30, 2021)

| Country | EcoQOs | | River Microplastic | | SOMER 3 | |
|-------------------|----------------------|---|--------------------|--|-----------------------------|--|
| | Expert | Status, Sept 30, 2021 | Expert | Status, Sept 30, 2021 | Expert | Status, Sept 30, 2021 |
| China | Prof. Hongjun Li | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Dr. Maowei JU | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Dr. Wenlu Lan | Contract process has been initiated by HQs, and additional certificate needs to be submitted |
| Japan | Prof. Masashi KIYOTA | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Mr. KOJIMA | All processed by RCU, INSPIRA Process completed. Waiting for Nairobi to issue contract. INSPIRA Process completed. | Prof. IMAI Ichirou | Being contracted through CEARAC due to complications with recruiting through UNEP. |
| ROK | Prof. Khim | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Prof. Khim | Contract process has been initiated by HQs, and additional certificate needs to be submitted. | Prof. Khim | Contract process has been initiated by HQs, and additional certificate needs to be submitted |
| Russia | Dr. Zuenko | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Mr. Kozlovsky | Contract process has been initiated by HQs, and additional certificate needs to be submitted | Dr. Shulkin | Contract has been approved and being finalised by HQs |
| Regional Overview | Dr. Tkalin | Contract process has been initiated by HQs, and additional document needs to be submitted for special approvals | Mr. KOJIMA | Contract process has been initiated by HQs, and additional certificate needs to be submitted | TO BE SELECTED ⁷ | Not started |

⁷ POMRAC has not yet assigned an expert to play this role.