

United Nations Environment Programme

**NOWPAP**



**Northwest  
Pacific  
Action Plan**



Distr.: RESTRICTED  
UNEP/NOWPAP/ 2019 RAP MALI Meeting  
**rev 0**  
29 December 2019  
Original: English

Twenty Fourth Intergovernmental Meeting of  
the Northwest Pacific Action Plan  
Beijing, People's Republic of China  
11-13 February 2020

**2019 Meeting of the NOWPAP Regional Action Plan on Marine Litter  
(RAP MALI)**

**Dalian, People's Republic of China  
26 September 2019**

For reasons of economy, this document is printed in a limited number. Delegates are kindly requested to bring their copies to meetings and not to seek additional copies.

**Regional  
Seas**

## Contents

Introduction.....	4
Agenda 1: Opening of the Meeting.....	4
Agenda Item 2: Organization of the meeting and election of officers.....	4
Agenda Item 3: Adoption of the Agenda.....	4
Agenda Item 4: Progress reports of NOWPAP RCU an Regional Activity Centers.....	4
Progress Report from NOWPAP RCU .....	4
Progress Reports from NOWPAP RACs .....	4
Agenda Item 6: Marine Litter activities for NOWPAP Programme of Work 2020-2021.....	6
Agenda Item 7: Arrangements for the 2020 NOWPAP RAP MALI FP meeting .....	6
Agenda Item 8: Adoption of the 2019 NOWPAP RAP MALI FPM decisions.....	6
Agenda Item 9: Closure of the meeting.....	6
Annex 1. Decisions of the 2019 NOWPAP RAP MALI Meeting.....	7
Annex 2. Activities.....	8
Annex 3. Agenda of the Meeting.....	9
Annex 4. List of Participants.....	11

## List of Acronyms

CEARAC	Special Monitoring and Coastal Environmental Assessment Regional Activity Center
COBSEA	Coordinating Body on the Seas of East Asia
DINRAC	Data and Information Network Regional Activity Center
EO IGM	Extraordinary Intergovernmental Meeting
FP	Focal Point
FPM	Focal Points Meeting
GPML	Global Partnership on Marine Litter
IGM	Intergovernmental Meeting
MALITA	Marine Litter Activity
MERRAC	Marine Environmental Emergency Preparedness and Response Regional Activity Centre
ML	Marine Litter
NOWPAP	Northwest Pacific Action Plan
NPOs	Non-Profit Organizations
NW	Northwest
OSEAN	Our Sea of East Asia Network
POMRAC	Pollution Monitoring Regional Activity Center
RAC(s)	Regional Activity Center(s)
RAP MALI	Regional Action Plan on Marine Litter
RCU	Regional Coordination Unit
SDGs	Sustainable Development Goals
TEMM	Tripartite Environment Ministers Meeting
UNEP	United Nations Environment Programme
WWF	World Wide Fund

## **Introduction**

1. The 2019 RAP MALI Meeting was held in Dalian International Finance Conference Center in Dalian, People's Republic of China, on 26<sup>th</sup> September 2019 from 9:00 to 17:30. NOWPAP Marine Litter (ML) Focal Points (FPs), representatives of NOWPAP Regional Activity Centers (RACs) and Regional Coordinating Unit (RCU) attended the meeting. Representatives from China's National Marine Environment Monitoring Center, Coordinating Body on the Seas of East Asia (COBSEA) of United Nations Environment Programme, and WWF China Office have attended the meeting as observers. The meeting agenda and the list of participants are attached in Annex 3 and 4, respectively.

### **Agenda 1: Opening of the Meeting**

2. The 2019 NOWPAP Regional Action Plan on Marine Litter (RAP MALI) Meeting was opened at 9:00 on Thursday, 26th September 2019 by Dr. Ruizhi LIU, RAP MALI Focal Point of China, along with Dr. Ning LIU, NOWPAP RCU Programme Officer.

### **Agenda Item 2: Organization of the meeting and election of officers**

3. Dr. Xiangbin PEI, Director of the Department of Marine Ecological Environment, Ministry of Ecology and Environment, China, was elected as Chair during the meeting. The rules of procedure for the meeting followed those of the United Nations Environment Assembly (UNEA).

### **Agenda Item 3: Adoption of the Agenda**

4. NOWPAP RCU Programme Officer, Dr. Ning LIU, introduced the Annotated Provisional Agenda. The agenda was reviewed and adopted.

### **Agenda Item 4: Progress reports of NOWPAP RCU and Regional Activity Centers**

5. NOWPAP RCU and RACs representatives introduced progress made since the last meeting in 2018 and reported on the proposed activities for 2020-2021 biennium

#### **Progress Report from NOWPAP RCU**

6. NOWPAP Programme Officer, Mr. Ning LIU, presented the Progress Report from NOWPAP RCU. His presentation summarized adopted terms of reference of RAP MALI Focal Points Meeting, NOWPAP's contributions to international global and regional efforts and follow-up and review of SDG 14 through the Regional Seas programmes.

#### **Progress Reports from NOWPAP RACs**

7. Mr. Takafumi YOSHIDA, senior researcher of CEARAC, presented the Progress Report from NOWPAP CEARAC and CEARAC marine litter activities for the 2018-2019 biennium. There are three major activities to be conducted. Firstly, information about national actions on marine microplastics is to be collected, followed by reviewing and adding information as well as preparing a summary report. Secondly, the translation of the Northwest Pacific Regional Node into Japanese will be completed for Japanese users. Thirdly, to compile and harmonize marine litter monitoring data on beaches and submit the collected data to DINRAC.

8. Ms. Yinghao CHEN, Project Manager of DINRAC, presented the progress of Northwest Pacific Regional Node of the Global Partnership on Marine Litter (GPML). The objectives of the Node are to promote networking, to conduct research studies, to improve the database, to explore practical case studies, and to form a Publicity Platform for Public Participation. Four activities related to these objectives were introduced. The first activity is to develop a data system; the second activity is to enhance the capacity of non-profit organizations (NPOs) in the NOWPAP Region, especially Chinese NPOs; the third activity is to deliver a report of “The 3<sup>rd</sup> China Ocean Philanthropy Forum in cooperation with Asia-Pacific Civic Forum on Marine Litter”; and the fourth activity is to research on gaps in legislation and regulations in addressing marine litter.

9. Ms. Joung Yun LEE, MERRAC Consultant, presented the Progress Report from NOWPAP MERRAC. Ms. Joung Yun LEE reported MERRAC’s present progress on marine litter activities for the 2018-2019 biennium and describe the draft report on “Understanding of Floating Marine Litter sources and flows”. She also proposed ideas on the MERRAC activities of RAP MALI in the 2020-2021 biennium.

10. Dr. Nikolai KOZLOVSKII, Junior Researcher of POMRAC, also reported about the progress of NOWPAP POMRAC. He reviewed the activities associated with the MALITA and RAP MALI. He highlighted that it was found that the plastic contamination level in littoral water is almost 20 times higher than that in the coastal water, which shows that the tidal area is a hotspot for plastic contamination.

11. Mr. Yisong Guan, Representative of WWF China Office delivered a presentation on the “*No Plastic in Nature Initiative in China*”. He pointed out that Asia has become the most severe marine plastic pollution region around the globe, with China being the biggest polluter. The WWF No Plastic in Nature Initiative focuses on a systematic approach that aims to battle against the plastic pollution issue in China and achieve the No Plastic in Nature goal in 2030, involving a series of activities such as campaigns, policy suggestions, and research studies.

12. Agenda Item 5: Draft report: Third Regional Overview of Marine Litter in the NOWPAP region and development of recommendations to revise NOWPAP RAP MALI (2008)

13. Dr. Sunwook HONG introduced the draft Third Regional Overview of Marine Litter in the NOWPAP Region chapter by chapter, and made her recommendations on revision of RAP MALI: to include “Impact” in the prevention and monitoring activities; to change “removing existing marine litter and its disposal” into “reduction of quantity and impact of existing marine liter”; to add “implementation of adaptive management”.

14. Ms. Natalie Harms from COBSEA delivered a presentation on the “*Revision of the COBSEA Regional Action Plan on Marine Litter*”. She gave a brief introduction of the background of COBSEA. In 2018, the COBSEA Strategic Directions 2018-2022 was adopted at the 2<sup>nd</sup> extraordinary intergovernmental meeting (EO IGM), which called for revision of the COBSE RAPMALI adopted at the 19<sup>th</sup> IGM in 2008. In 2019, countries adopted the revised RAP MALI at the 24<sup>th</sup> IGM, and the 2019 RAP MALI aims to “facilitate coordination & guide regionally coherent management of marine litter in line with global/regional goals”. This plan consists of four actions, namely Land-based sources, Sea-based sources, Monitoring & assessment, and Enabling conditions.

**Agenda Item 6: Marine Litter activities for NOWPAP Programme of Work 2020-2021**

15. Mr. Ning Liu introduced that draft work plan and budget for marine litter for 2020-2021. After lengthy discussion, China, Korea and Russia agreed the proposal attached as Annex 2. Japan would provide their opinion by 20 October 2019.

**Agenda Item 7: Arrangements for the 2020 NOWPAP RAP MALI FP meeting**

16. Russia agreed to host the 2020 NOWPAP RAP MALI Focal Points meeting together with NOWPAP-TEMM Marine Litter Management Workshop and International Coastal Cleanup Campaign in late September 2020.

**Agenda Item 8: Adoption of the 2019 NOWPAP RAP MALI FPM decisions**

17. NOWPAP RCU prepared and distributed decisions of the meeting. After the discussion, they were adopted as presented in Annex 1.

**Agenda Item 9: Closure of the meeting**

18. The meeting was closed by Dr. Ning Liu at 17:30 on September 26<sup>th</sup>, 2019.

## **Annex 1. Decisions of the 2019 NOWPAP RAP MALI Meeting**

19. The meeting reviewed the progress reports of NOWPAP Regional Coordinating Unit (RCU) and Regional Activity Centers (RACs), and suggested

- RACs to link their work with UNEA resolutions on marine litter,
- DINRAC to revise their progress report to avoid overlapped (repeated) reporting;
- RACs to help translate the Regional Nodes into local languages, if possible;
- DINRAC to share the knowledge related NGO activities with member states;
- CEARAC, MERRAC, and POMRAC to circulate their reports for comments, when they are ready, and finalize the reports by the end of 2019.

20. The meeting discussed the draft Third Overview of Marine Litter in the NOWPAP Region, and requested:

- OSEAN to collect more information from scientific reports, official reports and reports of citizen scientists, and compare and analyze them;
- the Marine Litter Focal Points and RACs to provide their inputs and comments by the end of November 2019. The inputs and comments should include updated data, more resources and references, evaluation of RAP MALI, and future directions of RAP MALI;
- RACs to provide OSEAN with information on what have been done, lessons learnt, what could be future directions to revise RAP MALI by 20 October 2019.
- The Third Overview will be published early 2020.

21. The meeting discussed the work plan and budget for 2020-2021, China, Korea and Russia agreed the proposed work plan and budget in the annex 2. Japan will provide their opinion by 20 October 2019. RCU will circulate Japan's opinion among member states for further consultations. The work plan and budget should be finalized by 10 November 2019.

22. RCU, DINRAC, with the support of OSEAN, will prepare for the data reporting format and circulate among member states for comments and finalize it by the end of March 2020.

23. The next RAP MALI focal points meeting will be held in Vladivostok, Russian in late September 2020.

**Annex 2. Activities**

Activities	Budget (Thousand US\$)		Notes
	2018-2019	2020-2021	
Organize annual NOWPAP-TEMM Marine Litter Management Workshops and International Coastal Cleanup campaigns (RCU supported by RACs)	40	40	
Enhance NW Pacific regional node of the Global Partnership on Marine Litter (GPML) (RCU and DINRAC/other RACs)	20 from GPML in 2018	22	2 for each member state, DINRAC to develop format for data collection and sharing; DINRAC to maintain the node.
Revision of RAP MALI (RCU and RACs)		29	2 meetings back to back with NOWPAP marine litter management workshop should be organized; More international consultants and NGOs should be invited.
Undertake Regional overview of national efforts to address microplastics (CEARAC)	9.25		
Update marine litter information and databases (DINRAC, CEARAC, RCU)	9.25		
Assess floating marine litter sources and flows (MERRAC)	9.25		
Conduct research on microplastics content and migration in the Peter the Great Gulf, Russia (POMRAC)	13.5 (9.25 actually)		
Third Regional Overview of marine litter in the NOWPAP region (RCU supported by RACs)	6 (15 actually)		
<b>Total</b>	<b>91</b>	<b>91</b>	



**Annex 3. Agenda of the Meeting**

<b>Time</b>	<b>Agenda Items</b>
09:00 - 09:15	<p><b>Agenda Item 1: Opening of the meeting: Welcoming remarks</b>            Dr. Ruizhi LIU, State Key Laboratory of Environmental Criteria and Risk Assessment, Chinese Research Academy of Environmental Sciences            Dr. Ning LIU, NOWPAP Regional Coordinating Unit</p>
09:15 - 09:20	<p><b>Agenda Item 2: Organization of the meeting and election of officers</b>            A chairperson and a rapporteur will be elected during the meeting. The roles of chairperson and rapporteur are proposed to rotate among the four member states; the 2019 RAP MALI FP Chair is proposed from China and the rapporteur is to be from the next hosting state: the Russian Federation.</p> <p>The rules of procedure for the meeting will be those of the United Nations Environment Assembly (UNEA) with appropriate adjustments to suit the nature of the meeting. English is the working language of the meeting.</p>
09:20 - 09:30	<p><b>Agenda Item 3: Adoption of the agenda</b></p> <p>NOWPAP RCU will introduce the Annotated Provisional Agenda. The meeting will be invited to review and adopt the agenda.</p>
09:30 – 09:50	<p><b>Agenda Item 4: Progress reports of NOWPAP RCU and Regional Activity Centers</b></p> <p>NOWPAP RCU and RACs representatives will introduce progress made since the last meeting in 2018. Q&amp;A of 5-10 mins (clarification, comments from RAP MALI FPs and other participants) after each presentation.</p> <p><i>Progress report from NOWPAP RCU and Role of NOWPAP mechanism in the reporting and follow up on SDG 14.1.1 (marine litter)</i>            Dr. Ning LIU, Programme Officer, NOWPAP RCU</p>
09:50 – 10:10	<p><i>Progress report from NOWPAP Special Monitoring and Coastal Environmental Assessment Regional Activity Centre (CEARAC)</i>            Dr. Takafumi YOSHIDA, Senior Researcher, CEARAC</p>
10:10 - 10:30	<p><i>Progress and Future Directions of the Northwest Pacific Regional Node of the Global Partnership on Marine Litter (GPML)</i>            Dr. Chen Yinhao, Data and Information Networking Regional Activity Center</p>
10:30 - 10:50	<b>Coffee Break</b>
10:50 - 11:10	<p><i>Progress report from NOWPAP Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC)</i>            Ms. Joungyun LEE, Consultant, MERRAC</p>
11:10 - 11:30	<p><i>Progress report from NOWPAP Pollution Monitoring Regional Activity Centre (POMRAC)</i>            Dr. Nikolai KOZLOVSKII, Junior researcher, Center for Landscape Environmental Studies, POMRAC</p>
11:30 - 12:10	<b>Discussion</b>
12:10 - 12:30	<p><i>Introduction to the “No Plastics in the Nature Initiative”</i>            Mr. Yisong Guan, Representative of WWF China Office</p>

<b>Time</b>	<b>Agenda Items</b>
12:30 - 14:00	<b>Lunch Break</b>
14:00 – 15:00	<p><b>Agenda Item 5: Draft report: Third Regional Overview of Marine Litter in the NOWPAP region and development of recommendations to revise NOWPAP RAP MALI (2008)</b></p> <p>OSEAN will present the Third Overview. Participants will be invited to give comments chapter by chapter. Dr. Sunwook HONG, President, Our Sea of East Asia Network</p>
15:00 - 15:20	<p><i>Revision of COBSEA Regional Action Plan on Marine Litter</i> Ms. Natalie HARMS, Associate Programme Officer, Secretariat of the Coordinating Body on the Seas of East Asia (COBSEA), United Nations Environment Programme Regional Office for Asia and the Pacific</p>
15:20 – 15:40	<b>Coffee Break</b>
15:40 - 16:40	<p><b>Agenda Item 6: Marine Litter activities for NOWPAP Programme of Work 2020-2021</b></p> <p>Participants will discuss the revision of NOWPAP Regional Action Plan on Marine Litter, including approaches, timeline, possible meetings and partners to complete the work. The support to Northwest Regional Node will also be discussed. After discussion, marine litter activities for NOWPAP Programme of Work 2020-2021 will be agreed.</p>
16:40 – 16:50	<b>Agenda Item 7: Arrangements for the 2020 NOWPAP RAP MALI FP Meeting</b>
16:50 - 17:10	<b>Agenda Item 8: Adoption of the 2019 NOWPAP RAP MALI FPM decisions</b>
17:10 - 17:20	<b>Agenda Item 9: Closure of the meeting</b>

**Annex 4. List of Participants****People's Republic of China****Dr. Xiangbin PEI**

Director

Department of Marine Ecological Environment

Ministry of Ecology and Environment

People's Republic of China

Tel: +86 010-66556276

Email: [pei.xiangbin@mep.gov.cn](mailto:pei.xiangbin@mep.gov.cn)

**Dr. Ruizhi LIU**

Marine Litter Focal Point of China

Director of State Environmental Protection Key Laboratory of Estuarine and Coastal Environment

Chinese Research Academy of Environmental Sciences

Ministry of Ecology and Environment

No.8, Dayangfang Beiyuan Road, Chaoyang District, Beijing,

People's Republic of China, 100012

Tel : +86 15901121866

Email: [liuruizhi@craes.org.cn](mailto:liuruizhi@craes.org.cn); [liuruizhi1@163.com](mailto:liuruizhi1@163.com)

**Mr. Dawei SONG**

Section Chief

Dalian Ecology and Environment Bureau

No.1, Huale Road, Zhongshan District, Dalian

People's Republic of China, 116001

Tel: +86-411-82738787

Fax: +86-0411-8273-8181

Email: [838691836@qq.com](mailto:838691836@qq.com)

**Ms. Wei CHEN**

Engineer

Chinese Research Academy of Environmental Sciences (CRAES)

Ministry of Ecology and Environment

No.8, Dayangfang Beiyuan Road, Chaoyang District, Beijing

People's Republic of China, 100012

Tel: +86 17801349226 Email: [dxchenweidx@163.com](mailto:dxchenweidx@163.com)

**Ms. Huitao XU**

Engineer

Chinese Research Academy of Environmental Sciences (CRAES)

Ministry of Ecology and Environment

No.8, Dayangfang Beiyuan Road, Chaoyang District, Beijing

People's Republic of China, 100012

Tel: +86 15600609573 Email: [xu\\_huitao@foxmail.com](mailto:xu_huitao@foxmail.com)

**Japan****Mr. Tatsuya ABE**

Deputy Director  
Ministry of the Environment Japan  
1-2-2, Kasumigaseki, Chiyoda-ku, Tokyo, Japan, 100-8975  
Tel: +81 3-55219025  
Fax: +81 3-35012717  
Email: [tatsuya\\_abe@env.go.jp](mailto:tatsuya_abe@env.go.jp)

**Ms. Ayako KANEKO**

Researcher  
Ministry of the Environment Japan  
1-2-2, Kasumigaseki, Chiyoda-ku, Tokyo, Japan, 100-8975  
Tel: +81 3-55219025  
Fax: +81 3-35012717  
Email: [ayako\\_kaneko@env.go.jp](mailto:ayako_kaneko@env.go.jp)

**Republic of Korea****Mr. SangSoon MYUNG**

Marine Litter Focal Point of Korea  
Deputy Director  
Ministry of Oceans and Fisheries (MOF)  
Government Complex Sejong, 5-Dong, 94, Dasom2-ro, Sejong City,  
Republic of Korea, 30110  
Tel: +82 44-2005301  
Fax: +82 44-2005299 Email: [audtkdtns@korea.kr](mailto:audtkdtns@korea.kr)

**Mr. Ju Young PARK**

International Affairs Specialist  
Korea Marine Environment Management Corporation (KOEM)  
28, 28-Gil Songpa-Dearo, Songpa-Gu, Seoul, Republic of Korea, 05718  
Tel: 82-2-3498-7103  
Fax: +82-2-3462-7707 Email: [perseverance@koem.or.kr](mailto:perseverance@koem.or.kr)

**Russian Federation****Dr. Sergey MONINETS**

Marine Litter Focal Point of Russia  
Dean of the Department of Ecological Safety and Shelf Development  
Maritime State University Named After Admiral G.I. Nevelskoy  
50-a, Verchneportovaya st. Vladivostok, the Russian Federation, 690059  
Tel: +7 (914) 7044062  
Fax: +7 (423) 2515270 Email: [moninets@msun.ru](mailto:moninets@msun.ru)

**Ms. Daria ZADOIA**

Associate Professor

The Department of Oil and Gas Industry Safety

The Maritime State University

50a Verkhneportovaya Street, Vladivostok, the Russian Federation, 690059

Tel: +8 (902) 4800936

Email: [zadoya@msun.ru](mailto:zadoya@msun.ru)**NOWPAP RACs****Dr. Takafumi YOSHIDA**

Senior Researcher

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

5-5 Ushijimashin-machi, Toyama city, Japan, 930-0856

Tel: +81 76-4451571

Fax: +81 76-4451581

Email: [yoshida@npec.or.jp](mailto:yoshida@npec.or.jp)**Ms. Yinghao CHEN**

Project Manager

Data and Information Network Regional Activity Center (DINRAC)

No.5 Houyingfang Hutong, Xicheng District, Beijing, People's Republic of China, 100035

Tel: +86 010-82268262

Email: [chen.yinghao@chinaaseanenv.org](mailto:chen.yinghao@chinaaseanenv.org)**Ms. Joungyun LEE**

Consultant

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

32 Yuseong-daero, 1312 beon-gil, Yuseong-gu, Daejeon, Republic of Korea, 34103

Tel: +82 42-8663690

Fax: +82 42-8663630

Email: [jylee@kriso.re.kr](mailto:jylee@kriso.re.kr)**Mr. Nikolai KOZLOVSKII**

Junior Researcher

Pollution Monitoring Regional Activity Centre (POMRAC)

7, Radio St., Vladivostok, the Russian Federation, 690041

Tel: +8 (423) 2312115

Fax: +8 (423) 2312115 Email: [geo@tig.dvo.ru](mailto:geo@tig.dvo.ru)**Ms. Anna POPOVA**

Lead Engineer

Pollution Monitoring Regional Activity Centre (POMRAC)

7, Radio St., Vladivostok, the Russian Federation, 690041

Tel: +8 (924) 1358395

Fax: +8 (423) 2312159 Email: [anna-41093@mail.ru](mailto:anna-41093@mail.ru)

**Partners****Ms. Natalie HARMS**

Associate Programme Officer, Ecosystem Division  
Coordinating Body on the Seas of East Asia (COBSEA), United Nations Environment Programme  
76 Rajadamnern Nok, 10200 Bangkok, Thailand  
Tel: +66-2288-2440  
Email: [natalie.harms@un.org](mailto:natalie.harms@un.org)

**Dr. Sunwook HONG**

Director  
Our Sea of East Asia Network (OSEAN)  
101-210 DaimSol County, 23-57 Jukrim3ro, Gwangdo, Tongyeong City,  
Republic of Korea  
Tel: +82 55-6495224  
Email: [sunnyhong@osean.net](mailto:sunnyhong@osean.net)

**Mr. Yisong Guan**

Representative  
World Wildlife Fund (WWF) China Office  
Tel: +86 13810291685  
Email: [gyisong@126.com](mailto:gyisong@126.com)

**Observer****Dr. Takashi OHWADA**

Chief Environmental Engineer  
Overseas Projects Department IDEA Consultants, Inc.  
2-2-2 Hayabuchi, Tsuzuki-Ku, Yokohama, Japan, 224-0025  
Tel: +81 45-5937637  
Fax: +81 45-5937636  
Email: [oow21750@ideacon.co.jp](mailto:oow21750@ideacon.co.jp)

**Maowei JU**

Engineer  
National Marine Environment Monitoring Center  
People's Republic of China  
Tel: +86 18940867648  
Email: [mwju@nmemc.org.cn](mailto:mwju@nmemc.org.cn)

**Chao DANG**

Assistant Engineer  
National Marine Environment Monitoring Center  
People's Republic of China  
Tel: +86 18742526865  
Email: [dangchao2019@163.com](mailto:dangchao2019@163.com)

**Ms. Shulan WANG; Mr. Yusuke KITANO;**

**Mr. Takumi YOSHIDA; Mr. Ruize CHEN;**

Intern

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

5-5 Ushijimashin-machi, Toyama city, Japan, 930-0856

Tel: +81-76-445-1571,

Fax: +81-76-445-1581

Email: [wang.shulan@s.nenv.k.u-tokyo.ac.jp](mailto:wang.shulan@s.nenv.k.u-tokyo.ac.jp); [9527492760@edu.k.u-tokyo.ac.jp](mailto:9527492760@edu.k.u-tokyo.ac.jp);

[t-yoshida@ori.u-tokyo.ac.jp](mailto:t-yoshida@ori.u-tokyo.ac.jp); [2971478352@edu.k.u-tokyo.ac.jp](mailto:2971478352@edu.k.u-tokyo.ac.jp)

<b>UNEP NOWPAP RCU</b>
------------------------

**Dr. Ning LIU**

Programme Officer

NOWPAP Regional Coordinating Unit (RCU)

16 Gijanghaean-ro, Gijang-eup, Gijang-gun, Busan, Republic of Korea, 46083

Tel: +82 51-7203003

Fax: +82 51-7203009

E-mail: [ning.liu@un.org](mailto:ning.liu@un.org)

**Ms. Shuyue YAN**

Intern

NOWPAP Regional Coordinating Unit (RCU)

16 Gijanghaean-ro, Gijang-eup, Gijang-gun, Busan 46083, Korea

Tel: +82 51-7203002

Fax: +82 51-7203009

E-mail: [shuyue.yan@un.org](mailto:shuyue.yan@un.org)