

**3RD
YSLME
SCIENCE
CONFERENCE** | **15-19 JULY 2019
QINGDAO, PR CHINA**



Parallel Event 3

Addressing the Challenges of Marine Litter and Microplastics in the YSLME

13:30 - 18:00, July 18, 2019; and 09:00 - 15:30, July 19, 2019

Venue: Function Room 22, City Wing Level 2

Co-organizers:



Ministry of Oceans
and Fisheries

Marine Policy Office, Ministry
of Oceans and Fisheries,
RO Korea



Department of Marine Ecology
and Environment of Ministry
of Ecology and Environment
(TBD)



National Marine
Environmental Monitoring
Center (NMEMC), PR China



Korea Institute of Ocean
Science and Technology
(KIOST), RO Korea



Shandong Marine Resource
and Environment Research
Institute, PR China

Background

Marine litter refers to persistent, man-made or processed solid waste in marine and coastal environments. Some of them stay on the beach while others float on the surface of the sea or sink to the bottom of the sea. The amount of marine litter in the Pacific alone has reached more than 3 million square kilometers. Relevant researches have shown that marine litter has become one of the common water pollution sources through surveys of rivers, bays, islands and offshore waters around the world. Human activities on coasts and recreational activities, marine activities such as shipping and fishing are the main sources of marine litter. According to statistics, plastic and polystyrene products account for 90% of floating marine litter. If no measures are taken, the ocean will not be able to bear the burden, and the environment in which humans and other living things depend will be greatly challenged.

Ecosystem-based management of the YSLME requires joint actions in catalyzing partnerships development and supporting the implementation of policies aimed at reducing marine litter and marine plastics while benefiting communities and sea-based economies in particular tourism in coastal areas. These enabling conditions will provide a conducive platform to engage business, academia, NGOs, youth and other stakeholders to take joint actions within their respective areas of expertise.

The parallel event on marine litter and microplastics will be held in Qingdao of PR China on 18-19 July of 2019 co-organized by YSLME PMO in collaboration with NMEMC and Shandong Marine Resource and Environment Research Institute of PR China and KIOST of RO Korea.

Objectives

- Appreciate the methodologies in monitoring and analyzing marine litter (including microplastics) in the marine environment of the Yellow Sea
- Understand the sources and distribution;
- Identify solutions and good management practices to management challenges
- Engage local governments and the public to take actions and remediation measures
- Synergize actions and programs of regional organization through partnership development and resource sharing

Contact persons

- Ms. Weiwei Zhang, NMEMC/MEE, PR China
Email: wwzhang@nmemc.org.cn
- Dr. Jae-Ryoung OH, National Coordinator, YSLME Phase II Project, RO Korea
Email: Jroh@kiost.ac
- Mr. Jeenho MOK, Administrative Intern, YSLME PMO/UNOPS
Email: jeenhoM@unops.org

Note: *Forum language is English and translation services will not be provided during the session.*

TENTATIVE PROGRAM

**18 July
(Thursday)** Arrival of participants

DAY 4: 18 July (Thursday)

13:30 – 14:00 **Registration for participants**

14:00 – 14:30 **Moderator for Opening Speech and Keynote
Addresses: Ms. Juying WANG, NMEMC, PR China**

Congratulatory Speech

- NMEMC/MEE, PR China
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14:30 – 15:30 **Session 1: Monitoring and analyzing methodology
of marine litter in the marine environment of YS**

**Keynote Speech: From macro- to microplastics:
weathering and fragmentation of plastics**

Mr. Won Joon SHIM, KIOST, RO Korea

**Keynote Speech: Marine litter status and marine
plastics monitoring in PR China**

Ms. Juying WANG, NMEMC/MEE, PR China

Q&A session

15:30 – 15:50 Coffee Break

15:50 – 17:00 **Session 2: The Source and distribution of marine
litter in Yellow Sea**

Session Moderator: **Mr. Jong-Joo YOON, RO Korea**

- **Status quo of marine litter challenge faced by
RO Korea and national marine litter management
programs to address the problem**

Mr. Juyoung PARK, KOEM, RO Korea

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- **Status of marine litter in YSLME: consolidated baseline report supported by UNDP/GEF YSLME Phase II Project**

Mr. Maowei JU, NMEMC/MEE, PR China

- **Status, sources and distribution of marine litter and plastics in Weihai City, Shandong Province of PR China**

Mr. Yuanqing MA, Vice President, Shandong Marine Resource and Environment Research Institute, PR China

Q&A session

17:00 - 17:50

Session 3: Special session on microplastics in YS

Session Moderator: **Mr. Maowei JU**, MEE, PR China

- **Horizontal and vertical distribution of microplastics in coastal and shelf waters from Yellow Sea of Korea**
Ms. Sang Hee HONG, KIOST, RO Korea
- **Distribution of microplastics in the Yellow Sea of PR China**
Ms. Xiaoxia SUN, Chinese Academy Sciences, PR China

Q&A session

17:50 - 18:00

Wrap-up and adjournment of the meeting

DAY 5: 19 July (Friday)

09:00 - 10:00

Session 4: Engaging local governments and the Public for effective solutions/remediation measures for marine litter and micro-plastics

Session Moderator: **Dr. Ning LIU**, Environment Officer, NOWPAP

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- **Status and programs to mitigate marine litter in Taean, Chungnamdo, RO Korea**
Mr. Jong-Joo YOON, ChungNam Institute, RO Korea
 - **Assessment of fishery-based marine litter in coastal areas of Yellow Sea**
Mr. Feng XIAO, Rendu, PR China
 - **Experiences of volunteerism in environmental education and beach clean-up through establishing a network of universities**
Mr. Tengfei CHU, Deputy Secretary General, BlueRibbon Conservation Association, PR China
 - **Journey from monitoring urban waste management pollution to sustainable waste management in rural China**
Ms. Liwen CHEN, Zero Waste Villages, PR China

Q&A session

10:00 – 10:20 Coffee Break

10:20 – 11:30 **Session 5: Synergizing actions of responses to marine litter and microplastics through cooperation at regional level**

Session Moderator: **Mr. Zhengguang ZHU**, Environment Officer, YSLME PMO

- **NOWPAP Regional Action Plan on Marine Litter: progress of implementation and lessons learnt**
Mr. Ning LIU, Environment Officer, NOWPAP
 - **Legal issues on marine litter problem in Indonesia and ASEAN countries**
Mr. Maruf, PhD Fellow Xiamen University, from Indonesia
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- **Building a sustainable platform for innovation and learning across cities in YSLME through establishing a city alliance**

Mr. Zhengguang ZHU, YSLME PMO, UNOPS

Q&A session

11:30 - 12:00

Wrap-up and closing remarks
