

3RD YSLME SCIENCE CONFERENCE

15-19 JULY 2019
QINGDAO, PR CHINA



Parallel Event 2

YSLME Biodiversity Forum – Charting the Biodiversity Conservation in the YSLME up to 2030

14:00 – 18:00, July 15; 09:00 – 18:00, July 16-17, 2019

Venue: Function Room 24, City Wing Level 2

Co-organizers:



안양대학교

Anyang University,
RO Korea



First Institute of Oceanography
(FIO)/Ministry of Natural
Resources (MNR), PR China



Korea Marine Environment
Management Corporation
(KOEM), RO Korea



International Union for
Conservation of Nature and
Natural Resources (IUCN)



East Asian Australasian
Flyway Partnership
(EAAFP)

Sponsors:

Department of Protected Areas
of the National Forestry and
Grassland Administration
(NFGA), PR China

Marine Policy Office of
Ministry of Oceans and
Fisheries (MOF) of RO Korea

Fisheries Management
Bureau of the Ministry of
Agriculture and Rural Affairs,
PR China

United Nations
Development
Programme (UNDP)

Background

The biodiversity in particular the intertidal mudflats in the Yellow Sea (YS) including the marine ecosystems services is unparalleled in the world but has already been changing due to the continued urban and coastal developments. Increasing demand for water, the damming of rivers, the dumping and accumulation of various pollutants, and invasive species

continue to threaten the coastal and marine ecosystems. Coastal reclamation and other forms of land conversion have changed coastal habitat. These drivers have resulted in loss of biodiversity and ecosystem services which in return are affecting the well-being and livelihoods of people in the YS.

To effectively respond to the changing circumstances and chart the future of biodiversity in YS, UNDP/GEF YSLME Phase II Project is supporting the countries bordering the Yellow Sea to develop and implement a regional biodiversity conservation plan up until 2030. The parallel event of **Charting the Biodiversity Conservation in the YSLME up to 2030** at the 3rd YSLME Science Conference is meant to support the development and adoption of YSLME Biodiversity Conservation Plan covering 2020-2030 to contribute to the implementation of SDGs.

Objectives

- To understand status of biodiversity in YS following the 2007 TDA
- To capture accomplishment of best practice and knowledge in enhancing resilience of biodiversity and ecosystem of the YS by strengthening the coverage and connectivity of MPAs
- To reach consensus on measures to be taken to reduce the loss of coastal and marine habitats and species of critical global and regional significance in support of achieving SDG 14 and implementing CBD, RAMSAR and other relevant Conventions.

Expected Outcomes

- Strengthened partnership in biodiversity conservation and sustainable use in YS among governments, academia and NGOs
- Improved awareness among the public of the threats and status of biodiversity of YSLME
- Consensus on the way forward and concerted actions and targets of the draft YSLME Biodiversity Conservation Plan (2020-2030)
- Better understanding of the connectivity patterns of the YSLME MPA Network

Contact persons

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

TENTATIVE PROGRAM

14 July

Arrival and registration for participants

DAY 1: 15 July (Monday)

13:30-13:50

Opening address

- **Mr. Hui YU**, Director, Division of Marine Protected Areas, Department of Protected Areas, NFGA
- Marine Environment Policy Office, Ministry of Oceans and Fisheries (MOF), RO Korea

Moderator:

Dr. Zhaohui ZHANG, Professor, FIO/MNR, PR China

13:50 - 15:30

Session 1: Global, regional and national priorities in application of ecosystem-based management of the YSLME

Session Moderator:

Dr. Dirk LAMBERTS, Environment Specialist, UNOPS

Rapporteur: **Dr. Fangyuan QU**, FIO/MNR, PR China

- **Marine biodiversity conservation in PR China up to 2020: achievements and new agenda**
Dr. Linlin ZHAO, FIO/MNR, PR China
 - **Marine ecosystem conservation of RO Korea in 2019-2028: strategy and priority**
Dr. Jongseong RYU, Anyang University, RO Korea
 - **Globally significant biodiversity in north coast of Yellow Sea in DPR Korea**
Mr. David Melville, Global Flyway Network
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- **Marine mammals and fish species conservation in the Yellow Sea**

Dr. Jilong LI, CAFS, MARA, PR China

Panel discussion: National priorities, achievements and future agenda

15:30 – 16:00

Coffee break

16:00 – 18:00

Session Moderator:

Dr. Xiubo YU, IGSNRR/CAS, PR China

- **Post-2020 Biodiversity framework - reflections of ongoing discussions**

Dr. Dirk Lamberts, Environment Specialist, UNDP/GEF YSLME Phase II Project

- **Activities on marine biodiversity conservation in the NOWPAP region**

Dr. Takafumi YOSHIDA, CEARAC/NOWPAP

- **Implementation of the IUCN World Conservation Congress resolutions in relation to Yellow Sea - status, progress and way forward**

Mr. Raphaël Glémet, IUCN Asia Regional Office

- **Initiatives of the East Asian-Australasian Flyway Sites Network in the Yellow Sea**

Dr. Cai LU, Adviser of Science Unit, EAAFP

Panel discussion: Regional reflections to post-2020 biodiversity agenda for the YSLME

18:00

Dinner reception

DAY 2: 16 July (Tuesday)

09:00 – 10:30

Session 2: Framework of biodiversity conservation planning in YSLME up to 2030

Session Moderator:

Dr. Bong-Oh KWON, Seoul National University, RO Korea

Rapporteur: **Mr. Young Nam KIM**, KOEM, RO Korea

- **Proposal of YSLME biodiversity conservation plan in PR China**
Prof. Zhaohui ZHANG, FIO/MNR, PR China
- **Proposal of YSLME biodiversity conservation plan in RO Korea**
Dr. Won-Tae SHIN, CEO, Global Ocean Inc.

Open discussion: Framework, priorities in geographical areas, species, ecosystems, and instruments, tools and mechanisms

10:30 – 11:00

Coffee break

11:00 – 12:00

Session 3: Strengthening the YSLME MPA Network

Session Moderator:

Dr. Zhaohui ZHANG, FIO/MNR, PR China

Rapporteur: **Dr. Linlin ZHAO**, FIO/MNR, PR China

- **Gap analysis in MPA in PR China**
Dr. Zhaohui ZHANG, FIO/MNR, PR China
- **MPA and marine ecosystem conservation and management in RO Korea**
Dr. Young Nam KIM, KOEM, RO Korea

Panel Discussion: Priority species of concern, management-oriented network of MPAs, and ways and approaches towards maximized joint management actions and application of new technologies to understand migration pattern of marine mammals.

12:00 – 13:30

Lunch

13:30 – 15:30

Panel discussion on designation of MPAs for priority species and habitats

- **Coastal wetland changes and priority areas for waterbird habitat conservation in the Yellow Sea Ecoregion in PR China**
Dr. Xiubo YU, IGSNRR/CAS, PR China
- **Migratory bird species in YS**
Mr. Yong LU, Senior Technical Officer, International Wetlands
- **Spotted Seal and Finless porpoise conservation plan in PR China**
Dr. Jiabo HAN, The institution of Marine Academy and Fishery Sciences of Liaoning Province, PR China

15:30 – 16:00

Coffee break

16:00 – 18:00

Session 4: Coastal and marine ecosystem restoration technologies and evaluation

Session Moderator:

Dr. Zongling WANG, PR China

Rapporteur: **Dr. Aslan Hwanhwi LEE**, RO Korea

- **Improving the effectiveness and impacts of coastal restoration projects**
Dr. Chaolun LI, IOCAS, PR China
 - **Coastal reclamation and restoration in RO Korea**
Dr. Bong-Oh KWON, Seoul National University, RO Korea
 - **Effective and simple statistical approaches for the interpretation and identification of ecosystem management targets from large volume data sets**
Dr. Gyung Soo PARK, Anyang University, RO Korea
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- **The potential of Korean vegetated coastal ecosystems for greenhouse gas abatement through blue carbon management**

Dr. Heung-Sik PARK, KIOST, RO KOREA

Panel Discussion: Lessons learnt and good practices replication

DAY 3: 17 July (Wednesday)

09:00 – 10:30

Session 5: Mainstreaming coastal wetland and marine biodiversity into spatial planning

Session Moderator:

Dr. Gyung Soo PARK, Anyang University, RO Korea

Rapporteur: **Dr. Shihao LIU**, Postdoctor Researcher, FIO, PR China

- **MSP application in China and future directions for biodiversity conservation**

Dr. Zhiwei ZHANG, FIO/SOA, PR China

- **Development of marine spatial planning (MSP) in RO Korea**

Dr. Hee-Jung CHOI, KMI, RO Korea

- **Emergy value maps as a decision support tool for marine spatial planning in Korea**

Dr. Daeseok KANG, Pukyong National University, RO Korea

- **The future of Marine Spatial Planning in Thailand: A case study in Koh Lan, Pattaya**

Dr. Sakanan PLATHONG, Prince of Songkla University, Thailand

- **Coastal wetland ecosystem services in RO Korea**

Dr. Aslan Hwanhwi LEE, Seoul National University, RO Korea

Panel Discussion: Application of MSP in YSLME scale, especially on biodiversity conservation

10:30 - 11:00

Coffee break

11:00 - 12:00

Session 6: Building enabling constituency for coastal and marine biodiversity

Session Moderator:

Dr. Dohoon KIM, Pukyung National University,
RO Korea

Rapporteur: **Mr. Raphaël Glémet**, IUCN Asia Regional
Office

- **Building a network of MPA education centers to increase awareness of threats, values, impact of loss and YSLME biodiversity**
Ms. Ji Young JANG, Eco-Horizon Institute, RO Korea
- **Engaging public and community participation through awareness raising education in protecting critically endangered Spoon-billed Sandpiper in Jiangsu Province, PR China**
Ms. Ziyu YANG, Spoonbilled sandpiper in China
- **Increasing economic impacts of the Yellow Sea fisheries through marine biodiversity conservation**
Dr. Dohoon KIM, Pukyung National University, RO Korea
- **Priorities for the blue economy in China**
Dr. Xiaohui WANG, National Marine Information Center, PR China

Panel Discussion: Awareness raising for biodiversity conservation in both countries

12:00 - 13:30

Lunch

13:30 – 15:30

The Way Forward - Break-out group discussion

Session Moderator:

Dr. Zhaohui ZHANG, FIO, PR China

Based on the discussion and results of the 6 sessions, the forum will break into groups to discuss the objectives, targets and priority actions of a YSLME Biodiversity Conservation Plan up to 2030. Resource persons will summarize the results of discussions in the 6 Sessions to help roll out the group discussion. Each group will report the objectives, targets and actions for review at the plenary. Consultants will improve the framework of the plan based on the insights from the forum and this session.

15:30 – 16:00

Coffee break

16:00 – 17:30

Group report and Wrap-up
