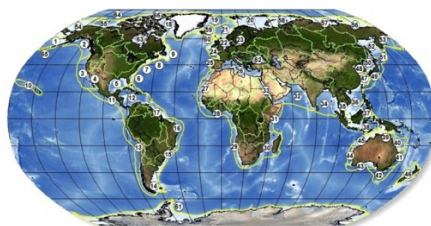


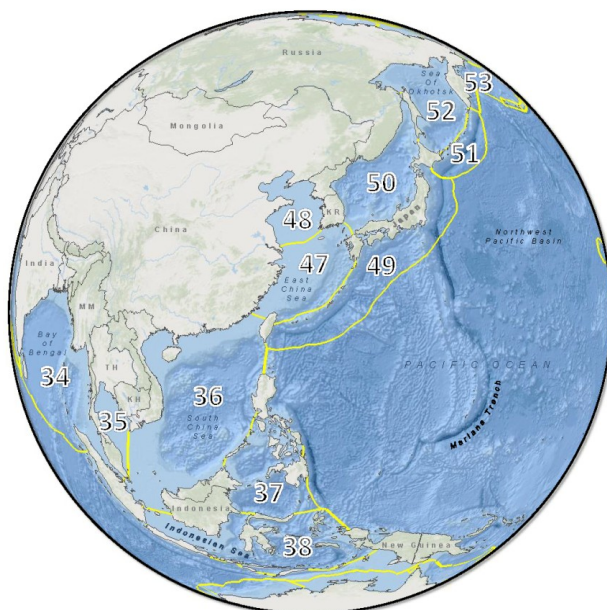
Symposium Program

ASIAN LARGE MARINE ECOSYSTEMS

Towards a Regional Assessment of Asian LMEs



Large Marine Ecosystems of Asia



- | | | |
|-----------------------|-----------------------|------------------------------|
| #34: Bay of Bengal | #38: Indonesian Sea | #50: Sea of Japan / East Sea |
| #35: Gulf of Thailand | #47: East China Sea | #51: Oyashio Current |
| #36: South China Sea | #48: Yellow Sea | #52: Sea of Okhotsk |
| #37: Sulu-Celebes Sea | #49: Kuroshio Current | #53: West Bering Sea |

April 25th – 26th, 2017

**Centre for Coastal and Marine Resources Studies
Bogor Agricultural University
Bogor, Indonesia**



Asian Large Marine Ecosystems

Towards a Regional Assessment of 12 LMEs

IPB International Convention Centre (IICC) Bogor, April 25th and 26th, 2017

Bogor, Indonesia

Introduction

A considerable body of data, knowledge and expertise on marine resources in Asia remains isolated in specific disciplinary silos and economic sectors. Many multidisciplinary and multisectoral studies and assessments are underway in the 12 Large Marine Ecosystems (LMEs) of Asia. The marine science community of Asia would benefit from improved frequency of exchanges of information on changing conditions of the five module natural and social sciences framework approach to ecosystem based management (EBM) supported by the time-series assessments of LME (i) productivity, (ii) fish & fisheries, (iii) pollution and ecosystem health, (iv) socioeconomics and (v) governance. It is within this ecosystem-wide, broad framework approach of assessments by natural scientists and social scientists that progress is being made towards the United Nations Sustainable Development Goal 14 for the oceans.

Successful achievement of SDG 14 ocean objectives requires scaling up and replication of proven strategic approaches that can deliver on SDG targets. Since 1995, the Global Environment Facility (GEF) has catalyzed \$3.15 billion in support of GEF financed LME assessment and management projects among 110 economically developing nations around the globe. The Asian LME Symposium provides an opportunity for bringing together marine scientists, policy experts, resource managers, students, government representatives and the general public to present, compare and discuss results from LME assessment and management studies underway in the 12 LMEs of Asia.

The LME approach to the assessment and management of coastal ocean goods and services is supported by a baseline of information within the spatial domains of LMEs. The modular suites of indicators of changing environmental and social conditions allow for cause and effect comparisons among LMEs of overfishing, pollution, nutrient overenrichment, habitat degradation, biodiversity loss, acidification and climate change with regard to mitigation and adaptive actions for sustainable development of LME goods and services.

The Asian LME Symposium provides an opportunity to advance state-of-the-art knowledge for the best assessment and management practices for sustaining LME goods and services under the conditions of climate change. As an output of the Symposium, selected presenters will be invited to extend their presentations into 10 to 15 page manuscripts for peer review and publication in an Asian LME theme issue of the Elsevier Science journal Environmental Development in collaboration with the Scientific Committee on Problems of the Environment (SCOPE).

The Indonesian hosting institution, the Centre for Coastal and Marine Resources Studies, Bogor Agricultural University, Indonesia, and other sponsoring institutions express sincere appreciation to the distinguished group of Symposium contributors for their leadership and commitment to sustainable use of marine resources.

Goal

The goal of the symposium is to share best practices among Asian LME project practitioners engaged in implementing ecosystem based assessment and management for LMEs in the Asian region. Specific constraints and problems as well as potential development approaches will be shared and discussed within the context of lessons learned.

Objectives

1. To share and discuss methods and techniques that have been applied to LME assessment and management.
2. To share problems and solutions encountered in planning and implementing GEF financed LME projects.
3. To select case studies for a SCOPE sponsored Asian LME theme issue to be published in Elsevier Science's journal Environmental Development.

Scope

The Asian LME Symposium will be focused on case study results from ecosystem based assessment and management activities relating to: (i) productivity, (ii) fish and fisheries, (iii) pollution and ecosystem health, (iv) socioeconomics and (v) governance of the 12 LMEs in Asia : Bay of Bengal, Gulf of Thailand, South China Sea, Sulu-Celebes Sea, Indonesian Sea, East China Sea, Yellow Sea, Kuroshio Current, Sea of Japan/East Sea, Oyashio Current, Sea of Okhotsk and West Bering Sea.

Target participants

In total, around 30 participants will be targeted to participate in this Asian LME symposium. The invited participants are involved in managing or otherwise participating in LME projects in countries bordering Asian LMEs. In addition, invited participants will include internationally recognized leaders in LME assessment and management.

Topics of Discussion/Presentation

1. **Productivity and Climate Change**
2. **Fish and Fisheries**
3. **Pollution and Ecosystem Health**
4. **Socioeconomics and Governance**
5. **Other special topics**

Ouput

In collaboration with the Scientific Committee on Problems of the Environment (SCOPE), presenters will be invited to expand their presentations in 10 to 15 page manuscripts and shorter Communication contributions for peer review and publication in the Elsevier Science journal Environmental Development.

Venue and date

The venue of the symposium is at IPB International Convention Centre (IICC), Bogor 25th -- 26th of April 2017. IICC building is located in the Botani Square Mall in the complex area of IPB Campus of Baranangsiang, Bogor.

Organizing Committee

- Main Host : CCMRS IPB
- Co Host and Sponsors :
 - IOC--UNESCO
 - IW:LEARN
 - Kemenko Kemaritiman Republik Indonesia
 - Ikatan Sarjana Perikanan Indonesia (ISPIKANI)
 - WWF Indonesia
 - SCOPE

Day 1, 25th April 2017

08.00 – 08.30	Registration
08.30 – 09.30	Opening Ceremony
08.30 – 08.40	Welcome and opening speech by Director of CCMRS IPB, Dr. Ario Damar
08.40 – 08.50	Welcome and opening speech by Director General of Capture Fisheries MOMAF, Prof. Dr. Syarif Wijaya
08.50 – 09.00	Welcome and opening speech by the Deputy of National Development and Planning Board (Bappenas), Dr. Gellwynn Yusuf
09.00 – 09.10	Welcome and opening speech by Deputy Ministry of Coordinating Ministry of Maritime, Dr. Safri Burhanuddin
09.10 – 09.20	Welcome and opening speech by IPB Rector, Prof. Dr. Ir. Herry Suhardianto
09.20 – 09.30	Photo session
09.30 – 09.45	Coffee Break
09.45 – 12.00	Session I
09.45 – 10.05	Keynote: Professor Kenneth Sherman, The Large Marine Ecosystems Approach to the Assessment and Management of

Coastal Ocean Goods and Services in Asia

10.05 – 10.25	Dr. Ivica Trumbic, Intergovernmental Oceanographic Commission (IOC-UNESCO) Support for Assessment and Management of Asian Large Marine Ecosystems
10.25 – 10.45	Professor Jon Samseth, SCOPE Perspective on Asian LMEs
10.45 – 11.05	Professor Yonglong Lu, Pacific Science Association Perspective on Asian LMEs
11.05 - 11.25	WWF Indonesia Representative, Marine Ecosystem and Conservation Management in Indonesia Seas
11.25 – 12.00	Session I Discussion
12.00 -13.00	Lunch
13.00 – 15.10	Session II
13.00-13.20	Professor Qisheng Tang, Productivity and Carrying Capacity of the Yellow Sea Large Marine Ecosystem
13.20-13.40	Prof. Tridoyo Kusumastanto (CCMRS-IPB), Economic Resources Valuation for Managing Large Marine Ecosystem in Indonesian Seas
13.40-14.00	Mr. Adrian Ross, Intergovernmental Collaboration in the Move Towards Ecosystem Based Governance of East Asian Seas (PEMSEA)
14.00-14.20	Dr. Elayaperumal Vivekanandan, An Ecosystem-Based Approach to the Assessment and Governance of the Bay of Bengal Large Marine Ecosystem
14.20-14.40	Dr. Luky Adrianto, Fish and Fisheries of the Indonesian Sea Large Marine Ecosystem
14.40-15.10	Session II Discussion
15.10-16.00	Coffee Break
16.00 – 17.30	Sesion III
16.00 – 16.20	Dr. Rudolph Hermes, Productivity, Climatology, and Biomass Yields of the Bay of Bengal Large Marine Ecosystem
16.20 – 16.40	Dr. Anatolii Kachur, Comparative Effects of Pollution Stress on Large Marine Ecosystems of the West Bering Sea and Okhotsk Large Marine Ecosystems
16.40 – 17.00	Dr. Jae Oh, Microplastics and other Pollutant Stressors on Asian Large Marine Ecosystems
17.00 – 17.30	Session III Discussion

Day 2, 26th April 2017

08.00 – 08.30	Registration	
08.30 – 09.50	Session IV	
	08.30 – 08.50	Professor Qisheng Tang, Productivity and Biomass Yields of the East China Sea Large Marine Ecosystem
	08.50 – 09.10	Prof. Rashid Sumaila, Comparative Valuation of Asian LME
	09.10 – 09.30	Mr. Nico Willemse, Reconstructed Fisheries Catches for Asian Large Marine Ecosystems
	09.30 – 09.50	Dr. Tonny Wagey, Productivity and sustainable development of the Timor and Arafura Subarea of the Indonesian Sea Large Marine Ecosystem
	09.50 – 10.20	Session IV Discussion
10.20-10.30	Coffee Break	
10.30-12.00	Session V	
	10.30-10.50	Dr. Hashali Hamukuaya, The World's First LME Governance Institution: The Benguela Commission and Convention
	10.50-11.10	Land Based Nutrient Loadings into Asian LMEs (TBD)
	11.10-11.30	Dr. Neville Sweijd, Training and Capacity Building for Asian Large Marine Ecosystems
	11.30-12.00	Session V Discussion
12.00-13.00	Lunch	
13.00-15.10	Session V (Continued)	
	13.00-13.20	Dr. Jose Padilla, United Nations Development Programme (UNDP) Perspective on Asian Large Marine Ecosystems
	13.20-13.40	(FAO Jakarta Office) FAO Support of Asian LME Sustainability and Development
	13.40-14.00	Dr. Zhang Zhaohui, Intergovernmental Collaboration in the Move Towards Ecosystem Based Governance of the Yellow Sea Large Marine Ecosystem
	14.00-14.20	Overall Discussion on the Wider LMEs and Conclusion of Symposium
	14.20-14.40	The way forward, Prof. Kenneth Sherman
	14.40-15.00	Closing Remarks, Dr. Ario Damar



For more information contact:

Dr. Ario Damar at adamar@pksplipb.or.id

Dr. Tonny Wagey at twagey@gmail.com or

Dr. Kenneth Sherman at Kenneth.Sherman@noaa.gov