

TRACK 1: CLIMATE AND BLUE CARBON

SESSION 1:

Establishing Blue Carbon Research Network in East Asian Seas Region

CONVENERS:



Korea Marine Environment
Management Corporation



Partnerships in Environmental
Management for the Seas of
East Asia

SPONSOR:



Ministry of Oceans
and Fisheries

Ministry of Oceans and
Fisheries, RO Korea

Blue Carbon is gaining currency in recent years as one of the solutions for mitigating climate change. The carbon storing potential of blue carbon should be assessed in a scientifically sound way in order to receive the recognition from the UNFCCC process. In order to achieve the goal, a network of researchers should be formed to collate concerted efforts in demonstrating the potential. The research efforts of blue carbon will significantly enhance the awareness and conservation efforts of global community on key marine ecosystems such as tidal marshes, seagrass meadows, and mangrove forests.

Blue carbon can play a significant role in the implementation of the Nationally Determined Contributions (NDC) in the UNFCCC process. Therefore, national policy and research efforts should be enhanced in advancing the blue carbon concepts in EAS region.

Expected Output/s:

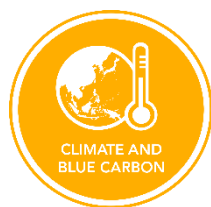
- Forging a research network on Blue Carbon in EAS region

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:45	Opening <ul style="list-style-type: none"> - Welcome remarks, Mr. Stephen Adrian Ross, Former Executive Director, PEMSEA - Opening remarks, Dr. Park Seunggee, CEO, KOEM
13:45-14:00	Blue Carbon in the context of blue economy in the EAS region <ul style="list-style-type: none"> - Ms. Maricor Ebarvia-Bautista, PEMSEA
14:00-14:15	Current research efforts on blue carbon in RO Korea <ul style="list-style-type: none"> - Mr. Kim Young don, KOEM, RO Korea
14:15-14:30	Blue Carbon Policy and Strategy Development in China <ul style="list-style-type: none"> - Dr. Zhao Peng, Fourth Institute of Oceanography, PR China

14:30-14:50	Coffee Break
14:50-15:05	Potential of coastal blue carbon in Indonesia: Mangrove - Dr. Andreas Hutahaean , Deputy Director, Coordinating Ministry for Maritime Affairs, Indonesia
15:05-15:20	Potential of blue carbon in the Philippines - Prof. Laura David , Marine Science Institute, University of the Philippines
15:20-15:35	Influencing mechanisms of eutrophication on sediment organic carbon sequestration within a typical tropical seagrass meadows - Dr. Songlin Liu , Chinese Academy of Sciences, PR China
15:35-15:50	Potential of blue carbon: Tidal Flat - Dr. Kwon Bongoh , Seoul National University, RO Korea
15:50-16:10	Coffee Break
16:10-17:00	Panel Discussion Topics: - Recognition of carbon sequestration potential of blue carbon in the UNFCCC mechanism - Establishing a Blue Carbon Network in EAS region Moderator: - Dr. Won-Tae Shin , PEMSEA Panelist: - Dr. Zhao Peng , Fourth Institute of Oceanography, PR China - Prof. Laura David , University of the Philippines, Philippines - Dr. Andreas Hutahaean , Coordinating Ministry for Maritime, Indonesia - Dr. Park Heungsik , KIOST, RO Korea
17:00-17:40	Open Forum
17:40-17:45	Wrap-up - Dr. Lee Sukhui , KOEM Closing Remarks - Dr. Park Seunggee , CEO, KOEM



TRACK 1: CLIMATE AND BLUE CARBON

SESSION 2:

Turning Blue: The Role of Cities in Forwarding Blue Carbon Solutions towards Climate Change Mitigation and Adaptation

CONVENERS:



ICLEI-Local Governments
for Sustainability



Department of Environment
and Natural Resources,
Philippines

Cities play a crucial role in advancing local climate action that ultimately contributes to the achievement of SDGs. This session features the innovative and transformative approaches that local governments are implementing to ensure proper marine resource management, protection and rehabilitation of coasts and marine ecosystems, and integration of these initiatives to climate change mitigation and adaptation. The session aims to demonstrate the link between robust and context-based solutions and a city's improved capacity to mitigate and adapt to the effects of climate change. The session will gather leaders and local champions of marine conservation and provide a platform for city-to-city knowledge exchange and serve as an initial step towards collaboration, replication, and scaling up blue carbon solutions.

Expected Output/s:

- Participants will have enhanced knowledge on various innovative marine resources management initiatives mainstreaming climate change mitigation and adaptation at the local level, including but not limited to innovative and transformative solutions toward marine rehabilitation and protection.
- Provide suggestions and relevant measures to address relevant and cross-cutting issues that local governments and key stakeholders face in relation to marine resource management and marine rehabilitation and protection at the local level.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00-10:10	Welcome Remarks <ul style="list-style-type: none"> - Usec. Sherwin Rigor, Undersecretary for Attached Agencies and Supervising Undersecretary for Manila Bay Coordinating Office, DENR, Philippines
10:10-10:20	Introduction and Session Background <ul style="list-style-type: none"> - Mr. Victorino Aquitania, Regional Director, ICLEI-Local Governments for Sustainability, Southeast Asia Secretariat
10:20-11:20	Tubigon Mangrove Swamp Forest Reserve <ul style="list-style-type: none"> - Engr. Noel Mendaña, Municipal Planning and Development Office, Municipality of Tubigon, Province of Bohol, Philippines

	Mangrove Rehabilitation Project and Climate Field School in Dumangas, Iloilo - Hon. Ronaldo Golez , Mayor, Dumangas, Province of Iloilo, Philippines
	Bantay Puerto Program (Puerto Princesa Watch) - Ms. Zorina Arellano , City Environment and Natural Resources Office, Puerto Princesa City, Palawan
	Enhancing the Carbon Sequestration Potential of Oriental Mindoro MPA Network - Ms. Rhodora Emilia Ramiento , Fisheries and CRM Division, Provincial Agriculture Office, Province of Oriental Mindoro, Philippines
	Coastal Cities at Risk: Investing in Climate and Disaster Resilience - Dr. Emma Porio , Professor, Department of Sociology and Anthropology, Ateneo de Manila University and Project Leader, CCAR: Investing in Climate and Disaster Resilience - Dr. Noralene Uy , Project Manager, CCAR: Investing in Climate and Disaster Resilience
11:20-11:50	Moderated Panel Discussions - Mr. Victorino Aquitania , Regional Director, ICLEI SEAS - Usec. Sherwin Rigor , Undersecretary for Attached Agencies and Supervising Undersecretary for Manila Bay Coordinating Office, DENR, Philippines
11:50-12:00	Session Wrap Up



to do it

TRACK 1: CLIMATE AND BLUE CARBON

SESSION 3:

Climate Change Mitigation? Blue Carbon is Nature's Way

CONVENER:



The CTI Blue Carbon Project

The Blue Carbon Session aims to introduce and inspire participants to better understand Blue Carbon as an ecosystem service and nature's way of mitigating climate change impacts on coasts – and how to respond. Bringing together experts and practitioners, the session is a great opportunity to share information, highlight gaps in knowledge and management, build partnerships and shape the future of Blue Carbon in the East Asian Seas.

The session focuses on four topics, each one introduced by key questions:

1. How do we characterize the flux of Blue Carbon in the coastal waters of East Asia?
2. How do we manage the key factors that influence the Blue Carbon stock in the region?
3. How do we link Blue Carbon with coastal ecosystem conservation?
4. Is it cost effective to invest in Blue Carbon conservation as a means to reduce climate change impacts?

Expected Output/s:

- Enhancement of support to the major goals of the Blue Carbon Project by way of the broader perspectives from a wider regional audience;
- Elucidation of the needed international and regional inputs to the Philippine National Blue Carbon Roadmap which is under development;
- More focused collaboration with existing partners and enhanced opportunities for partnerships with more institutions in the region; and
- Initiation of the development of a 'science-policy-practice' based Blue Carbon Strategy for the Philippines and CTI countries.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:00-13:30	Registration & Ingress of Exhibits, Posters
13:30-14:40	Opening Presentations
13:30-13:40	Welcome and Introduction of the Blue Carbon Session

	- Dr. Miguel D. Fortes , Session Chair
13:40-14:00	The <i>BlueCARES</i> Project & the EAS Initiative - Professor Kazuo Nadaoka , Chief Technical Adviser, The Blue Carbon Project & Professor Tokyo Tech, Japan
14:00-14:20	The <i>IAMBlueCECAM</i> Program & Philippine Coastal Sustainability - Dr. Ariel C. Blanco , Program Leader, The <i>IAMBlueCECAM</i> Program & Assoc. Professor, University of the Philippines
14:20-14:40	The 'Blue Carbon Triangle': A New Concept in Regional Climate Change Mitigation and Adaptation - Dr. Miguel D. Fortes , Blue Carbon Specialist & Professor (ret), University of the Philippines
14:40-16:25	Panel presentations & discussions: Towards a Blue Carbon Strategy
14:40-14:50	Introductory Presentation - Dr. Ariel C. Blanco
14:50-15:10	KQ1: How do we characterize the flux of blue carbon in Philippine coastal waters? - Panelist: Dr. Marilou SD McGlone
15:10-15:30	KQ2: How do we manage the key factors that influence the blue carbon stock in the East Asian Seas? - Panelist: Professor Kazuo Nadaoka
15:30-15:45	Break
15:45-16:05	KQ3: How do we link blue carbon with coastal ecosystem conservation? - Panelists: Ms. Gia Albano, Dr. Rene N. Rollon and Dr. Miguel D. Fortes
16:05-16:25	KQ4: How 'valuable' are blue carbon ecosystems and local community knowledge? - Panelists: Mr. Joji Shiraishi and Engr. Raquel Francisco
16:25-17:15	Open Forum: Towards a Blue Carbon Strategy for the East Asian Seas - Moderator: Dr. Miguel D. Fortes
17:15-17:25	Recap & Closing - Professor Kazuo Nadaoka



TRACK 2: MARINE POLLUTION AND CLEAN WATER

SESSION 1:

Partnership Approaches Towards Delivering Global Good Practices

CONVENERS:



International Petroleum
Industry Environmental
Conservation Association



Oil Spill Response Limited



International Tanker Owners
Pollution Federation Limited



GLOBAL INITIATIVE
FOR SOUTHEAST ASIA
IMO-IPIECA Global Initiative
for Southeast Asia

An introduction to the role of IPIECA in convening industry and stakeholders to work together on issues across the environmental spectrum, including oil spill preparedness and response, biodiversity and ecosystem services and water management. Focusing more specifically on oil spills, we consider the impact of the Macondo incident (Gulf of Mexico, 2010) and industry's efforts to learn the lessons through a series of Joint Industry Projects which will be overviewed. Just as importantly we focus attention on efforts to disseminate the lessons learned to the wider response community through a series of communication and engagement programmes. We look at how these global programmes are being applied in a regional context in South East Asia and discuss opportunities to expand the reach and effectiveness of these programs.

Expected Output/s:

- Recommendations on how global programmes and good practices in oil spill preparedness and response can be expanded and effectively implemented regionally and how partnership between government and industry can be further strengthened.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00 – 10:10	Introduction from the co-chairs “Issues, Concerns and Recent Developments in Oil Spill Preparedness and Response “ <ul style="list-style-type: none"> - Andy Nicoll, Oil Spill Group Manager, International Petroleum Industry Environmental Conservation Association (IPIECA) - Darren Waterman, Regional Director, Oil Spill Response Limited (OSRL)
10:10– 10:25	IPIECA. The Impact of the Macondo Incident. Partnership Programmes on Managing Marine Pollution <ul style="list-style-type: none"> - Andy Nicoll, Oil Spill Group Manager, International Petroleum Industry Environmental Conservation Association (IPIECA)
10:25-10:40	IMO-IPIECA Global Initiative for Southeast Asia <ul style="list-style-type: none"> - Amanda Chee, Project Manager, IMO-IPIECA Global Initiative for South East Asia (GI-SE Asia)
10:40-10:55	The Gulf of Thailand Cooperation: A Sub-Regional Arrangement on Oil Spill Preparedness and Response <ul style="list-style-type: none"> - Soontharee Pirom, Thailand Marine Department

	<ul style="list-style-type: none"> - Diana Factuar, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)
10:55 -11:10	Emerging Best Practices in Oil Spill Response <ul style="list-style-type: none"> - Ignatius Harta, Regional Outreach Manager, Oil Spill Response Limited (OSRL)
11:10 – 11:25	Post Spill Environmental Monitoring: Case Studies and Lessons Learned <ul style="list-style-type: none"> - Julke Brandt, Technical Adviser, International Tanker Owners Pollution Federation Limited (ITOPF)
11:25 -11:45	Moderated Discussion
11:45 -12:00	Conclusion <ul style="list-style-type: none"> - Andy Nicoll, International Petroleum Industry Environmental Conservation Association (IPIECA) - Darren Waterman, Oil Spill Response Limited (OSRL)



TRACK 2: MARINE POLLUTION AND CLEAN WATER

SESSION 2:

Enhancing Ways to Reducing Impact of Marine Debris in the East Asian Seas Region

CONVENER:



Korea Marine Environment
Management Corporation

COLLABORATORS:



Partnerships in Environmental
Management for the Seas of
East Asia



First Institute of
Oceanography of China

Marine Debris or Marine Litter is one of the top priorities in the current global agenda. The issue has been included in the Sustainable Development Goals (SDGs) under Goal 14 Life under Water, UNGA as well as UNEA agenda and many other global initiatives. Marine Litter is believed to cause damages to marine life to the extent that some species may go extinction in few decades. Marine litter issue is particularly significant in the East Asian Seas region since the economy of the region is growing fast as the global growth hub. In this, ASEAN countries determined to address this global issue in concerted efforts. As the result, the 1st ASEAN Conference on Reducing Marine Debris in ASEAN Region was organized on 22-23 November 2017 in Phuket, Thailand and various action plans have formulated in the countries of the region.

As oceans are interconnected, marine debris issue should be addressed in a concerted effort around the globe. RO Korea is a leading country in addressing marine litter issue and wish to contribute the combat in mitigating the impact of marine debris. Through this workshop, countries strategies on marine debris will be presented and possible establishment of a network of marine litter research and monitoring in the region will be discussed. Enhancing public awareness and education relating to marine litter around the EAS region will be also discussed.

Expected Output/s:

- Forging a research network of Marine Debris Management in EAS region

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00-10:05	Opening Remarks - Dr. Park Seunggee , CEO, KOEM
10:05-10:20	Marine Litter Issue and response in the Philippines and in the ASEAN Context - Engr. Vizminda A. Osorio , Environmental Management Bureau, DENR, Philippines
10:20-10:35	The monitoring and management of marine litter in China - Dr. Cong Bailin , First Institute of Oceanography, China
10:35-10:50	Indonesia's response to marine litter - Mr. Dida Migfar Ridha , Director for Marine and Coastal Degradation Control, MOEF, Indonesia

10:50-11:05	National Marine Litter Program of RO Korea: Results of 10 years of practice - Dr. Sooyeon Cho , KOEM, RO Korea
11:05-11:20	PEMSEA's regional approach on Marine Litter - Ms. Aimee Gonzales , Executive Director, PEMSEA
11:20-11:55	Panel Discussion Topics: - Concerted efforts on marine litter monitoring - Enhancing public participation and awareness - Establishing a Marine Litter Network in EAS region Moderator: - Dr. Won-Tae Shin , PEMSEA Panelist: - Ms. Ruth Mathews , Stockholm International Water Institute - Dr. Lev Neretin , Coordinator, NOWPAP - Ms. Nguyen Thanh Thao , Deputy Director, VASI, Vietnam - Dr. Habib N. El-Habr , Coordinator, UNEP/GPA
11:55-12:00	Wrap-up - Mr. Stephen Adrian Ross , Former Executive Director, PEMSEA Closing Remarks - Dr. Park Seunggee , CEO, KOEM



TRACK 2: MARINE POLLUTION AND CLEAN WATER

SESSION 3:

Marine Plastic Pollution: A Global Issue with National and Local Solutions

CONVENERS:



First Institute of
Oceanography of China



United Nations Development
Programme



Partnerships in Environmental
Management for the Seas of
East Asia



International Union for
Conservation of Nature

The Ocean Conservancy reports that five of the eight largest contributors of plastic waste to the oceans are countries in the East Asian region. In light of this concern, varied efforts and innovations are emerging that can help address the problem at various levels. In particular, with the local coastal communities contributing to and experiencing the immediate adverse impacts of plastic waste, this session will look into potential options/approaches, new initiatives and innovative solutions that can help enhance local actions in combatting the rising problem of plastic pollution.

Expected Output/s:

- Views from a range of stakeholders on the marine plastic issue and potential solutions
- Examples of innovative local practices and circular economy approaches to reduce plastic pollution.
- Insights on knowledge and capacity building gaps/needs at the local level and how these can be met.
- Recommendations on developing/strengthening enabling conditions to promote the development, implementation and scaling up of sustainable plastic waste management practices at the local level and reducing marine plastic pollution.

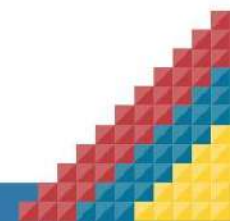
P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:35	Opening Remarks Chair: Dr. Jose Ezezo Padilla , Regional Technical Adviser, Water and Oceans, Bangkok Regional Hub, United Nations Development Programme (UNDP) Co-Chair: Ms. Maeve Nightingale , Capacity Development Manager, Mangroves for the Future
13:35-14:30	Roundtable Moderator: Dr. Leah Karrer , Senior Environment Specialist, Global Environment Facility Roundtable Respondents:

	<ul style="list-style-type: none"> - Mr. Gaspar Soares, Mayor, Dili Municipality, Timor-Leste - Mr. Prak Visal, Director of Public Relations and International Cooperation, Preah Sihanouk Province, Cambodia - Mr. Wenxi Zhu, Head, IOC Sub-Commission for the Western Pacific (IOC-WESTPAC) - Mr. Crispian Lao, Vice Chair and Commissioner, National Solid Waste Management Commission, and Founder of the Philippine Alliance for Recycling and Materials Sustainability (PARMS) - Ms. Jacqueline Price, Director, Cleanup Operations, 4Ocean - Mr. Rob Kaplan, Founder and CEO, Circulate Capital <p>Inputs from the audience may also be considered.</p>
14:30-14:42	Circular economy approach/solutions at the local level <ul style="list-style-type: none"> - Dr. SUN Chengjun, Researcher, FIO, SOA/MNR, China
14:42-14:54	Innovative Solutions from Seaweed <ul style="list-style-type: none"> - Ms. Sizigia Pikhansa, Creative and Marketing Manager, Evoware
14:54-15:06	Public-Private People Partnerships on Waste Management <ul style="list-style-type: none"> - Ms. Benjamas Chotthong, Director of Research Service Department, Thailand Environment Institute
15:06-15:18	Plastic waste pollution and management challenges and opportunities for Vietnam and Thailand <ul style="list-style-type: none"> - Ms. Buithithu Hien, IUCN, Vietnam and Ms. Siriporn Sriaram, IUCN, Thailand
15:18-15:30	Presentation of a UNDP-PEMSEA Concept "Supporting a Circular Economy Approach to Reduce Plastics Pollution in Asia" <ul style="list-style-type: none"> - Ms. Floradema Eleazar, Programme Manager, Inclusive and Sustainable Development Unit, UNDP Philippines
15:30 – 15:45	Coffee Break
15:45-16:15	Panel discussion and Open Forum Moderator: Dr. Gil S. Jacinto , Professor, Marine Science Institute, University of the Philippines Panelists: Presenters <p>The presenters will be addressing questions or clarifications from the moderator on their presentations/solutions and the issue of reducing marine plastic pollution, including the following:</p> <ul style="list-style-type: none"> • Barriers in developing/sustaining the local initiatives/solutions, and how these were/can be overcome • Knowledge and research gaps/needs to improve understanding of the issue and development of better solutions • Strategies and opportunities for scaling up/replication, developing collaborations, investments, and engaging private sector and development partners

16:15-16:45	Synthesis and wrap up
-------------	-----------------------





TRACK 2: MARINE POLLUTION AND CLEAN WATER

SESSION 4:

Catalyzing Improved Source-to-Sea (S2S) Governance, Management and Investment in East Asia and Southeast Asia

CONVENERS:



United Nations Development Programme



Food and Agriculture Organization



Partnerships in Environmental Management for the Seas of East Asia

Ecosystems along a continuum from source-to-sea are being degraded as an unintended consequence of economic activities that might happen far upstream or downstream in the source-to-sea system (Granit. J. et al, 2017). This is happening primarily for two reasons: 1) lack of awareness and understanding of the land-to-sea ecosystem linkages and flows of water, sediment, pollutants, biota and ecosystem services; and 2) lack of capacity and know-how to avoid or mitigate the interconnected threats and negative impacts coming from multiple sectors and multiple resource users. The impacts of climate change currently add further stresses in river basins and coastal and sea areas in most regions of the world. It is clearly evident that the UN Sustainable Development Goals (SDG) include a number of targets (e.g., SDG 2, 6, 8, 11, 12, 13, 14 and 15) that are directly dependent upon the ability of governments and their partners to overcome these barriers.

A related overarching concern is that water use among East Asian and Southeast Asian countries is growing rapidly, while water quality and quantity challenges persist in such a way that the situation in some areas has threatened to derail economic growth. Increased population has intensified freshwater usage, both surface and ground water. Water demand is increasing drastically due to rapid urbanization, industrialization and agriculture/food production intensification and expansion, and many areas in the region are projected to be water stressed by 2025 (Lee 2013).

These two issues are inseparably linked and require urgent attention.

This session on Catalyzing Improved Source-to-Sea Governance, Management and Investment in the East Asia and Southeast Asia will attempt to answer the following questions:

1. What are the main objectives and challenges of regional organizations and national and local governments in managing river basins, coastal regions, and/or sub-regional sea areas/LMEs in an integrated or holistic manner?
2. How are current (and planned) ICM, IWRM, IRBM and other strategies and actions helping to resolve these challenges? What achievements and lessons can be learned from other regions of the world?
3. What is still absent or lacking that is critical to up-scaling? How would this/these aspect(s) provide national and local governments, communities, business sector/investors, donors and the region as a whole with the capacity to leapfrog to sustainable development and management of river basins and coastal areas?

Expected Output/s:

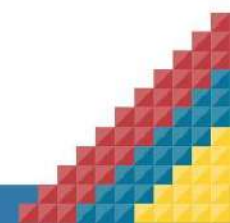
- To enhance S2S awareness by sharing the experiences and perspectives of policymakers, managers and practitioners at the regional, national and local levels.
- To identify priority demands, opportunities and challenges for further development and up-scaling of S2S solutions across the region.
- To foster collaboration and new partnerships and to build consensus on key approaches, activities, products and services that will enable government and non-government stakeholders to scale-up improved S2S governance, management and investments.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
15:45-15:55	Opening Remarks by the Co-Chairs <ul style="list-style-type: none"> - Dr. Jose Padilla, Regional Technical Advisor (Water, Coastal, Marine), UNDP Regional Hub, Bangkok, Thailand - Ms. Louise Whiting, Senior Water Management Expert, FAO Regional Office for Asia and the Pacific of the UN, Bangkok, Thailand
15:55-16:35	Sharing S2S experiences at the regional, national and local levels Implementation of the Bay of Bengal LME SAP <ul style="list-style-type: none"> - Ms. Susana V. Siar, Fisheries Officer, FAO Regional Office for Asia and the Pacific of the UN, Bangkok, Thailand Integrated Water Resources Management in the Philippines <ul style="list-style-type: none"> - Ms. Maria Erlinda P. Pajarito, National Water Resources Board, Department of Environment and Natural Resources, Philippines Integrated River Basin and Coastal Area Management in Xiamen, PR China – The Jiulong River-Xiamen Bay Experience <ul style="list-style-type: none"> - Dr. Fang Qinhua, Professor, Coastal and Ocean Management Institute, Xiamen University, PR China Integrated management of the Vu Gia - Thu Bon River Basin and the coastal area of Quang Nam - Da Nang <ul style="list-style-type: none"> - Dr. Nguyen Minh Son, Institute of Environmental Technology, Viet Nam Academy of Science and Technology, Viet Nam Knowledge sharing and networking S2S governance and management <ul style="list-style-type: none"> - Dr. Natalie Degger, Deputy Director, GEF LME-IW:LEARN Project, IOC UNESCO, Paris, France
16:35-17:05	Innovations and responses to S2S demands ADB's Green Finance Catalyzing Facility <ul style="list-style-type: none"> - Mr. Bruce Dunn, Director, Environment and Safeguards (SDS), Sustainable Development and Climate Change Department (SDCC), Asian Development Bank Innovations in technology and integrated management solutions <ul style="list-style-type: none"> - Mr. Juergen Lorenz, JL Business and Technology Consultancy, Manila, Philippines S2S innovations in research, monitoring and knowledge sharing

	<ul style="list-style-type: none"> - Dr. Guillermo Q. Tabios III, Professor of the Institute of Civil Engineering and Research Fellow of National Hydraulic Research Center, College of Engineering, University of the Philippines, Diliman, Quezon City
17:05-17:15	<p>Panel Discussion</p> <ul style="list-style-type: none"> - From your perspective, what is absent or lacking in existing IWRM/IRBM/ICM programs and initiatives that is critical to up-scaling S2S governance and management in East Asia and Southeast Asia? <p>How would this/these aspect(s) provide national and local governments, communities, business sector/investors, donors, and the region as a whole with the ability and capacity to leapfrog to sustainable development and management of river basins and coastal areas?</p> <p>Respondents:</p> <ul style="list-style-type: none"> - Ms. Ruth Matthews, Programme Manager at the Water Governance Department and Coordinator of the Action Platform for Source-to-Sea Management, Stockholm International Water Institute (SIWI), Stockholm, Sweden - Mr. Irham Adhitya, Cooperation Analyst, Directorate General of Aquaculture, Ministry of Marine Affairs and Fisheries, Republic of Indonesia
17:15-17:35	Open Forum
17:25-17:45	Co-chairs Wrap-up





TRACK 3: BIODIVERSITY AND COASTAL MANAGEMENT

SESSION 1:

Healthy Coasts and Healthy ASEAN: Saving the ASEAN through Effective Collaboration

CONVENER:



ASEAN Center for
Biodiversity

SPONSOR:



European Union

The ASEAN hosts a third of the world's coastal and marine habitats and has 54 percent more marine area compared to its total land area. But its fast-growing economies and populations are putting pressures on these resources. Hence, a healthy coastal and marine ecosystem is of utmost importance to ASEAN for food and livelihood security. While ASEAN has been responding to mitigate these threats, it is slow particularly in fulfilling the region's global commitments to biodiversity conservation and sustainable development. Therefore, ACB, with the ASEAN and relevant partners are working together for a more aggressive, targeted and highly complementary action to towards a healthy ASEAN coasts.

The session intends to share the various responses of the ASEAN Member States and collaborative actions at the regional level given the status.

Expected Output/s:

- Indicative ASEAN-initiated project anchored on the proposed Letter of Cooperation (LOC)
- Capacity and/or policy development support for the common and priority issues on CME in the ASEAN region.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:40	Opening Addresses - Dr. Sheila G. Vergara , Director for Biodiversity Information Management, ACB
13:40-13:50	Opening Addresses - Ms. Aimee Gonzales , Executive Director of PEMSEA
13:50-14:00	Opening Addresses - For. Ricardo L Calderon , Assistant Secretary for Staff Bureaus, DENR
14:00-14:10	Opening Addresses - Giovanni Serritella , Attaché, Manager for Environment & Climate Change, Development Cooperation Section, European Union Delegation to the Philippines
14:10-14:50	Keynote Message

	<ul style="list-style-type: none"> - Dr. Angel Alcala, National Scientist of the Philippines and ASEAN Biodiversity Hero from the Philippines
14:50-15:00	Open Forum on the Keynote Message <ul style="list-style-type: none"> - Moderator: Ms. Vanessa Carriedo, Head of Communications and Public Affairs Unit, ACB
15:00-15:20	Achieving Aichi Biodiversity Targets and UN Sustainable Goal 14: How is ASEAN Faring? <ul style="list-style-type: none"> - Dr. Sheila G. Vergara, Director for Biodiversity Information Management of the ASEAN Centre for Biodiversity (ACB)
15:20-15:30	Announcement of the Winners of the Zooming in on Biodiversity Photo Contest <ul style="list-style-type: none"> - Ms. Vanessa Carriedo, Head of Communication and Public Affairs Unit, ACB
15:30-15:45	Coffee Break
15:45-16:05	ASEAN Heritage Parks Programme: Regional Governance of an Area-based Approach to Conservation and Sustainable Use of Coastal and Marine Ecosystems in the ASEAN Region <ul style="list-style-type: none"> - Dr. Filiberto A. Pollisco, Jr., Programme Specialist for Conservation Policy and Research, ACB
16:05-16:25	Using Agent Based Modelling (ABM) to Understand habitat connectivity for decision making <ul style="list-style-type: none"> - Dr. Karenne Tun, Director of Biodiversity and Coastal and Marine Branch, National Biodiversity Centre, National Parks Board
16:25-16:45	Large-scale Marine Protected Area Management and Development: Supporting People and Biodiversity <ul style="list-style-type: none"> - Dr. Porfirio Aliño, Research Professor, Academician of the National Academy of Science and Technology (NAST)
16:45-17:05	Investing in Biodiversity Conservation <ul style="list-style-type: none"> - Mr. Xavier Canton-Lamouse, Project Manager, European Union Delegation to the Philippines
17:05-17:25	Marine debris, a global focus: Issues, ongoing efforts, and policy direction in ASEAN <ul style="list-style-type: none"> - Dr. Jerker Tamelander, Head of the Coral Reef Unit, UN Environment Asia and the Pacific Office
17:25-17:35	Open Forum on the Presentations <ul style="list-style-type: none"> - Moderator: Dr. Filiberto A. Pollisco, Jr., Programme Specialist for Conservation Policy and Research, ACB
17:35-17:40	Synthesis and Ways Forward <ul style="list-style-type: none"> - Ms. Claudia B. Binondo, Project Development Officer, ACB
17:40-17:45	Closing Summary <ul style="list-style-type: none"> - Dr. Filiberto A. Pollisco, Jr., Programme Specialist, ACB



TRACK 3: BIODIVERSITY AND COASTAL MANAGEMENT

SESSION 2:

MABIK: Promoting Biodiversity in the Seas of East Asia

CONVENER:



Marine Biodiversity
Institute of Korea



Aligning with UN SDGs and the Sustainable Development Strategy for the Seas of East Asia (SDS-SEA), MABIK would like to introduce itself to EAS partners by describing facilities, research projects and outreach programs. Since 2015, MABIK has conducted researches on marine biodiversity including sea turtles, sea snakes, and *Sesamops intermedius*. MABIK has run and expanded outreach programs as well as research projects for better ocean literacy. MABIK wishes to meet new partners and to establish effective networks for conservation and sustainable use of marine biodiversity.

Expected Output/s:

- Through the Partnership Hub session, we hope to initiate collaborative research projects, outreach programs and joint workshops. It would be a good opportunity to establish joint research laboratories in mutual institutions based on the collaborative agreement.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
15:45 – 15:55	Opening Address - Sundo Hwang , President, MABIK
15:55 – 16:20	Collaboration for coexistence and more ocean literate society (with video presentation) - Dr. Moonguen Yoon , MABIK
16:20 – 16:45	Working together for conservation of marine biodiversity (with video presentation) - Dr. Jaejoon Jung , MABIK
16:45–17:35	Networking Session: Moderator: Dr. Willy Campos (University of the Philippines in the Visayas) Panelists/Possible future partners: - Dr. Porfirio Alino (University of Philippines Marine Science Institute) - Dr. Hazel Arceo (University of Philippines Marine Science Institute) - Prof. Chou Loke Ming (National University of Singapore) - Mr. Sereivathanak Reasey Hoy (Royal University of Phnom Penh) - Dr. Luky Adrianto (Bogor Agricultural University, TBC)
17:35 – 17:45	Closing Summary - Dr. Willy Campos (University of the Philippines in the Visayas)



TRACK 3: BIODIVERSITY AND COASTAL MANAGEMENT

SESSION 3:

Partnerships to Scale-up Community-based Ocean and Coastal Management

CONVENER:



Small Grants Programme

GEF Small Grants Programme (SGP) is a corporate program funded by the GEF and implemented by UNDP to support local action to address global environmental challenges. SGP provides financial and technical support to communities and civil society organizations to protect the environment while addressing poverty reduction and community empowerment. Local successes, if not being scaled up, have limited impacts and cannot reverse the environmental degradation trend in oceans and seas. Recognizing partnerships are essential to scaling up, SGP has worked with GEF full-sized international waters projects to practice integrated ocean and coastal management through implementing regional action programs at local level and integrating local actions to regional frameworks.

SGP has collaborated with UNEP/GEF South China Sea Project, PEMSEA and UNDP/GEF Yellow Sea Project to promote the incorporation of local demonstration activities in collaboration with SGP country programs under the regional projects. SGP has also supported international waters projects to environmental challenges in East Asian Seas. The panelists will consider: 1) how projects generate greater results and impact beyond expectations? 2) How to create an enabling environment for scaling up? 3) What experiences and lessons learnt?

Expected Output/s:

- Experiences and lessons learnt community based international waters management;
- Factors, mechanisms or processes to scale up community-based actions;
- Suggestions for partnership development and implementation.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:30 – 15:30	<p>Panel Discussion</p> <ul style="list-style-type: none"> - Moderator: Jose Padilla, Regional Technical Advisor, United Nations Development Programme, Bangkok, Thailand <p>Panelists:</p> <ul style="list-style-type: none"> - Yi Liu, National Coordinator, GEF Small Grants Programme in China - Shin Shin Lee, National Coordinator, GEF Small Grants Program in Malaysia - Catharina Dwiastarini, National Coordinator, GEF Small Grants Program in Indonesia - Rodolfo Ferdinand Quicho, Jr., Country Programme Manager, GEF Small Grants Program in the Philippines - Dr. Sangjin Lee, Environment Economist of the YSLME Project



TRACK 3: BIODIVERSITY AND COASTAL MANAGEMENT

SESSION 4:

Transforming Coastal Communities, Securing Futures

CONVENER:



This session will focus on coastal fisheries, which are often undervalued and under-resourced, yet critical to food security, the livelihood of millions and national economies, as well as integral to marine biodiversity. Speakers will discuss issues such as the lack of data, securing preference for small-scale fishers, governance and financing at provincial or regional scales, and will tackle the opportunities presented by community-focused management approaches and partnerships taken to scale.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:30 - 13:35	Overview and Presentation of Objectives - Rocky Sanchez Tirona , Vice President, Rare Philippines
13:35-13:50	The 3 Pillars of Sustainable Coastal Fisheries Management - Rocky Sanchez Tirona , Vice President, Rare Philippines
13:50 -14:10	Fisheries Management at the Right Scales: Making EAFM in Fishery Management Areas stick through community-based management - Nygiel Armada , Chief of Party, USAID FISHRIGHT
14:10-14:15	Measuring small scale fisheries in Myanmar (OurFish video) - Rocky Sanchez Tirona , Vice President, Rare Philippines
14:15-14:35	Case Study of Dampier Strait in Indonesia: Aligning rights-based management policy with governance at a provincial scale - Taufiq Alimi , Vice President, Rare Indonesia
14:35-14:55	Opportunities for coastal fisheries financing at different scales - Hon. Gerardo Valmayor , Mayor of San Carlos City, Negros Occidental, Philippines - Nino Raymond Alvina , Executive Director, Bureau of Local Government Finance, Department of Finance
14:55-15:15	Panel discussion Facilitator: Rocky Sanchez Tirona , Vice President, Rare Philippines Reactors: - Ms. Setyawati , Deputy Director of Marine Affairs and Fishery, Indonesia

	<p>Ministry of National Development Planning (BAPPENAS)</p> <ul style="list-style-type: none"> - Maria Aimee Sobrevega, Focal Person for Visayan Sea, Bureau of Fisheries and Aquatic Resources (BFAR) Region 6, Department of Agriculture of the Philippines - Marlynn M. Mendoza, Chief of Coastal and Marine Division, Biodiversity Management Bureau, Department of Environment and Natural Resources, Philippines - Susana Siar, Fishery and Aquaculture Officer, Food and Agriculture Organization
15:15-15:30	<p>Action Planning and Presentation</p> <ul style="list-style-type: none"> - Paolo Roberto Domondon, Director for Strategy, Partnerships & Development, Rare Philippines



TRACK 4: GOVERNANCE AND PARTNERSHIPS

SESSION 1:

Local Actions Toward Achieving Sustainable Development Targets

CONVENER:



PEMSEA Network of
Local Governments

The PEMSEA Network of Local Governments (PNLG) adopted the Ansan Declaration on 6 September 2016 in Ansan, Republic of Korea, which renewed the commitment of the members to implementing the PNLG Strategic Action Plan (2016-2021) through their respective ICM programs and related initiatives. Specifically, the local governments committed to identify time-bound SDG targets and plans for sustainable development of coastal areas and blue economy growth; report annually on the progress towards achieving the targets and share information through various knowledge platform.

This session will provide the opportunity for the PNLG members and other local governments and partners to discuss the experiences and good practices in implementing plans and programs related to SDG 6 (water and sanitation), SDG 11 (sustainable cities), SDG 13 (climate action), SDG 14 (Life below water and SDG 17 (partnerships for the goals). The session will also discuss the mechanisms for implementation, monitoring and reporting and partnership development in facilitating the achievement of the SDG targets at the local level.

Expected Output/s:

Demonstration of local governments contribution to achieving national, regional and global SDG targets through:

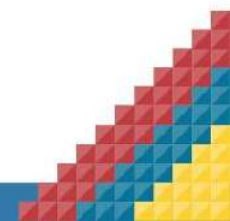
1. Implementation of ICM and related initiatives
2. Development and operationalization of reporting platforms
3. Strengthening technical, financial and institutional capacities, including partnerships

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:30 - 13:35	Introduction and Session Background <ul style="list-style-type: none"> - Hon. Noraini Binti Roslan, President, Kuala Selangor District Council, Malaysia and President, PEMSEA Network of Local Governments for Sustainable Development
13:35-13:55	Keynote: 25 years of local implementation and partnerships <ul style="list-style-type: none"> - Dr. Chua Thia-Eng, Chair Emeritus, EAS Partnership Council and Overall International Conference Chair of EAS Congress 2018

13:55-14:05	SDG 6: Clean water and sanitation Clean Water: Challenges in Managing the Untreated Wastewater in Pulau Ketam <ul style="list-style-type: none"> - Ms. Norfaezah Binti Shamsuddin, Engineer, Selangor Water Management Authority, Malaysia
14:05-14:20	SDG 11: Sustainable cities Integrating the Development of Land and Sea: New Practices for Sustainable Marine Development in Xiamen <ul style="list-style-type: none"> - Mr. Lin Guozhong, Deputy Director General, Bureau of Oceans and Fisheries Xiamen, PR China
14:20-14:30	SDG 13: Climate action Building Climate Resilience Strategy: A safe community facing storm surge and flood disasters in Da Nang City <ul style="list-style-type: none"> - Ms. Pham Thi Chin, Director, Da Nang Agency for Seas and Islands Da Nang City, Viet Nam
14:30-14:40	SDG 14: Life below water Scaling up the Protection and Conservation of Marine and Coastal Ecosystems and Resources through Marine Protected Area Management in Guimaras, Philippines <ul style="list-style-type: none"> - Ms. Rose Jane Sablon, Aquaculturist II, Guimaras Environment and Natural Resources Office, Guimaras Province, Philippines
14:40-15:00	Panel discussion Perspective from Local Government <ul style="list-style-type: none"> - Dr. Josefino Bascug, Provincial Planning and Development Coordinator and Local Economics and Investments Promotion Officer, Province of Misamis Oriental, Philippines Perspective from Academe/PEMSEA Network of Learning Centers <ul style="list-style-type: none"> - Dr. Luky Adrianto, Dean of Faculty of Fisheries and Marine Science, Bogor Agricultural University, Indonesia Perspective from a Local Government Network <ul style="list-style-type: none"> - Mr. Victorino Aquitania, Regional Director, ICLEI-Local Governments for Sustainability, Southeast Asia Secretariat Perspective from an International Organization <ul style="list-style-type: none"> - Ms. Louise Whiting, Senior Water Management Expert, Food and Agricultural Organization of the United Nations
15:00-15:20	Open Forum
15:20-15:30	Synthesis and wrap up




TRACK 4: GOVERNANCE AND PARTNERSHIPS
SESSION 2:
From one to many: managing MPA networks for a collaborative and adaptive marine biodiversity conservation actions
CONVENER:


The primary response of the government and non-government organizations to protect important habitats and biodiversity in coastal and marine environment has been the establishment of marine protected areas and fish sanctuaries. At present, there are 33 MPAs established through the National Integrated Protected Areas System (NIPAS) and 1,800 under the Fisheries Code and Local Government code. Expanding spatial coverage of MPAs and forming networks has been undertaken to enhance ecological and socio-economic benefits from conservation. Forming MPA networks demand concerted efforts and enhanced strategies through coordinated management, enforcement and information sharing.

Expected Output/s:

The session aims to discuss and develop action plans to address the following:

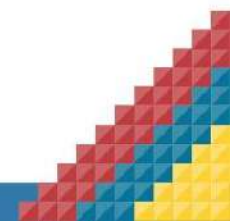
- Use of competence standards guidebook and pilot-testing of the M&E framework for MPAN to measure effectiveness of MPA/Ns in addressing threats, improving conditions of reef and fish communities, and monitoring gains and benefits to people
- Enhance coordination between relevant national government agencies towards crafting a joint administrative order to facilitate establishment and institutionalization of MPA/Ns initiatives?

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00-10:15	SMARTSeas PH Project's initiatives towards strengthening PA system in the Philippines - Dr. Vincent V. Hilomen
10:15-10:35	National MPA Network Policy Framework: incorporating science-based principles in local and national policies - Atty. Alton Durban
10:35-10:55	Competence assessment tools for MPA and network managers - Dr. Porfirio Aliño
10:55-11:15	Monitoring, evaluation, reporting and feedback system for MPA network - Dr. Hazel Arceo

11:30-12:00	Open forum - SMARTSeas PH Project
-------------	--------------------------------------




TRACK 4: GOVERNANCE AND PARTNERSHIPS
SESSION 3:
Realizing the SDGs through Strategic Partnerships: A Future Trajectory for Action in the Northwest Pacific
CONVENER:

 Northwest Pacific
 Action Plan

Regional cooperation and partnership building have played an indispensable role in advancing assessments, institutional development and ocean governance in the Northwest Pacific region. However, moving forward, how do we maintain this momentum and keep making progress in areas as complex and dynamic as, for example, conservation of marine biodiversity, pollution reduction and, ultimately, ocean governance, while recognizing their vital role in the achievement of Sustainable Development Goal 14: Life Below Water.

This session - via keynote presentations by Dr. Suh-Yong Chung, Associate Dean and Professor in the Division of International Studies, Korea University, and Dr. Wenxi Zhu, Head of the UNESCO/IOC Sub-commission for the Western Pacific (WESTPAC) - will explore the challenges and opportunities that come with realizing the SDGs in the evolving environment of ocean governance in the East Asia region, and how partnerships and cooperation in science and technology bring us closer to this goal. Presentations will be followed by a discussion - moderated by NOWPAP Coordinator, Lev Neretin - providing a platform for more in-depth reflection on specific technical issues in the areas of: marine litter management, pollution and eutrophication, preparedness and response to oil spills, coastal zone management, and regional ocean governance.

Expected Output/s:

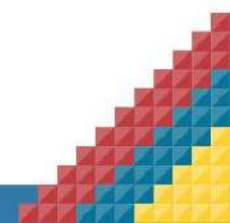
- Policy brief on the role of evolving regional ocean governance in East Asia to realize Sustainable Agenda 2030.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
15:45-16:00	Opening Remarks
16:00-16:20	Keynote: Evolving ocean governance in the East Asia region: Challenges and Opportunities for Achieving Sustainable Development Goals <ul style="list-style-type: none"> - Dr. Suh-Yong Chung, Professor, Division of International Studies of Korea University, R. Korea
16:20-16:40	Keynote: Supporting scientific and technical cooperation in the Northwest Pacific region: Preparing for the UN Decade of Ocean Science for Sustainable Development (2021-2030) <ul style="list-style-type: none"> - Dr. Wenxi Zhu, Head of the UNESCO/IOC Sub-commission for the Western Pacific (WESTPAC)

16:40-17:20	<p>Moderated discussion among the panelists</p> <p>Moderator:</p> <ul style="list-style-type: none">- Dr. Lev Neretin, NOWPAP Coordinator, UNEP <p>Panelists:</p> <ul style="list-style-type: none">- Dr. Anatoly Kachur, Director of the NOWPAP Pollution Monitoring Centre (POMRAC), Russian Federation- Dr. Seong Gil Kang, Director of NOWPAP Marine Environmental Emergency Preparedness and Response Regional Activity Centre (MERRAC), R. Korea- 2-3 additional panelists will be confirmed at a later date
17:20-17:45	<p>Q&A with the Audience and Closing</p> <ul style="list-style-type: none">- Dr. Lev Neretin, NOWPAP Coordinator, UNEP




TRACK 4: GOVERNANCE AND PARTNERSHIPS
SESSION 4:
Large Marine Ecosystems (LMEs): An Engine for Achieving SDG14
CONVENER:


IW:LEARN

The Yellow Sea, South China Sea, East China Sea, Sulu-Celebes, Indonesian Seas and Gulf of Thailand are six Large Marine Ecosystems (LMEs) of great ecological and economic importance to the region. The LME Approach has provided a rallying point for countries to cooperate in dealing with problems relating to the utilization of transboundary marine resources. This session will demonstrate how GEF LME:LEARN is supporting the LMEs in creating partnerships through its Regional Networks, how the GEF LME Approach currently contributes to achieving the SDG 14 targets, and how country-endorsed SAPs under implementation can contribute to achieving the targets.

Expected Output/s:

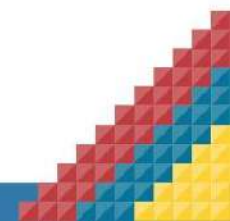
- Actionable recommendations on advancing SDG14 targets through work done by LMEs in the region
- New partnerships created to support the LMEs in achieving SDG 14 targets

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:45	Opening Addresses <ul style="list-style-type: none"> - Ms. Natalie Degger, GEF IW/LME:LEARN, The GEF LME Approach
13:45-14:45	TedX Style Presentations (Tentative Titles) <p>Yellow Sea LME approach in achieving SDG 14 targets</p> <ul style="list-style-type: none"> - Dr. Sangjin Lee, Environmental Specialist <p>Bay of Bengal LME SDG: Addressing Target SDG14.b</p> <ul style="list-style-type: none"> - Ms. Susana Siar, Program Coordinator <p>Indonesian Seas approach for achieving SDG 14 targets</p> <ul style="list-style-type: none"> - Mr. David Brown, Program Coordinator <p>SDG 14.4: Restoring fisheries through refugia systems in the South China Sea and Gulf of Thailand</p> <ul style="list-style-type: none"> - Mr Somboon Siriraksophon, Director, SEAFDEC
14:45-15:05	Facilitated Questions to the panel <p>Facilitator: Natalie Degger, GEF LME:LEARN</p> <ul style="list-style-type: none"> - Dr. Sangjin Lee, Environmental Specialist - Ms. Susana Siar, Program Coordinator

	<ul style="list-style-type: none">- Mr. David Brown, Program Coordinator- Mr. Somboon Siriraksophon, Director, SEAFDEC
15:05-15:25	Audience Questions
15:25-15:30	Closing Summary <ul style="list-style-type: none">- Ms. Natalie Degger, GEF IW/LME: LEARN





TRACK 4: GOVERNANCE AND PARTNERSHIPS

SESSION 5:

Legal and Institutional Mechanisms to Manage the Marine Environment in the Seas of Southeast Asia: Status and Way Forward

CONVENER:



It is often said that Southeast Asia has one the weakest regional seas programmes for the protection of the marine environment. One of the reasons mentioned is the lack of a binding agreement for the protection of the marine environment in the region and the so-called ASEAN way preferred by the littoral States.

This session aims to investigate and discuss the extent to which regional institutions can foster a common understanding of applicable international law and facilitate its implementation. Presentations will focus on:

- Principles of international marine law applicable in the region including global instruments which have developed regional institutions. Applicable treaties include, in addition of the United Nations Convention on the Law of the Sea, the 1971 Ramsar Convention, the 1979 Convention on Migratory Species, the 1992 Convention on Biological Diversity. Regional mechanisms and institutions developed under the purview of international treaties and organisations include the Memorandum of Understanding on the Conservation and Management of Marine Turtles and their habitats of the Indian Ocean and Southeast Asia as well as Regional Guidelines for Responsible Fisheries in Southeast Asia adopted by the Southeast Asian Fisheries Development Centre (SEAFDEC) to implement FAO Guidelines.
- Regional Institutions which are involved in the management and protection of the marine environment. These include ASEAN bodies and ASEAN+ bodies but also other regional bodies that are connected to the ASEAN such as SEAFDEC as well as regional institutions and bodies that are independent from the ASEAN such as PEMSEA, COBSEA and the CTI-CFF.
- Examples of regional applications of international regulations for the protection of sensitive marine areas. These include 45 coastal and marine sites in the region identified under the Ramsar Convention, the development of critical habitats and ecological networks for migratory species listed under the 1979 Convention on Migratory Species, Ecologically and Biologically Significant Areas under the 1992 Convention on Biological Diversity, Particularly Sensitive Sea Areas under the IMO, etc.

Expected Output/s:

- Recommendations on advancing SDG14 targets, especially target 14(c) towards progress of indicator 14(c)(1) in Southeast Asia.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
15:45 – 17:45	Chair-Moderator: - Youna Lyons , Centre for International Law, National University of Singapore
	Speakers: Principles and rules of international marine law applicable to the seas of Southeast Asia - Amber Rose Maggio , Centre for International Law, National University of Singapore
	Regional institutions and the protection of the marine environment in Southeast Asia - Dita Liliansa , Centre for International Law, National University of Singapore
	Application of international marine law to the seas of Southeast Asia: The example of sensitive marine areas - Youna Lyons , Centre for International Law, National University of Singapore
	Commentator: - Jacqueline Espenilla , University of the Philippines, College of Law - Prof. Raphael PM Lotilla , PEMSEA



TRACK 5: RESEARCH AND TOOLS

SESSION 1:

Speed-dating with Technical Tools for Strengthening Coastal Management

CONVENER:



Capturing Coral Reef and
Related Ecosystem Services

The Capturing Coral Reef & Related Ecosystem Services (CCRES) project developed a suite of models, tools and knowledge products to demonstrate the linkages between the ecological value of healthy coastal ecosystems and the economic value and market potential of ecosystem services that they provide. These tools are intended to support local planning and management decisions that promote maintenance of healthy ecosystems and economic benefits from their sustainable use.

The session aims to introduce the CCRES tools and how these can be used to build system-wide solutions for strengthening integrated coastal management and governance across the East Asia-Pacific region. Attendees will have hands-on experience with the tools in small, breakout groups, facilitated by experienced tools users. Through this fun, interactive, “speed-dating” approach, the session aims to promote the uptake and application of the tools to strengthen local coastal management programs.

Expected Output/s:

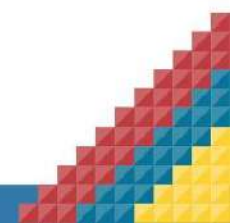
- The launch of the CCRES tools linkage on PEMSEA’s Seas of East Asia (SEA) Knowledge Bank, a partnership in knowledge management for strengthening coastal resources management.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
15:45-16:15	Introduction <ul style="list-style-type: none"> - Assoc. Prof. Damian Hine, Team Leader, Business Development, CCRES
16:15-17:15	Speed-dating <ul style="list-style-type: none"> - Mark Paterson, Team Leader, Communications & Engagement, CCRES Group 1: Marine planning <ul style="list-style-type: none"> - Prof. Cesar Villanoy, and Dr Vera Horigue, both from the University of Philippines Marine Science Institute (UPMSI) - Tools: Marine reserve guidelines toolkit Group 2: Systems analysis <ul style="list-style-type: none"> - Benjamin Adriano, Jr., Palawan Council of Sustainable Development (PCSD), and Gianina Decano, Palawan State University (PSU) - Tools: SESAMME, System Simulation Model, SYSTORY

	<p>Group 3: Business Development</p> <ul style="list-style-type: none"> - Assoc. Prof. Damian Hine, The University of Queensland (UQ), and Eva Marie Ponce de Leon, PSU - Tools: Ecosystem-based Business Development (EbBD), Eco-Biz Challenge <p>Group 4: Behaviour change</p> <ul style="list-style-type: none"> - Erik Simmons, UQ; Dr Dedi Adhuri, Indonesian Institute of Sciences (LIPI) - Tools: My Future, My Oceans; FishCollab
17:15-17:45	<p>Announcement</p> <ul style="list-style-type: none"> - Dr Liz Izquierdo, Project Manager, CCRES, Makoto Harunari, Technical Session Chair of the EAS Partnership Council; launch of CCRES tools on the <u>SEA Knowledge Bank</u>.





TRACK 5: RESEARCH AND TOOLS

SESSION 2:

Satellite Observation Data-based Systems for Improved Coastal and Marine Management: Moving from Research to Services

CONVENERS:



Plymouth Marine Laboratory



Oil Spill Response Limited

COLLABORATOR:



First Institute of Oceanography of China

Earth observations (EO) from space can provide unique and cost-effective information to greatly aid sustainable marine management. Next steps focus on integrating data into services, allowing actionable intelligence to end-users, i.e., fisheries and aquaculture, marine planning, water quality monitoring, maritime security, oil spill preparedness and response, and environmental protection.

Speakers will share regional and international experiences, latest developments in technical solutions and infrastructure for data delivery to end-users. "Services of tomorrow", networks and industry requirements will be highlighted while considering potential regional challenges through discussion of existing EO marine services. The session will conclude with an interactive debate and recommendations on EO for future SDS-SEA actions

Expected Output/s:

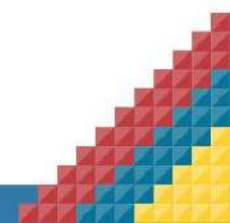
- Recommendations for the application and integration of EO data to support SDS-SEA actions and/or sustainable marine management in the East Asian Seas (EAS) region
- Potential partnerships identified for the application/integration of EO data for sustainable marine management in the EAS region

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30 – 13:45	Session introduction and introduction of speakers <ul style="list-style-type: none"> - Chair: Jae Ryoung OH, PhD, PEMSEA Executive Committee and Research Counselor, South Sea Research Institute at Korea Institute of Ocean Science and Technology
13:45 – 14:00	Regional satellite applications in coastal environment <ul style="list-style-type: none"> - Dr. CUI Tingwei, Researcher, First Institute of Oceanography, State Oceanic Administration, PR China
14:00 – 14:15	Local government's perspective on the challenges and applications of earth observation data at the local level <ul style="list-style-type: none"> - Mr. Chhoun Rapin, Department of Land Management, Urban Planning, Construction and Cadastre, Preah Sihanouk Province, Cambodia

14:15 – 14:30	Geospatial applications and opportunities with satellite derived data <ul style="list-style-type: none">- Dr. Benjamin Loveday, Marine Earth Observation Scientist, Plymouth Marine Laboratory, UK
14:30 – 14:45	Identifying the benefits of EO and application of the data in preparing for and responding to oil spills <ul style="list-style-type: none">- Ms. Hon Phui Hang, Spill Response Specialist, Oil Spill Response Limited, Singapore
14:45 – 15:00	Aquaculture and earth observation <ul style="list-style-type: none">- Ms. Kristina Cordero, Marine Science Institute, University of the Philippines, Diliman, Quezon City, Philippines
15:00 – 15:30	Open forum, interactive discussion with panel and wrap-up <ul style="list-style-type: none">- Chair: Jae Ryoung OH





TRACK 5: RESEARCH AND TOOLS

SESSION 3:

A Critical Review of 25 Years of Land Reclamation in East Asia

CONVENERS:



Florida International
University



Xiamen University



Korea Institute of Ocean
Science and Technology



East Asian
Australasian Flyway
Partnership



UNDP/GEF Yellow Sea
Large Marine Ecosystem
Phase II Project

In this Partnership Hub session, we critically reflect on the issues of land reclamation in East Asia. Land reclamation had been widely implemented in many East Asian countries over the past decades. While provisioning new land that increases the countries' development potentials, land reclamation brings irreversibly detrimental impacts to the livelihoods of local fishing communities, the marine ecosystem, and globally migrating shorebird populations. Technological advances have enabled faster, larger-scale reclamation that transforms the marine environment to an unprecedented degree. Meanwhile, we have witnessed that land reclamation projects are driven by the logic of construction and politics, rather than an actual need for land. Reclaimed land sit idle concerns us, asking whether the ocean has become an easy place for 'grabbing' and how we should effectively manage reclamation practices.

This session invites speakers whose presentations cover various aspects of land reclamation from political economy and legal and institutional developments to sociocultural and ecological impacts. We aim to cover the entire East Asian seas as possible, trace the trajectories of major reclamation projects in the region, and attend to the latest trends in reclamation. This session targets policy makers, practitioners, academics, and general public as our main audience. The presentations will be followed by panel discussion. By the end of the session, we will share with our audience a comprehensive summary of East Asia's land reclamation experience over the past 25 years and some of the ways forward.

Expected output/s:

- Lessons learned from the experiences of PEMSEA's member countries and recommendations for minimizing reclamation efforts in the EAS region
- Partnership Hub proceedings

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00 – 10:05	Welcome <ul style="list-style-type: none"> - Dr. Suk-Jae Kwon, Principal Research Scientist, Korea Institute of Ocean Science and Technology
10:05 – 10:20	Forty years-long changes in coastal land use and ecosystem services in the Yellow Sea <ul style="list-style-type: none"> - Dr. Bong-Oh Kwon, Assistant Research Professor, Seoul National University

10:20 – 10:35	Understanding cumulative impacts of coastal reclamation in China: from science to policy - Dr. Qinhua Fang , Professor, Xiamen University
10:35 – 10:50	Political economy of coastal land reclamation in China and South Korea - Dr. Young Rae Choi , Assistant Professor, Florida International University
10:50 – 11:05	Status of land reclamation in Indonesia - Dr. Ridwan Djameluddin , Deputy Minister of Coordination for Infrastructure, Coordinating Ministry for Maritime Affairs of Indonesia
11:05 – 11:20	Impacts of long-term coastal reclamation on migratory bird populations in the East Asian-Australasian Flyway - Dr. Colin Studds , Assistant Professor, University of Maryland
11:20 – 11:35	Conserving and restoring valuable coastal wetlands of the Yellow Sea - Dr. Wang Wei , Associate Scientist, First Institute of Oceanography/Ministry of Natural Resources of China
11:35 – 12:00	Panel discussion and Wrap-up - Moderator: Dr. Young Rae Choi - Dr. Moon Suk Lee , Senior Research Scientist, Korea Institute of Ocean Science and Technology - Dr. Luky Adrianto , Associate Professor, Bogor Agricultural University (IPB)



TRACK 5: RESEARCH AND TOOLS

SESSION 4:

Higher Education Forum on Implementation of UN SDG 14 and other related Ocean and Coastal Goals

CONVENER:



PEMSEA Network of
Learning Centers

Higher education institutions play a vital role towards the sustainable development of the coasts and seas through its core activities in education, research, governance and external leadership (SDSN, 2017:10). Building on-the-ground capacity in implementing and scaling up integrated coastal management (ICM) programmes involve maintaining a critical mass of ICM leaders and practitioners in the East Asian region who can contribute to effective and efficient implementation of SDG 14 and other related ocean and coastal goals. In line with this, PEMSEA's capacity development strategies include mobilizing universities and research institutes in increasing technical support available on the ground, providing scientific inputs from experts' advice in focus issues in various phases of ICM cycle and building capacity and skills to replicate and scale up the ICM practice in the region.

This forum provides a platform for university leaders to share, discuss and commit to strengthening collaboration among ICM Learning Centers through joint initiatives under the wider umbrella of the PEMSEA Network of Learning Centers (PNLC), with an outcome that leads to education, research and outreach through various innovative activities. In the plenary session, selected ICM Learning Centers will present their initiatives in helping achieve the ocean-related SDGs in a holistic way, through their core activities (teaching, research and extension services). The panel discussion that follows will explore other innovative ways through cooperation, collaboration and the knowledge exchange among various higher education institutions in the region. The PNLC, as a network of ICM Learning Centers working towards the sustainable development of our ocean and coasts, has a key role to play to support these efforts through working with leading higher education institutions from various countries in Asia. At the end of the Forum, action plans for the network will be considered which will be fed in the PNLC Annual Planning Workshop, that follows afterwards. The event will end with ceremonial induction of the newly designated ICM Learning Centers as members of the PNLC.

Expected Output/s:

- Action plans on proposed initiatives for joint projects on postgraduate curriculum, training and research
- New ICM LCs inducted into PNLC
- Forum Proceedings

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00-10:05	Opening Remarks - Mr. Stephen Adrian Ross (TBC) , Former Executive Director, PEMSEA

10:05 – 10:15	Keynote Address: Healthy Oceans and Universities: Meeting the UN SDG goals on ocean and coasts through innovative curriculum, training and research <ul style="list-style-type: none"> - Dr. Nestor Yunque (TBC), Vice President, Administration, University of the Philippines
10:15 – 10:25	PEMSEA and ICM Learning Centers: Collaboration Opportunities for Training, Research and Curriculum Development <ul style="list-style-type: none"> - Johanna Diwa-Acallar, Capacity Development Manager, PEMSEA
10:25 – 10:55	Plenary: University-led initiatives contributing to SDG 14 and other related ocean and coastal goals <ul style="list-style-type: none"> - Dr. Arif Satria, Rector, Bogor Agricultural University - Dr. Hernando Robles, President, Cavite State University - Prof. Praparsiri Barnette, Chair, PNLC-Burapha University
10:55– 11:35	Panel Discussion: Synergies and partnerships towards sustainable development of the ocean and coasts: Challenges and Opportunities <ul style="list-style-type: none"> - Dr. Ario Damar, PNLC Chair, 2017-2018 - Mr. Roel Ravanera, Vice President, Xavier University - Mr. Eusebio Dias Quintas, Acting Rector, Oriental University of Timor Leste - Dr. Elmira Shamshiry, AP-FAST, UNESCO Open Forum
11:35 – 11:45	Wrap Up and Conclusions
11:45 – 12:00	Induction of new PNLC members <ul style="list-style-type: none"> - Udayana University (CFSD - UNUD), Indonesia - Diponegoro University (Undip), Indonesia - Cavite State University (CvSU), Philippines



TRACK 6: OCEAN INDUSTRY AND FINANCE

SESSION 1:

Empowering Women, Balancing Gender: Fundamental Aspects to Climate Change and Strengthening Marine Environmental Protection in the Port and Maritime Sector

CONVENERS:



International Maritime
Organization



Partnerships in Environmental
Management for the Seas of
East Asia

"The challenge of climate change and marine environmental protection is unlikely to be gender-neutral, as it increases the risk to the most vulnerable and less empowered social groups. In the formulation of global and national approaches, as well as in the strategic responses to specific sectors, gender awareness, substantive analysis and inclusive engagement will be necessary" (Overview of United Nations activities in relation to climate change).

The partnership hub will identify and review existing programs and initiatives on strengthening the integration of women and gender equality in the port and maritime sector. International organizations in this sector (e.g. IMO, ILO) are encouraging countries to enable women to train alongside men to acquire the high-level of competence that the port and maritime industry demands to better cope with the demands of the jobs, including the effects of climate change.

The partnership hub will also review the progress among East Asian countries, particularly in the context of two key challenges to sustainable port management and operations, namely: climate risk assessment, mitigation and adaptation; and marine environmental protection in the port and maritime sector. The application of the Port Safety, Health and Environmental Management System (PSHEMS) as a framework for facilitating the planning, development implementation of women and gender safeguards in the port industry will be explored.

Finally, the partnership hub will consider how national agencies and training institutes in the maritime and port sector can be encouraged and assisted to adopt and implement programs on empowering women and gender equality, and to strengthen these aspects in future trainings on PSHEMS and management interventions focused on climate change and marine environmental protection.

Expected Output/s:

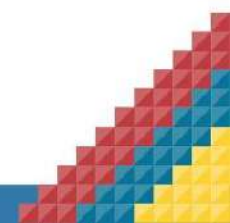
- Action plan to encourage and assist national agencies, maritime training institutes and the port sector to better enable women to acquire a high-level of competence and responsibility in the maritime and port industry, including linkages to climate change mitigation and adaptation and marine environmental protection in the ports, through the development and implementation of PSHEMS.
- Partnership Hub proceedings

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:45	Introduction – Empowering Women, Balancing Gender: Fundamental Aspects of Adapting to Climate Change and Strengthening Marine Environmental Protection in the Port and Maritime Sector <ul style="list-style-type: none"> - Mr. James Paw - Session Chair; Former Technical Officer IMO, Consultant PEMSEA
13:45-14:05	Presentation: Women in Maritime <ul style="list-style-type: none"> - Ms. Helen Buni, Women in Development Programme, IMO
14:05-14:25	Empowering Women in Maritime Asia Through Protection of Marine Environment <ul style="list-style-type: none"> - Ms. Merle Jimenez, San Pedro, Head of Wima-Asia Governing Council
14:25-14:50	National program on PSHEMS and Gender Mainstreaming in ports <ul style="list-style-type: none"> - Arnold B. Villegas, Division Manager Safety and Environmental Management Division, Port Operations Service Department, Philippine Ports Authority (PPA)
14:40-15:10	University program for female maritime cadettes <ul style="list-style-type: none"> - VADM Eduardo Ma. R. Santos, AFP (Ret.), President, Maritime Academy of Asia and the Pacific (MAAP)/ Dr. Angelica M. Baylon, Director, ERO, MAAP
15:10-15:30	Open Forum
15:30-15:45	Coffee Break
15:45-16:15	Panel discussion Panelists: <ul style="list-style-type: none"> - Ms. Merle Jimenez, San Pedro, Head of Wima-Asia Governing Council - Arnold B. Villegas, Division Manager Safety and Environmental Management Division, Port Operations Service Department, Philippine Ports Authority (PPA)

	<ul style="list-style-type: none"> - VADM Eduardo Ma. R. Santos, AFP (Ret.), President, Maritime Academy of Asia and the Pacific (MAAP)/ Dr. Angelica M. Baylon, Director, ERO, MAAP - Atty. Brenda Pimentel, Regional Consultant: IMO/Norad Project on the Marine Environment Protection for the South East Asian Seas (MEPSEAS) - Mr. Sing Seno, Sihanoukville Autonomous Port
16:15-16:30	Presentation: Marine Environmental Protections Initiatives <ul style="list-style-type: none"> - Atty. Brenda Pimentel, Regional Consultant: IMO/Norad Project on the Marine Environment Protection for the South East Asian Seas (MEPSEAS)
16:30-16:45	The Role of ITOPF in Promoting Marine Environmental Protection in the Maritime Sector <ul style="list-style-type: none"> - Capt. Julke Brandt, Technical Adviser, ITOPF Limited
16:45-17:00	PSHEMS as a framework for implementing gender balance, climate mitigation and environmental marine protection <ul style="list-style-type: none"> - Mr. Renato C. Cardinal, Knowledge Management and Certification Services, PEMSEA
17:00-17:20	“Way forward and chartering future actions” Facilitated by: Renato C. Cardinal , Knowledge Management and Certification Services, PEMSEA
17:20-17:30	Synthesis and wrap up <ul style="list-style-type: none"> - Mr. James Paw - Session Chair; Former Technical Officer IMO, Consultant PEMSEA





TRACK 6: OCEAN INDUSTRY AND FINANCE

SESSION 2:

Filling the Pipeline: A Sustainable Ocean Investment Ecosystem for the Seas of East Asia

CONVENER:



Partnerships in Environmental
Management for the Seas of
East Asia

The need for significantly increased investment to achieve the targets under the UN Sustainable Development goals is well understood. UNDP cites a USD2.5 trillion gap in investments required to meet the SDGs, and it's not likely that all of this financing will come from government and donor support. By catalyzing private sector investment, there is an opportunity to redirect billions of dollars of capital away from unsustainable investment towards sustainable, blue economy investments in the region.

To address this need and opportunity, a number of new funds have emerged to focus on investing in sustainable development of oceans, in areas including fisheries, marine pollution and coastal tourism. However, funds face challenges in sourcing investment projects that can support the Sustainable Development Goals while offering viable investment models. At the same time, donor support has a role to play in developing new models and approaches that can lower risks and catalyze the flow of private capital.

This session will introduce the emerging investment ecosystem in the Seas of East Asia, including a new Ocean Investment Facility for sourcing and developing investments that address critical ocean challenges, such as ocean plastics, wastewater, sustainable aquaculture, marine conservation, and more. Building on the regional Strategic Action Programme (SAP) coordinated by PEMSEA, which brings together donors, technical partners and private investment funds, this new investment ecosystem can catalyze both public and private financing, building a pipeline of investment opportunities supporting SDG 14 and unlocking the ocean investment potential in the Seas of East Asia.

Expected Output/s:

- Sharing of regional investment cases and building an understanding of the interests of funds in blue economy investment opportunities
- Linkages with funds that can lead to partnership for future investments in the region
- Linkages with technical experts and project stakeholders that can support development of potential pipeline projects
- Understanding of the Ocean Investment Facility and its benefits for project proponents, project developers and investors
- Strengthened donor support for ocean investment in the region

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00 – 10:05	Welcome <ul style="list-style-type: none"> - Aimee Gonzales, Executive Director, PEMSEA
10:05 – 10:15	The Growing Ocean investment Ecosystem in East Asia <ul style="list-style-type: none"> - Ryan Whisnant, Director of Strategic Initiatives, PEMSEA
10:15 – 11:05	Presentations and Panel Discussion: Blue Economy Investment Cases from the Region <p>Moderator: Bruce Dunn, Director, Environment and Safeguards (SDS), Sustainable Development and Climate Change Department (SDCC), Asian Development Bank (ADB)</p> <p>Ocean Plastics</p> <ul style="list-style-type: none"> - Rob Kaplan, Founder and CEO, Circulate Capital <p>Wastewater as a Resource</p> <ul style="list-style-type: none"> - Dr. Jose Marie Lim, Managing Director, LCI Envi Corporation <p>Sustainable Aquaculture</p> <ul style="list-style-type: none"> - René Benguerel, Founder & Managing Director, Blueyou Consulting <p>Marine Protection and Tourism</p> <ul style="list-style-type: none"> - Alain Maulion, Senior Policy Expert, Blue finance
11:05– 11:40	Investor Perspectives on the Ocean Investment Opportunity <p>Moderator: David Pangan, Investment Specialist, PEMSEA</p> <ul style="list-style-type: none"> - Dale Galvin, Managing Partner, Meloy Fund - Jürgen Zeitlberger, Manager Blue Natural Capital Financing Facility, IUCN - Augusto Camba, Regional Investment Manager – South East Asia, Capital 4 Development
11:40-11:55	Roundtable discussion: East Asian Ocean Investment Facility <p>Framing Questions:</p> <ul style="list-style-type: none"> • What types of projects are investors / funds looking for and what are their requirements? • What potential investment opportunities are out there (from local governments and other stakeholders)? • How can PEMSEA and its partners best help to identify and develop pipeline in the region?
11:55-12:00	Wrap Up



TRACK 6: OCEAN INDUSTRY AND FINANCE

SESSION 3:

Healthy Oceans, People and Economies: How Important is Biodiversity Financing?

CONVENER:



Biofin

Challenges confronting the oceans and coastal ecosystems are compounding in time. Modest gains in addressing anthropogenic threats through protection measures and informed policies are negated by the vagaries of climate and emerging and worrisome patterns of utilization such as reclamation and land development. By reflecting the value of ecosystems into monetary units, stakeholders are propelled to make better decisions on resource allocation between competing uses, improving incentives and generating expenditures. While the context focuses on coral reef management, it is critical to see how it contributes to the broader coastal management perspective.

Why talk about financing? Significant funding is required to address threats posed by illegal fishing, reclamation, pollution, harvesting of corals and associated species, unbridled land development, etc. Third, due to the severe rate of destruction, coral restoration procedures will cost more, in fact, more than what it would cost to prevent the destruction. Relevant discussions on financing are not focused solely on raising revenues or ensuring more funding. Cost avoidance and delivering better are also finance solutions benefitting coral reef management. Likewise, realignment of expenditures from harmful actions to positive actions are also highlighted as finance solutions.

Expected Output/s:

- This mini symposium will result to a listing of finance solutions which can support regional level initiatives based on information provided through discussion of BIOFIN methodology and the finance catalogue.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:45	The Biodiversity Finance Initiative <ul style="list-style-type: none"> - Annabelle Trinidad, Senior Technical Adviser, BIOFIN Philippines
13:45-14:00	Mobilizing Resources for the Philippine Biodiversity Strategy and Action Plan <ul style="list-style-type: none"> - Anabelle Plantilla, Project Manager, BIOFIN Philippines
14:00-14:15	From national to local: BIOFIN applied to Mindoro <ul style="list-style-type: none"> - Lorenzo Cordova, Lead Consultant, BIOFIN Philippines

14:15-14:30	What Will it Take to Make Payment for Ecosystems Service Work? A Case of a Small Island Called <i>Koh Tao</i> - Niran Nirannoot , Project Manager, BIOFIN Thailand
14:30-14:45	Sukuk and Islamic giving as a finance solution in Indonesia - Bayuni Shantiko , Project Manager, BIOFIN Indonesia
14:45-14:55	Opportunities for non-BIOFIN countries: the regional node - Annabelle Trinidad , Senior Technical Adviser, BIOFIN Philippines
14:55-15:10	Using the finance catalogue to develop regional finance solutions - Annabelle Trinidad , Senior Technical Adviser, BIOFIN Philippines
15:10-15:30	Sharing - BIOFIN Philippines


TRACK 6: OCEAN INDUSTRY AND FINANCE
SESSION 4:
Ocean Energy – The Future of Blue Economy
CONVENERS:

COLLABORATOR:


Ocean is the biggest carbon sink of the earth system which sequester more than 2 billion metric ton per year or one third of anthropogenic carbon generation. Ocean possesses not only the sequestering power but also power to produce renewable energies which contribute to the eradication of fossil fuel consumption. Owing to its enormous potent energy through tide, wave, heat and others, the oceans provide numerous opportunities for energy sources which fuel necessary economic development in the era of climate change afflicted global community.

The status of ocean energy development is in its nascent stage. Research efforts have been devoted to various fields with certain degree of successes. However, there are lots of works need to be done for the ocean energy to be mainstreamed into the power sector. Barriers such as non-supportive government policies and resistant to clean and renewable energy sources by the Business As Usual (BAU) energy sectors make ocean energy development sluggish.

In this workshop, the success stories of the ocean energy development will be presented as well as government policies and promotion in support of the ocean energy development around the globe. The roles and contributions of ocean energy in the Blue Economy is also delved into.

Expected Output/s:

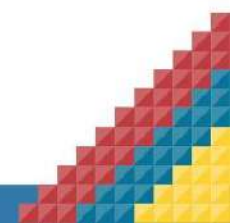
- Policy brief on Ocean Energy in the EAS region in support of the Blue Economy development

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:30-13:40	Opening <ul style="list-style-type: none"> - Opening remarks, Ms. Aimee Gonzales, PEMSEA - Welcome remarks, Dr. Kim Woong-suh, President, KIOST
13:40-13:55	Past, Present and the Future of Ocean Energy as one of the promising sector of Blue Economy <ul style="list-style-type: none"> - Dr. Lee Kwang-Soo, KIOST, RO Korea
13:55-14:10	State of the Art Development of Ocean Energy in China <ul style="list-style-type: none"> - Dr. Liu Weimin, First Institute of Oceanography, China

14:10-14:25	Development of Ocean Energy in the Philippines <ul style="list-style-type: none"> - Dr. Michael Lochinvar Abundo, Ocean Pixel Philippines
14:25-14:40	Indonesian Road Map to Marine Energy: status and prospective <ul style="list-style-type: none"> - Dr. Erwandi, Agency for the Assessment and Application of Technology, Indonesia
14:40-14:55	KRISO's Plan for ocean energy utilization to achieve SDGs in Pacific/Asian coastal areas <ul style="list-style-type: none"> - Dr. Kim Hyeon-Ju, KRISO, KIOST, RO Korea
14:40-15:25	Panel Discussion Topics: <ul style="list-style-type: none"> - Recent success stories in ocean energy development - Contribution of ocean energy in carbon sequestration - Policy reform for fostering ocean energy development Moderator: <ul style="list-style-type: none"> - Dr. Won-Tae Shin, PEMSEA Panelists: <ul style="list-style-type: none"> - Dr. Keita Furukawa, OPRI, Japan - Mr. Raphael Dorilag, Ocean Pixel, Philippines - Dr. Wenxi Zhu, IOC/WESTPAC
15:25-15:30	Wrap-up and Closing <ul style="list-style-type: none"> - Prof. Raphael PM Lotilla, University of the Philippines





TRACK 6: OCEAN INDUSTRY AND FINANCE

SESSION 5:

From Potential to Reality: Business Leadership for a Blue Economy in the Seas of East Asia

CONVENER:



Partnerships in Environmental
Management for the Seas of
East Asia

Strong collaboration between government and business will be critical for achieving the UN Sustainable Development Goals (SDGs), including SDG 14 Life below water. Along with safeguarding the health of coastal ecosystems and communities, achieving the SDGs may open pathways for new opportunities for companies.

The potential of effective public-private partnership for coastal and ocean management has been discussed for some time, but the reality of forging concrete, value-added partnerships has in many cases remained elusive. Companies may struggle to move beyond mere compliance or approaches that are disconnected from their core business, while public institutions may wonder how to best engage with the private sector in ways that achieve sustainable development goals while adding value that incentivizes companies to partner.

Development partners like PEMSEA, World Ocean Council, World Business Council for Sustainable Development and IUCN can play a bridging role, supporting the achievement of sustainable development objectives while helping companies to address their challenges related to coasts and oceans.

This session will examine the role of business and its needs and expectations for collaborative coastal and ocean management, along with the role of development partners in helping companies to identify and develop practical opportunities supporting the SDGs and blue economy development. Building on insights from a new Sustainable Business Roadmap for the region, participants will explore prospects for establishing a regional alliance and opportunities for public-private partnership for blue economy development.

Expected Output/s:

- Insights on company needs and how development partners can provide a strong case for private sector engagement for blue economy development in the region
- Learning more about development partners in the region and how they can support business in better coastal and ocean management
- Exploring potential for an alliance between development partners and companies in the region
- Identification of opportunities for joint activities between development partners and companies
- Strengthened donor support for blue economy development with the private sector in the region

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
15:45 – 15:55	Welcome and Insights from a Sustainable Business Roadmap for Coasts and Oceans in East Asia <ul style="list-style-type: none"> - Ryan Whisnant, Director of Strategic Initiatives, PEMSEA
15:55 – 16:45	Presentations and Panel Discussion: business and oceans Moderator: Anna Oposa , The Purpose Business Panelists: <ul style="list-style-type: none"> - Gilda Custodio-Maquilan, Sustainability, Government & Industry Affairs Manager, Coca-Cola Far East Limited - Mariglo Laririt, Director of Sustainability, Ten Knots Group / El Nido Resorts - René Benguerel, Chairman and President, Meliomar - Amado Blanco, Net-Works Regional Manager - Southeast Asia, Project Net-Works / Zoological Society of London
16:45 – 17:25	Presentations and Panel Discussion: development partners Moderator: Ryan Whisnant , PEMSEA Panelists: <ul style="list-style-type: none"> - Ann Moey, Head of Communications and Private Sector Focal Point, IUCN Asia - Bonar Laureto, Executive Director, Philippine Business for Environment - Guillaume Drillet, Regional Manager for Environmental Health and Safety Marine Services SGS (a member of the World Ocean Council)
17:25– 17:40	Roundtable Discussion: Opportunities for value-added blue economy partnerships Framing Questions: <ul style="list-style-type: none"> • How can development partners help companies to address their challenges related to coastal and ocean sustainable development? • How could an alliance between development partners and companies help to address these challenges in the region? • Where are opportunities for concrete, on-the-ground partnerships, including investments and new business?
17:40-17:45	Wrap Up



TRACK 7: BLUE ECONOMY TRACK

SESSION 1:

Capitalizing Upon Blue Economy Potentials for SDG14

CONVENER:



Examining case studies and analyzing critical factors for promoting blue economy and safeguarding environmental sustainability and socio-economic equity, empowering communities and stakeholders in the context of achieving SDG 14.

Expected output/s:

- Chair's report on discussion highlights, knowledge exchange on good practices and lessons learned, networking and partnership, policy brief on critical factors promoting stakeholder involvement.

P R O G R A M M E

Date: 27 November 2018

Time	Agenda
13:30-13:40	Opening Session Opening and introductory remarks <ul style="list-style-type: none"> - Dr. Keita Furukawa, Director, Research and Development Department, Ocean Policy Research Institute (OPRI), the Sasakawa Peace Foundation (SPF)
13:40-14:00	Keynote Message on Blue Economy <ul style="list-style-type: none"> - Dr. Atsushi Sunami, President, Ocean Policy Research Institute (OPRI), the Sasakawa Peace Foundation (SPF)
14:00-15:30	Panel Discussion 1 "Blue Economy and SDG14" Key factors for blue economy through conservation and sustainable management of coastal and marine resources <ul style="list-style-type: none"> - Dr. Keita Furukawa, Director, Research and Development Department, Ocean Policy Research Institute (OPRI), the Sasakawa Peace Foundation (SPF) Good practices and challenges for promoting blue economy and achieving SDGs <ul style="list-style-type: none"> - Mr. Masanori Kobayashi, Senior Research Fellow, OPRI-SPF Conservation and sustainable use of biological resources for blue economy and SDGs <ul style="list-style-type: none"> - Ms. Clarissa Arida, Deputy Director, ASEAN Center for Biodiversity

	<p>Discussant:</p> <ul style="list-style-type: none"> - Ms. Caridad Canales, Associate Economic Affairs Officer, Environment and Development Division, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)
15:30-15:45	Break
15:45-17:15	<p>Panel Discussion 2 “Policy-Science Interface and stakeholder involvement for blue economy”</p> <p>Satoumi and local council for integrated coastal management</p> <ul style="list-style-type: none"> - Dr. Osamu Matsuda, Prof. Emeritus, Hiroshima University and Vice-Chairman of International EMECS Center <p>Renaissance of Satoumi – socio-ecologically productive seascape in Shima, Japan</p> <ul style="list-style-type: none"> - Mr. Chihiro Takeuchi, Mayor, Shima City, Mie Prefecture, Japan <p>Blue carbon and blue economy</p> <ul style="list-style-type: none"> - Dr. Atsushi Watanabe, Senior Research Fellow, OPRI-SPF <p>Towards International Nitrogen Management System project focusing on land-based nitrogen loads to East China Sea</p> <ul style="list-style-type: none"> - Dr. Kentaro Hayashi, Unit Leader, Division of Biogeochemical Cycles, Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization <p>Coastal ecosystem management and blue economy – Local initiatives and the role of youth</p> <ul style="list-style-type: none"> - Youth group representatives from Japan - Mr. Kan Kurasawa, Undergraduate Student, Tokay University School of Marine Science and Technology - Ms. Kasumi Fujita, Master Course Student, University of Tokyo Graduate School for Public Policy <p>Discussant:</p> <ul style="list-style-type: none"> - Dr. Karen Edyvane, Professor, Charles Darwin University, Australia and Visiting Professor Universidade Nacional Timor Lorosa'e (UNTL)
17:15-17:30	Closing remarks
17:30	Adjournment



TRACK 7: BLUE ECONOMY TRACK

SESSION 2:

Interdisciplinary Research to Underpin Sustainable Planning and Management for Blue Economy

CONVENER:



Plymouth Marine Laboratory

This session will focus on the interdisciplinary research, which increases understanding of the economic, social, and ecological systems that should be brought together and used to support marine planning, management, and future sustainable development and blue economy.

This session aims to:

- Present different approaches to undertaking blue economy-relevant interdisciplinary research
- Describe innovative decision support tools that are being developed from this research
- Discuss examples of how and where these approaches and tools are, or could be used across the multiple and interacting blue economy sectors (e.g., renewable energy, fisheries, aquaculture, tourism, recreation and leisure) to promote sustainability of the ecosystem services that underpin these sectors, and are impacted by them.

Expected Output/s:

- A greater understanding of the interdisciplinary research and support sustainable development of blue economy sectors and marine management, regulation, and policy associated with this development.
- Potential applications of approaches and tools in the blue economy sectors in the East Asian Seas (EAS) region identified.

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
10:00 – 10:15	Session Introduction <ul style="list-style-type: none"> - Chair: Andrew Bell, Chairman of the UK National Committee for the UNESCO Biosphere Programme and UK Vice Chairman for International Programmes; Director of the North Devon, UK Biosphere
10:15 – 10:30	Interdisciplinary research – aligning the economy with ecology and ecosystems to create decision support tools <ul style="list-style-type: none"> - Prof. Melanie Austen, Head of Science: Sea and Society and Lead and Principal investigator of RCUK GCRF Blue Communities, Plymouth Marine Laboratory, United Kingdom

10:30 – 10:45	Participatory approaches to explore the costs and benefits of blue economy development (title TBC) <ul style="list-style-type: none"> - Dr. Radisti Praptiwi, Research Fellow, Center for Sustainable Energy and Resources Management, Universitas Nasional Jakarta, Indonesia
10:45 – 11:00	Building capacity in Southeast Asia in interdisciplinary research to support marine management and sustainable livelihoods <ul style="list-style-type: none"> - Prof. Lota Creencia, Dean, College of Fisheries and Aquatic Sciences, Western Philippines University, Philippines
11:00 – 11:15	Bringing the human health dimension into interdisciplinary marine research <ul style="list-style-type: none"> - Prof. Lora Fleming, Director, European Centre for Environment and Human Health and Chair, Oceans and Epidemiology and Human Health, Exeter University, United Kingdom
11:15 – 11:30	Interdisciplinary research underpinning marine management <ul style="list-style-type: none"> - Dr. Goh Hong Ching, Senior Lecturer, Department of Urban and Regional Planning, Faculty of Built Environment, University of Malaya, Malaysia
11:30 – 11:55	Panel discussion Using interdisciplinary research to support sustainable development of the blue economy Panelists: Session Speakers Facilitator: Session Chair
11:55 – 12:00	Wrap-up <ul style="list-style-type: none"> - Session Chair: Andrew Bell



TRACK 7: BLUE ECONOMY TRACK

SESSION 3:

SOC Reports and blue economy innovations, emerging industries, and governance

CONVENERS:



Department of Environment
and Natural Resources,
Philippines



Partnerships in Environmental
Management for the Seas of
East Asia

This session will highlight the innovative and emerging industries in the EAS region, and show their benefits, and contribution to national economies and to achieving the SDGs. New technologies, research and development programs, supporting policies, incentives and other enabling factors to scale up the development of these industries will be discussed by the speakers. The role of oceans and ecosystem services, which underpin these industries, and the need to protect and conserve these resources to sustain blue economy will be emphasized, and draw attention to the outlook for blue economy in the region

Expected output/s:

- Contribution of ocean economy, and blue economy initiatives, such as innovative and emerging industries, to national economies, employment generation, livelihoods, innovations, and food, water and energy security
- Recommendations on (a) solution options on ecosystem and biodiversity conservation, sustainable fisheries, water security, pollution reduction, and climate resiliency, (b) enabling conditions for blue economy, (c) replication and scaling up of innovative and sustainable initiatives to support blue economy development
- Next steps towards developing ocean accounts and waste accounts, and updating of the SOC Reports
- Identification of host, theme and tentative schedule for the next Blue Economy Forum

P R O G R A M M E

Date: 28 November 2018

Time	Agenda
13:30 – 13:40	Opening Remarks Blue economy and climate change - DENR Undersecretary Analiza R. Teh
13:42 – 13:55	Blue economy in the Caribbean and North Brazil Shelf Large Marine Ecosystems (CLME+) - Patrick Debels (UNDP/GEF CLME+)

13:55 – 14:00	Q&A
14:00 – 15:00	<p>Session 1: SOC Reports – Blue economy innovations and emerging industries</p> <ul style="list-style-type: none"> - Co-chair: Dr. Alistair McIlgorm (ANCORS, University of Wollongong) <p>Singapore's blue economy initiatives: Desalination, wastewater reuse, and water security</p> <ul style="list-style-type: none"> - Ms. Wan Yin See (Ministry of Environment and Water Resources, Singapore) <p>China's ocean economy and ocean health: Marine renewable energy, energy security and climate resiliency</p> <ul style="list-style-type: none"> - Ms. Wang Shouqiang (China-PEMSEA Sustainable Coastal Management Cooperation Center) <p>Philippines's ocean economy and ocean health: Marine biotechnology and opportunities for new medicines</p> <ul style="list-style-type: none"> - Ms. Armida Andres (DENR-Biodiversity Management Bureau) <p>Malaysia's ocean economy and ocean health: Ecotourism and green ports</p> <ul style="list-style-type: none"> - Ms. Cheryl Rita Kaur (Maritime Institute of Malaysia)
15:00 – 15:30	<p>Panel discussion:</p> <ul style="list-style-type: none"> • Linkages of ocean-related industries and multiplier effects • Contribution of blue economy initiatives to SDGs • Outlook for extending the frontiers of the use of ocean accounts for planning, creating incentives, and driving innovations for blue economy • Next steps for developing/updating the ocean accounts and waste accounts <p>Discussants:</p> <ul style="list-style-type: none"> - Ms. Vivian Ilarina (Philippine Statistics Authority) - Ms. Cheryl Rita Kaur (Maritime Institute of Malaysia) - Dr. Achmad Fahrudin (Bogor Agricultural University) <p>Moderator: Dr. Alistair McIlgorm (ANCORS, University of Wollongong)</p>
15:30 – 15:45	Coffee/tea break
15:45-16:30	<p>Session 2 SOC Reports – Blue economy and protecting the oceans for food security, livelihood, and climate resiliency</p> <ul style="list-style-type: none"> - Co-chair: Ms. Caridad Canales, UNESCAP <p>Thailand's ocean economy and ocean health:</p>

	Mangrove rehabilitation for fisheries and climate resiliency - Ms. Sumana Kajonwattanakul (Department of Marine and Coastal Resources, Thailand)
	Cambodia's ocean economy and ocean health: Coral reef protection for fisheries, biodiversity and tourism - Mr. Roath Sith (Ministry of Environment)
	Viet Nam's ocean economy and ocean health: Habitat protection and sustainable aquaculture - Dr. Nguyen Le Tuan
16:30 – 16:55	Panel discussion / Q&A <ul style="list-style-type: none"> • Contribution of habitat and biodiversity conservation to resilient blue economy and communities • Blue carbon market potential • Next steps for valuation of coastal and marine resources and ocean environmental-economic accounts Discussants: <ul style="list-style-type: none"> - Dr. Abilio da Fonseca (Timor-Leste) - Mr. Wang Shouqiang (China-PEMSEA Sustainable Coastal Management Cooperation Center) - Ms. Armida Andres (Biodiversity Management Bureau, DENR)
16:55 – 17:25	Session 3: SOC Reports – Policies and innovative governance mechanisms for blue economy - Co-chair: Dr. Alistair McIlgorm (ANCORS, University of Wollongong)
	Indonesia's ocean economy and ocean health: Addressing marine debris and plastic waste - Mr. Dida Migfar Ridha (Ministry of Environment and Forestry, Indonesia)
	Timor Leste's ocean economy and ocean health: Adopting new national ocean policy - Dr. Abilio da Fonseca , Timor Leste
17:25 – 17:55	Panel discussion <ul style="list-style-type: none"> - Analyzing the role of the public sector and various stakeholders, and the impacts of policy mix in boosting sustainability and innovations for blue economy; Outlook for blue economy - Innovations in policies to enhance ocean governance and achieve related SDGs

	<ul style="list-style-type: none"> - Outlook for blue economy policy - Updating the SOC Reports <p>Discussants:</p> <ul style="list-style-type: none"> - Mr. Patrick Debels (CLME+) - Ms. Caridad Canales (UNESCAP) - Ms. Wan Yin See (MEWR, Singapore) - Ms. Sumana Kajonwattanakul (DMCR, Thailand) <p>Moderator:</p> <ul style="list-style-type: none"> - Dr. Alistair McIlgorm
17:55 – 18:00	<p>Summary and recommendations</p> <ul style="list-style-type: none"> - Chair: Atty. Analiza R. Teh, DENR Undersecretary