



CONFERENCE MANUAL

The 8th China–Southeast Asian Countries
Marine Cooperation Forum

Jakarta, Indonesia

November 28–29, 2024

INTRODUCTION

The 8th China-Southeast Asian Countries Marine Cooperation Forum

Background

Southeast Asian countries and China, situated at the crossroads of the Pacific Ocean, Indian Ocean, Andaman Sea, and South China Sea, boast some of the most bio-diverse coastal and marine environments globally. Economies in these regions are predominantly ocean-dependent, with key sectors such as fisheries and tourism thriving on marine resources, and even agriculture being significantly influenced by the Asian monsoon. However, in their quest for rapid economic development, these countries have endured substantial damages from extreme weather and climate events. Amidst the global climate change, they confront pressing challenges including marine ecosystem degradation, seawater pollution, coral bleaching, mangrove loss, and coastal erosion.

To tackle these shared issues, the China-Southeast Asian Countries Marine Cooperation Forum was initiated on 2013 and 7 forums have been convened over the past decade to enhance marine science and technology collaboration. These forums aim to develop science-based strategies to mitigate these common environmental concerns. The UN Decade of Ocean Science for Sustainable Development (2021-2030) was approved by the United Nations General Assembly (UNGA) in order to reverse the trend of decline in ocean health and bring together ocean stakeholders worldwide to advance the science that we need for the ocean we want. Aligning with the principles of the Ocean Decade, this forum invites experts and policymakers from Southeast Asian countries and China to engage in dialogue and share expertise on marine science, technology, and policy so as to foster international cooperation for sustainable regional development and to strive for a clean, peaceful and prosperous ocean for all.

• Theme:

Strengthen Collaboration on Ocean and Climate to Accelerate Actions for the UN Decade of Ocean science

• Date:

November 28-29, 2024

• Venue:

BRIN headquarters, Jakarta, Indonesia

• Hosts:

National Research and Innovation Agency (BRIN), Indonesia
Ministry of Natural Resources (MNR), China

• Organizers:

First Institute of Oceanography, MNR, China
Research Organization for Earth Sciences and Maritime, BRIN, Indonesia
Institute of Research and Community Services Universitas Jenderal Soedirman, Indonesia
Ocean Decade International Cooperation Center, China
Agency for Marine and Fisheries Extension and Human Resource Development, Ministry of Marine Affairs and Fisheries (MMAF), Indonesia

• Supported by:

Fourth Institute of Oceanography, MNR, China
Decade Collaborative Center on Ocean-Climate Nexus and Coordination Amongst Decade Implementing Partners in P.R. China (DCC-OCC)

AGENDA Main Forum

November 28, 2024 (Thursday) 08:00 – 13:00

08:00 – 08:50 Registration

Plenary Session

Opening Ceremony (Auditorium, 3rd Floor)

Moderator: Ms. Danhong Chen, Director General of International Cooperation Department, Ministry of Natural Resources, China

09:00 – 09:05 Welcoming remarks by Mr. Laksana Tri Handoko, Chairman, National Research and Innovation Agency (BRIN), Indonesia

09:05 – 09:10 Welcoming remarks by Mr. Shuxian Sun, Vice Minister, Ministry of Natural Resources (MNR), China

Moderator: Ms. Maftuha Rifka Auliya, Bureau for Legal and Cooperation, BRIN

09:10 – 09:15 MOU Signing ceremony between BRIN and MNR

09:15 – 09:20 Unveiling ceremony of Indonesia-China Center for Ocean and Climate

09:20 – 09:25 Achievement release (Ocean and Climate Early Warning Universal System (OCEANUS) in Southeast Asia)

09:25 – 09:30 Initiative release (China-Southeast Asia Coral Reef Conservation and Restoration Alliance Initiative)

Keynote Speech (Auditorium, 3rd Floor)

Moderator: Prof. Tiegang Li, Director General of First Institute of Oceanography, MNR, China

09:30 – 09:50 Keynote speech by Prof. Fangli Qiao, Deputy Director General, First Institute of Oceanography, Ministry of Natural Resources, China
(Title: Let's Work Together for Prevention and Mitigation on Ocean to Climate Disasters)

09:50 – 10:10 Keynote speech by Dr. Nyoman Radiarta, Chairman, Agency for Marine and Fisheries Extension and Human Resource Development, Ministry of Marine Affairs and Fisheries, Indonesia
(Title: Implementation of Blue Economy Policies in Indonesia)

10:10 – 10:40 Group Photo & Coffee Break & Poster Display

Moderator: Dr. Suci Intan Nuthati, Director of Research Centre for Deep Sea, BRIN, Indonesia

10:40 – 11:00 Keynote speech by Dr. Vladimir Ryabinin, Former Executive Secretary of Intergovernmental Oceanographic Commission of UNESCO (online)
(Title: Ocean Science for Sustainability)

11:00 – 11:20 Keynote speech by Ms. Sumana Kajonwattanakul, Director of Marine and Coastal Resources Research and Development Institute, Ministry of Natural Resources and Environment, Thailand
(Title: Impacts of Marine Debris to Marine Resource and Ecosystem: the Challenge and Lesson Learned in Thailand)

11:20 – 11:40 Keynote speech by Prof. Nor Aieni Haji Mokhtar, Former Chancellor of Universiti Malaysia Terengganu
(Title: International Marine Cooperation – Spotlight for Early Career Ocean Professionals)

11:40 – 13:00 Lunch (Auditorium, 3rd Floor)

12:20 – 13:00 Lunch Dialogue on Promoting UN Ocean Decade through Regional Cooperation (Auditorium, 3rd Floor)

12:30 – 13:00 Empowering Coastal Communities: The Blue Citizen Initiative in Action (JIRAP Meeting Room, 3rd Floor)

Parallel Sessions

- 14:00 – 18:00**
- Session 1:** Ocean and climate observation, forecasting, and services (13:00–18:00) (IPTEK Meeting Room, 3rd Floor)
 - Session 2:** Marine ecosystem protection, biodiversity conservation, and biotechnology development (JIRAP Meeting Room, 3rd Floor)
 - Session 3:** Marine geosciences and disaster mitigation (INOVASI Meeting Room, 3rd Floor)
 - Session 4:** Marine policy and management (RISET Meeting Room, 3rd Floor)
 - Session 5:** East Asia Summit workshop on developing coastal economy (Auditorium, 3rd Floor)

18:30 – 20:00 Dinner Banquet (Auditorium, 3rd Floor)

November 29, 2024 (Friday) 09:00 – 13:30

09:00 – 10:00 Five parallel sessions continued

Plenary Session

Moderators: Prof. Fangli Qiao, First Institute of Oceanography, MNR, China & Dr.Maria Dyah Nur Meinita, Jenderal Soedirman University, Indonesia

- 10:20 – 11:10** Session chairs report to the plenary (10 mins each)
- 11:10 – 11:30** Discussion on how to strengthen cooperation under the Ocean Decade Framework & Closing Remarks
- 11:30 – 12:30** Coffee Break and Poster Display
- 11:30 – 12:30** Lunch (Auditorium, 3rd Floor)

Session 1

Ocean and climate observation, forecasting and services

November 28–29, 2024
IPTEK Meeting Room, 3rd Floor

Conveners:
Intan Suci Nurhati, Research Center for Deep Sea, BRIN, Indonesia
Salvienty Makarim, Agency for Marine and Fisheries Extension and Human Resource Development, MoMAF, Indonesia
Chang Zhao, First Institute of Oceanography, MNR, China

November 28, 2024 (Day 1) 13:00–18:00

13:00–13:30 Registration and Welcome Remarks

Part 1: Ocean Climate Change

- 13:30–13:45** A decade study of Indian–Pacific ocean exchange and its role in climate (Invited Report)
Dongliang Yuan, First Institute of Oceanography, Ministry of Natural Resources, China
- 13:45–14:00** Understanding Upwelling Process Related to Productive Ocean, Fishery Production and Climate Variability: Case Study in Indonesia Waters (Invited Report)
Augy Syahailatua, Research Center for Oceanography, National Research and Innovation Agency, Indonesia
- 14:00–14:12** South Pacific water intrusion into the sub-thermocline Makassar Strait in the winter of 2016–2017 following a super El Niño
Mingting Li, School of Marine Sciences, Sun Yat-sen University, China
- 14:12–14:24** A new sea ice cover regime emerging in the Bering Sea
Weibo Wang, Third Institute of Oceanography, Ministry of Natural Resources, China

14:24–14:36 Variability of Surface Freshwater Transport in Indonesian Throughflow Pathway during 1998–2001 and 2020–2023 Triple-Dip La Niñas
Agus Setiawan, Research Center for Deep Sea, National Research and Innovation Agency, Indonesia

14:36–14:48 Seasonal reversal of mesoscale eddy polarities in marginal seas of the West Pacific
Lingling Xie, Guangdong Ocean University, China

Part 2: Ocean Observation

14:48–15:03 Towards an integrated, cost-effective and efficient coastal ecosystem monitoring strategy for developing countries (Invited Report)
Subrata Sarker, Department of Oceanography, Shahjalal University of Science and Technology, Bangladesh

15:03–15:18 On Near Inertial Mixing in The Banda Sea (Invited Report)
Albert Sulaiman, Research Center for Climate and Atmosphere, National Research and Innovation Agency, Bandung, Indonesia

15:18–15:30 Amplitude Modulations of Seasonal Variability in the Karimata Strait throughflow
Shujiang Li, First Institute of Oceanography, Ministry of Natural Resources, China

15:30–15:42 Comparison of tidal currents in the Sunda Strait using various models and HF radar
Subekti Mujiasih, National Research and Innovation Agency, Indonesia

15:42–15:54 Atmospheric and oceanic parameters observed by a metocean buoy in the southern South China Sea
Wee Cheah, Universiti Malaya, Malaysia

15:54–16:06 Utilization of Drifting Buoys for Ocean Current Monitoring: Trajectory Mapping in the Segara Anakan Lagoon Area
Rizqi Rizaldi Hidayat, Department Marine Science, Jenderal Soedirman University, Indonesia

16:06–16:30 Coffee break and Group Photo

Part 3: Ocean Model and Forecasting System

16:30–16:45 Ocean Seamless Forecasting: Regional Partnership in developing multi-hazard early warning system (Invited Report)
Mohd Fadzil Mohd Akhir, Institute of Oceanography and Environment, Universiti Malaysia Terengganu, Malaysia

16:45–17:00 Seawater based Electricity Production in the Coastal Area of Bangladesh (Invited Report)
K M Azam Chowdhury, University of Dhaka, Bangladesh

17:00–17:15 Toward an application of Ocean Forecast System in early warning coral bleaching in Thailand coastal seas (Invited Report)
Chalermrat Sangmanee, Department of Marine and Coastal Resources, Thailand

17:15–17:27 Numerical Study on the Circulation in the Gulf of Thailand and Its Seasonal Water Exchange with the South China Sea
Changshui Xia, First Institute of Oceanography, Ministry of Natural Resources, China

17:27–17:39 Preliminary Results on The Application of FIO–OFS For Detecting Coral Heat Stress In Indonesia Seas
Dwiyoğa Nugroho, Research Centre for Oceanography, National Research and Innovation Agency, Indonesia

17:39–17:51 Operational ocean forecasting services in China
Zhang Zhihua, National Marine Environmental Forecasting Center/Tsunami Warning Center Ministry of Natural Resources, China

17:51–18:03 Observing and forecasting ocean acidification: multi-annual carbonate system dynamic in the Sunda Shelf Sea
A'an Johan Wahyudi, Research Center for Oceanography, National Research and Innovation Agency, Indonesia

November 29, 2024 (Day 2) 08:30–10:30

Part 4: Ocean Acidification and Ecology

- 08:30–08:45** A Three-Dimensional Structure of Salinity Anomalies Induced by Tropical Cyclones (Invited Report)
Dongxiao Wang, School of Marine Sciences, Sun Yat-Sen University, China
- 08:45–09:00** Effects of El Niño–Southern Oscillation, Monsoons, and Indian Ocean Dipole on Spatial and Temporal Variations of Surface Chlorophyll-a in the Gulf of Thailand and Andaman Sea (Invited Report)
Anukul Buranaprathepra, Department of Aquatic Science, Faculty of Science, Burapha University, Chonburi, Thailand
- 09:00–09:12** Understanding Marine Heatwaves in the Bay of Bengal: Progresses and Future Endeavors
Yun Qiu, Third Institute of Oceanography, Ministry of Natural Resources, China
- 09:12–09:24** Dynamics of the primary productivity in the Banda Sea: the role of the physical processes
Faisal Hamzah, Research Centre for Oceanography, National Research and Innovation Agency, Indonesia
- 09:24–09:36** Biogeochemical responses to the dynamic processes associated with the Equatorial Undercurrent in the tropical Eastern Indian Ocean
Qinsheng Wei, First Institute of Oceanography, Ministry of Natural Resources, China
- 09:36–09:48** Effect of pH Changing on dissolved Inorganic Trace Metal Distribution at Tropical Coastal Water
Khairul Nizam Mohamed, Department of Environment, Faculty of Forestry and Environment, Universiti Putra Malaysia, Malaysia
- 09:48–10:00** Navigating the Future of Ocean Data in Indonesia: Bridging Gaps and Unlocking Access
Ghelby Muhammad Faid, Komitmen Research Group, Indonesia

Session 2

Marine ecosystem protection, biodiversity conservation and biotechnology development

November 28–29, 2024
JIRAP Meeting Room, 3rd Floor

Conveners:
Xuele Zhang, First Institute of Oceanography, MNR, China
Udhi Eko Hernawan, Research Center for Oceanography, BRIN, Indonesia
Riyanti, Jenderal Soedirman University, Indonesia

November 28, 2024 (Day 1) 14:00–18:00

- 14:00–14:15** Conservation of Marine Endangered Species in the Indo-Pacific Convergence Area
Shenghao Liu, First Institute of Oceanography, Ministry of Natural Resources, China
- 14:15–14:30** Designation of Marine Protected Areas: A Case Study of Local Community Perception in Kep Province, Cambodia
Dara Sum, Department of Coastal Zone and Marine Conservation, Ministry of Environment, Cambodia
- 14:30–14:45** A Description of Physicochemical and Biological Characteristics of Marine Waters on Small Islands in Southwest Maluku, Indonesia
Iis Triyulianti, National Research and Innovation Agency, Indonesia
- 14:45–15:00** SMART Perception of Marine Ecosystems
Xuele Zhang, First Institute of Oceanography, Ministry of Natural Resources, China
- 15:00–15:15** Habitat use of Indo-pacific humpback dolphins, *Sousa chinensis*, in Khanom–Donsak Bay, Thailand
Watchara Sakornwimon, Marine and Coastal Research and Development Institute, Ministry of Natural Resources and Environment, Thailand

- 15:15-15:30** Impact of Urban Development on Marine Dynamics: A Study of Chlorophyll-a and Phytoplankton in Balikpapan Bay, Indonesia
Iwan Pramesti Anwar, Faculty of Earth Sciences and Technology, Bandung Institute of Technology, Indonesia
- 15:30-15:45** Resilience in peril: can coral reefs survive consecutive extreme events in a protection zone?
Xijie Zhou, Third Institute of Oceanography, Ministry of Natural Resources, China
- 15:45-16:00** Regeneration and growth of horizontally fragmented anthocyathus and anthocaulus of coral *Fungia* fungites (Fungiidae, Scleractinia) under different Light spectrum and intensities
Widiastuti, Department of Marine Science, Faculty of Marine and Fisheries, Universitas Udayana, Indonesia
- 16:00-16:15** Multi-annual change of Jakarta Bay's carbonate system
Camellia Tito, National Research and Innovation Agency, Indonesia
- 16:15-16:30** Observation and ocean modelling of Balikpapan Bay to support strategic plan of Nusantara Capital City development
Mutia Rachmat Putri, Faculty of Earth Science and Technology, Institute of Technology Bandung, Indonesia
- 16:30-16:45** Physical drivers of *Noctiluca scintillans* (Dinophyceae) blooms outbreak in the northern Taiwan Strait: A numerical study
Haifeng Gu, Third Institute of Oceanography, Ministry of Natural Resources, China
- 16:45-17:00** Benthic harmful dinoflagellate community in coral reef ecosystem of Perhentian Island, Malaysia
Po Teen Lim, Bachok Marine Research Station, Institute of Ocean and Earth Sciences, University of Malaya, Malaysia
- 17:00-17:15** Food safety concerns to Indonesian bivalve molluscs and the potential risk to human health
Dwiyitno, National Research and Innovation Agency, Indonesia

- 17:15-17:30** Spatial distribution of total petroleum hydrocarbon (TPHs) in sediments of three bays in Lombok Island, Indonesia
Deny Yogaswara, National Research and Innovation Agency, Indonesia
- 17:30-17:45** Long-term trend analysis of the summer hypoxia off the Changjiang Estuary and compounding severe events with El Niño
Feng Zhou, Second Institute of Oceanography, Ministry of Natural Resources, China
- 17:45-18:00** Do mangroves benefit the carbon sequestration in their adjacent seagrass meadows
Guangcheng Chen, Third Institute of Oceanography, Ministry of Natural Resources, China
- 18:00-18:15** Temporal heterogeneity of phytoplankton diversity in the Beibu Gulf and its application to marine zonation
Feiyang Ge, South China Sea Ecological Center, Ministry of Natural Resources, China

November 29, 2024 (Day 2) 09:00-10:00

- 09:00-09:15** Bioprospecting nudibranch-symbiotic bacteria from the waters of Kapoposan, North Sulawesi, Indonesia, for bioactive compounds and bioproducts with therapeutic applications
Ira Handayani, National Research and Innovation Agency, Indonesia
- 09:15-09:30** Diversity of associated microorganisms and exploration of polysaccharide degrading enzymes on surface of Macroalgae
Jiang Li, First Institute of Oceanography, Ministry of Natural Resources, China
- 09:30-09:45** Metabolomic analysis of *Galbibacter* sp. PAP.153 isolated from Indonesian marine sponge
Riyanti, Jenderal Soedirman University, Indonesia
- 09:45-10:00** Marine Biodiversity of Guangxi Zhuang Autonomous Region, China
Jinyu Xie, Guangxi Oceanic Administration, China

Session 3

Marine geosciences and disaster mitigation

INOVASI Meeting Room, 3rd Floor
November 28–29, 2024

Conveners:

Xuefa Shi, First Institute of Oceanography, MNR, China
Adrin Tohari, Research Center for Geological Disaster, BRIN, Indonesia
Che Abd Rahim Bin Mohamed, The National University of Malaysia

November 28, 2024 (Day 1) 14:00–18:00

- 14:00–14:15** Biogenic elements in the suspended particles and surface sediments of Kelantan and Pahang Deltas, Malaysia (Invited Talk)
Che Abd Rahim Mohamed, The National University of Malaysia, Malaysia
- 14:15–14:30** Marine geology at the Upper Gulf of Thailand and its sister impacts (Invited Talk)
Niran Chaimanee, Department of Marine and Coastal Resources, Thailand
- 14:30–14:45** Coastal Freshwater Resources: Groundwater Extraction and River Regulation Effects on the Coastal Zone
Xingyong Xu, Fourth Institute of Oceanography, Ministry of Natural Resources, China
- 14:45–15:00** Distribution and burial of sedimentary organic carbon in the eastern China seas
Shuqing Qiao, First Institute of Oceanography, Ministry of Natural Resources, China
- 15:00–15:15** Development and the application of the China's Ocean Satellites
Bin Zou, National Satellite Ocean Application Service, China
- 15:15–15:30** Changes in accumulation of land-based organic matter under recent climate change and anthropogenic impact: A tropical coastal perspective
Limin Hu, Ocean University of China, China

- 15:30–15:45** Can we distinguish provenance by difference of shape characteristics of suspended sediment particle?
Jian Chen, Third Institute of Oceanography, Ministry of Natural Resources, China
- 15:45–16:00** Coffee break
- 16:00–16:15** Mapping sediment type of the South China Sea (Invited Talk)
Xuefa Shi, First Institute of Oceanography, Ministry of Natural Resources, China
- 16:15–16:30** Physical and biogeochemical factors act as controlling factors on the distribution of dissolved methane in Arctic Ocean summertime
Oanh Thi Ngoc Bui, Vietnam National University, Vietnam
- 16:30–16:45** Riverine sediment geochemistry and its dispersal pattern on the western Sunda Shelf
Nicholas Chia Wei Ng, Tongji University, China
- 16:45–17:00** Assessment of geochemical accumulation and anthropogenic enrichment of heavy metals in Jakarta Bay sediment
Idha Ikhsani, National Research and Innovation Agency, Indonesia
- 17:00–17:15** Suspended sediment transport along tropical river catchment-estuary-coastal shelf system
Aijun Wang, Third Institute of Oceanography, Ministry of Natural Resources, China
- 17:15–17:30** Progress in the study of North Pacific Intermediate Water Evolution during the Late Quaternary
Jianjun Zou, First Institute of Oceanography, Ministry of Natural Resources, China
- 17:30–17:45** Analyze the dynamics of seiches and harbour oscillations caused by the Hunga Tonga-Hunga Ha'apai tsunami
Zulfa S Zakia, Jendral Soedirman University, Indonesia
- 17:45–18:00** Rare Earth Element Geochemistry of Kelantan and Pahang River Fluvial Sediments
Abdul Hafidz Yusoff, Universiti Malaysia Kelantan

November 29, 2024 (Day 2) 09:00–10:00

- 09:00–09:15** Understanding the fluctuation of past upwelling from three sites in the Indonesian Seas (Invited Talk)
Rina Zuraida, National Research and Innovation Agency, Indonesia
- 09:15–09:30** Sources and processes affecting the seawater Nd isotope compositions in the Western Equatorial Pacific during 2017–2018
Wei Wang, Tongji University, China
- 09:30–09:45** Silicate weathering and CO₂ consumption records in the southern South China Sea since the last deglaciation
Chao Li, Tongji University, China
- 09:45–10:00** Taiwan Strait: An ocean-current-dominated shallow-water setting with a river-fed detached muddy contourite deposit
Xin Shan, First Institute of Oceanography, Ministry of Natural Resources, China

Session 4

Marine Policy and Management

November 28–29, 2024
RISET Meeting Room, 3rd Floor

Conveners:
Zhiwei Zhang, First Institute of Oceanography, MNR, China
Wahyu Widodo Pandoe, Chair of Executive Committee for IOC-UNESCO Program
Ir. I Nyoman Suyasa, Jakarta Polytechnic University of Fisheries, Indonesia

November 28, 2024 (Day 1) 14:00–18:00

- 14:00–14:20** DCC-OCC's Strategy Development Plan supporting Southeastern Asian Regional Marine Cooperation
Weidong Yu, Sun Yat-Sen University, Zhuhai, China
- 14:20–14:40** Scenario Development for Sustainable Marine Tourism: The Case of Super Priority Marine Tourism Destination (SPMTD) of Labuan Bajo, Indonesia
Suharyanto, Ministry of Marine Affairs and Fisheries, Indonesia
- 14:40–15:00** Social-Ecological System Approach to Fisheries Management and Ocean Governance in Indonesia – Some Empirical Studies
Luky Adrianto, Bogor Agricultural University, Indonesia
- 15:00–15:12** Habitat-use-based spatial planning: an overlooked aspect in Indonesian Marine Spatial Planning
Achmad Sahri, National Research and Innovation Agency, Indonesia
- 15:12–15:24** UN21: Accelerate Marine Spatial Planning in the Western Pacific
Chen Ma, First Institute of Oceanography, Ministry of Natural Resources, China
- 15:24–15:36** The Ecosystem-Based Management (EBM) policy making
Johan Risandi, National Research and Innovation Agency, Indonesia

- 15:36-15:48** Development Path of Island Ecotourism Based on Human-Sea Interaction
Fenggui Chen, Third Institute of Oceanography, Ministry of Natural Resources, China
- 15:48-16:00** Typical Cases of Blue Carbon Ecological Protection in Guangxi, China
Wendan Mu, Fourth Institute of Oceanography, Ministry of Natural Resources, China
- 16:00-16:12** Coastal Protection Strategy in National Asset Zones Against Disasters Utilizing Hybrid Engineering Approaches
Khusnul Setia Wardani, National Research and Innovation Agency, Indonesia
- 16:12-16:36** Coffee break
- 16:36-16:48** Enabling Marine Spatial Planning Governance in Thailand
Sakanan Plathong, Prince of Songkla University, Thailand
- 16:48-17:00** Assessing the Sustainability of Indonesia's Red Snapper Fishery in the Arafura and Timor Sea: A Triple Bottom Line Review Using Fishery Performance Indicators
Kamaluddin Kasim, Bandung Institute of Technology, Indonesia
- 17:00-17:12** Formulating an Integrated Policy Approach: Marine Spatial Planning and DPSIR for Eutrophication Control in Malaysia
Sazlina Salleh, University Sains Malaysia, Malaysia
- 17:12-17:24** Facilitating Coastal Erosion along the Shoreline of Naic and Ternate, Cavite, through Adaptive Approach
Anabelle Cayabyab, Environment and Natural Resources Office, Provincial Government of Cavite, Philippines
- 17:24-17:36** Constraints-Innovations and Driving Factor of Lobster Aquaculture with A Bibliometric Approach
I Nengah Putra Winata, Bandung Institute of Technology, Indonesia
- 17:36-17:48** Some Information of the policies, law, regulations and conservations related to Integrated Coastal Zone Management (ICM) of Myanmar
Nang Mya Han, Marine Science Department, Myeik University, Myanmar

- 17:48-18:00** Examining the Role of Indonesian Fishing Ports in Contributing to Ocean Plastic Pollution: A Comprehensive Review
Tri Yuwono, Ministry of Marine Affairs and Fisheries, Indonesia

November 29, 2024 (Day 2) 09:00-10:00

- 09:00-09:12** Mutual recognition of marine standards and sharing of Ocean Best Practices
Lingling Yuan, National Center of Ocean Standards and Metrology, China
- 09:12-09:24** Assessing the Ocean Health Index Framework by Addressing Data Gaps for Effective Marine Protected Areas Management
Freshty Yulia Arthatiani, Ministry of Marine Affairs and Fisheries, Indonesia
- 09:24-09:36** The Role of International Cooperation in Marine Eco-Environmental Protection under the Vision of a Maritime Community of Shared Future: China's Policies, Practices and Prospects
Gang Luo, China Institute for Marine Affairs, Ministry of Natural Resources, China
- 09:36-09:48** Promoting Blue Economy through Research and Development on Small Islands: From Concept to Implementation
Zainal Arifin, Research Centre for Oceanography, BRIN, Indonesia
- 09:48-10:00** Carbon Footprint of Purse Seine Fishing Vessels at Cilacap Fishing Port
Syamdidi, Ministry of Marine Affairs and Fisheries, Indonesia

Session 5

East Asia Summit Workshop on Coastal Economy Development

November 28–29, 2024
BRIN Auditorium, 3rd Floor

Conveners:

Wei Zheng, Ocean Decade International Cooperation Center, China
Maria Dyah Nur Meinita, Jenderal Soedirman University, Indonesia

November 28, 2024 (Day 1) 13:40–17:30

13:40 –14:00 Guest Arrival

14:00 –14:20 **Stage 1: Guest Speeches**

Moderator: Wei Zheng, Executive Director of Ocean Decade International Cooperation Center

14:00 –14:05 Welcome Speech by Danhong Chen, Director of the International Cooperation Department, Ministry of Natural Resources, China

14:05 –14:10 Welcome Speech by Haixia Xie, Minister–Counsellor of the Mission of the People’s Republic of China to the Association of Southeast Asian Nations (ASEAN)

14:10 –14:15 Welcome Speech by Mego Pinandito, Deputy Chairman of Policy Development, National Research and Innovation Agency, Indonesia

14:15 –14:20 Welcome Speech by Yali Zhao, Vice President of the Pacific Economic Cooperation Council China National Committee

14:20 –14:25 **Stage 2: Initiative Announcement**

Moderator: Wei Zheng, Executive Director of Ocean Decade International Cooperation Center

14:20 –14:25 Initiative Announcement – Promote China–Southeast Asia Marine Industry Innovation Cooperation
Haoyu Zang, Deputy District Mayor of Qingdao West Coast New Area, Director of the Management Committee of the Ocean Decade International Cooperation Center, China

14:25 –16:40 **Stage 3: Keynote Speeches**

Moderator: Maria Dyah Nur Meinita, Professor of Jenderal Soedirman University, Indonesia

Wei Zheng, Executive Director of Ocean Decade International Cooperation Center

14:25 –14:40 How to support coastal economic development by better measuring the Ocean economy
Weiling Song, Deputy Director of the Marine Economy Research Office of National Marine Data and Information Service, China

14:40 –14:55 Enhancing Coastal Economy through Essential Ocean Variables
A’an Johan Wahyudi, Principal Research Scientist of National Research and Innovation Agency, Indonesia

14:55 –15:10 From Nearshore to Offshore, Relaying for Land–Sea Aquaculture: Practice of Modern Marine Ranching in Guangdong Province, China
Lei Wang, Deputy Director of the Third Institute of Planning of Guangdong, Urban–Rural Planning and Design Research Institute Technology Group Co., Ltd., China

15:10 –15:25 Marine Aquaculture in Malaysia
Noor Hasmayana Yahaya, Head of the Marine Aquaculture Section of the Aquaculture Division of the Department of Fisheries, Malaysia

15:25 –15:40 Research on Key Technologies for the Development and Utilization of Fucoxanthin from Kelp
Xiaomin Xi, Doctor of the Engineering Innovation Center for the Development and Utilization of Marine Bioresources, Third Institute of Oceanography, Ministry of Natural Resources, China

15:40 –15:55 Seaweed Blue Economy: Potential and Challenge of Seaweed Development in Indonesia
Maria Dyah Nur Meinita, Professor of Jenderal Soedirman University, Indonesia

15:55 – 16:10 Improving the high-value utilization of Indonesian red algae resources and making more contributions to building a community with a shared future for mankind
Yang Wu, Vice president of Qingdao Gather Great Ocean Algae Industry Group Co., Ltd., China

16:10 – 16:25 Current Status of Ocean Renewable Energy Research in Indonesia
Erwandi Erwandi, Researcher of Research Center for Hydrodynamic Technology, National Research and Innovation Agency, Indonesia

16:25 – 16:40 The Role of Seagrass Ecosystems in Blue Carbon for Sustainable Blue Economy Development in Thailand
Tipamat Upanoi, Director of Phuket Marine Biological Center, Marine and Coastal Resources Research and Development Institute, Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment, Thailand

16:40 – 16:55 Coffee Break

16:55 – 17:25 **Stage 4: Roundtable Discussion**
How to promote communication and cooperation in ocean economy under the framework of the United Nations “Decade of Ocean Science for Sustainable Development”

Moderator: Maria Dyah Nur Meinita Professor of Jenderal Soedirman University, Indonesia
Discussant:

- Tharika Chheng, Chief of the Research and Development Office of the Department of Science and Technology of Ministry of Environment, Cambodia
- Jie Yu, Director of Institute of Natural Carbon Sink, China
- Erwandi Erwandi, Researcher of Research Center for Hydrodynamic Technology, National Research and Innovation Agency, Indonesia
- Yongchun Fan, Deputy General Manager of China Energy Engineering Group Guangdong Electric Power Design Institute Co., Ltd., China
- Buntora Pasaribu, Doctor of the Department of Marine Science of Universitas Padjadjaran, Indonesia

• Jian Zhang, Executive Vice President of Qingdao Bright Moon Seaweed Group Co., Ltd., China

• Zhongcheng Zeng, Chairman of Fuzhou Dahua Smart Technology Co., Ltd., China

17:25 – 17:30 Closing Remark

November 29, 2024 (Day 2)

Attend the 8th China-Southeast Asian Countries Marine Cooperation Forum

Special Event 1

Promoting UN Ocean Decade through Regional Cooperation

The lunch event, hosted by the Decade Collaborative Center on Ocean-Climate Nexus and Coordination Amongst Decade Implementing Partners in P.R. China (DCC-OCC), aims to convene Southeast Asia Ocean Decade actions. Focusing on the Ocean Decade vision, the event will explore strategies to advance sustainable ocean development within the region. By promoting policy coordination and

collaborative actions, this event will support the implementation of Ocean Decade objectives and foster deeper cooperation between Southeast Asia and China in ocean and climate. Representatives and experts from the Ocean Decade actions in Southeast Asia will be invited to participate in the meeting. The meeting will consist of opening speeches, reports on the Ocean Decade and discussions parts.

Agenda

Time: November 28th, 2024, 12:20-13:00

Venue: Auditorium, 3rd Floor, BRIN Headquarters

12:20-12:25	Opening Remarks
12:25-12:30	DCC-OCC: Report on the Collaborative Center and
12:30-12:35	Ocean Decade progress
12:35-12:40	BMKG representative: Report on Ocean Decade actions in Southeast Asia (tentative)
12:35-12:40	SEE Foundation The situation of the Director Fund
12:40-12:55	Discussion: Opportunities for Collaboration in Southeast Asia under the Ocean Decade Framework (15 minutes) (tentative)
12:55-13:00	Conclusion (5 minutes)

Special Event 2

Empowering Coastal Communities: The Blue Citizen Initiative in Action

Background:

The Blue Citizen Initiative aims to foster ocean literacy, conservation, and sustainable ocean practices by promoting responsible ocean stewardship aligned with UN Sustainable Development Goal 14: Life Below Water. As a regional collaborative effort, the initiative will be introduced as a side event

at the 8th China-Southeast Asian Countries Marine Cooperation Forum in Jakarta. This forum provides an ideal platform to launch the Blue Citizen Kick-Off event, strengthening regional partnerships and setting the stage for impactful community engagement.

Objectives:

The main objectives of the Blue Citizen Kick-Off event are to:

- 1. introduce the Blue Citizen concept and its relevance to sustainable ocean management;
- 2. foster international cooperation and policy coordination on ocean conservation;
- 3. engage diverse stakeholders in promoting ocean literacy and conservation practices;
- 4. mobilize resources and establish a network of Blue Citizens to drive sustainable development in the region.

Expected Outcomes:

- 1. increased awareness and understanding of the Blue Citizen Initiative among regional stakeholders;
- 2. strengthened partnerships between government, research institutions, and the private sector;
- 3. formation of an action-oriented Blue Citizen Network to support sustainable ocean practices;
- 4. enhanced commitment from participants to support ocean conservation and literacy programs in their respective communities.

Stakeholders and Roles:

- TIO: Provide insight on international partnerships and support for coastal resilience.
- BRIN: Lead efforts in research, data collection, and capacity building in sustainable ocean practices.
- Local Government (Tangerang): Share local policy experiences and commitment to community engagement.
- MOMAF Indonesia: Provide national-level support and alignment with Indonesia's marine policies.
- Youth Representatives: Encourage youth engagement in conservation efforts.

Agenda

Time: November 28th, 2024, 12:30-13:00

Venue: JIRAP meeting room, 3rd Floor

- | | |
|----------------------|---|
| 12:30 – 12:34 | Opening Remarks
Welcome remarks by Host & Introduction to Blue Citizen Initiative |
| 12:34 – 12:37 | Speech by TIO Representative
TIO's perspective on coastal resilience and international cooperation |
| 12:37 – 12:40 | Speech by BRIN Representative
BRIN's role in supporting the initiative and research for sustainable coastal management |
| 12:40 – 12:43 | Speech by Tangerang District Representative
Local government's (represented by Bappeda) commitment to community engagement and environmental stewardship |
| 12:43 – 12:46 | Speech by MOMAF Indonesia Representative
Importance of marine and coastal management in Indonesia's future |
| 12:46 – 12:49 | Speech by Student/School Representative
Youth perspective on coastal protection and excitement for involvement |
| 12:49 – 12:53 | Video Showcase
Short video on community involvement and coastal conservation efforts |
| 12:53 – 13:00 | Closing & Group Photo |

SERVICE INFORMATION

Forum Venue

BRIN Headquarters, Indonesia
Auditorium, 3rd Floor – Main Forum, Lunch Dialogue, Session 5
IPTEK Meeting Room, 3rd Floor – Session 1
JIRAP Meeting Room, 3rd Floor – Session 2, Side Event
INOVASI Meeting Room, 3rd Floor – Session 3
RISET Meeting Room, 3rd Floor – Session 4

Organizers

First Institute of Oceanography, Ministry of Natural Resources, China

Li Li, Department of International Cooperation
Lin Zhou, Department of International Cooperation
Yiyun Peng, Department of International Cooperation

Local Organizers

National Research and Innovation Agency, Indonesia

Intan Suci Nurhati, Research Center for Deep Sea,
Agus Setiawan, Research Center for Deep Sea
Dewi Seswita Zilda, Research Center for Deep Sea

Institute of Research and Community Services Jenderal Soedirman University, Indonesia

Elly Tugiyanti	Roy Andreas
Riyanti	Rizqi Rizaldi Hidayat
Mukti Trenggono	

DINING

November 28, 2024 (Thursday)

Lunch: Auditorium, 3rd Floor, BRIN headquarters, Jakarta (11:40 – 13:00)
Dinner Banquet: Auditorium, 3rd Floor, BRIN headquarters, Jakarta (18:30 – 20:00)

November 29, 2024 (Friday)

Lunch: Auditorium, 3rd Floor, BRIN headquarters, Jakarta (12:30 – 13:30)

HOTEL

Sari Pacific Jakarta, Autograph Collection by Marriott International

Address: Sari Pacific Jakarta, Jl. M.H. Thamrin No.6, RW.1, Menteng, Central Jakarta, Jakarta, Special Capital Region of Jakarta, 10340

Tel: +62-21-29932888

Email: refly.saputro@saripacificjakarta.com

Public transit

SubwayBundaran HI 800 m

TrainGondangdia 1.7 km

TrainGambir Train Station 1.9 km

SubwayDukuh Atas 2 km

BusHalte Transjakarta Kota 6 km

Closest Airports

Halim Perdanakusuma International Airport 25 km

Soekarno-Hatta International Airport 25 km



Four Points by Sheraton Jakarta, Thamrin

Address: Four Points by Sheraton Jakarta, Jalan M.H. Thamrin, Kav. 9, Jakarta, Jakarta, Indonesia, 10350

Tel: +62 21-3902226

Public transport

MetroBundaran HI 650 m

TrainGondangdia 1.5 km

TrainTanah Abang 1.9 km

MetroDukuh Atas 1.5 km

BusHalte Transjakarta Kota 6 km

Closest airports

Soekarno-Hatta International Airport 25 km

Halim Perdanakusuma International Airport 25 km

