

## The 7<sup>th</sup> China-Southeast Asian Countries Marine Cooperation Forum Agenda October 26-27, Beihai, China

<b>October 26 (Tuesday), 2021</b>	
<b>Morning (UTC+8 9:00-11:50)</b>	
<b>Time</b>	<b>Program</b>
08:00-09:00	Registration
09:00-09:20	<b>Opening Ceremony</b> (1 <sup>st</sup> Floor, Beibu Gulf Grand Ballroom 一楼北部湾宴会厅) <i>Host: Zhanhai Zhang, Chief Engineer, Ministry of Natural Resources, China</i>
	Welcoming remarks by H. E. Dr. Hong Wang, Vice Minister of Ministry of Natural Resources, China
	Opening speech by H. E. Dr. Pornsri Suthanaruk, Deputy Director General of Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment, Thailand
	Opening speech by H.E. Mr. Shiyong Huang, Vice Governor of Guangxi Zhuang Autonomous Region of China
09:20-09:50	Group Photo & Coffee Break
<b>Plenary Session</b> <i>Host: Prof. Tiegang Li, Director General of First Institute of Oceanography, China</i>	
09:50-10:10	Keynote speech by Prof. Fangli Qiao, Deputy Director General of First Institute of Oceanography, China (Title: For A Predicted Ocean of UN Ocean Decade: Challenges and Solutions)
10:10-10:30	Keynote speech by Ms. Sumana Kajonwattanakul, Director of Marine and Coastal Research and Development Institute, Ministry of Natural Resources and Environment, Thailand (Title: Challenges in marine and coastal resources management in Thailand)
10:30-10:50	Keynote speech by Dr. Nyoman Radiarta, Director of Marine Research Center, Ministry of Marine Affairs and Fisheries, Indonesia (Title: The Variability of Natuna-Off-Shelf Current and Its Relation with Fisheries and Marine Resources: As a New Proposal of Indonesia-China Ocean-Climate Joint Research)
<i>Host: Dr. Li Li, Director of International Cooperation Department, First Institute of Oceanography, China</i>	
10:50-11:10	Keynote speech by Dr. Dao Viet Ha, Direct General of Institute of Oceanography, Vietnam Academy of Science and Technology, Vietnam (Title: Recent highlight researches in South China Sea from Vietnam--Marine Biology, Ecology and Environment)
11:10-11:30	Keynote speech by Dr. Aimee T. Gonzales, Executive Director, PEMSEA (Title: Ocean governance, science and technology - progress and challenges in the EAS region)
11:30-11:50	Keynote speech by the representative of Beihai Municipal People's Government (Title: Ecological Restoration Practice of Land and Sea Coordination and Active Implementation of Ocean Decade--Ecological Restoration Project of Beihai Coastal National Wetland)

	Park (Fengjiajiang Basin))		
<b>Afternoon (UTC+8 14:00-18:00): Parallel Sessions</b>			
<b>Session 1: Ocean and Climate Monitoring, Forecasting and Services</b> (2 <sup>nd</sup> Floor, Weizhou Island Function Room#1, 二楼涠洲岛多功能1号厅)			
<b>Convener: Nelly Florida Riama</b>			
14:00-14:30	The marine heatwaves variations in South China Sea (Invited Talk)	Weidong Yu	Sun Yat-Sen University, China
14:30-15:00	The challenging on the improvement of ocean forecasting system (Invited Talk)	Andri Ramdhani	Agency for Meteorology Climatology and Geophysics, Indonesia
15:00-15:15	Capacity building under UN Ocean Decade: Past and Future	Xunqiang Yin	First Institute of Oceanography, China
15:15-15:30	Climate and Ocean: Variability, Predictability and Change (CLIVAR)	Liping Yin	CLIVAR Office, China
15:30-15:45	Malaysian Meteorological Department Marine Weather Forecasting System	Diong Jeong-Yik	Malaysian Meteorology Department, Malaysia
15:45-16:00	Development of the operational marine environment forecast system of 21st-Century Maritime Silk Road	Guimei Liu/ Benxia Li	National Marine Environmental Forecasting Center, China
16:00-16:20	Coffee Break		
<b>Convener: Fredolin Tangang</b>			
16:20-16:35	Inter-annual variation of Malacca Strait throughflow and controlling mechanism	Chalermrat Sangmanee	Department of Marine and Coastal Resources, Thailand
16:35-16:50	Current understanding of marine heatwaves and future research needs in the Bay of Bengal	Yun Qiu/ Xinyu Lin	Third Institute of Oceanography, China
16:50-17:05	Evolution of extreme Indian Ocean Dipole in 2019 and its impact on forest fire in Indonesia	Iskhaq Iskandar	University of Sriwijaya, Indonesia
17:05-17:20	Hypoxia in the East China Sea: A rising ecosystem issue varying with multiple drivers	Feng Zhou	Second Institute of Oceanography, China
17:20-17:35	Observed seasonal and tidal variability of sea level and current on Andaman Shelf	Chalermrat Sangmanee	Department of Marine and Coastal Resources, Thailand
17:35-17:50	Storm Surge Modeling in the Southern of Java using Coupled 4D-VAR Circulation-Waves Model	Khafid Rizki Pratama	Agency for Meteorology Climatology and Geophysics, Indonesia

**Session 2: Marine Biodiversity and Ecosystem Protection**  
(2<sup>nd</sup> Floor, Weizhou Island Function Room#2, 二楼涠洲岛多功能 2 号厅)

**Conveners: Kongkiat Kittiwatanawong, Xuelei Zhang**

14:00-14:15	Assessing the genetic diversity of zooxanthellae associated with host coral species in Perhentian Island	Po Teen Lim	University of Malaya, Malaysia
14:15-14:30	Expansion of emerging HABs in Asian waters--opportunity for more cooperation between China and ASEAN countries	Douding Lu	Fourth Institute of Oceanography, China
14:30-14:45	Hypoxia-inducing microalgae blooms in the coastal ecosystem of Malaysia	Kieng Soon Hii	University of Malaya, Malaysia
14:45-15:00	Hypoxia in Thai waters: A Case Study of the Upper Gulf of Thailand	Khanittha Uthaipan	Xiamen University, Thailand
15:00-15:15	Morphological study of <i>Carukiidae</i> (Cubozoa), <i>Pelagidae</i> and <i>Lobonemidae</i> (Scyphozoa), and <i>Physaliidae</i> (Hydrozoa) from the coastal along the Andaman Sea and the Gulf of Thailand	Isara Arsiranant	Department of Marine and Coastal Resources, Thailand
15:15-15:30	Genetic diversity of the venomous jellyfish in Thai seawaters	Jie Xiao	First Institute of Oceanography, China
15:30-15:45	Description of the marine food webs in Brunei Bay as indicated by stable isotopes analysis ( $\delta^{13}C$ and $\delta^{15}N$ )	Maizah Mohd Abdullah	Universiti Malaysia Terengganu, Malaysia
15:45-16:00	Effect of dietary lipid levels on replacing fish meal with soy protein concentrate in golden pompano <i>Trachinotus ovatus</i> diet	Xing Ren	Fourth Institute of Oceanography, China
16:00-16:15	Coffee Break		
<b>Conveners: Agung Dhamar Syakti, Sandric Leong Chee Yew</b>			
16:15-16:30	Genetic diversity of dugong ( <i>Dugong dugon</i> ) along the sea coasts of Thailand	Korakot Nganvongpanit	Chiang Mai University, Thailand
16:30-16:45	Solving mysteries of sea turtle life history in the South China Sea	Mohd Uzair Rusli	Universiti Malaysia Terengganu, Malaysia
16:45-17:00	Bryde's whales ( <i>Balaenoptera edeni</i> ) in the Upper Gulf of Thailand and the Beibu Gulf, Photo-ID comparison	Patcharaporn Yaowasooth	Department of Marine and Coastal Resources, Thailand
17:00-17:15	Auto-detection of marine mammals from drone photos based on deep learning	Lu Sun	First Institute of Oceanography, China
17:15-17:30	Smart Perception of the Marine Ecosystem	Xuelei Zhang	First Institute of Oceanography, China
<b>Conveners: Kongkiat Kittiwatanawong, Agung Dhamar Syakti, Sandric Leong Chee Yew, Xuelei Zhang</b>			
17:30-18:00	Discussion		

<b>Session 3: Marine Geological Processes and Disaster Reduction</b> (2 <sup>nd</sup> Floor, Xingdao Lake Function Room#1; 二楼星岛湖多功能 1 号厅)			
<b>Convener: Fernando Siringan</b>			
14:00-14:20	Source-to-sink transport processes of fluvial sediments in the South China Sea: Progress and prospect	Zhifei Liu	Tongji University, China
14:20-14:35	Incidences of severe coastal erosion on the east coast of Peninsular Malaysia: Case study of Kelantan Delta and Kuala Nerus seaside	Edlic Sathiamurthy	Universiti Malaysia Terengganu, Malaysia
14:35-14:50	Morphological change in the northern Red River Delta, under increasing human interferences	Bui Van Vuong	Institute of Marine Environment and Resources, Vietnam
14:50-15:10	Coral boulder transport and gravel bar formation by storms in Lumaniag village, Batangas, northwestern Philippines	Fernando Siringan	University of the Philippines, Philippines
15:10-15:30	Development of artificial mangrove belt barrier for alleviating the effects of future sea-level rise in the upper Gulf of Thailand	Thanawat Jarupongsakul	Chulalongkorn University, Thailand
15:30-15:45	Coastal Landforms caused by deposition and erosion along the shoreline of Myeik area, Tanintharyi Region, Myanmar	Soe Moe Lwin	Dagon University, Myanmar
15:45-16:00	China-ASEAN Cooperation in marine sedimentology: Progress and prospects	Xuefa Shi/ Xin Shan	First Institute of Oceanography, China
16:00-16:20	Coffee Break		
<b>Convener: Zhifei Liu</b>			
16:20-16:35	Dynamic processes of the curved subduction system in Southeast Asia	Weiwei Ding / Xiongwei Niu	Second Institute of Oceanography, China
16:35-16:50	Tsunami sources in active tectonic setting: lessons learned from tsunami occurrences across Indonesian Archipelago during last two decades	Nugroho D. Hananto	National Agency for Research and Innovation, Indonesia
16:50-17:05	Cenozoic magmatism in the South China Sea	Quanshu Yan	First Institute of Oceanography, China
17:05-17:20	Hydrocarbon accumulation in an active accretionary prism, a case study in the deepwater Rakhine Basin, Myanmar offshore	Xiwu Luan	Qingdao Institute of Marine Geology, China Geological Survey, China
17:20-18:00	Discussion		
<b>Session 4: Ocean Policy and Ocean Management</b> (2 <sup>nd</sup> Floor, Xingdao Lake Function Room#2; 二楼星岛湖多功能 2 号厅)			
<b>Convener: Zhiwei Zhang</b>			

14:00-14:20	An overview of the implementation of coastal and marine spatial planning in Indonesia: an opportunity and challenge	Ario Damar	Department of Aquatic Resources Management - IPB University, Indonesia
14:20-14:40	MSP initiative in Thailand	Sakanan Plathong	Prince Songkhla Univeristy, Thailand
14:40-15:00	MSPglobal International Guide on Marine Spatial Planning and regional suggestions	Zhiwei Zhang	First Institute of Oceanography, China
15:00-15:20	China Marine Spatial Planning Approach and Its Application in Cambodia	Xin Teng	National Ocean Technology Center, China
15:20-15:40	Key success for marine and coastal resources management in Thailand	Chanokphon Jantharakhantee	Department of Marine and Coastal Resources, Thailand
15:40-16:00	Scenario Analysis in Marine Spatial Planning under Climate Change: Present Applications, Challenges and Trends	Shenghui Li	Shanghai Jiao Tong University, China
16:00-16:20	Coffee Break		
<b>Convener: Sakanan Plathong</b>			
16:20-16:40	Marine Spatial Planning in Phang-Nga Bay, South of Thailand	Phongtheera Buapet	Prince Songkhla University, Thailand
16:40-17:00	Blue economy initiative in Trad province, eastern coast of Thailand	Suthep Jualaong	Department of Marine and Coastal Resources, Thailand
17:00-17:20	Nature-based Solution for Coastal Resilience through Dune Restoration	Jianhui Liu	Third Institute of Oceanography, China
17:20-17:40	Evaluation of fisheries subsidies in Aceh Province, Indonesia	Muhammad Taisir Afrian	Universitas Syiah Kuala, Indonesia
17:40-18:00	The Development and Deficiencies of National Marine Park in China and Suggestions for Improvement	Mingjun Zhang	Ocean University of China, China
<b>October 27 (Wednesday), 2021</b>			
<b>Morning (UCT+8 9:00-10:00): Parallel Sessions</b>			
<b>Session 1: Ocean and Climate Monitoring, Forecasting and Services</b> (2 <sup>nd</sup> Floor, Weizhou Island Function Room#1, 二楼涠洲岛多功能 1 号厅)			
<b>Convener: Daji Huang</b>			
9:00-10:00	Discussion		

<b>Session 2: Marine Biodiversity and Ecosystem Protection</b> (2 <sup>nd</sup> Floor, Weizhou Island Function Room#2, 二楼涠洲岛多功能 2 号厅)			
<b>Conveners: Agung Dhamar Syakti, Xuelei Zhang</b>			
09:00-09:15	The 1 <sup>st</sup> microplastic survey in offshore of Andaman coastal of Thailand	Phaothep Cherdsookjai	Department of Marine and Coastal Resources, Thailand
09:15-09:30	Microplastic research in the South China Sea and importance of protocol standardization	Chengjun Sun	First Institute of Oceanography, China
09:30-10:00	Discussion		
<b>Session 3: Marine Geological Processes and Disaster Reduction</b> (2 <sup>nd</sup> Floor, Xingdao Lake Function Room#1; 二楼星岛湖多功能 1 号厅)			
<b>Convener: Nugroho D. Hananto</b>			
09:00-09:15	Impact of climate change in the forests for Cambodia	Kim Soben	Royal University of Agriculture, Cambodia
09:15-09:30	Tropical mangrove channel meander of Sungai Kerteh, Peninsular Malaysia	Hasrizal Bin Shaari	Universiti Malaysia Terengganu, Malaysia
09:30-09:45	Seawater intrusion and blue economy in coastal areas	Xingyong Xu	Fourth Institute of Oceanography, China
09:45-10:00	Discussion		
<b>Session 4: Ocean Policy and Ocean Management</b> (2 <sup>nd</sup> Floor, Xingdao Lake Function Room#2; 二楼星岛湖多功能 2 号厅)			
<b>Conveners: Zhiwei Zhang, Sakanan Plathong</b>			
09:00-10:00	Discussion		
<b>October 27 (Wednesday), 2021</b>			
<b>Morning (UTC+8 10:00-12:00): Plenary Session</b>			
10:00-10:30	Coffee Break		
10:30-12:00	<b>Plenary Session</b> (1 <sup>st</sup> Floor, Beibu Gulf Grand Ballroom 一楼北部湾宴会厅) <i>Host: Fangli Qiao</i> <i>Co-hosts: Sumana Kajonwattanakul, Daji Huang</i>		
	1. Session chairs report to the plenary (each 10 minutes)		
	2. Discussion		

	3. Closing Remarks	
<b>Afternoon (UTC+8 14:30-17:30): ISC Meeting</b>		
14:30-17:30	<b>International Scientific Committee Meeting (By invitation only)</b>	Visit the campus of the Fourth Institute of Oceanography (voluntarily)*

\*Please contact Ms. Mingming Xie Tel: 17812166507