Fifth China-Southeast Asian Countries Marine Cooperation Forum



December 16-17, 2017

Kuala Lumpur, Malaysia

Hosted by:

Ministry of Science, Technology and Innovation of Malaysia (MOSTI)

State Oceanic Administration of China (SOA)

Co-Sponsor:

IOC Sub-Commission for the Western Pacific (WESTPAC)

Organizers:

University of Malaya (UM), Malaysia

First Institute of Oceanography (FIO), SOA

Recommendations of the Fifth China-ASEAN Countries Marine Cooperation Forum

Kuala Lumpur, Malaysia, 16-17 December 2017

- 1. The Fifth China-Southeast Asian Countries Marine Cooperation Forum was held in Kuala Lumpur, Malaysia on the 16th -17th December 2017 as part of an ongoing effort to strengthen the cooperation among China and Southeast Asian countries in the field of marine science and technology. The forum is jointly hosted by the State Oceanic Administration of China (SOA) and the Ministry of Science, Technology and Innovation of Malaysia. This forum is jointly organized between the University of Malaya and the First Institute of Oceanography, China. More than 100 delegates from various organization related to marine affairsof China, Cambodia, Indonesia, Thailand, Malaysia, Vietnam, Philippines and Brunei Darussalam,. The list of participants is appended as **Annex I**.
- 2. Four sessions were deliberated in this forum and they include: 1) Marine environment monitoring and services; 2) Marine biodiversity and ecosystem protection; 3) Marine biotechnology and blue economy and 4) Discussion on future marine cooperation. The program is attached as **Annex II.**
- 3. The forum shared strong common interests in areas including: ocean forecasting system (OFS) and disaster mitigation; influence of anthropogenic activities on marine environment; marine pollution and protection; climate change and climate-related phenomena such as monsoon; marine endangered species, biodiversity and ecosystem conservation; blue economy development and marine spatial planning. It underscored the importance of promoting and enhancing collaborative research and development activities in marine science and technology among Souhteast Asian Countries and China. The forum highlighted the essential role of marine scientific knowledge in addressing the aforementioned challenges to sustainable development, and further stressed the need to develop collaboration among Southeast Asian countries and China, particularly in ocean related issues in the Southeast Asian region and China.
- 4. During the opening ceremony, the launching of 'First Institute of Oceanography (FIO), SOA and the Institute of Ocean and Earth Sciences (IOES), University of Malaya (UM) Joint Centre of Marine Science & Technology' at the Bachok Marine Research Station was held.
- 5. The following recommendations were proposed in the spirit of enhancing marine science and technology cooperation:
 - a) Explore to establish a regional marine environmental portal to effectively share knowledge and information on marine science and technology.
 - b) To strengthen further collaborative research and development activities with a sustainable research funding mechanism in place.

- c) To increase capacity building especially gender equality with the aim of enhancing the knowledge-base, sharing expertise and promoting the transfer of skills and technology for sustainable development of marine and coastal resources
- d) Promote research in various flagship programmes including:
 - i) Marine environmental joint observation, monitoring, simulation and forecasting.
 - ii)) Risk reduction and marine disaster mitigation system to be shared between China and the Southeast Asian countries.
 - iii) Sustainable marine ecosystems and biodiversity.
 - iv) Marine biotechnology and Blue Economy.

It is further recommended that effective communication systems to the stakeholders and public in China and Southeast Asian countries should be established, to facilitate the sharing of benefits and information arising from the cooperation established under this forum. Pragmatic cooperation in marine governance for the common good of the region is also encouraged.

To explore mechanisms to strengthen the cooperation and coordination under regional and global auspices to enhance knowledge and capacity in the governance of our common ocean.

It is agreed that the next forum in 2018 will be hosted by China.

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Annex II

Fifth China-Southeast Asian Countries Marine Cooperation Forum Program

	December 16 (Saturday), 2017		
Time	Program		
0800	Registration		
0900	Opening Ceremony		
	Chair: Dato' Prof. Dr. Azizan ABU SAMAH, Dr. Fangli QIAO		
	Welcoming remarks by YBhg. Datuk Ir. (Dr.) Abdul Rahim HASHIM., Vice-Chancellor of Universiti		
	Malaya		
	Opening speech by H.E Mr. Shanqing LIN, Deputy Administrator of SOA		
	Opening speech by YB Datuk Wira Dr. Abu Bakar MOHAMAD DIAH Deputy Minister of MOSTI		
0930	Launching ceremony for the "FIO-UM Joint Center of Marine Science & Technology		
0940	Group photo and coffee break		
0050	Session 1: Marine environment monitoring and services		
0950	Co-chairs: Prof. Dr. Che Abd Rahim MOHAMED, Prof. Dr. Yue FANG		
	P1: Marine disaster forecasting and prevention in	Jian YU, SOA, China	
	China and the vision for cooperation		
	P2: Upwelling system and high productivity area in the	Mohd Fadzil MOHD AKHIR, UMT,	
	southern South China Sea	Malaysia	
	P3: Development and application of the operational	Bin XIAO, FIO, China	
	ocean forecasting system		
	P4: SST and salinity variability in the southeastern	Shengfa LIU, FIO, China	
	Andaman Sea and their implications for		
	paleoenvironmental evolution since the late		
	Pleistocene		
	P5: Understanding the influence of human activities on	Shan JIANG, ECNU, China	
	tropical watersheds from coast study		
	P6: Critical review of marine pollution studies in Riau	Agung Dhamar SYAKTI, RAHMU,	
	Islands Province, Indonesia: A propose locus for	Indonesia	
	research cooperation.	V FANC FIG Chin	
	P7: Monsoon variability in the southern South China	Yue FANG, FIO, China	
	Sea and cooperation opportunity on observation	Forefore WAN MADIC China	
	P8: Progress report on China-ASEAN marine big	Fangfang WAN, NMDIS, China	
	data sharing service platform	Asizon ARIJ CANAALI JINA Malaysia	
	P9: Monsoon as drivers of current and primary productivity of the South China Sea	Azizan ABU SAMAH, UM, Malaysia	
	Discussion		
1230	Lunch break		
1400	Session 2: Marine biodiversity and ecosystem protection		

	Co-chairs: Prof. Dato' Dr. Aileen Shau Hwai TAN, Prof. Dr. Xuelei ZHANG		
	P1: Progress and future plan of the regional cooperation project on marine endangered species studies	Xuelei ZHANG, FIO, China	
	P2: Irrawaddy dolphins and green sea turtles in the Bay of Brunei: Current knowledge	Saifullah A. JAAMAN, UMT, Malaysia	
	P3: Impacts of eutrophication and Harmful Algal blooms in Malaysia: the needs of early warning, mitigation and management	Po Teen LIM, UM, Malaysia	
	P4: Characteristics of marine ecosystems in North Sulawesi Sea	Bin CHEN, TIO, China	
	P5: Monitoring and protection management of coastal ecosystems in the South China Sea under the background of global changes	Haifeng GU, TIO, China	
	P6: Marine biodiversity and ecosystem protection	Van Hieu PHAM, ASI, Vietnam	
	P7: Marine biodiversity and ecosystem management in Cambodia	Rithy MEAS, MoE, Cambodia	
	Discussion		
1600	Coffee break		
1630	Session 3: Marine biotechnology and blue economy Co-chairs: Prof. Dr. Phaik Eem LIM, Prof. Dr. Bin CHEN		
	P1: Contribution of marine biotechnology to blue economy	Siew Moi PHANG, UM, Malaysia	
	P2: Development of marine science and technology in China and the vision for future cooperation	Lei FENG, SOA, China	
	P3: Monitoring and assessment on the typical marine ecosystems in the coastal waters of China	Jingfeng FAN, ForthIO, China	
	P4: Marine Spatial Planning development in Trat province, Thailand	Suthida KAN-ATIREKLAP, DMCR, Thailand	
	P5: Marine spatial planning in Malaysia: A study on finding the Governance Solution and the Way Forward	Wan Izatul Asma WAN TALAAT, UMT, Malaysia	
	P6: Promoting blue economy cooperation, constructing the Silk Road in 21st century	Kangqiao DENG, SOA, China	
	constituting the Silk Road in 21st tentury		
	Discussion Discussion	<u>l</u>	

	December 17 (Sunday), 2017		
0900	Session 4: Discussion on future marine cooperation		
	Co-chairs: Prof. Dato' Dr. Azizan ABU SAMAH, Mr Antao WANG		
	P1: Marine cooperation between China and the	Antao WANG, SOA, China	
	Southeast Asian countries		
	P2: Progress and cooperation on ocean forecasting	Fangli QIAO, FIO, China	
	system and marine hazards mitigation	i align QIAO, I IO, Cililla	
	P3: Indonesia Ocean Agenda: Blue growth for	Andreas A. HUTAHAEAN, CMMA,	
	sustainable development	Indonesia	
	P4: Cooperation initiatives in the field of marine	Zhigang GAO, NMDIS, China	
	information		
	P5: Networks of marine protected areas.	Vincent V HILOMEN, DENR,	
	1 3. Networks of marine protected areas.	Philippines	
	P6: Marine microplastics research and trend	Chengjun SUN, FIO, China	
	P7: The roles of marine veterinarian on marine	Weerapong LAOVECHPRASIT,	
	endangered species conservation	DMCR, Thailand	
	P8: Development and application of emergency rapid	Jiangling XU, NCSB, China	
	prediction and early warning system for marine		
	oil spill		
1100	Coffee break		
1120	Discussion on general issues		
1150	Closing Ceremony		
1200	Lunch		