



**INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)**

**Fifteenth Intergovernmental Session of the IOC Sub-
Commission for the Western Pacific (WESTPAC-XV)**
Tokyo, Japan, 11-13 March 2025

Item 8 of the Provisional Agenda

WESTPAC DRAFT PROGRAMME AND BUDGET 2026-2027

The WESTPAC Programme and Budget for 2026 – 2027 was prepared based on the planned activities by the WESTPAC Office, programmes/projects, working groups, and Regional Training and Research Centers (RTRCs). The required budget was presented in three forms: i. regular budget allotted from IOC; ii. in cash extra budget to be raised from member states; iii. in-kind contribution from member states in support of WESTPAC Programmes and activities.

As a result of the very limited regular budget from IOC, the WESTPAC Programme and Budget has served as a guide for the activities that the Sub-Commission would like to jointly promote and seek funding from various sources in support of their implementation. The Programme and Budget was intended to be line with IOC budget cycle 2026-2027, but also include a limited number of activities to be conducted in the second half of 2025. The draft budget may be further revised and adjusted, subject to the final approval of IOC and UNESCO, as well as funding opportunities of extrabudgetary support.

Over the past decade, until the end of 2023, the IOC Regular Budget allocated an average of USD 80-100 K per biennium to the Sub-Commission. However, this amount increased to approximately USD 320 K for the 2024–2025 biennium following the United States' rejoining of UNESCO in July 2023 and an increase in the IOC budget from UNESCO. Based on this budget scale, a similar allocation of around \$320,000 is expected for the 2026–2027 period. Consequently, as in previous years, the Sub-Commission will continue to rely primarily on extrabudgetary support from member states, either in cash or in-kind, to carry out most of its activities during 2026–2027.

WESTPAC DRAFT PROGRAMME AND BUDGET 2026-2027

Project/Programme	Activities	Objectives to be achieved	Expected outputs	Date and Place	Funding Required, US\$		
					IOC (in-cash)		Other in-kind sources
					Regular	Extra budget	
Policy, Strategic, Technical and Secretariat Support							
16th Intergovernmental Session	Statutory science-policy interface	Regional consensus reached on its programmes, new officers elected	Summary report and cooperative programmes established	Early 2027	20K		120K
UN Decade of Ocean Science for Sustainable Development (2021-2030)	UN Decade 3 rd Regional Conference & 12 th WESTPAC IMSC				10K	50K	300K
	UN Decade advocacy and engagement, and Decade Action implementation workshops	To advocate UN Decade in ocean stakeholder in Member States	Engagement enhanced	2026-2027	10K		30K
12th WESTPAC International Marine Science Conference	Keynotes, sessions, workshops and side events	Gather marine scientists to develop multi-disciplinary collaboration	Conference programme	2027	30K		300K
WESTPAC Advisory Group Meeting	WESTPAC Advisory Group Meeting	Review and provide guidance	All activities developed with high quality, effectiveness	Early 2026, early 2027	15K		20K
Coordination, including the office operation	Development, coordination and implementation, and resources mobilization of WESTPAC activities	Ensure the full operation of the Sub-Commission and implementation of workplan	New activities developed, workplan implemented and quality service provided	2026-2027	90K		100K
Ocean-Based Solutions to Climate Change (Mitigation, Adaptation, and Resilience)							
North East Asian Regional-GOOS	23 rd Coordination Committee	To review NEAR-GOOS's progress, plan its future, and organize workshops to facilitate the exchange of innovative technologies and achievements among member states	Action plans and recommendations	Apr 2026, TBD	5K		In-kind by host country/agency
	GRA (GOOS Regional Alliances) Forum 12	Enhance cooperation and information sharing with other GOOS Regional Alliances and the GOOS Office	Further development of NEAR-GOOS through cooperation with other GOOS Regional Alliances	TBD			In-kind by member countries/agencies
	PICES Annual Meeting 2026 and 2027	Strengthen collaboration with stakeholders	Enhance awareness and technical cooperation on NEAR-GOOS	Oct 2026, Late 2027			In-kind by member countries/agencies
South East Asian	Ocean Forecasting System (Tentative,	To operationally run the OFS in the following 2 years, and provide	To provide operational forecast every day; and to provide	Significant Wave height, Temperature, and current within the following 5 days	Every day, through internet, Thailand OFS at PMBC of	20K	600K

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Regional-GOOS	subject to further development)	technical support for Thailand and Malaysia OFS	operational forecast for two subdomains		Thailand, and Malaysia OFS at UMT of Malaysia				
		To provide forecasting products and services for IOC/WESTPAC community	To provide forecasting and services for emergent marine hazards and events	Significant Wave height, Temperature, and current within the following 5 days	As needed			20K	
		To initiate the operational coral reef early warning system	To provide operational early warning for coral bleaching	An operational early warning system for coral reef bleaching	2026, through internet		10K	120K	
		To initiate the operational Southeast Asian Maritime Emergency System	To provide operational Maritime Emergency forecast such as oil spill and search and rescue	An operational Southeast Asian Maritime Emergency System	2026, through internet		10K	120K	
		To extend ocean forecasting to ocean and climate forecasting	To provide monthly climate prediction products for the region	Climate prediction system	2026			340K	
		Monitoring the Ecological Impact of Ocean Acidification on Coral Reefs	Conduct training course about OA, and join workshop with UN39: Ocean solutions	To improve research capacity and understand and address multi-stressors in the coastal ecosystems in synergy with UN 39: Ocean solutions	Workplan of identified pilot sites formulated	2025-2027	10K	5K	10K
		CoastPredict-Enhancing Coastal Resilience in the South East Asia Seas (eCORE-SEAS)	Engage relevant institutions and Member States in the eCORE-SEAS project	To enhance coastal countries' resilience to climate change and their capacities for disaster risk reduction	eCORE-SEAS concept note, and full project document developed and submitted; Project	2025-2027	10K	10K	5K
South China Sea Fluvial Sediments and Environmental Changes	Oceanic observation cruise	Sediment source-to-sink dynamics	Sediment transport mechanism		May 2026			100K	
	Bilateral scientific visits	Exchange and laboratory analysis	Publication and training		Jun 2026, Indonesia/Philippines/China			20K	
	19th FluSed Workshop	Scientific result exchange	Collaboration and discussion		Nov 2026, Malaysia			10K	
Changing Asian Marginal Seas and their Response to Climate Change	Scientific session in 2026 AGOS Meeting	Gain a common understanding on behavior of nutrients in the marginal seas under the various stages of nutrient loading from land to the coastal water	Recommend measures for proper coastal management based on scientific and quantitative understanding of coastal ecosystems		Aug 2026, Fukuoka, Japan		8K	Possible but not fixed	
	Scientific session in WESTPAC conference	Summarize the outcomes from the AMS program in the first half period	Finding a direction to use marine scientific results for coastal ocean management in collaboration with social science		2027		8K	Possible but not fixed	

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					IOC (in-cash)		Other in-kind sources
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Methane Fluxes and their Impact on Climate and Ecosystem in the Indo-Pacific Region	Meeting of some project members	Discuss draft action plan	Protocol of outcomes by WG and Project	Mar 2025 WESTPAC-XV Tokyo, Japan,		none	3K
	1st Workshop of new project and Meeting of Steering Committee (SC)	Developing of the implementation plan, formation of Steering Committee	Implementation plan for next period, Steering Committee (SC)	May 2025, online		none	3K
	Informal meeting of some SC members during IOC 2025	Exchange by the progress and present of Project to IOC members	Notes of progress in Project	Jun 2025, France		none	3K
	Launching a specialized website	Dissemination of knowledge	Easily accessible web site	Aug 2025		none	10K
	2ndMethane Workshop/Conference	Exchange information on national and international activities	Development of the implementation plan	Sep 2025, China or Russia		5K	3K
	Joint oceanographic expedition	Estimation of methane fluxes distribution and their effects	Integrated data about gas hydrate potential and effects offshore Vietnam	Nov-Dec 2025 Russia, Vietnam		5K	
	Preparation of joint scientific paper	Preparation of joint paper	Submission of peer-reviewed scientific papers	Dec 2025, online		2K	2K
	Meeting of the SC	Discuss future activity, proposal for the 12th WESTPAC Scientific Conference	Future activity plan, proposal for Scientific Session/ incubator	Mar 2026, online		none	none
	Joint oceanographic expedition	Estimation of methane fluxes distribution and their effects	Integrated data about gas hydrate potential and effects offshore Vietnam	Apr-May 2026 Russia, Vietnam		5K	
	Scientific session and workshops on methane fluxes	Increasing a level of knowledge on methane fluxes	Presentations on the gas hydrates and methane fluxes	Jun 2026, online		none	none
	Training course of methane fluxes issues, new methods and techniques	Capacity building, knowledge dissemination	A series of online lectures	Aug 2026, online		2K	2K
	Meeting of the Gas hydrate and Methane fluxes Project	Discussion on main results and key items	Draft intermediate report	Sep 2026, online		none	none
	Preparation of joint scientific paper	Preparation of joint paper	Submission of peer-reviewed scientific papers	Nov 2026, online		1500	1500
	Joint oceanographic expedition	Estimation of methane fluxes distribution and their effects	Integrated data about gas hydrate potential and effects offshore Vietnam	Apr-May 2027 Russia, Vietnam, members		5K	
	Session and incubator of the Methane fluxes Project	Presentation of the project, dissemination of knowledge	Presentations on the gas hydrates and methane flues in the Region	2027, Philippines 12th WESTPAC Conference		5K	3K

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					IOC (in-cash)		Other in-kind sources
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	Preparation of joint scientific paper	Preparation of joint scientific paper	Preparation of joint paper	Nov 2027, online		1.5K	1.5K
Predictions of Marine Ecosystem Changes in the Northwest Pacific Ocean	1st IST	1) Scientific understanding based on marine ecosystem observation data and quantification and formulation required to develop numerical models 2) Develop ESMs that include marine ecosystem processes and provide predictive information	Discuss Science Plan	2025, Sendai	5K		20K from WPI-AIMEC
	Intersessional meetings		Call for New Initiatives	Remote			
	Symposium and workshop		Science Plan: Identify the Challenges and Solutions	2026, Yokohama			40K US from WPI-AIMEC
	2nd IST		Endorsement of initiatives	2026, Yokohama			20K US from WPI-AIMEC
	Intersessional meetings		2nd Call for New Initiatives	Remote			
	3rd IST		Review of Actions	2027, somewhere	5K		20K from WPI-AIMEC
	4th IST and workshop		Review of Actions	2028, somewhere			20K US from AIMEC
5th IST and workshop	Review of Actions	2029/2030, somewhere			20K from WPI-AIMEC		
Marine Biodiversity Conservation, Ocean Ecosystems and Human Health, and Blue Economy							
Coral Reef Restoration	1-minute VDO competition: Raise awareness of coral restoration in WESTPAC region	To promote the awareness of coral restoration and conservation among WESTPAC member countries	Short VDO	2026	5K		10K from National grants and in-kind support from DMCR and Chulalongkorn University
	Workshop: synthesize activities of coral reef conservation and restoration in the WESTPAC region	To disseminate the synthesis data on coral restoration knowledge and techniques through scientific communities	Book/ paper	2027	5K		10K from National grants and in-kind support from DMCR and Chulalongkorn University

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Coral Reef under Climate and Anthropogenic Perturbations	Workshop to finalize a coral reef monitoring guideline for managing marine protected areas in the WESTPAC	<ul style="list-style-type: none"> To brainstorm and discuss on finalizing a coral reef monitoring guideline for managing marine protected areas To promote capacity building on coral reef monitoring and managing marine protected areas 	<ul style="list-style-type: none"> 20 participated scientists/managers Coral reef monitoring guideline for managing marine protected areas Support the UN Decade of Ocean Science 	Mar 2026, Bangkok Thailand	5K		5K
	Workshop for training users of a coral reef monitoring guideline for managing marine protected areas in the WESTPAC	<ul style="list-style-type: none"> To train users of a coral reef monitoring guideline for managing marine protected areas To promote capacity building on coral reef monitoring and managing marine protected areas 	<ul style="list-style-type: none"> 20 trainees for coral reef monitoring and managing marine protected areas in the WESTPAC Support the UN Decade of Ocean Science 	Jun 2026, Bangkok Thailand			5K
	Workshop for trainings on nature-based solution and climate mitigation	To introduce the concept and application on ecosystem services and nature-based solutions in strengthening climate mitigation and adaptation	<ul style="list-style-type: none"> 20 participated scientists/managers Support the UN Decade of Ocean Science Support the regional implementation on climate change 	Nov 2026, Bangkok Thailand			5K
Marine Toxins and Seafood Safety	Co-field survey	To collect potential toxic organisms	Specimen collection	Apr 2026, Viet Nam	10K	20K	10K from IO, VN
	Co-analysis on target toxins (CTX, TTX) in specimens	To collect data on toxin occurrence/distribution	Data on toxin and toxicity on specimens	Sep 2026-Apr 2027		20K	20K USD from IO, VN
Harmful Jellyfish Research Network	Standardization Workshop: Organize a workshop to standardize jellyfish species identification methods (morphology, barcoding, eDNA).	Develop standardized methods for jellyfish identification.	Standardized protocols for jellyfish research & conservation.	Apr 2026 Penang, Malaysia	5K	10K	
	Jellyfish Bloom Dynamics Research Meeting: Conduct research meetings with key researchers to coordinate studies on jellyfish bloom	Enhance research on jellyfish bloom dynamics & environmental factors influencing blooms.	Coordinated research efforts & a predictive framework for jellyfish blooms.	Thailand		8K	

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	dynamics across Southeast Asia.						
	Capacity Building & Training Programs: Organize regional training programs on jellyfish research methods (eDNA, fieldwork, lab analysis).	Build research capacity & train early-career researchers.	Trained researchers skilled in advanced jellyfish research techniques.	Thailand		10K	
	Exchange Programs for Researchers: Facilitate international exchanges to enhance expertise in advanced jellyfish monitoring & management techniques.	Strengthen international collaboration & share knowledge on jellyfish research.	Researchers gain expertise & build partnerships with international institutions.	TBD		15K	
	Publications & Data Sharing Platform: Develop & disseminate manuals, publications, & an online platform for jellyfish research data & methodologies.	Ensure widespread dissemination of research findings & promote data sharing.	Instructional manuals, peer-reviewed publications, & a centralized online data-sharing platform.	Malaysia		10K	
Ocean Remote Sensing for Coastal Habitat Mapping	Joint research	Development of new technology for monitoring coastal area	new technology for ocean remote sensing	2026			Japan Aerospace Exploration Agency (JAXA), Japan Science and Technology Agency (JST)
	Sharing data and case study	Sharing data and case study	database about coastal habitats and blue carbon				
	Annual meeting			2026, 2027, Online			
Harmful Algal Blooms	Steering meeting	Update the status of HAB information in the region and identify emerging HABs issue to address	Identified national/regional HAB training courses, identified emerging HAB issues	2026 (online) 2027		20K	10K (Univ. Tokyo, Univ. Malaya, Tokai Univ., etc.)
	Strengthening collaboration with various stakeholders and other HAB related networks	<ul style="list-style-type: none"> Join other HABs related meetings at least one time each by April 2027. 	<ul style="list-style-type: none"> Up-to-date information and cutting-edge technique and science on HABs shared 	2026-2027			

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	(EASTHAB, GlobalHAB, IOCIPHAB, PICES S-HAB, etc.)	<ul style="list-style-type: none"> Promote collaboration with social scientists, national and local government officers and fishermen/aqua culturists. 	among countries in the region <ul style="list-style-type: none"> Emerging issues and needs on HABs of the countries in the WESTPAC region disseminated to other HAB related international societies At least 2 social scientists in WESTPAC countries delivered presentations in the scientific meetings 				
	Capacity building	One capacity building activity every year conducted in line with UN Decade of Ocean Science for Sustainable Development. Possible themes are: i) emerging issues on HABs in countries, ii) novel technique for early warning, iii) monitoring, mitigation and management, etc.	3 early-career ocean scientists in WESTPAC countries delivered presentations in the capacity building activities by April 2027.	2026-2027			In kind (Univ. Tokyo, Univ. Malaya, Univ. Philippines, etc.)
Knowledge for Emerging Issues							
WG on Ocean Oxygen Network (WESTPAC O₂NE) (integrated as part of UN 39-Ocean solutions)	Review papers	Assess the scale and causes of deoxygenation, especially in nearshore areas, and evaluate its effects on marine organisms, fisheries, and human communities.	Greater attention and interest on the issue of deoxygenation Identification of priority research areas and questions on deoxygenation in the region Policy brief	2025		Publication fee	
	Summer school	Enhance capacity among researchers in the region	Sharing knowledge and best practices. Networking with researchers and program leads	2025, Malaysia	5K	Travel and related fees for 3- 4 participants	Institutional and personal funds
	Periodic seminars	Opportunity for senior and junior researchers to share previous and ongoing work and obtain feedback	Enhanced networking and collaboration Revitalization of the WESTPAC O2NE network.	2026-2027 Region			
WG on Small Island research and development	Reporting	To document and disseminate key findings and policy recommendations to guide future actions in small island sustainable development.	A detailed report and toolkit outlining best practices and strategies for fostering global collaboration and engagement on island management	Dec 2025		3K	
	Harmful Algae Bloom (HAB) and Ciguatera Fish	To develop HAB and CFP Disaster Mitigation Model	Prototype model/ model of HAB and CFP Disaster	2025-2026, Lombok Indonesia	5K		20K

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	Poisoning (CFP) Disaster Mitigation Research		Mitigation as a guidance to reduce HAB/CFP disaster risk				
	HAB and CFP Mitigation Workshop	To disseminate HAB and CFP Disaster Mitigation Model	Dissemination of HAB and CFP disaster mitigation models to various stakeholders	Oct 2026, Lombok Indonesia		17K	
	HAB and CFP Disaster Mitigation Research reporting	Report of workshop	Documentation of workshop results as a reference for policy determination	Dec 2026		3K	
WG on Advancing Marine Citizen Science: Act Local to Go Regional	Protocol and Manual Development Workshop	Develop a standard protocol for the region on citizen science for eDNA monitoring and Marine Litter Monitoring	Manual in different languages	Apr 2026 Penang, Malaysia	5K	5K	1K
	Implementation of eDNA Citizen Science Monitoring (Pilot)	Pilot citizen science on eDNA monitoring and evaluate manual produced	Data and report	Malaysia, Thailand, Philippines			3K
	Implementation of COLLECT Project	Pilot citizen science on COLLECT and evaluate manual produced	Data and report	Malaysia, Thailand, Philippines			3K
WG on Indigenous and local knowledge	FGD	Developing Database of TLK	Database/Map of TKL in the region	2026		4K	
	Seminar/ Workshop	Building showcase community-led Ocean Literacy Action	Showcase model /lesson-learned on community-led ocean literacy action based-on TLK	2026	5K		10K
	FGD	Develop Ocean literacy action project proposal for 2025-2030	5 years project proposal	2026		4K	
WG on Blue Carbon Actions in the Western Pacific	Data platform	An online blue carbon data platform	An online blue carbon data platform	2026		10K	60K
	Status Report Publication	A published status report	A published status report	2027		3K	3K
WG on Seagrass Research in the Indo-Western Pacific	Kick of meeting	WG Coordination	Work plan and roles	2025 (Q2)	8K		
	Regular meeting		Monitor activities implementation	Online, every 3 months			
	Workshop for research collaboration	To promote collaboration among scientists and stakeholders for seagrass ecosystems and their conservation	Seagrass scientist network established	2025 (Q3)			
	Regular webinar		>100 participants (online)	2025-2028			
	Scientist mobility		3 scientists per year	2025-2028			BRIN
	Joint research proposal		3 research proposal developed	End of 2025			
	Training in seagrass monitoring	To build capacity in seagrass science, particularly in underrepresented regions of the Indo-Western Pacific, particularly through the RTRC-MarBEST Center	>20 participants	2026 (Q2)	8K		
	PhD scholarship for seagrass research		2 PhD students per year	2025-2028			BRIN
Training in seagrass mapping	>20 participants		2027 (Q2)	5K			

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					IOC (in-cash)		Other in-kind sources
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	Development of seagrass monitoring guidelines	To develop standardized methodologies for seagrass monitoring and assessment	Standardized seagrass monitoring toolkit	2025 (Q3-Q4)			
	Seagrass health assessment (of 5 selected sites across the region)		Establish baseline data for comparison and future monitoring	2025 (Q2-Q4)			
	Establishment of data sharing platform		Seagrass data platform	2026 (Q2-Q3)			
	Public awareness and campaign	To provide policy recommendations for sustainable management and restoration	1 social media account for public outreach	2025 -2028			
	Policy recommendations		1 policy brief for seagrass conservation in the region	2028			
	Final assessment and reporting		A report on actionable strategies for future seagrass conservation	2028			
WG on Blue Carbon Ecosystem Restoration with an initial focus on Mangroves	Working group meetings and webinars	To promote knowledge sharing and expertise exchange on restoration techniques and practices for blue carbon ecosystems in the WESTPAC region	1) ≥3 identified demonstration sites for mangrove restoration techniques; 2) A WESTPAC project or programme proposal for blue carbon ecosystem restoration	2025 and 2026 China/ Indonesia		16K	25K
	Developing technical document/tool		1) Cases of mangrove restoration best practices; 2) A mangrove restoration guidebook	2025 and 2026 China			30K
WESTPAC-led Decade Actions							
UN21: Accelerate Marine Spatial Planning in the Western Pacific	2 nd WESTPAC MSP Expert Workshop	To follow up the MSP progress in the region	The MSP Roadmap for the WESTPAC	Sep 2025 or early 2026, Phuket Thailand	5K	10K	
	Training courses	To build MSP capacity of involved bodies and individuals	The increased MSP knowledge and wider stakeholder engagement	2026, Malaysia, Fiji		5K	
	Case studies of 5 MSP demonstration sites	To promote experience and good practice sharing	Technical guide or guidelines for MSP plans formulation	2026 Cambodia, China, Thailand, South Korea and Indonesia	5K	10K	
UN22: Stem the Tide of Asia's Riverine Plastic Emission into the Ocean	Publish the outcomes of the two working groups	Publish the outcomes of the two working groups	<ul style="list-style-type: none"> A set of standardized methodology developed for riverine plastic and microplastic monitoring and flux estimate. Situation analysis reports of different member states 	Oct , 2025 Online			1.5K From East China Normal University

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	Training workshops for the riverine plastic and microplastic sampling,	Based on the methodology established, train young scientists and students in the Asia-Pacific region on the using of the methodology	At least 50 young scientists and students will be trained.	late 2025 or early 2026 Shanghai, China	5K		20K from East China Normal University
	Filed sampling in pilot rivers	Collect <i>in situ</i> riverine plastic and microplastic data in pilot rivers	At least three pilot rivers will be sampled, and the data will be obtained.	2026			13K from East China Normal University
	Sample analysis	Baseline data	Baseline data	2026-2027			11K from East China Normal University
UN 23: Accelerating Capacity Development Transformation in the Western Pacific Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Marine Biodiversity and Ecosystem Health	Symposium and Workshop on Blue carbon seagrass	<ol style="list-style-type: none"> Building and enhancing blue carbon seagrass network, both national and regional scale Exchange knowledge and technology particularly in blue carbon seagrass studies 	At least 100 participants joined the symposium and workshop (75 participants nationally, 25 participants regionally attend the event)	Oct/Nov 2025 or early 2026	5K	25K	<ol style="list-style-type: none"> International Blue Carbon Initiatives (for the event planning) Conservation International Indonesia Office (YKI) (for partnering in local OC with RTRC MarBEST) AIS
	Training on spatial approach for carbon assessment on mangrove ecosystem	<ol style="list-style-type: none"> Understanding blue carbon: Gain knowledge about blue carbon, blue carbon ecosystems, carbon storage and sequestration, and their importance for climate change mitigation. Fields sampling assessment: Learn and apply field sampling technique, including soil core collection and forest 	20 participants trained	2027	5K	35K	<ol style="list-style-type: none"> NUS (in kind) MTCRC AIS

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					IOC (in-cash)		Other in-kind sources
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		measurement (DBH, height, etc.). 3. Remote sensing: Prepare remote sensing data and perform image correction. 4. Laboratory analysis for carbon soil with Lol or CHN Analyzer 5. Carbon stock calculation: combining all carbon pool including soil, below ground biomass carbon, and above ground biomass carbon 6. AGC mapping and assessment: perform accuracy assessment					
	Scientist Exchange	Research mentoring program that focused on enhancing knowledge and experience in research, development, and application on science and technology, particularly in the development of blue carbon studies	1. At least 3 young researchers joined the visiting scholar program 2. At least 3 master/doctoral students joint the program All participant's origin is expected from IOC WESTPAC region/AIS Countries	Oct/Nov 2027		Accommodation	BRIN's talent management program: 1. 1.2K for monthly living allowance for one researcher that conducted the visiting scholar program 2. Airplane ticket (economy class)
UN 23: Accelerating Capacity Development Transformation in the Western Pacific Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Coastal Contaminant Monitoring and Marine Innovation Technology	Training Workshop on Introductory Scientific Diving for Safety, Sampling, and Ecological Survey	1. To introduce underwater navigation equipment for scientific diving safety; 2. To develop underwater research capacity through scientific diving training and to build partnerships and networks in marine benthic dinoflagellates study; 3. To transfer knowledge and exchange experience in coral	1. Comprehensive knowledge acquired on the scientific diving safety, dinoflagellate sampling method, and coral reef survey method using advanced technology; 2. Intercountry collaborations established with a concrete plan on dinoflagellate research and ecological monitoring;	Jun 2025, Malaysia		7K	

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					IOC (in-cash)		Other in-kind sources
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		reef monitoring, observation, and data collection.	3. Construction of algae culture collection and resource database for the WESTPAC region.				
	Training Workshop on Underwater Mapping and Monitoring of Seagrass	<ol style="list-style-type: none"> 1. To conduct baseline surveys for seagrass meadows, including distribution, coverage, productivity, and carbon storage, for future in-depth studies, underwater map construction, and possible trading 2. To investigate the biodiversity and marine endangered species, such as dugongs and sea turtles, within the seagrass area 3. To support seagrass meadows' conservation and management from the community to the potential regional level 4. To train government and non-government sectors who are involved in the protection and management of seagrass conservation 	<ol style="list-style-type: none"> 1. Baseline information on seagrass meadows, such as distribution, coverage, productivity, and carbon storage. 2. Comprehensive workflow established for monitoring, data collection, and economic evaluation to the conservation of seagrass meadows. 3. Collaborations established with a concrete plan on seagrass research and monitoring 	Mar 2026, Muk and Libong Island, Thailand	5K	7K	
	GEM Programme Workshop	To provide an update on the progress of the first phase of the GEM Programme, initiate the launch of the second phase, and engage stakeholders in discussions regarding solutions for global estuarine pollution.	Developing the progress report of the GEM Programme	Two sessions per year from 2026 to 2027, conducted as satellite events alongside select conferences.			
UN 23: Accelerating Capacity Development Transformation in the Western Pacific Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Marine Plastic Debris and Microplastics	Regional Capacity Building Workshop on Riverine and Marine Plastic Debris Monitoring	Enhance the monitoring capabilities of member states by providing training on advanced sampling techniques, measurement methods, and data analysis related to marine plastic debris and microplastics. This workshop will focus on the study method on mangrove macroplastic research.	Conduct training for at least 30 participants from various member states; develop and disseminate a comprehensive training manual on marine plastic debris monitoring.	May 2026, Shanghai and Sanya, China	5K	5K	10K

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					Regular	Extra budget	
	Educational video materials of sampling processing and analyzing process.	Illustrating the sampling and analyzing process for riverine plastic and microplastics	One video manual for plastic and microplastic sampling in rivers	Dec 2025, Sanya and Shanghai, China			1K
	Establish the Guideline on mangrove macroplastic research along riverbanks	Establish a guideline on mangrove macroplastic research along riverbanks for member states	Guideline on mangrove macroplastic research along riverbanks	Mar 2026, Online			6K
	Regional Capacity Building Workshop on Riverine and Marine Plastic Debris Monitoring	Enhance the monitoring capabilities of member states by providing training on advanced sampling techniques, measurement methods, and data analysis related to marine plastic debris and microplastics.	Conduct training for at least 30 participants from various member states; develop and disseminate a comprehensive training manual on marine plastic debris monitoring.	Nov 2026, Shanghai, China	5K	5K	10K
	Training on using the Regional Riverine Plastic Debris Database and online riverine plastic and microplastic exporting model (will be established under UN22 project)	Conduct trainings for the centralized database to collect, store, and analyze data on riverine plastic debris and microplastics from member states, including the data obtained from the pilot rivers from UN22, promoting data sharing and informed decision-making.	Launch the database accessible to all member states; train at least 20 data managers from different countries; produce a data report on riverine plastic and microplastic distribution and trends.	Dec 2027, Online		3K	20K
UN 23: Accelerating Capacity Development Transformation in the Western Pacific Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Reef Management and Restoration¹	Coral restoration using sexual mode of propagation using multiple species of corals as materials for restoration (i.e., climate resilient species/population, selective breeding) and monitoring	<ol style="list-style-type: none"> 1. Strengthen the capability of human resources, especially students and young scientists of the member states in the Western Pacific through the conduct of workshops, training courses, and research; 2. Strengthen the research network of scientists on reef management and restoration in the Western Pacific; 3. Promote the sharing of information on reef management and restoration efforts; 	<ol style="list-style-type: none"> 1. National and regional capabilities on reef management and restoration enhanced; 2. Regional scientific network on reef management and restoration established; 3. Scientific knowledge on the recent advances in reef management and restoration approaches; 4. General protocols on appropriate application of these techniques developed; 	2025, Bolinao Marine Laboratory, Philippines	5K	15K	85K

¹ Please note that items for 2025 to 2027 are the same but detailed workshop outputs might vary depending on the available coral materials – species- that will be used for coral restoration.

Project/Programme	Activities	Objectives to be achieved	Expected outputs	Date and Place	Funding Required, US\$		
					IOC (in-cash)		Other in-kind sources
					Regular	Extra budget	
		<p>4. Review, assess, and improve upon the restoration techniques practiced in different countries in the region;</p> <p>5. Present recent advances on coral restoration techniques;</p> <p>6. Contribute to the sustainable development and conservation of marine and coastal resources through research and training; and,</p> <p>7. Develop general protocols on the appropriate application of these techniques.</p>	<p>5. Public awareness on coral restoration and management approaches; and</p> <p>6. Network and coordination among government institutions, private sectors and local communities for coral restoration and management established and strengthened.</p>				
		-same-	-same-	2026, Bolinao Marine Laboratory, Philippines	5K		
		-same-	-same-	2027, Bolinao Marine Laboratory, Philippines	5K		
UN 23: Accelerating Capacity Development Transformation in the Western Pacific Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Marine Toxins and Seafood Safety	Scientific exchange	To update skill to analyze unknown/new toxins	<p>1. 2 persons who are trained for new/unknown toxin analysis</p> <p>2. Practical protocol to new/unknown toxins analysis</p>	Apr-Sep 2025, Japan			7K from IO, VN
	Training through research on sampling marine toxic organisms	To standardize practical methodology to study on origin of toxins in ecological system	<p>1. 5-10 persons who are trained</p> <p>2. Practical protocol on specimens sampling and processing</p>	Sep 2025-Sep 2026, VN	5K	20K	10K from IO, VN
	Workshop on marine toxins distribution	The plan to study on occurrence/distribution of marine toxins in the region	3-year action plan of MTSS project	Apr 2027, VN	5K	20K	10K from IO, VN
UN 23: Accelerating Capacity Development Transformation in the Western Pacific	Training Course on Application of Ocean Forecast System	To enhance young scientists to understand the basic knowledge and new methods in the ocean forecast system, and grasp how to interpretation of the products	Deep understanding on the coupling of ocean surface wave, circulation and tide and practice application of ocean forecasting system in coastal region.	Sep 2025, Qingdao, China		TBD	30K

Project/Programme	Activities	Objectives to be achieved	Expected outputs	Date and Place	Funding Required, US\$		
					IOC (in-cash)		Other in-kind sources
					Regular	Extra budget	
Regional Network of Training and Research Centers (RTRCs) on Marine Science RTRC-Ocean Dynamics and Climate		generated by the forecast system					
	Training Course on Ocean Dynamics and Ocean Models	To enhance young scientists to understand the dynamics among different physical processes in the ocean and the performance of different ocean numerical models	Deep understanding on the ocean dynamics and their implementation in numerical ocean models	2026, Qingdao, China		TBD	TBD
	Training Course on Climate Dynamics and Air-sea Interactions	To enhance young scientists to understand the basic knowledge of the climate system and frontier research topics	Deep understanding on the climate variability and change, diagnosis from the earth system models	2027, Qingdao, China		TBD	TBD
UN24: Explore the Strongest Ocean Current in the Western Pacific (CSK-2)	6 th ISG meeting	Exchange scientific information Discuss way forward	Papers and reports	Fall, 2025	5K		200K
	Cruises and research	Their own science	Papers, data, and reports	Intersessional periods			Covered by major host institutes
	Results analysis task force meetings	Find the scientific gaps and points to collaborate	Reports	Intersessional periods			0
	Data portal support team meetings	Support Laoshan to develop data portal	Data portal site	Intersessional period			Covered by Laoshan
	Official Establishment of the Support Office for CSK-2 at Laoshan	Support WESTPAC office and ISG activities	Reports	Mar 2025			Covered by Laoshan
	7 th ISG meeting	Exchange scientific information Discuss way forward	Papers and reports	Fall, 2026	5K		200K
	8 th ISG meeting	Exchange scientific information Discuss way forward	Papers and reports	Apr 2027			200K
	CSK-2 workshop	Engagement of Stakeholders	Codesign of the CSK-2 and beyond	Apr 2027			200K
UN 39: Ocean Solutions in the East Asian Seas	Workshop to discuss on pilot sites and stressors, linking to impacts to socioeconomics	To discuss on the selection of pilot sites and determining of stressors to be prioritized, linking to the impacts to socioeconomics and livelihood of the local communities.	Commitment to the initiation of pilot sites and assurance of communities or stakeholders to be involved	Sep 2025, Penang, Malaysia	5K	15K	8K
	Workshop for site demonstration	To showcase demonstration site and stakeholders engagement To initiate reporting to IOC and also joint publication (for outreach, public awareness & scientific publications)	Site visit Draft of public outreach Draft for scientific publication	2026, Penang, Malaysia	5K	TBD	TBD

Project/Programme	Activities	Objectives to be achieved	Expected outputs	Date and Place	Funding Required, US\$		
					IOC (in-cash)		Other in-kind sources
					Regular	Extra budget	
	Training for stakeholders on participatory research	Empowerment of stakeholders to be more responsible and be part of the project	More involvement of the stakeholders in the project.	2026, Penang, Malaysia		TBD	TBD
	Symposium on best practices and updates or progress reports of member states	Sharing of updates and best practices of member states Discussion of best practices of ocean solutions	Compilation of reports and publications	TBD		TBD	TBD
Sub-total (2026-2027)					320K	1,845 K	4,450K
Sub-total (Apr-Dec 2025)					65K		
Total (2026-2027)						6,615 K	