Regional: Marine Aquaculture, Reefs, Renewable Energy, & Ecotourism for Ecosystem Services

Project Name	Marine Aquaculture, Reefs, Renewable Energy, & Ecotourism for Ecosystem Services	
Project Number	54137-001	
Country	Regional	
Project Status	Proposed	
Project Type / Modality of Assistance	Technical Assistance	
Source of Funding / Amount		
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth Regional integration	
Drivers of Change	Governance and capacity development Knowledge solutions Partnerships Private sector development	
Sector / Subsector	Energy - Energy efficiency and conservation - Renewable energy generation - biomass and waste - Renewable energy generation - small hydro - Renewable energy generation - solar	
Gender Equity and Mainstreaming	Some gender elements	
Description	The proposed knowledge and support technical assistance (TA) will facilitate future investment in sustainable ocean economy development through two main activities: (i) assessment of marine resource commercialization prospects (including energy, seafood, and tourism) and identification of investment projects in selected developing member countries (DMCS); and (ii) review and recommendations on policy and regulatory frameworks to facilitate large-scale investment and on mechanisms to accelerate financing of selected projects. This TA is aligned with the Asian Development Bank (ADB) Strategy 2030, specifically operational plan for priority 3 under healthy oceans . The proposed TA is directly aligned with Sustainable Development Goals (SDGs) 7 for affordable and clean energy, and is indirectly aligned with other SDGs, notably SDG 14 for life below water. The TA is alog aligned with the ADB Action Plan for Healthy Ocean and Sustainable Blue Economy and targets DMCs with extensive large coastlines (_Littoral States_) and exclusive conomic zones (EEZs). This TA is included in the 2020 Management approved results-based work plan of the Sustainable Development and Climate Change Department.	
Project Rationale and Linkage to Country/Regional Strategy	The ocean economy today is dominated by energy production, fishing, shipping, and tourism. These activities are based on the linear economy_ and are inherently unsustainable: ocean energy production is mainly crude oil and natural gas, marine fisheries are in effect a form of strip mining, ships run on petroleum fuels, and tourism can overwhelm the ecosystems of popular destinations. By necessity, the ocean economy of the future will be based on renewable energy production and utilization, regenerative marine aquaculture, low-emissions shipping, and ecotourism, all of which are implemented in a manner that presentes, and enhances marine ecosystem services. In this context, archipelagic and island states (big ocean states) have potential comparative and competitive advantages in creating sustainable energy to food supply chains that in trun support cleaner shipping and ecotourism. The oceans contain enough renewable energy to power our civilization however these resources are largely untapped due to the distances between resources and demand centers. Offshore wind are increasingly cost-competitive with fossil-based electricity generation and, in some locations, these are producing surplus energy which is being converted to hydrogen and xygen using electrolysis of water. Rapid cost declines and deployment of these technologies can be expected in the next five years due to manufacturing economices of scale, technology efficiency increases, factory-based mass production of key components, and plug-and-play architecture. The challenge is to develop regenerative energy infrastructure to convert new energy production facilities with mutually beneficial ecosystem benefits and become new tourism destinations. Buy and a constructure and the constructure and the constructure or constructure or onomic and yobs of earth's plant biomass but they cycle through about the same amount of carbon every day as all terrestrial plants. Seagrass and mangroves can sequester carbon up to 35 times faster than a train seafoad consumption.	
Impact	Marine Food Security and Supply Chain Efficiency enhanced	
Outcome	Private sector action to promote regenerative marine business sector mobilized	

Outputs	Healthy ocean investments supported Knowledge, regional cooperation, and financing for innovation in healthy oceans improved			
Geographical Location	Regional			
Summary of Environmental and Social Aspects				
Environmental Aspects				
Involuntary Resettlement				
Indigenous Peoples				
Stakeholder Communication, Participation, and Consultation				
During Project Design				
During Project Implementation				
Responsible ADB Officer		Peters, Stephen S.		
Responsible ADB Department		Sustainable Development and Climate Change Department		
Responsible ADB Division		SDSC-ENE		
Executing Agencies		Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines		
Timetable				
Concept Clearance		05 Feb 2022		
Fact Finding		18 Mar 2020 to 18 Mar 2020		
MRM		-		
Approval				
Last Review Mission		-		
Last PDS Update		21 Oct 2020		

Project Page	https://www.adb.org/projects/54137-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=54137-001
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