



**Asia-Pacific
Economic Cooperation**

2021/SOM3/OFWG/008

Agenda Item: 2.2.3

**Project Updates: Potential Projects - Determining
Microplastics Distribution in Coastal Aquaculture
Input System and Developing Its Mitigation Plan
Towards Seafood Safety; Capacity Building on
Vessel Innovation to Combat Marine Debris**

Purpose: Information
Submitted by: Indonesia



**17th Ocean and Fisheries Working Group
Meeting
17-18 August 2021**

Project Updates: INDONESIA



Ministry of Marine Affairs and Fisheries
INDONESIA
17th OFWG Meeting
17-18 August 2021

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Potential Projects

Determining
Microplastics
Distribution in Coastal
Aquaculture Input
System
and Developing its
Mitigation Plan towards
Seafood Safety

Capacity Building on
Vessel Innovation to
Combat Marine Debris



Determining Microplastics Distribution in
Coastal Aquaculture Input System
and Developing its Mitigation Plan towards
Seafood Safety

Project Overseer:

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Determining Microplastics Distribution in Coastal Aquaculture Input System

OBJECTIVES

To produce evidence-based information regarding microplastics contamination level and distribution within coastal aquaculture input chain

To develop capacity and competency of project participants in regulatory and standardized methods of microplastics in aquaculture

To initiate and develop a mitigation plan and future collaboration to address the APEC-wide issue of marine litter particularly microplastic distribution in seafood aquaculture input chain



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Eligibility & Fund Priorities

Tackles the overlooked impacts of microplastics to aquaculture

Safe guarding the quality of life through environmentally sound growth
by providing safe and health seafood aquaculture products to customers globally

developing human capital
through capacity building in microplastic analysis

developing able, safe & efficient capital markets through structural reform
regulatory framework and free or minimal microplastic contamination

RELEVANCE

Building a common and standardized guide on microplastic prevention in aquaculture

Participants' Capacity Building & evidence-based microplastics distribution in Aquaculture

Capacity Building

Determining Microplastics Distribution in Coastal Aquaculture Input System

ACTIVITIES



Determining Microplastics Distribution in Coastal Aquaculture Input System

PROJECT'S MILESTONES

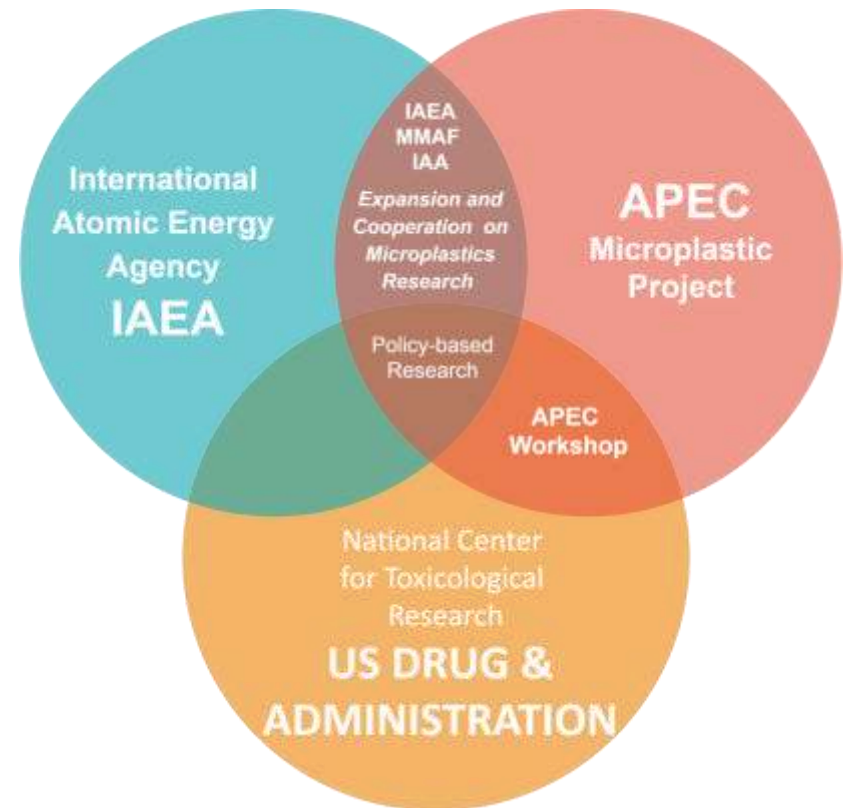


Determining Microplastics Distribution in Coastal Aquaculture Input System

Progress



Network



Determining Microplastics Distribution in Coastal Aquaculture Input System

Meet the Core Team



Hatim Albasri, Ph.D.

Researcher (Heavy metal, pollution in Aquaculture)



Dr. Rasidi

Researcher (Heavy metal, pollution in Aquaculture)



Dr. Rinny Rahmania

Researcher (Marine Debris, Mangrove, microplastics)



Lolita Thesiana

Researcher (Aquaculture)



Dr. Dwiyoitno

Researcher (Biotech, Microplastic)

Counterpart.

Australia



A/Prof Jesmond Sammut
BEES - UNSW Sydney



A/Prof Peter Macready
Blue Carbon Lab
Deakin University



Dr. Tanver Adyel
Blue Carbon Lab
Deakin University

Viet Nam



Researcher/Practitioner

Economy #1



Researcher/Practitioner

Economy #2



Researcher/Practitioner



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Determining Microplastics Distribution in Coastal Aquaculture Input System

Co-sponsoring Economies

Chinese
Taipei

Chile



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Capacity Building on Vessel Innovation to Combat Marine Debris

Project Overseer:

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Capacity Building on Vessel Innovation to Combat Marine Debris

Background

Marine debris is a real fact faced by every APEC Economies. It threatens fisheries, marine ecosystem, transportation, tourism and even livelihoods sectors in every economy. The debris leakage from land to rivers to sea, then to Pacific Ocean is increasing.

Objective

The objective of this project is to develop a guidelines and recommendation for vessel innovation, fleet management and collaboration in international waters to cope with the marine debris. It is expected to support capacity building aspect with research and innovation aspect as mandated in APEC Roadmap on Marine Debris.



Indonesia's Debris Carrier, Collector & Incinerator vessels

1. Seribu Island Regency.
2. Bekasi City (Citarum River).
3. Debris Incinerator Vessel (DIV) concept (for small islands).



Capacity Building on Vessel Innovation to Combat Marine Debris

Eligibility & Fund Priorities

This project applies for ASF Sub-Fund on Marine Debris Management and Innovation.

It will inform marine debris management technologies, and promote new technologies and innovation for reducing the prevalence and environmental impact of marine debris

Benefit to Region

Addressing marine debris that leaked into the sea and stranded in remote area requires specific technology and collaborations among economies with common paradigm to deliver it effectively



Capacity Building on Vessel Innovation to Combat Marine Debris

Work Plan

Date	Activities	Deliverables
February – July 2022	<ul style="list-style-type: none">- Pre survey- Comparative study in co-sponsor economies focusing on marine debris management.	<ul style="list-style-type: none">- Field survey report- Draft of symposium material.
August – September 2022	<ul style="list-style-type: none">- Symposium activity.	<ul style="list-style-type: none">- Guidelines,- Recommendation and sharing experiences among economies.
January – February 2023	<ul style="list-style-type: none">- Drafting final report.	<ul style="list-style-type: none">- Final report.



Capacity Building on Vessel Innovation to Combat Marine Debris

Progress

June 2021:

Concept Note Submission

July 2021:

CN Endorsement by OFWG

Now:

BMC for Inprinciple Approval



Determining Microplastics Distribution in Coastal Aquaculture Input System

Co-sponsoring Economies

Thailand

Chinese
Taipei



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THANK YOU



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