

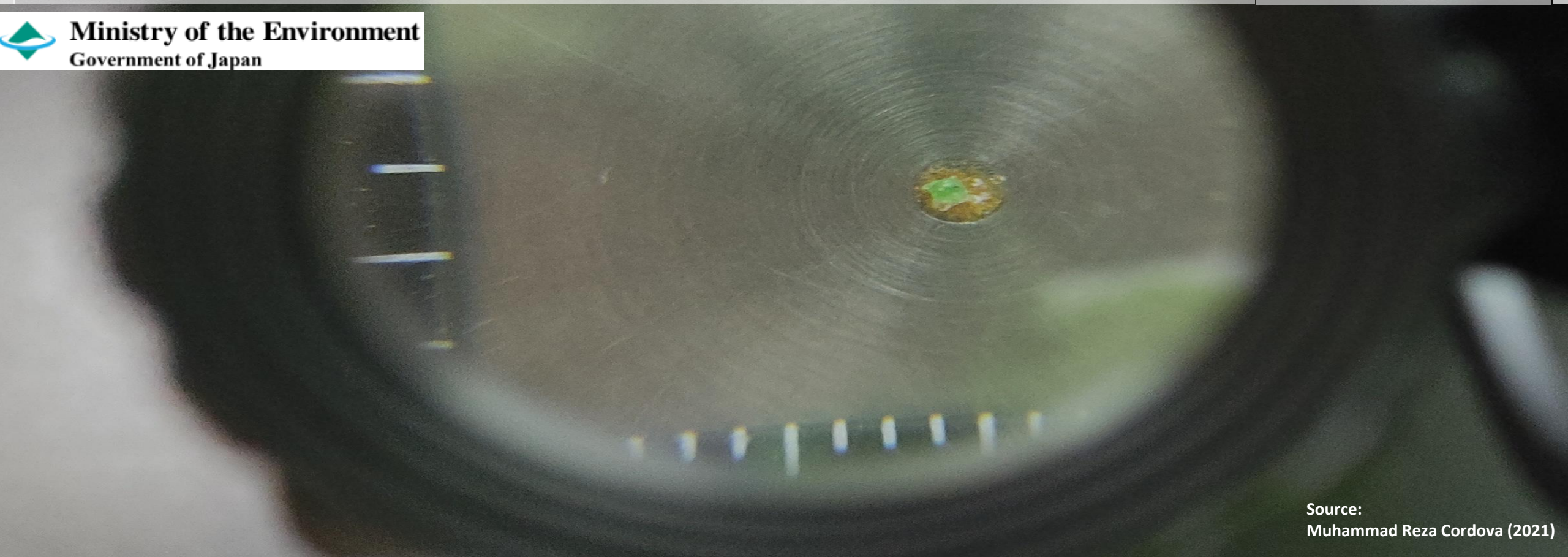
Microplastic Contamination in Southeast Asia: Monitoring Today, Protecting Tomorrow

AOMI Database Workshop: Enhancing Ocean Microplastics Monitoring

8 October 2024



Ministry of the Environment
Government of Japan



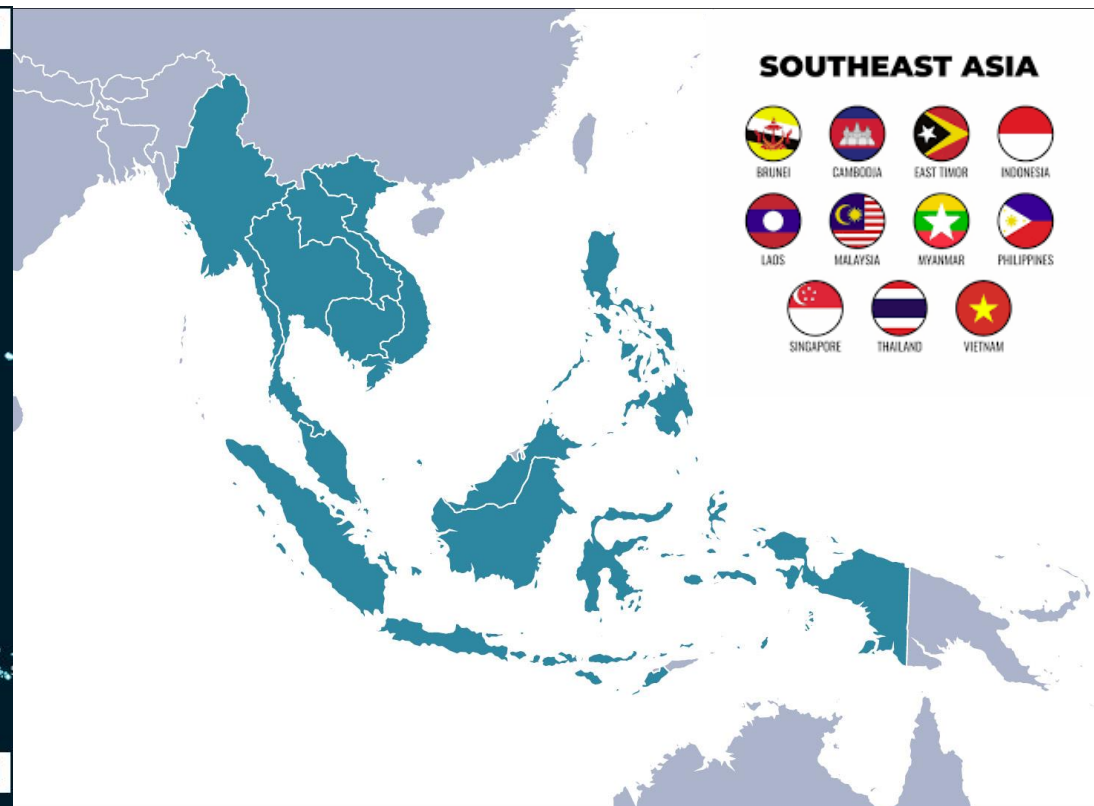
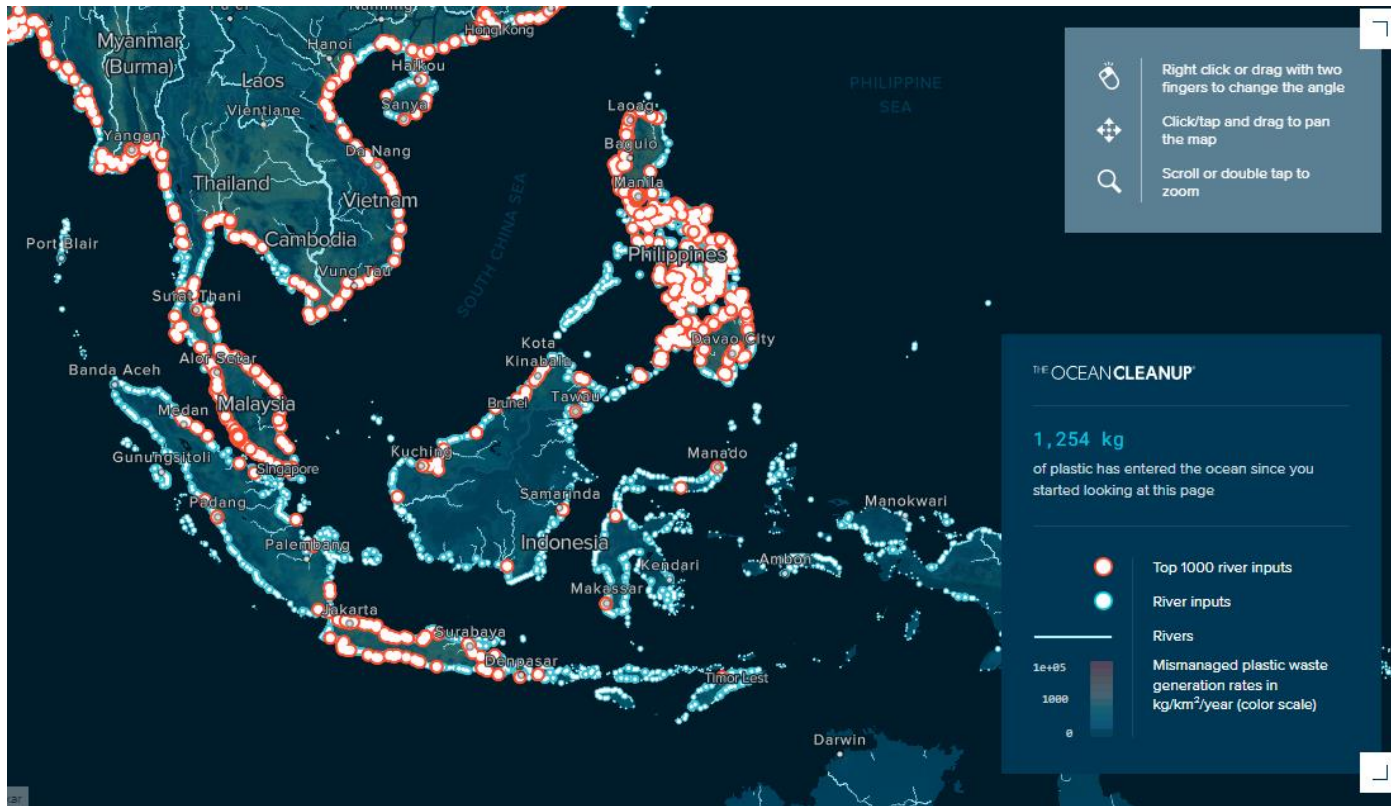
Source:
Muhammad Reza Cordova (2021)



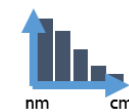
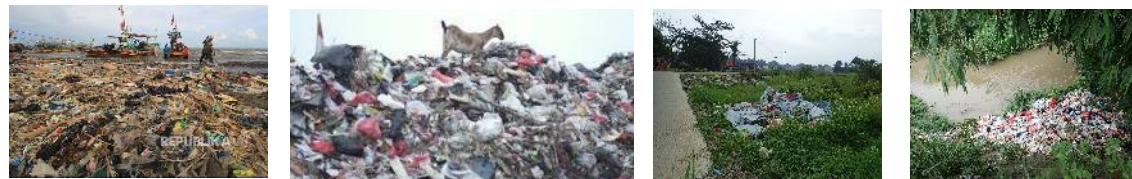
Research Center for Oceanography (PRO)
The Indonesian National Research and Innovation Agency

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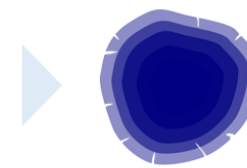
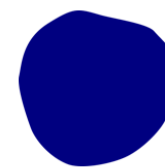
Introduction



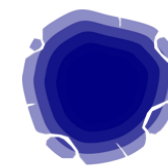
<https://theoceancleanup.com/sources/>



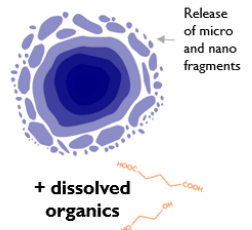
UK Centre for Ecology & Hydrology



Chemical degradation

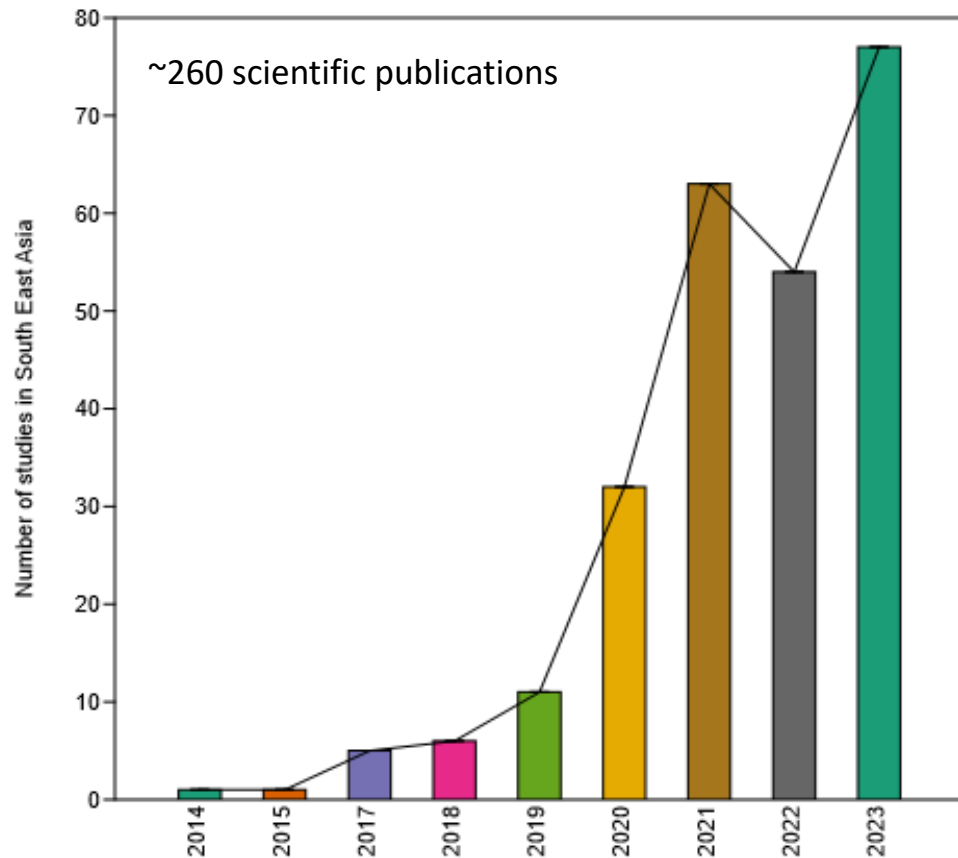
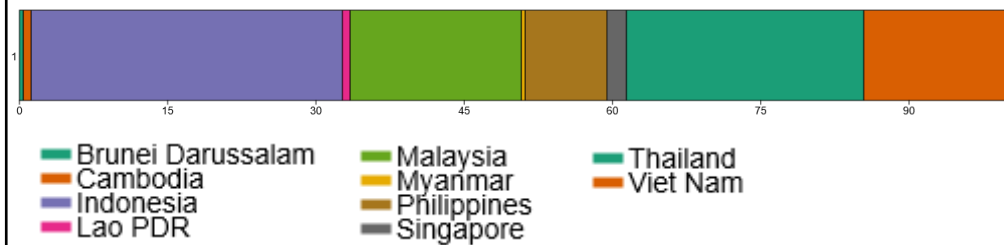


Mechanical fragmentation

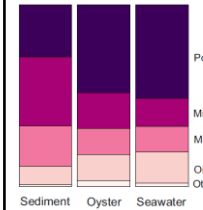


Regional overview on microplastic contamination

Publications proportion by countries

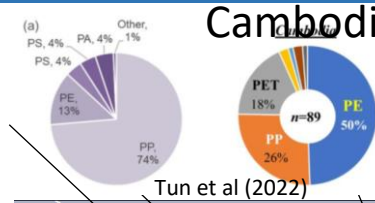


Myanmar



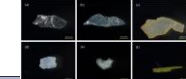
Littman et al (2022)

Cambodia



Tun et al (2022)

Lao PDR

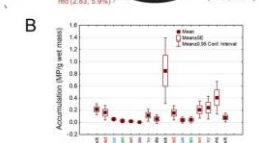
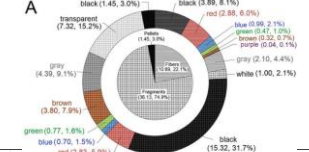


Noudeng et al (2022)

Viet Nam

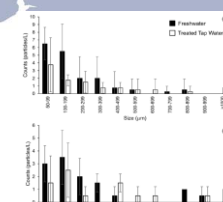


Brunei Darussalam



Lee et al (2022)

Thailand



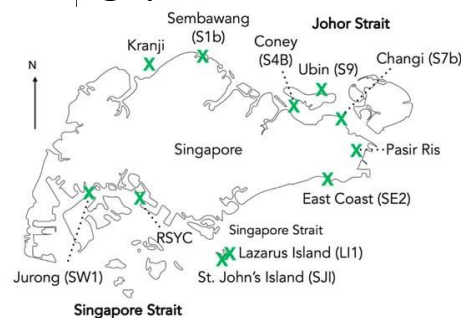
Chanpiwat and Damrongsiri (2021)

Malaysia



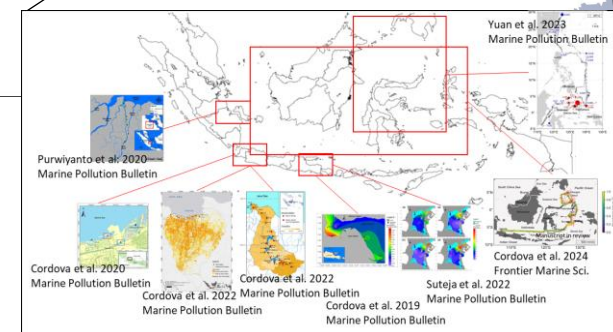
Praveena et al. (2018), Rahim et al. (2022)

Singapore



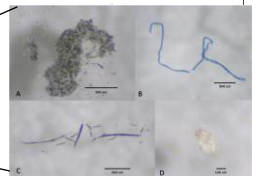
Curren et al 2024

Indonesia



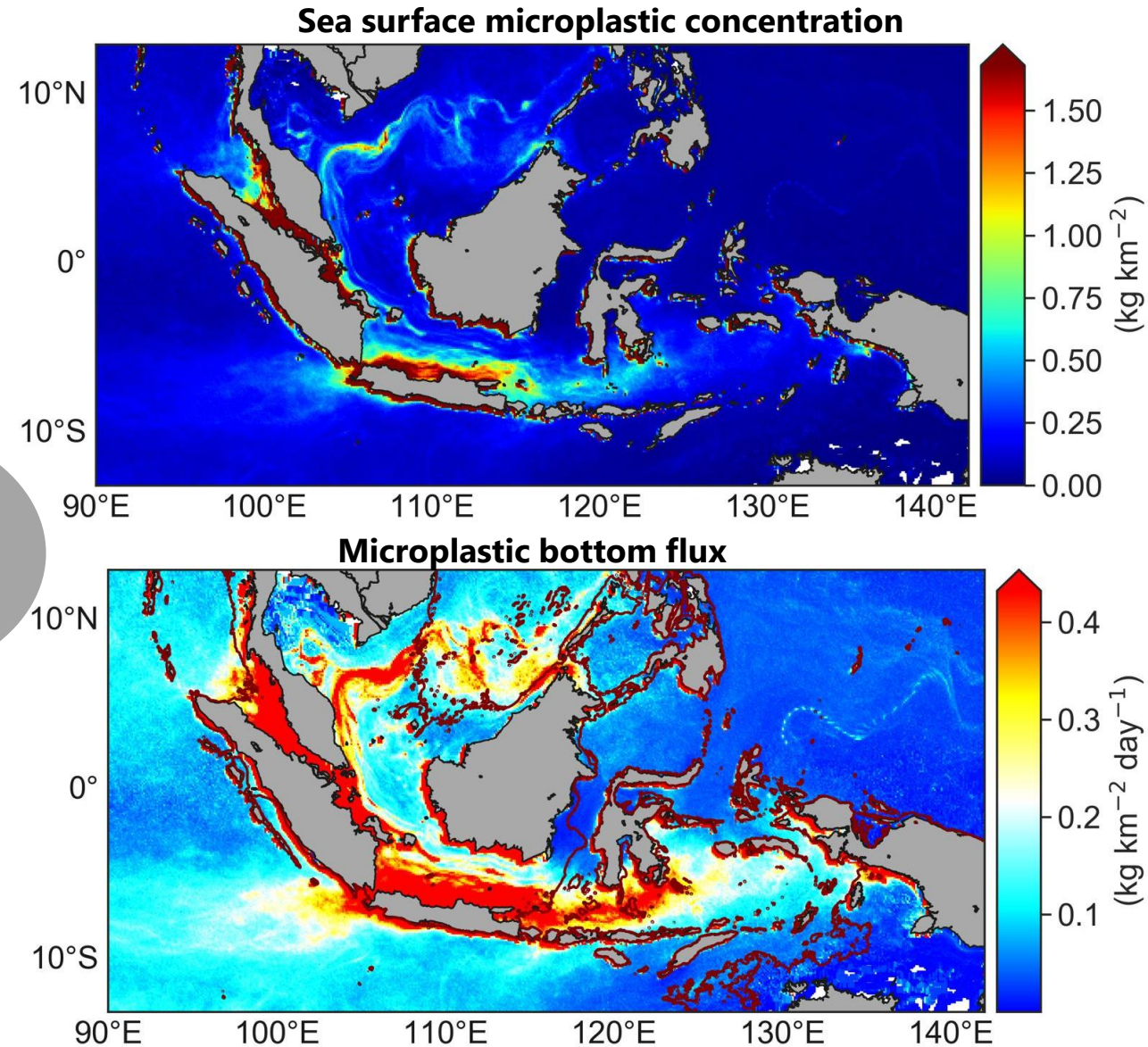
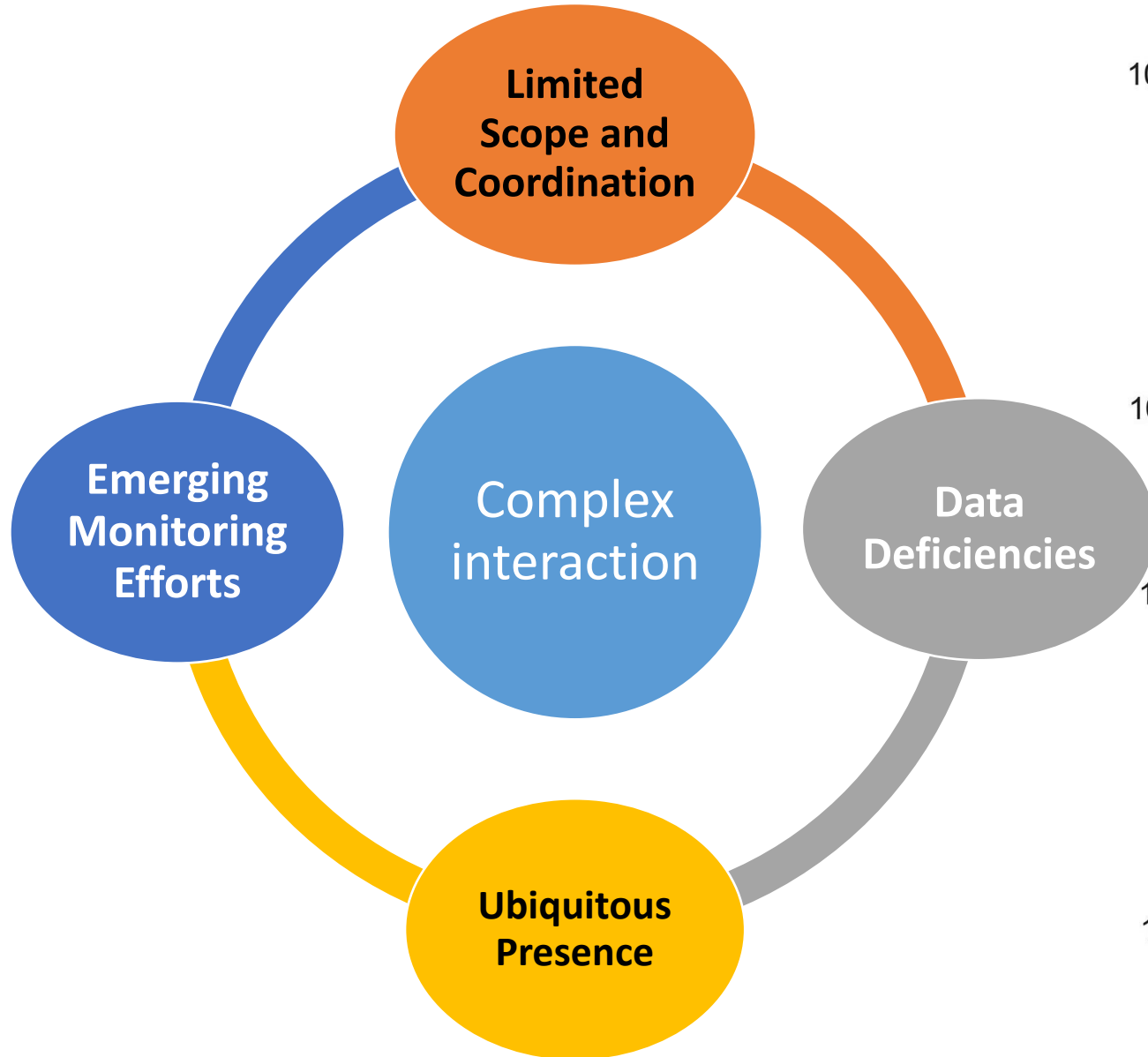
Cordova et al, in prep

The Philippines

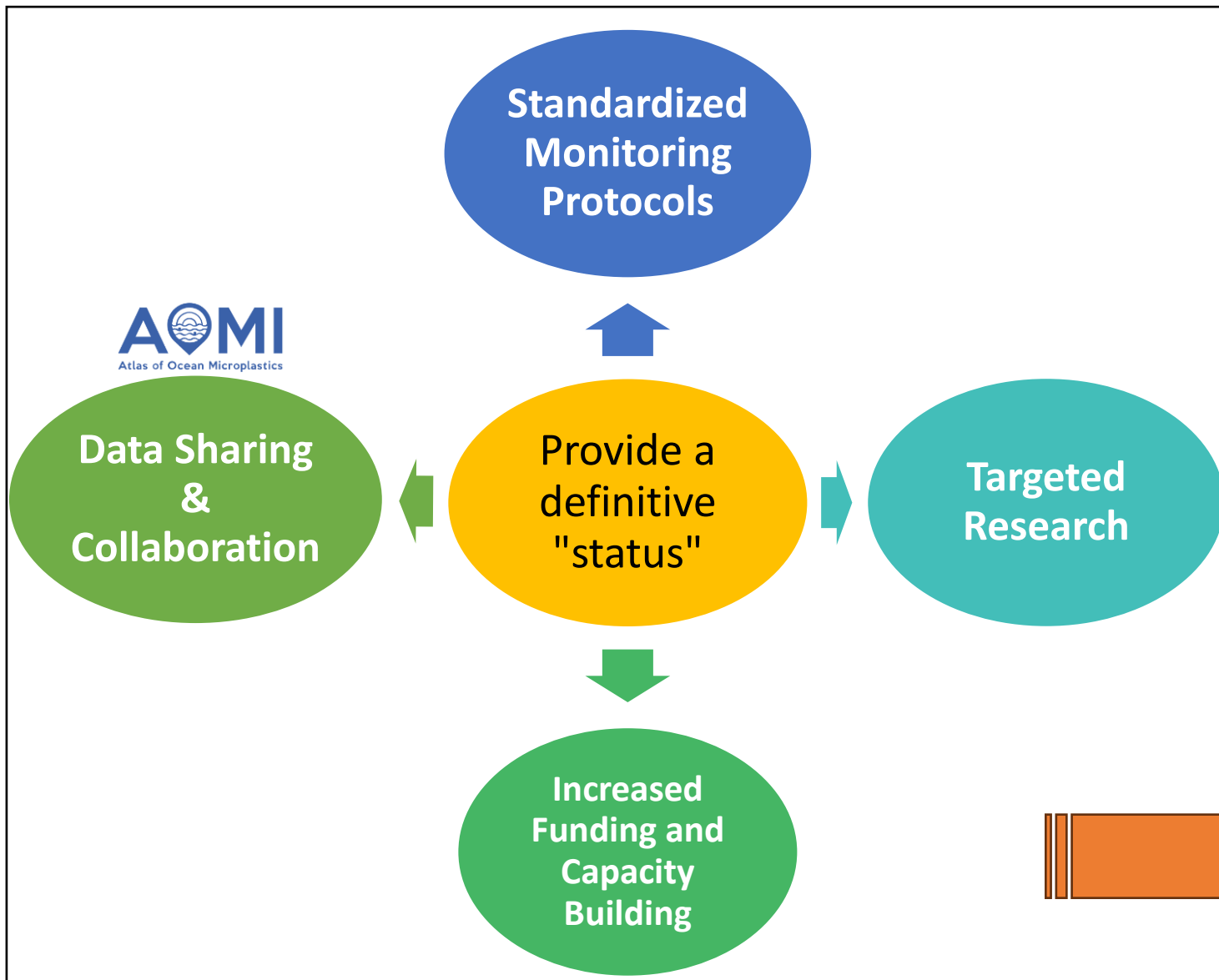


Romarate et al (2023)

South East Asia's Microplastic Research Challenge



Call to Action – Take Home Messages



**A clean, healthy
Southeast Asian seas**