

2020 UNEP

Ad Hoc open-ended Expert Group on Marine Litter and Microplastic

Status Quo of Marine Debris Management in ROK

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Status Quo in ROK

145,258 tons of Marine Debris is generated every year in ROK

- **Land based MD: 94,814 tons (65%), Sea-based MD: 50,444 tons (35%)**
 - * Inflow of fallen trees due to natural disasters: 62,080 tons (43%), Fishing gear: 38,105 tons (26%)
- **Amount of existing Marine Debris : 148,721 tons**
 - * Shoreline 27,995 tons, sunken 114,977 tons, floating 5,749 tons



Floating Debris



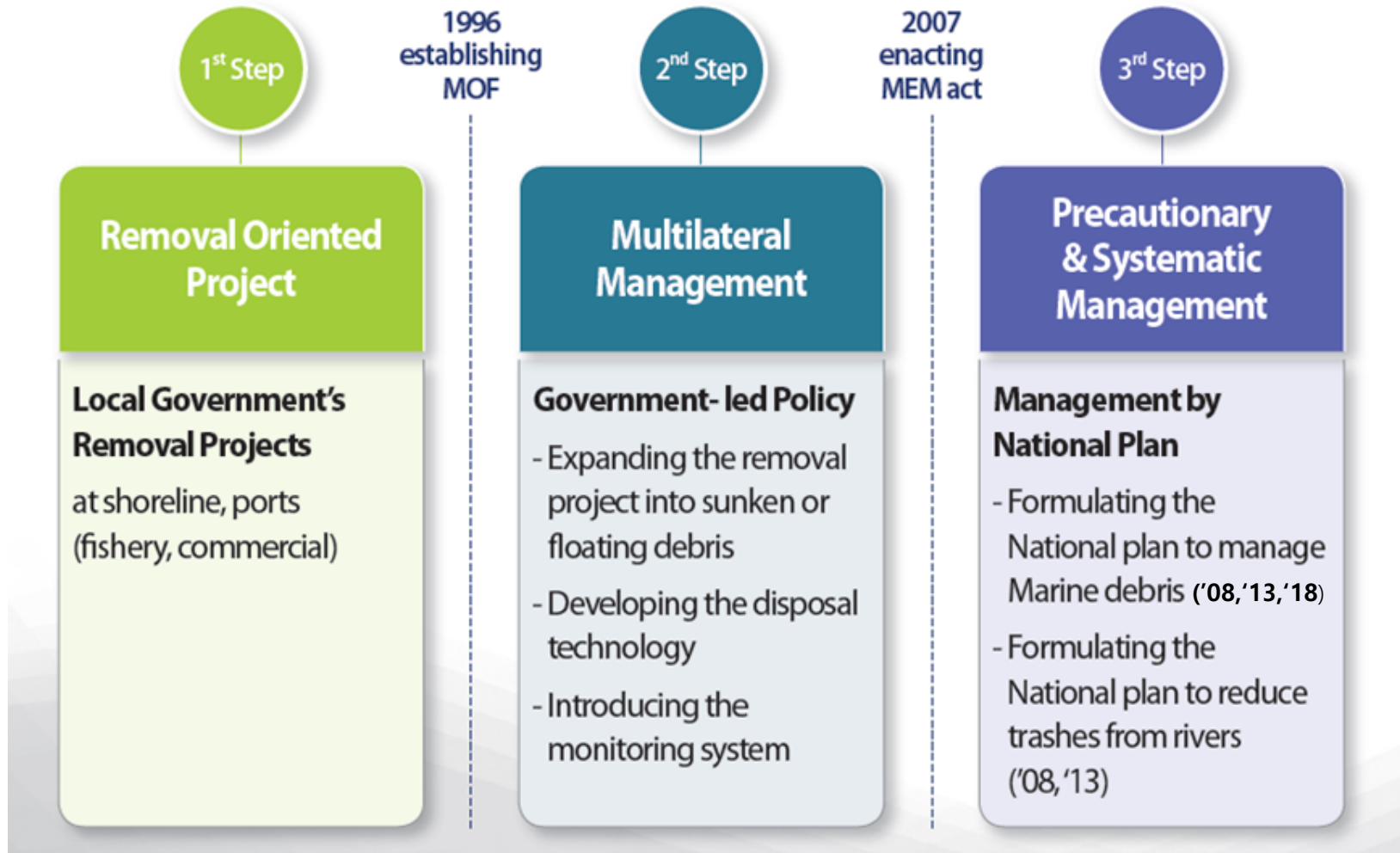
Shoreline Debris



Sunken Debris

(* Data from [the 3rd National Marine Debris Management Plan\(2018\)](#) / [Ministry of Oceans and Fisheries of ROK](#))

Marine Debris Management in ROK



■ Establishing Comprehensive Marine Debris Management Plan

Legal Basis

- Policy measures established **every 5 years** according to the Marine Environment Management Act, Article '24'
- **Inter-ministerial policy collaboration** between MOF-MOE-KCG

Progress and Budget

- **1st PLAN (2009-2013)** Appx. US\$ 240 million
- **2nd PLAN (2014-2018)** Appx. US\$ 330 million
- **3rd PLAN (2019-2023)** Appx. US\$ 880 million

National Marine Debris Management Plan (3rd, 2019-2023)

* Established every 5 years according to the Marine Environment Management Act

1

Intensive Management of Marine Debris Sources

Enhance Management of Marine Debris from the multiple different sources (Land, Sea, Foreign sources)

2

Reinforcement of Marine Debris Collection System

Efficientate the collection system by reducing blind spots and expanding collection target areas

13 Tasks
\$880 Millions

Promoting Marine Debris Disposal and Recycling

Installing pre-processing facilities of MD, as well as MD reception facilities, Introducing substitute materials

Strengthen Marine Debris Management Capacity and Raise Public Awareness

Enactment of 'Marine Debris Management Act', Microplastic monitoring, Public Campaigns and education on MD

3

4

Marine Debris Policies of ROK

Marine Debris Management Center



- established in 2011(1st National Marine Litter Management Plan)
- Undertakes various activities and tasks related to Marine Debris (Marine debris monitoring, Policy research and development, International Cooperation etc.)

Marine Debris Monitoring



Info. Management

구분	연도	조사건수	조사량 (kg)
해양쓰레기조사	2011	1,000	100,000
	2012	1,500	150,000
해양쓰레기조사	2013	2,000	200,000
	2014	2,500	250,000
해양쓰레기조사	2015	3,000	300,000
	2016	3,500	350,000
해양쓰레기조사	2017	4,000	400,000
	2018	4,500	450,000
해양쓰레기조사	2019	5,000	500,000
	2020	5,500	550,000
해양쓰레기조사	2021	6,000	600,000
	2022	6,500	650,000



Policy Support



International Cooperation



■ Distribution of Eco-friendly Fishing Gears

- **Objectives**

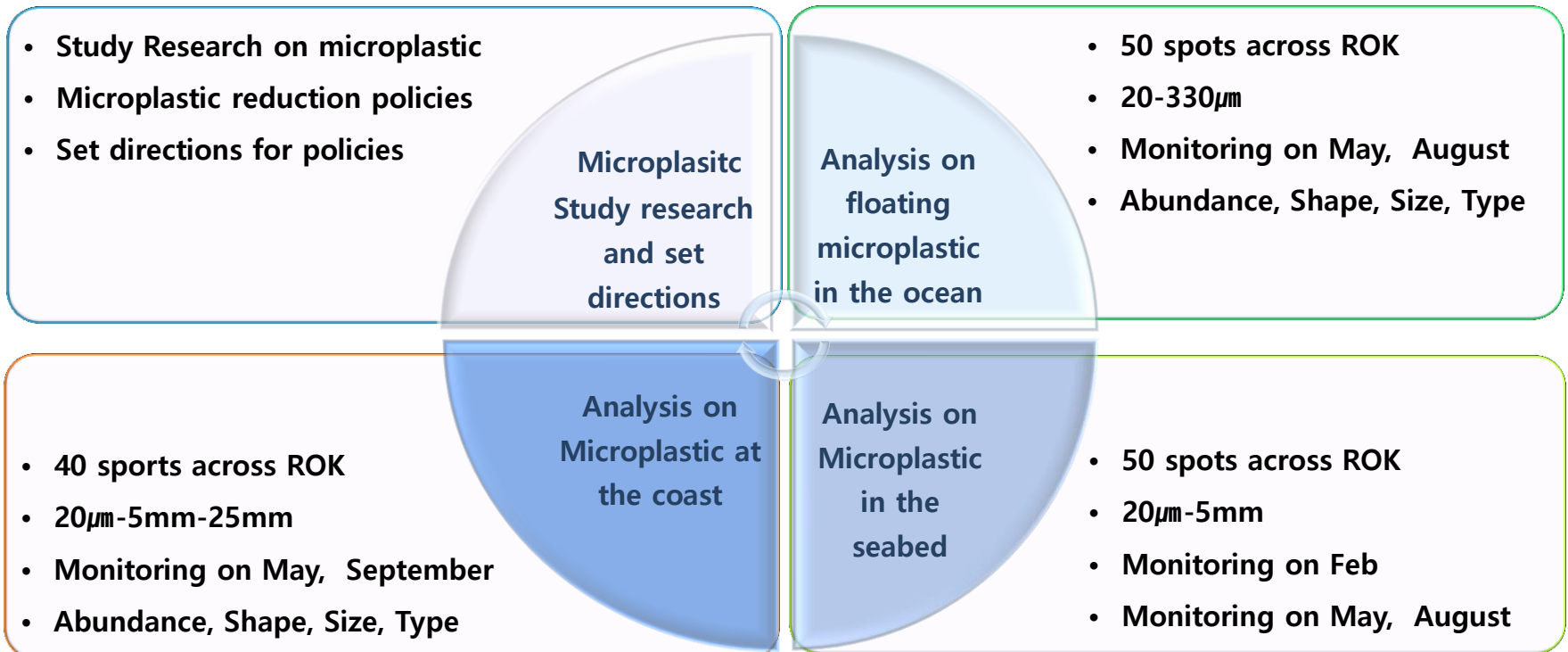
- Expand the distribution of eco-friendly buoys and fishing nets in aquaculture farms where styrofoam buoys are widely used
- Continue developing eco-friendly fishing gears capable of replacing existing styrofoam buoys and fishing nets



■ Mapping Microplastic distribution

• Objectives

- Conduct analysis to measure microplastic pollution level at coasts, offshore and to map the distribution of microplastic in ROK
- Study microplastic attached to marine biota



■ Master Plan on Marine Plastic Debris (2019)

Vision and Goal

< Objectives >

» Create clean and safe oceans free of Waste

< Goal >

» Reduce 50% of Marine Plastic Debris By 2030

Action

Prevention of Marine Plastic Debris generation

1. Enhance management of sea-based sources
2. Enhance management of land-based sources
3. Enhance management of foreign-based sources

Expansion of Marine Plastic Debris Collection and transporting Systems

1. Reduce blind Spots in management
2. Improve waste collection programs by sea areas
3. Increase public and local participation

Expansion of Marine Plastic Debris Disposal and Recycling

1. Expand collection platforms
2. Invigorate recycling

Strengthen Management Capacity and Public relations

1. Enact Marine Waste Management Act
2. Strengthen research and monitoring on Micro plastics
3. Strengthen customized education per subject
4. Boost public relations

■ **‘Marine Debris Management Act(to be put into effect in 2020.Dec)’**

- » Reinforce the accountability of polluters, expand recycling of marine debris, and ensure marine debris is handled in eco-friendly way
- » Enact legislation to prevent the inflow of Marine Debris into the ocean, conduct an investigation on the current state of the marine litter issue, etc.
- » Enhance the role of ‘Marine Debris Management Center’





THANK YOU
FOR YOUR ATTENTION