



A Global Platform for Marine Debris Collection and Recycling.

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VISION :

The world of ZERO marine debris

MISSION :

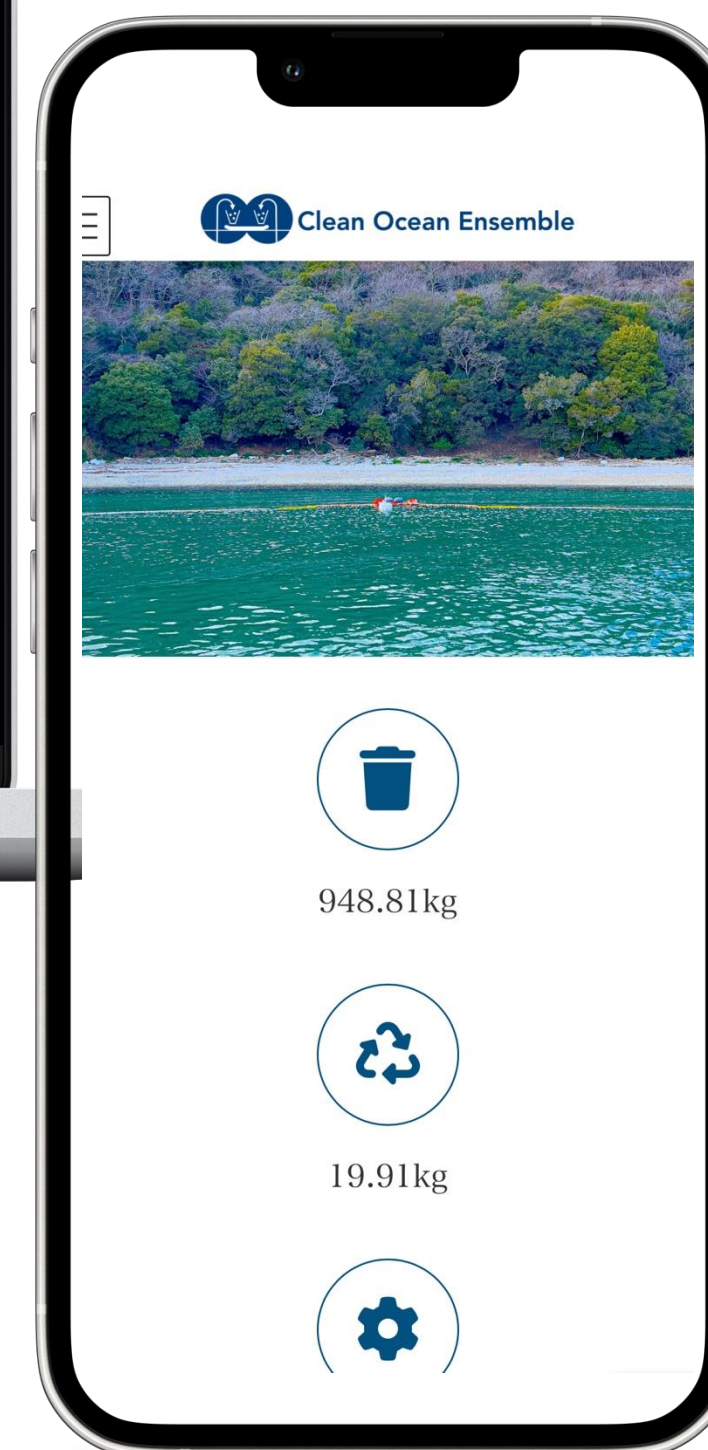
Developing innovative technologies, advancing business bases, and creating a system that reduce marine waste and support long-term, sustainable use of ocean.

LOCATION :

Shodoshima, Kagawa Prefecture, Japan

Maputo, Mozambique

Vũng Tàu Vietnam



Problem of Marine Debris

Marine Debris Problem :

Millions of tons of waste are dumped into the oceans every year, causing severe damage to marine ecosystems and wildlife.

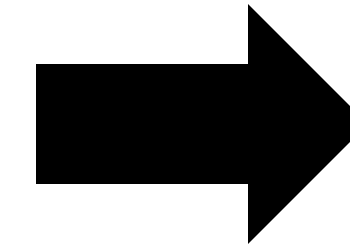
Social and Environmental Impact :

Ocean pollution negatively affects fisheries, tourism, and human health.

Economical Impact :

Negative impact on tourism, fisheries, aquaculture etc (Annual loss of about \$13 bilion)

To Solve
These Issues



How much we need to collect?

How much is being collected?



Marine Debris in Shodoshima, Kagawa Prefecture



Marine Debris in Mozambique

Marine and River Debris Collection System

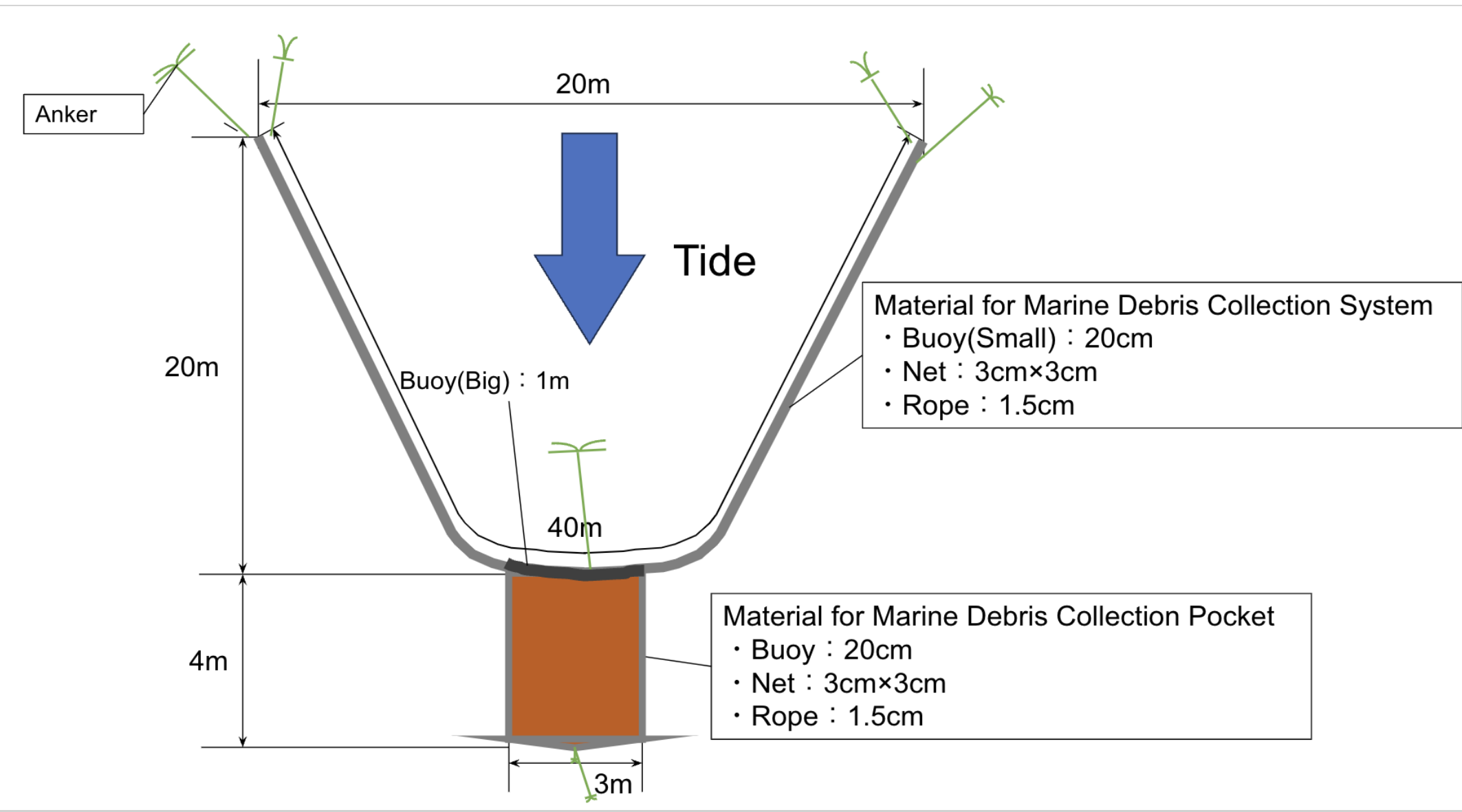


Marine and River Debris Map





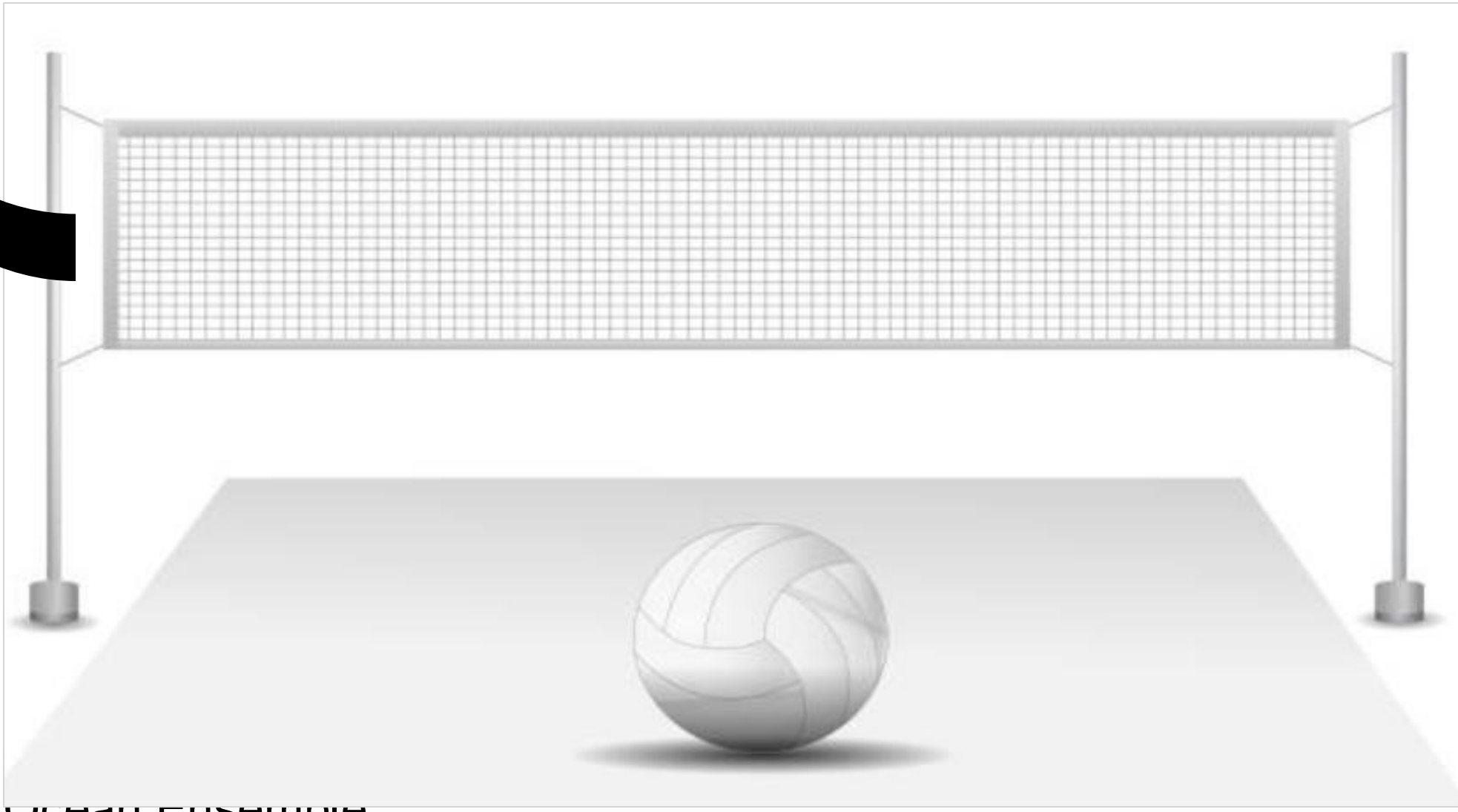
Marine Debris Collection System



Design of Marine Debris Collection System

Image of volleyball net submerged in the ocean.

Using the power of tidal current in oceans and rivers, and drifting debris is automatically collected when it's installed.





Working with fisherman in Shodoshima to set up a collection system

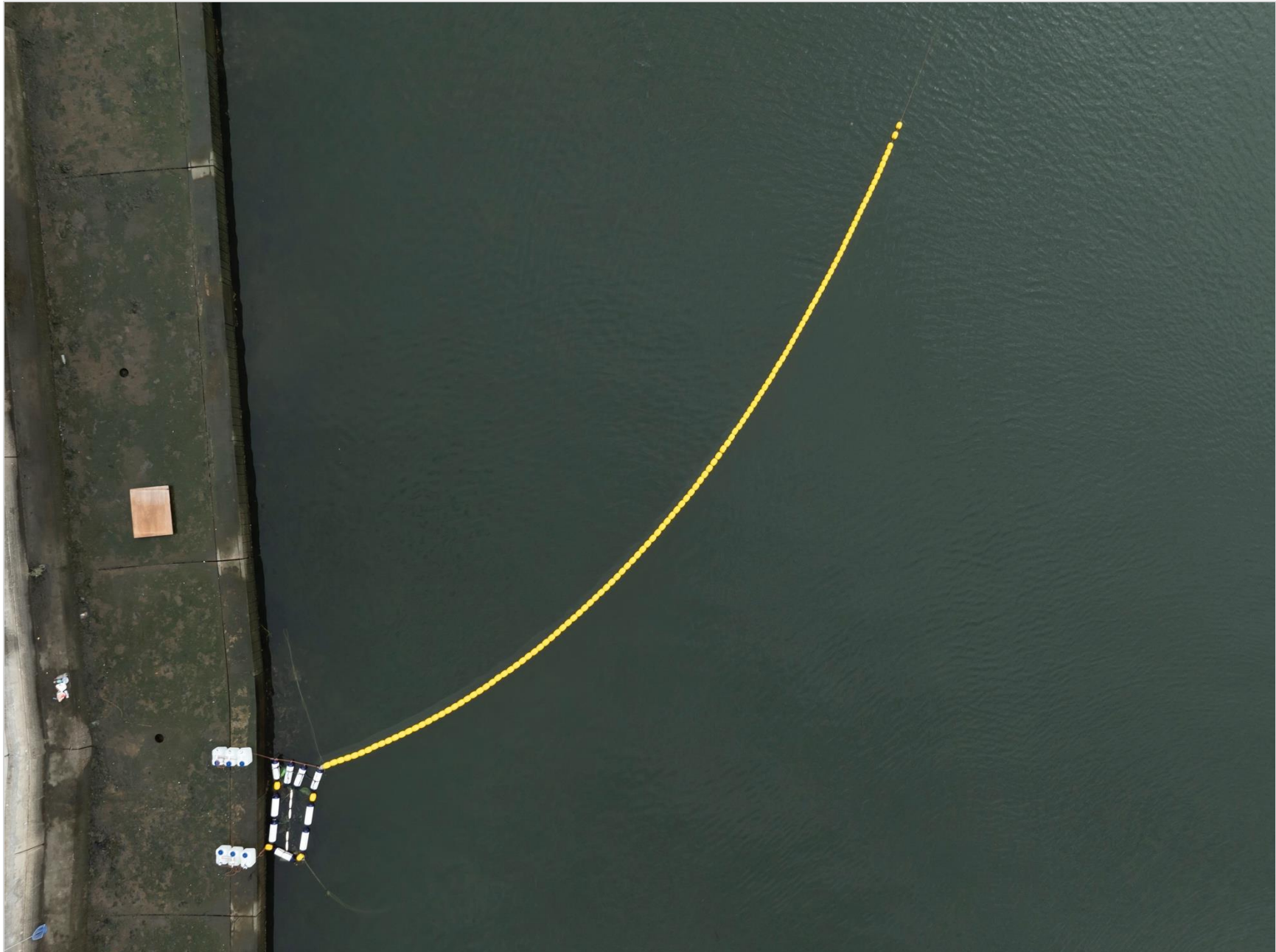


Beach with difficult access for collecting debris due to a cliff in the background @ shoudoshima

Working with local fishermen and receiving advice on the structure, creation and location of Debris Collection System.

Installing in inaccessible locations to collect marine debris and increase the amount of collection.

Marine and River Debris Collection System (Using natural power to collect debris)



We've also developed a collection system for river debris.



This system has been installed in river to collect river debris before it's discharged into the ocean.



Clean Ocean Ensemble



Clean Ocean Ensemble

Collected location information and sorting screen

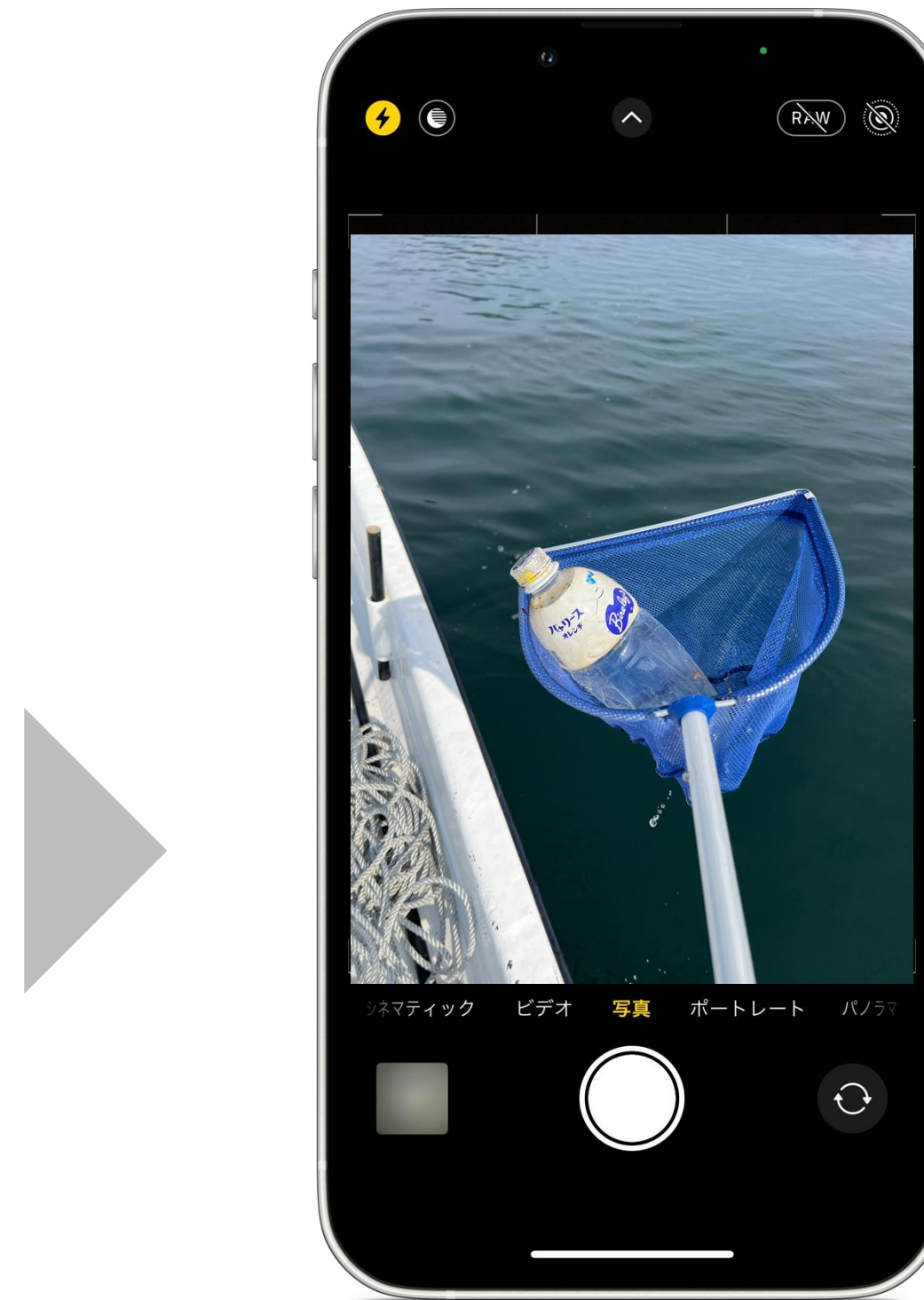
Collector and sponsor company information

How to use Marine and River debris Map



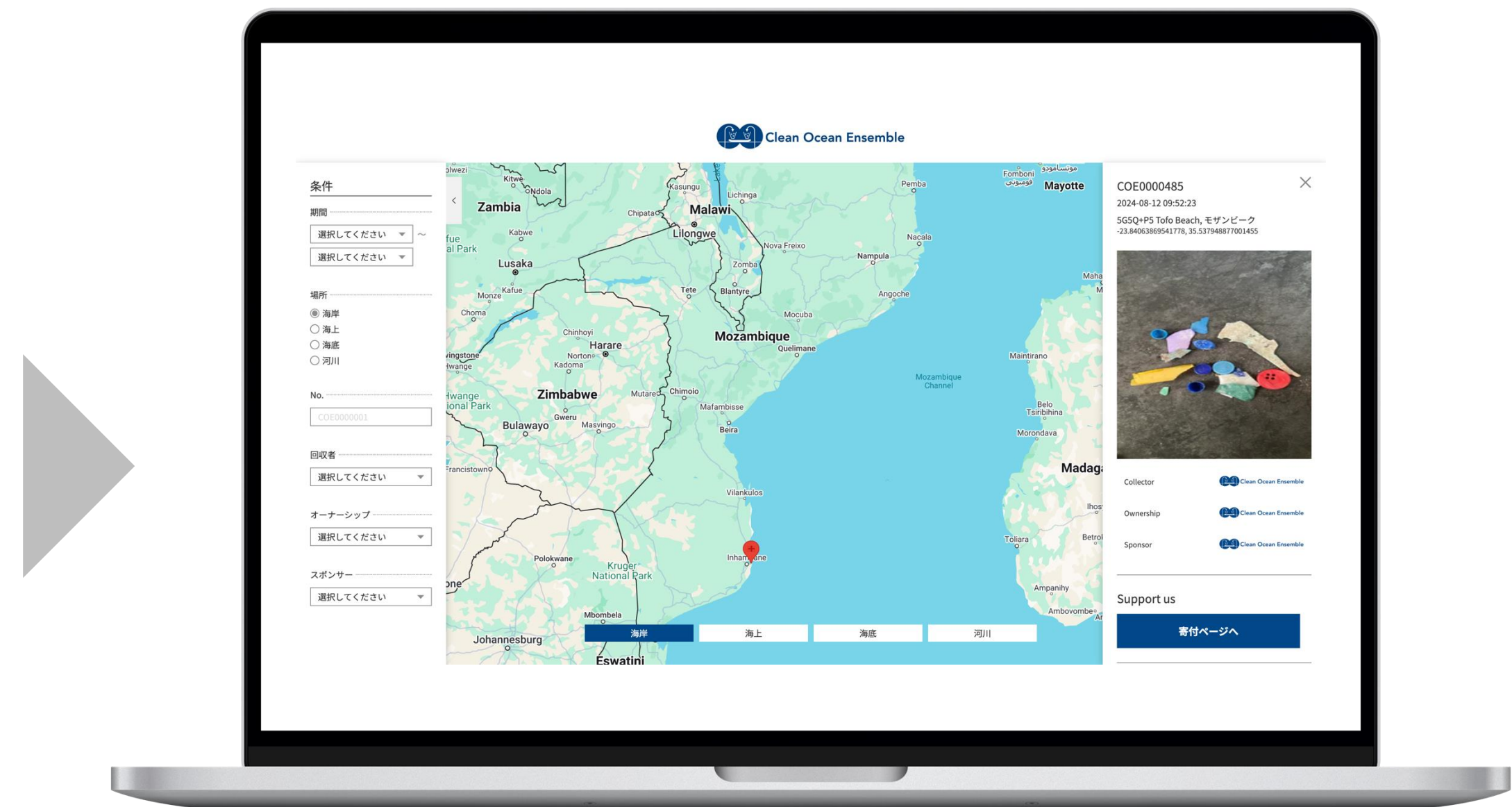
STEP 1

Collecting Debris



STEP 2

Taking a photo of debris
and uploading to the Map

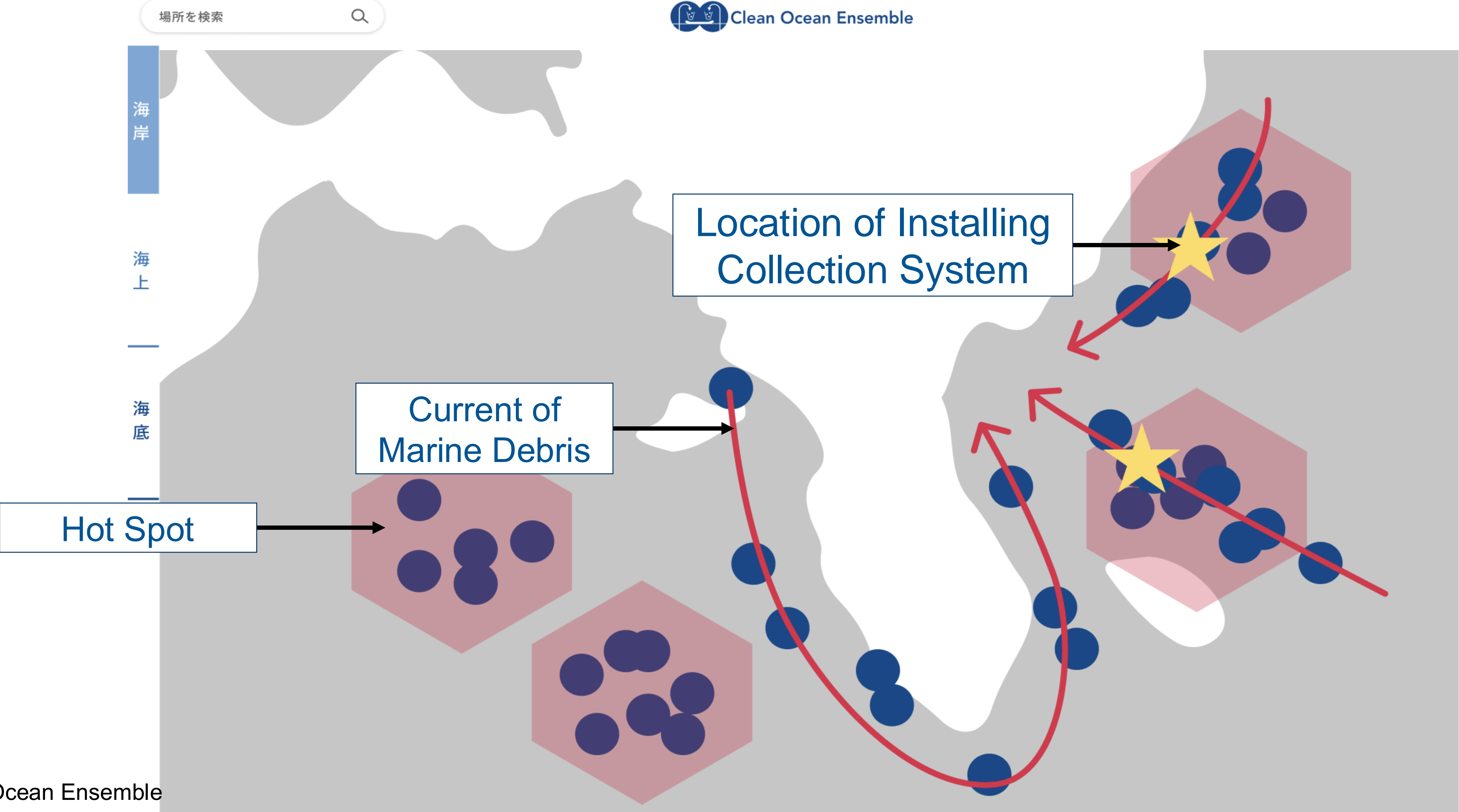


STEP 3

Mapped debris information
to the system

The Effect of the Map→Improving Collection Efficiency :

By collecting debris data, the location where debris collect (Hot Spots) can be visualized, and be leading to more efficient marine debris collection.



Business Model of Using Marine and River Debris Map :

Issuing certifications and credits for the results of collected debris can lead to incentives for collectors, and participation by companies that want to contribute to marine debris control.



Working with local fishermen to create and install Marine and River Debris Collection System

Production Process



About Mozambique Project (Since April 2024) :

2 demonstration tests were conducted at sea. We installed this system for 6h on each tests and could collect marine debris.

When we implemented this project, we could obtain a project agreement from the Ministry of Fisheries.

1st Demonstration Test



2nd Demonstration Test



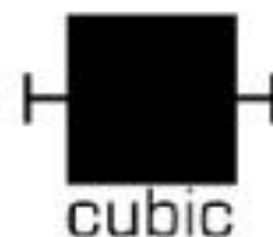
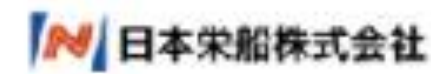
About Mozambique Project (Since April 2024) :

We also conducted a demonstration test to install the system in a river and collect river debris.

When we implemented this test, we could obtain the cooperation of the city hall and local police.



We have received support from many companies and organizations.



”Toward a World with ZERO Marine Debris”

To realize this grand goal, it’s not enough for us to do it alone.

Let’s work ENSEMBLE (Together) to tackle this problem!

Thank you! Muito Obrigado!

