

# Reduce marine debris drifting into the Northwest Pacific and South China Sea using each local community.



Image quotes from: Japan Committee for UNICEF

## Purpose

Many people will gain a better understanding of the current state of marine debris, and through our action plan, we'd like to take steps to reduce marine debris from the narrow scope of Asia.

## Background

- Today, a lot of garbage is making its way into the oceans.
- The amount of new inflows are more than the amount collected.
- Many people litter garbage into the oceans, rivers and nature.

BUT If we can inform and educate as many people as possible about the current situation

→ People are becoming more and more aware of the danger of marine pollution.

It can be expected to revitalize local communities and create an earth-friendly society.

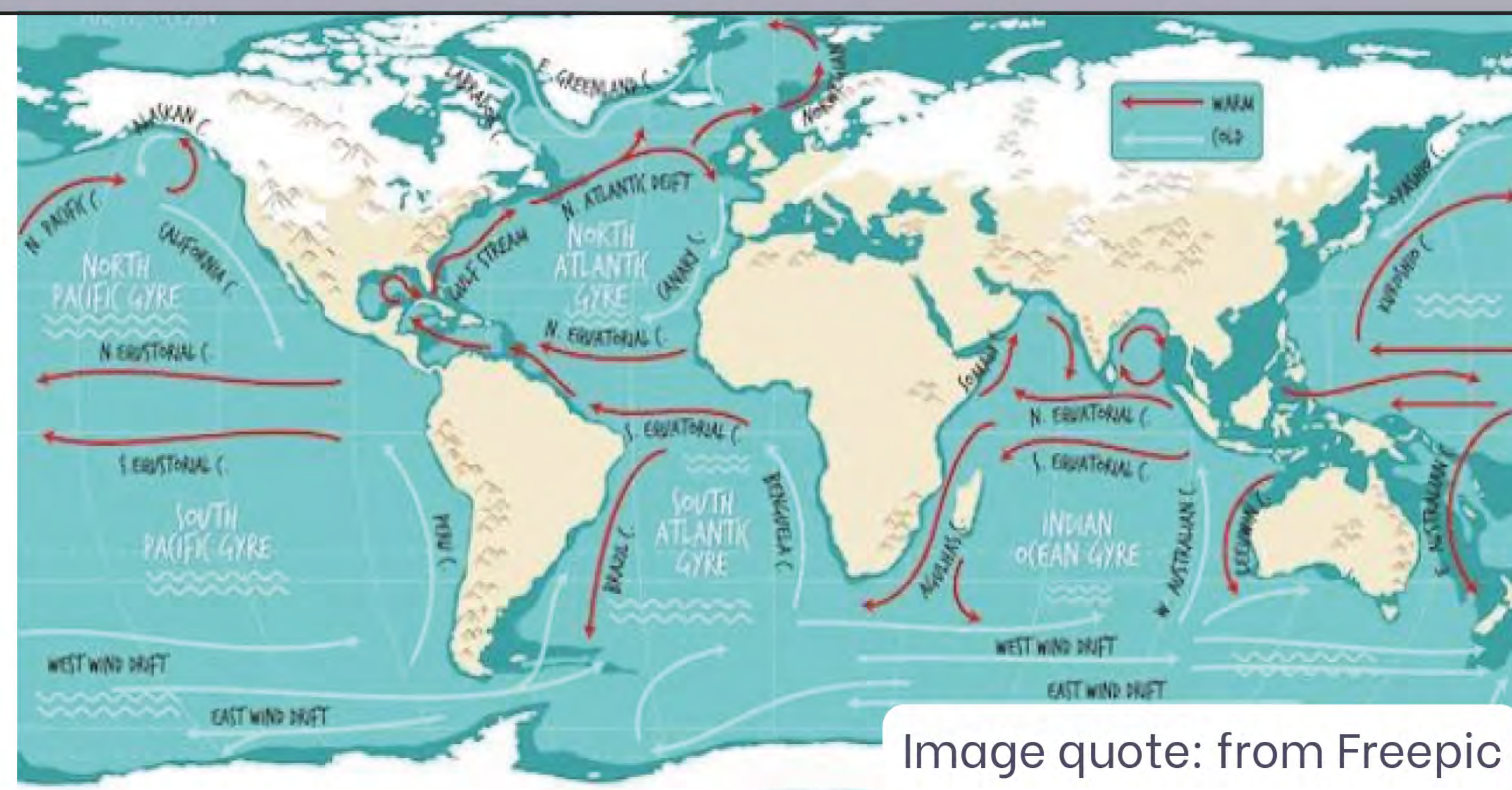


Image quote: from Freepic

### Survey 1

Understand the current situation through a questionnaire.

### Survey 2

Pick up Ocean Debris washed up on coasts and know the real situation of Ocean pollution.

### Survey 3

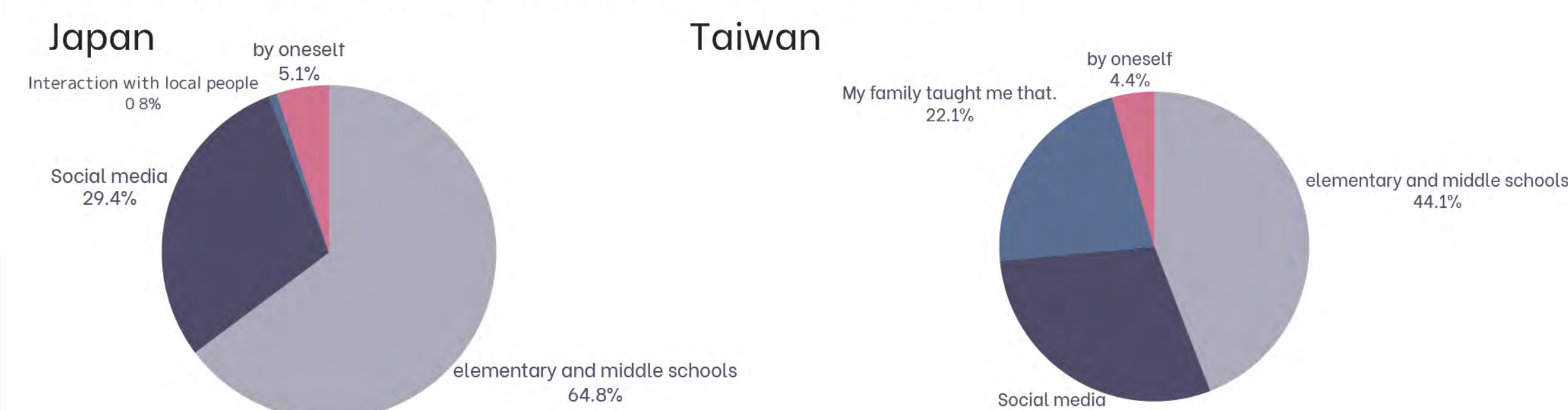
Develop and implement a trial plan for coastal clean up activities using the local community.

## Results

### Survey 1

We conducted a survey of our school students (119) and Taiwanese (18).

#### Question 1) How did you learn about marine debris?



#### Question 2) What should we do to reduce Ocean Debris?

- | Top 3 (Japanese)   | Top 3 (Taiwanese)                                       |
|--|---|
| 1) Improve sense of impending crisis of marine debris.     | 1) Enactment of strict International Law.               |
| 2) Do coastal clean up activities regularly.               | 2) Forming international cooperation between countries. |
| 3) Ensure that garbage is disposed of in designated areas. | 3) Use of environmentally friendly products.            |

### Survey 2

We did coastal clean up activity in Kesennuma Okawa River.



We picked up a lot of Plastic Garbage.

Most interesting data is ...

The soil had Micro Plastics ↓

This image shows soil between 0.1 mm and 0.5 mm.

These micro plastics are so tiny, thus it's difficult to collect them all perfectly.



### Survey 3

In Taiwan, people are actually doing some activities which reduce debris.

Like) Receive a discount for bringing your own bottle, chopsticks, and straws at restaurants.

Action plan that we can take with reference to Taiwan.

- Providing coupons and gift certificates that can be used in the community to organizations that have conducted ocean cleanups.

⇒ If this plan can be implemented, it should improve people's willingness to participate and reduce ocean debris.



## Conclusion

We can't completely reduce marine debris. However, With our action plan...

- We'll be able to collect marine debris efficiently.
  - We can solve many of Japan's problems.
- Like) Isolation and Decline of local communities  
So We will propose a regional action plan  
Especially) North Atlantic, the East China Sea, etc.  
And we have to do...
- Post announcements of implementation dates.
  - And the progress of future activities.

## Related Literature

[https://www.jaczs.com/03-journal/ronbun/koukai/2019\\_8\\_treatise.pdf](https://www.jaczs.com/03-journal/ronbun/koukai/2019_8_treatise.pdf)

## Others

We made a web site which introduces marine debris.

Thus, if you are interested in it, please check it out!

Our websites ⇨

