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Japan Clean Ocean Material Alliance

Toward Cooperation with Japanese Companies on Marine Plastic Waste in Vietnam

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Executive Committee Member of CLOMA



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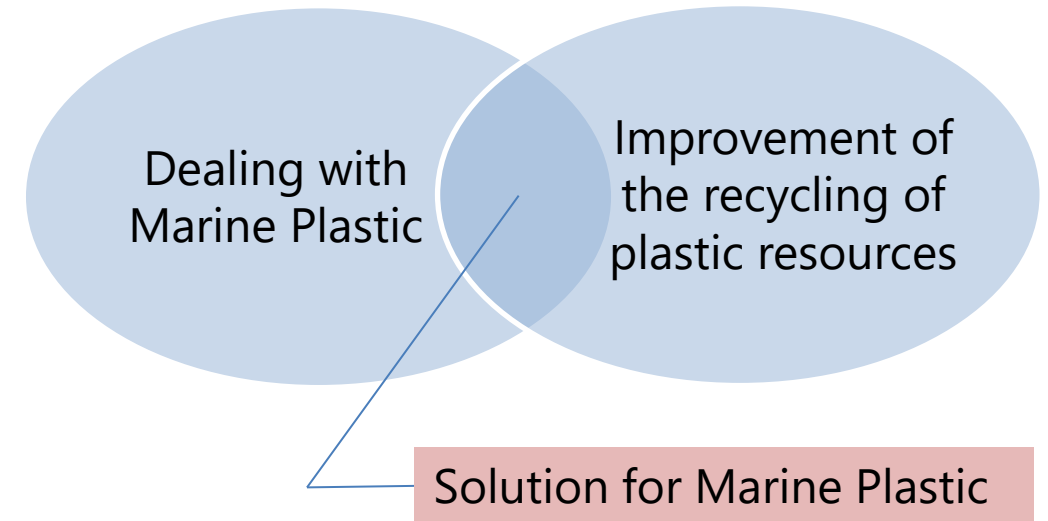
- I. Toward the solution for marine plastic
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1. Toward the Solution for Marine Plastic

Plastic is essential to our lives, but some are released into the environment at each step of its life cycle and end up in the oceans.



In order to solve the marine plastic problem, it is necessary to improve the recycling of plastic resources in addition to dealing with the marine plastic itself.



2. What is CLOMA?

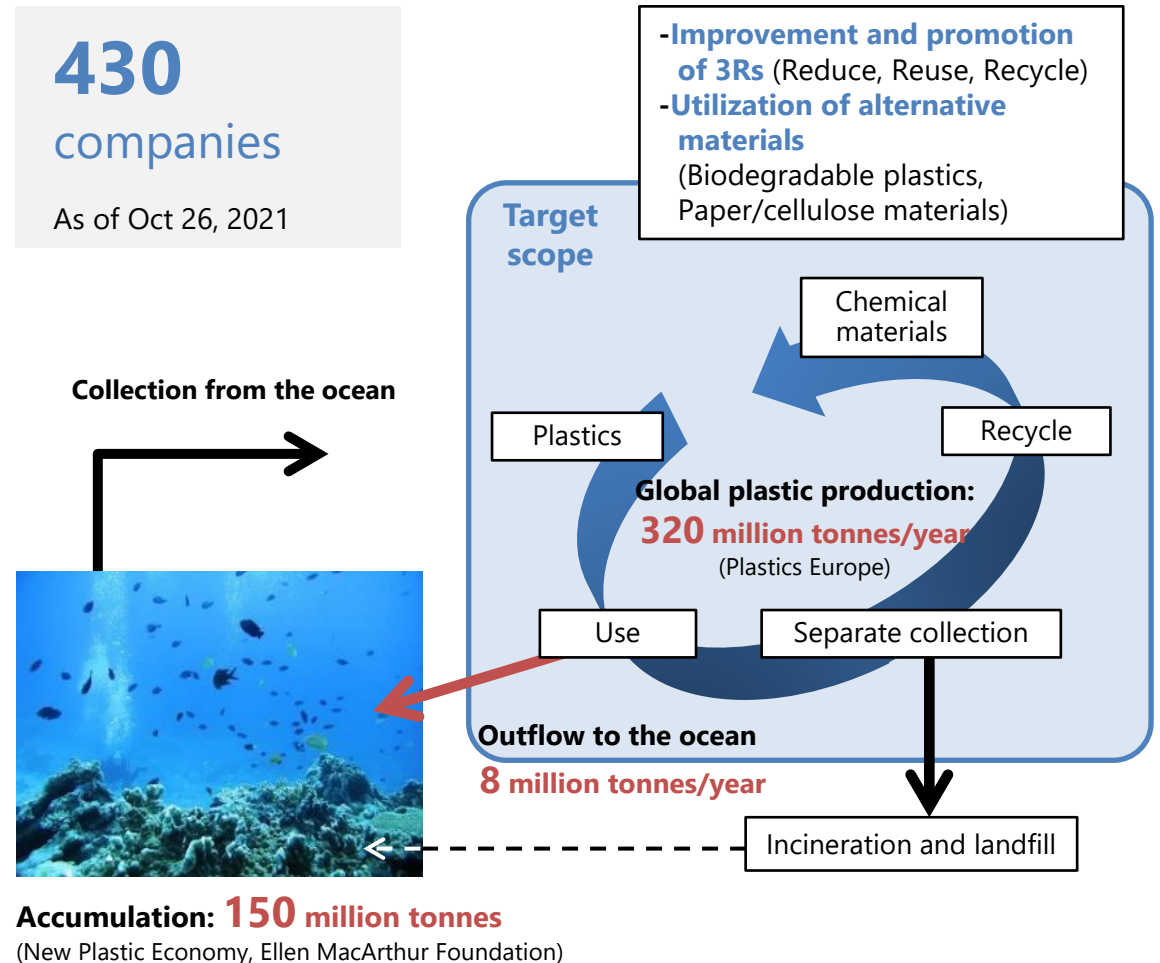


Japan Clean Ocean Material Alliance (CLOMA)

- Established in 2019 mainly by companies that are responsible for supply chain of consumer products;
- Brings together the technologies and know-how cultivated by Japanese industry;
- Accelerates the innovation of the 3Rs (Reduce, Reuse and Recycle) and alternative materials through public-private partnerships;
- Aims a thorough recycling of plastic and;
- Disseminates the "Japanese model," a made-in-Japan solution that aims to reduce marine plastic litter to zero in cooperation with consumers and society.

430
companies

As of Oct 26, 2021



3. CLOMA's Basic Activities and Action Plans



CLOMA has 3 WGs as basic activities and 5 Key Actions as activities for each issue.

	2019/1	2020/5	...2030	...2050
Activities for each issue		<div style="border: 2px solid red; padding: 5px;"> <p><u>CLOMA Action Plan</u></p> <p>Key Action 1 Reduction of plastic use</p> <p>Key Action 2 Improvement of the material recycling rate</p> <p>Key Action 3 Development and social implementation of chemical recycling technologies</p> <p>Key Action 4 Development and use of biodegradable plastic</p> <p>Key Action 5 Development and use of paper and cellulose materials</p> </div>		
Basic Activities	<div style="background-color: #0056b3; color: white; padding: 5px; display: inline-block; transform: rotate(180deg);">Propose issues</div>		<div style="background-color: #800000; color: white; padding: 5px; display: inline-block; transform: rotate(180deg);">Solution</div>	
	<div style="background-color: #add8e6; padding: 5px; border: 1px solid #add8e6;"> <p><Dissemination and Promotion WG> Best practice introduction seminar, Seeds/Needs database, Raise awareness through exhibition</p> </div>			<p>Proposal of social system ->Global expansion</p>
	<div style="background-color: #add8e6; padding: 5px; border: 1px solid #add8e6;"> <p><Technology WG> CLOMA vision, CLOMA forum, technical seminar</p> </div>			
	<div style="background-color: #ffcc99; padding: 5px; border: 1px solid #ffcc99;"> <p><International WG> International organization network, Indonesia Cooperation WG</p> </div>			

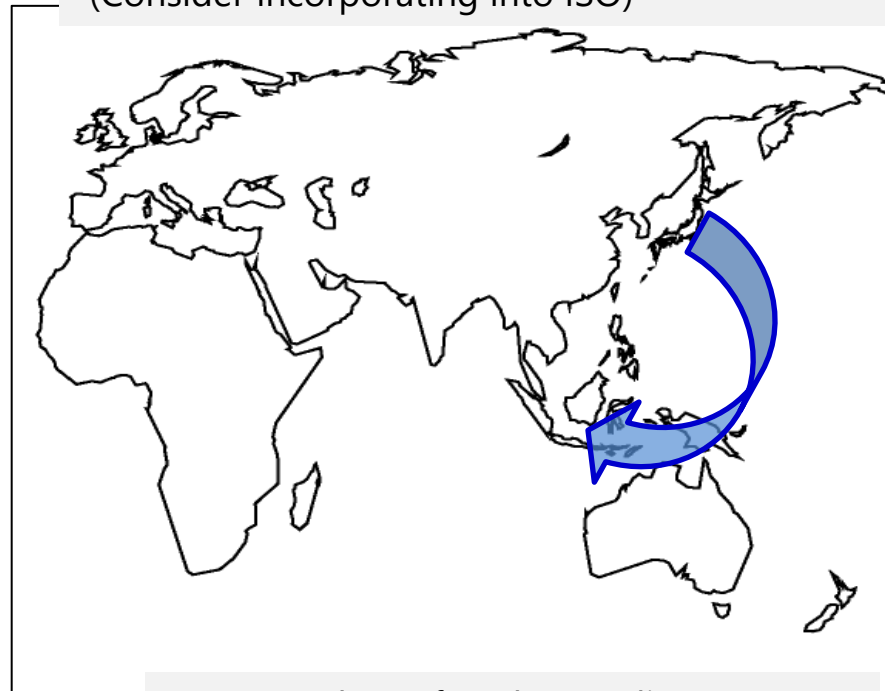
4. Dissemination to the World by CLOMA



CLOMA will disseminate the “Japanese Model,” solution from Japan to the world.

Standardization of environmentally-compatible design → Global promotion

- New design standards for “Reduce”
- Design standards for plastic bottles (Consider incorporating into ISO)
- Method to evaluate biodegradability of paper and cellulose materials (Consider incorporating into ISO)



International contribution

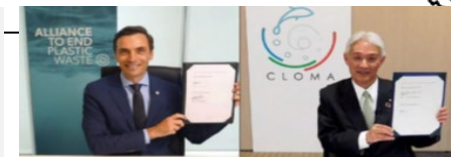
- Dissemination across Asia (Indonesia, **Vietnam**, Philippines, etc.)
- Global promotion

Indonesia Cooperation WG

Alliance with international organizations and NGOs

Public relations and awareness building activities

Memorandum of Understanding with Alliance to End Plastic Waste (AEPW) in March 2021



5. JANUS's Activities in Vietnam (1)



A. Dealing with marine plastic

In Japan

15 years' experience on marine plastics

- Survey and monitoring
- Collection and treatment
- Development of manuals for collection
- Support for development of regional plans
- Education and public awareness



In Vietnam by JNK, our subsidiary company

We took the following actions by ourselves based on the hypothesis that **“planning is necessary after understanding the current status of marine plastic countermeasures.”**

1. Field surveys in the 3 northern provinces
2. Discussion with VASI/MONRE and experts
3. Questionnaire survey of 11 northern provinces
4. Proposals to VASI
5. Apply for USAID program in collaboration with VASI and apply for UNDP program

*Item 1 to 4 were conducted in corporation with Environment Analysing And Technique ., JSC

6. JANUS's Activities in Vietnam (2)

A. Dealing with marine plastic

Our findings

- Understanding the management status of marine plastic waste is crucial
- Developing guidelines for the management of marine plastic waste is necessary
- Guidelines are be helpful for developing plans and implementing actions



Discussion with VASI and experts



Dr. Thi, Director of General, VASI

Our proposal to USAID or UNDP program

For USAID program

1. Questionnaire survey for the current status of marine waste management in 17 coastal provinces
2. On-site survey for the waste flow
3. Making guideline for management of marine waste
4. Promotion and pilot practice of guideline

For UNDP program

1. Field survey of the waste flow from fishery (Quang Ninh province)
2. Making guideline manual for management of marine plastic waste from fishery
3. Introduction and pilot practice of guideline manual

→ Unfortunately, they were not adopted.

7. JANUS's Activities in Vietnam (3)



B. Improvement of the recycling of plastic resources

Our experience

- JANUS joined the NPAP Virtual Happy Hour event in June 2021.
- JANUS had a meeting with Ms. Ha, NPAP Vietnam manager for information/opinion exchange in July 2021

In the future, we would like to:

- Introduce Japanese technologies or know-how to Vietnam to solve the marine plastic problem.
- Promote our efforts as a consulting company utilizing our experiences gained through the activities of the CLOMA Indonesia Cooperation WG.



Indonesia NPAP with CLOMA Indonesia Cooperation WG



NPAP Virtual Happy Hour event

8. Challenges for Cooperation with Japanese Companies

Challenges

- It is important to connect to each company's business base in order to make it a "sustainable initiative."
- However, overseas expansion is a high hurdle for most Japanese companies.
 - Barriers of legal system, business customs and language
 - Long lead time to commercialize

Suggestions

In order to attract Japanese companies, it is important to first identify needs of Vietnam side.

- Place
- Type of products / plastics
- Replace / reduce / reuse / recycle / collection / treatment / disposal
- Tipping fee

