

The plastic ocean?

The ICC standards for waste observation and classification are divided into five categories: coastal and recreational activities, smoking behavior, ship and fishery behavior, dumping and supplies, including plastics (plastic bags, cups, etc.), paper (paper bags, aluminum foil bags, Cigarette), styrofoam (no-clean dishes, fishery supplies), metal (iron-aluminum cans, batteries, etc.), glass, rubber, cloth and nylon (clothes, fishing nets, fishing lines) and others, a total of 57 categories.

↓The ICC Statistical data of Marine debris in Taiwan (2017)



時間	垃圾種類	寶特瓶	塑膠瓶	吸管	玻璃瓶	塑膠提
time	Type of garbage	Baote bottle	蓋	straw	Glass bottle	袋
			Plastic cap			Plastic bag

2017	垃圾數量 Numbers of garbage	49305	32347	23113	17321	16436
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↓The ICC Statistical data of Marine debris in Taiwan

(2018)



時間 time	垃圾種類 Type of garbage	吸管 straw	寶特瓶 Baote bottle	塑膠瓶蓋 Plastic cap	外帶飲料 杯 Take-away cup	玻璃瓶 Glass bottle
2018	垃圾數量 Numbers of garbage	24125	23155	21969	11756	8903

地點、季節，垃圾組成大不同

垃圾觀測和分類參考 ICC 標準，分為 5 大類：海岸及遊憩行為、吸菸行為、船舶及漁業行為、傾倒和醫療用品，包含塑膠（塑膠袋、杯等）、紙類（紙袋、鋁箔包、菸蒂）、保麗龍（免洗餐具、漁業用品）、金屬（鐵鋁罐、電池等）、玻璃、橡膠、布料與尼龍（衣服、漁網、漁線）和其他等共 8 類 57 項。

翻譯:

The ICC standards for waste observation and classification are divided into five categories: coastal and recreational activities, smoking behavior, ship and fishery behavior, dumping and supplies, including plastics (plastic bags, cups, etc.), paper (paper bags, aluminum foil bags, Cigarette), styrofoam (no-clean dishes, fishery supplies), metal (iron-aluminum cans, batteries, etc.), glass, rubber, cloth and nylon (clothes, fishing nets, fishing lines) and others, a total of 57 categories.

然而我們依舊缺乏對於海洋垃圾的持續關注，參考美韓等國作法，可運用現有水試所研究船和海巡署巡護船等公務船，配合現行公務，在周遭海域調查海洋垃圾。

翻譯:

However, we still lack the continuous attention to marine debris. We strongly recommend our government, should with reference to the practice of the United States and South Korea, it is possible to use the existing research institutes such as the research ship and the patrol boat of the Sea Guard, Investigate marine litter in the surrounding waters.

鼓勵漁民將打撈到的海洋垃圾帶回記錄，也可開發或引進調查和處理海洋垃圾之設備，國防部和海巡署可考量參照美國國防部及海岸巡防隊提供人力及設備，利用潛水員清除廢棄漁具。結合現有資源投入調查，強化我們對於海洋垃圾的瞭解，刻不容緩。

翻譯：

Encourage fishermen to bring back the recovered marine debris. Equipment for the investigation and handling of marine debris can also be developed or introduced. The Ministry of Defence and the Sea Guard can consider the provision of manpower and equipment by the US Department of Defense and the Coast Guard. Use divers to remove discarded fishing gear. Strengthen our understanding of marine debris, no time to delay.

- **Cleanup beach NGO of Taiwan**

淨灘 NGO	1. <u>荒野保護協會</u>	2. <u>Rethink</u>	3. <u>海湧工作室</u>
英文名字	Wilderness Protection Association	<u>Rethink</u>	Hiin studio

參考資料:<http://tncomu.tw/modules/tadnews/pda.php?nsn=1676P>

<https://hsszn.com/archives/66508>

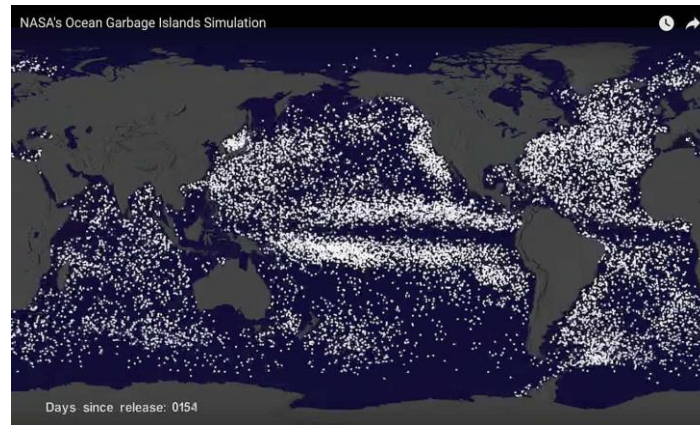
- 108 年 10 月 5 日
- 淨灘地點:基隆和平島
- 時間:55 分鐘
- 成果:724 個寶特瓶、全部垃圾共重 278.6 公斤
- October 5, 108
- Clean Beach Location: Keelung Peace Island
- Time: 55 minutes
- Results: 724 PET bottles, all garbage weight 278.6 kg

- Sailing seas of plastic

<https://app.dumpark.com/seas-of-plastic-2/#>

HOW MUCH PLASTIC IS FLOATING IN OUR OCEANS?

You can see how much plastic in the ocean, it's so terrible!!



※我們在淨灘(We're cleanup beach at Helping Island)







※我們在計算總重量(The weight of marine debris we cleanup)

Weight 1	Weight 2	Weight 3	Weight 4	Total
4.2	10.8	7.3	6	14
10	11		8	1
1.1			1.3	4
19.8	17		12	1.2
2	4		0	2
10.8	3		6	7
4.8	9		4	23
5.7	0.8		6	3
31	7		7	
6.3				
總重量				218.6 kg

這次淨灘，我們除了撿到許多寶特瓶，還撿了許多奇怪的東西，例如：比身體還巨大的保麗龍、大片大片的漁網、各式各樣的拖鞋，我們老師甚至脫下現在壞掉的鞋子，換成撿到的拖鞋。

This time, in addition to picking up many Baote bottles, we also licked many strange things, such as styrofoam, which is bigger than the body, large fishing nets, all kinds of slippers, our teachers even took off her broken shoes, replaced with slippers which were picked up from the beach.

你一定有個疑問，垃圾都撿不完，為什麼還要撿？因為為了海洋，雖然沒有全部清除，但仍然願為了地球盡一份心力，我們的努力，像螞蟻一樣微不足道，但對我們這樣的一群小學生，已經是很令人滿意的事。

※希望除了塑膠，其他垃圾也能減少。

You must wonder to know why? The garbage can't be finished, why we still clean up? Because for the sake of the ocean, although it could not be all clear, we still willing to do our best for the earth, our efforts, as ants are insignificant, but for primary school students like us, it is already very satisfactory.

※Our wish: In addition to plastic, other garbage also can be reduced.