



Enabling Sustainable Communities

Vietnam

local actions to address of marine litter

*NOWPAP-TEMM Joint Workshop on
Marine Litter Management*

Busan, Republic of Korea, 4-6 June 2018

Trang Nguyen - GreenHub



Contents

- 1. Vietnam waste management, marine debris, plastic pollution**
- 2. Showcases of GreenHub-Vietnamese NGOs activities to address the issues of marine debris: public awareness; monitoring & data citizen science**
- 3. Recommendations and collaboration to address marine litter**

Challenges posed by marine debris, plastics and microplastics

- Marine debris, plastic and microplastics debris are considered some of the biggest global challenges in the 21st century.
- They harm marine wildlife and human health as well as destroying the marine environment.
- They are also found to cause economic damages to coastal states in terms of fishery, maritime transportation and tourism industries, as well as increasing coastal clean-up operations.

Vietnam Waste Management – Situational Analysis



VIETNAM - Annual GDP growth ~6%



62%

~55.9 mil people in coastal provinces (94 mil), increasing 12% per year (est)

30 mil

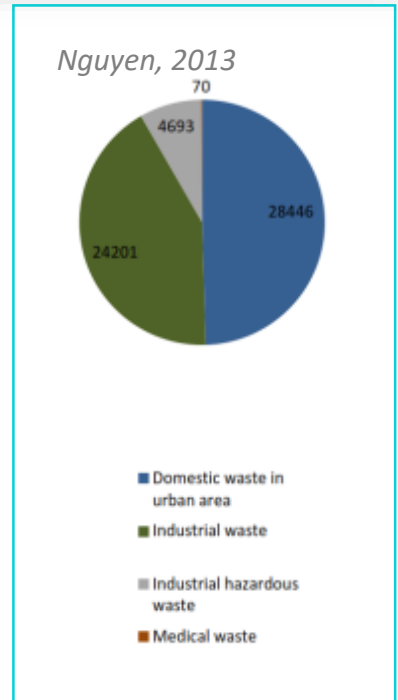
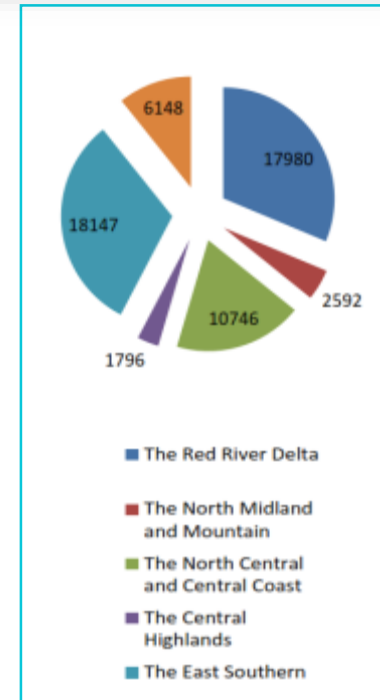
Ton waste/year from various sources; 50% is from municipal sources; 1% hazardous, 0.79 waste gen. rate kg/ppd

85%

towns/cities are using non-sanitary landfills; 10% waste recovered for recycling or reuse

62%

Waste generated in Red River Delta; MeKong delta; East Southern & Centre Coast (19%)



Marine debris: Cleanups item found in analysis of 2000-2017

Marine Debris data – Clean up
(Ocean Conservancy, GreenHub)

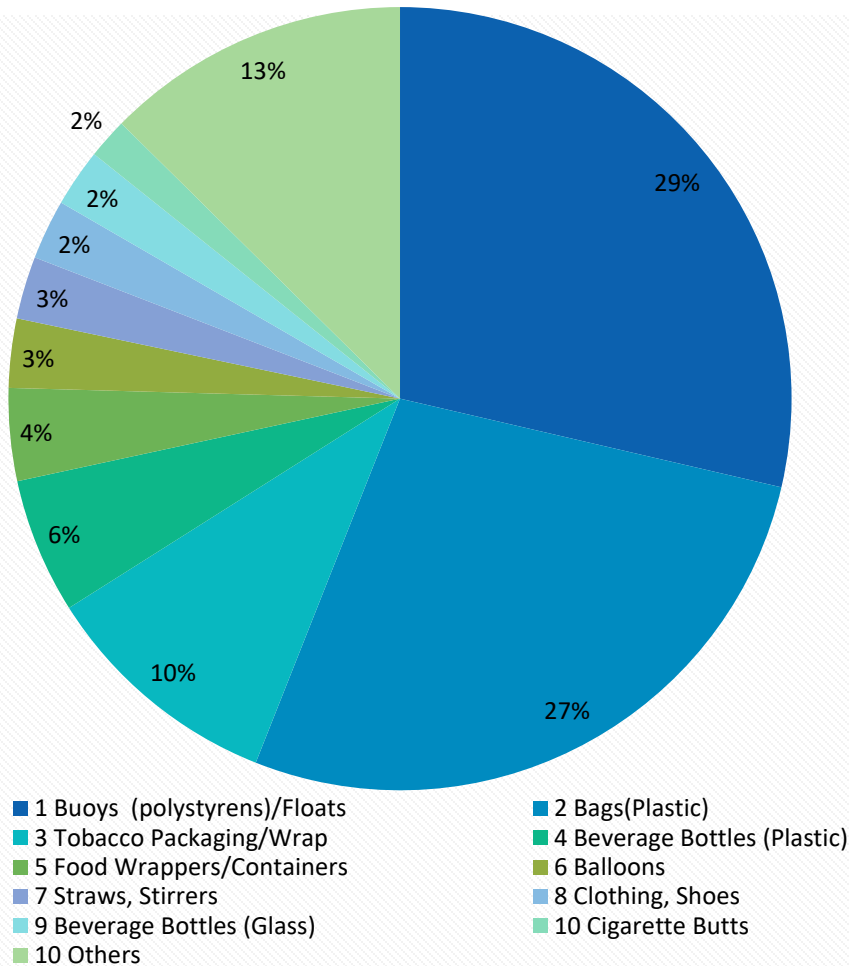
115,276
items

71%
Plastic (1-2-4-6-7-10-
Others; GreenHub
2017)

40-55%
waste collection in
rural areas rate
(MONRE)

83%
% mismanaged waste;
5.8 % of total
mismanaged plastic
waste
Plastic marine debris
[MMT/year]: 0.28-0.73

10%
all waste generated in
Vietnam is recovered
for recycling or reuse



Polystyrene Foam and Plastic Bags Accounts for 29% and 27% of found items

Vietnam policies related to Marine litter

- Performing its duties under international conventions, Viet Nam has adopted legal documents regarding environment protection and management policies, including:
 - (i) The Law of Environment Protection 2014, entering into force on 01 July 2016;
 - (ii) Decree No. 38/2015/NĐ-CP on the control of wastes, entering into force on 15 June 2016.

As part of ASEAN Conference on Reducing Marine Debris in ASEAN Region

The ASEAN Conference on Reducing Marine Debris in ASEAN Region, organised by the Ministry of Natural Resources and Environment of Thailand in coordination with the ASEAN Secretariat, was held on 22-23 November 2017 in Phuket, Thailand:

- Underlined that while research on marine debris already undertaken reflects level sources and impacts of marine debris, and provides sufficient evidence for immediate action, further research is needed on marine plastic debris and microplastics including biodegradable alternatives, waste management, and especially on environmental and social impacts – including on human health.
- Recommend focus on Policy Support and Strengthening, Capacity Building (**national action plan**); Education, research and Innovation & Private Sector Engagement, Public Awareness and Outreach)

National facing with challenges

- **Lack of accurate data of solid waste, marine debris, plastic pollution & micro-plastic in Vietnam**
- **Policies do exist but overlaps and conflicts still remain; lack of enforcement**
- **Lack of national coordination for data collection and monitoring program**
- **Do not have national protocol for monitoring**
- **Voluntary based or project based activities of clean-up: not regularly conducts & lack of commitment**

GreenHub – VNGOs working: Sustainability Opportunities

Based on UN Sustainability Goals, GreenHub focuses on: #11, #13 and #14.



GreenHub takes actions

- raise public awareness and influencing behavioral change to reduce, reuse, and recycle (3R's)
- marine debris monitoring and Coastal Clean-up Campaigns and promoting citizen science approach
- As part of global research and regional network for sharing information and learning



Events: Clean-up & Recycling Day; Idea hub – Greenovation Challenge 2017 for reducing plastic

Training course & session;
Social media



– sharing and engagement



– educating

AWARENESS RAISING

**Public
YOUTH
Fishermen**

GreenHub 3Rs promotion – Youth Engagement



Awareness & Engagement with the youth during the Recycling Day organized by DONRE Hanoi (Sept, 2017)

GreenHub 3Rs promotion – Recycling Day



3Rs products marketing at the Recycling Day organized by Vietnam Women Academic (Oct '17)

GreenHub 3Rs Promotion - Greenovation Challenge 2017



Training courses & Competition of Greenovation Challenge 2017

Working with Fishermen

- Waste audit
- Training courses of waste separation at source
- Piloting for replacement of EPS float in aquaculture



Monitoring & data citizen science



#HALONGCLEANUP



JOIN THE FIGHT FOR A HEALTHY OCEAN

Experiences from GreenHub-
from Ha Long Bay cleanup:
Data management and Advocacy

Ha Long Bay

- UNESCO World Heritage Site due to the natural limestone Karst formations of the area
- Covering an area of 43,400 ha, with 1,600 islands and islets
- Management issues from 500 tourist boats, 1,000 ships, and 7 floating villages using the area daily
- Main waste = polystyrene from aquaculture activities, & plastic from tourism and fishing boats





Marine debris monitoring & Coastal cleanup for a sustainable marine ecosystem - Ha Long Bay

“I was shocked to see the huge amount of trash on the beach, given that it didn't look bad while we were travelling by boat to the area. I wondered how we could deal with that but eventually with the joint effort, we made it.”

- Pham Thi Thuy Duong, final year student at the University of Social Sciences and Humanities



220

Volunteers

4.2 km

of coastline cleaned

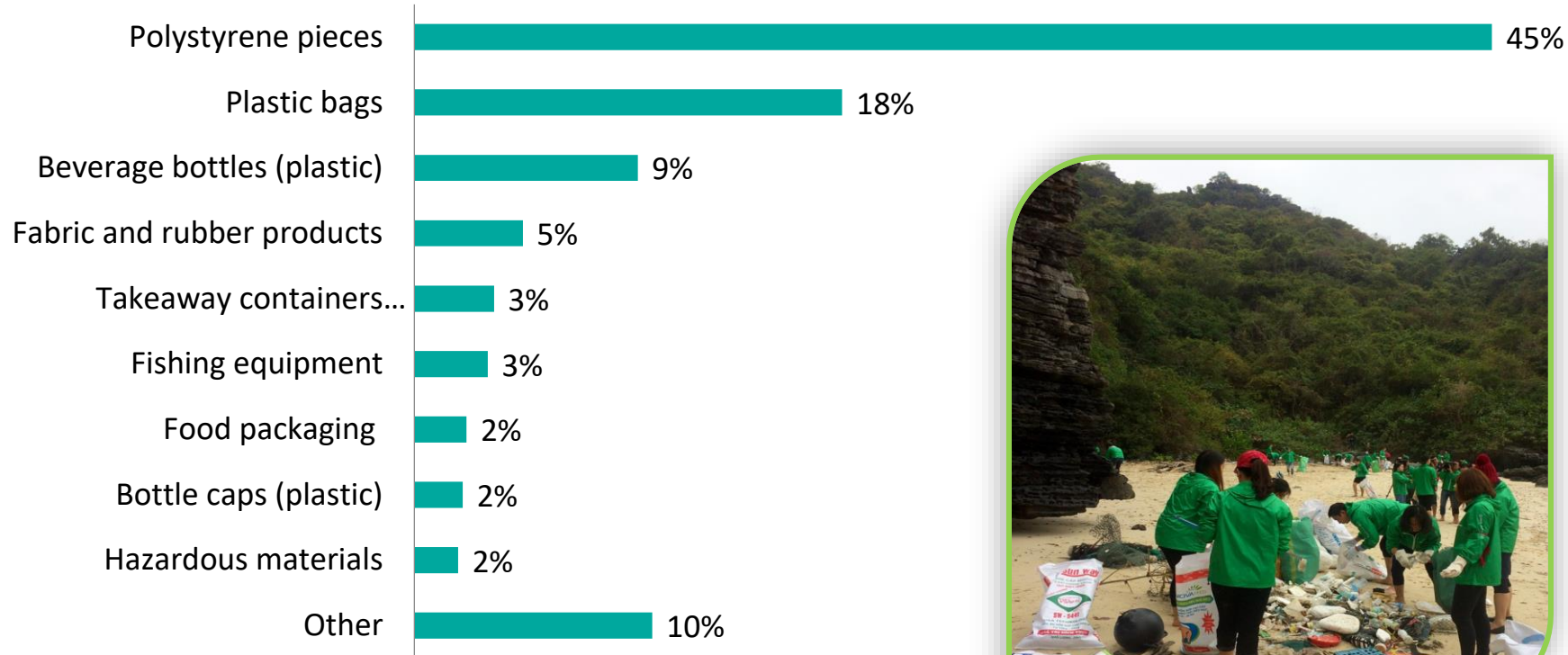
2570

Kg debris removed so far



Data analysis to Management impact

Most common marine debris items collected during coastal cleanup events



MANAGEMENT IMPACT

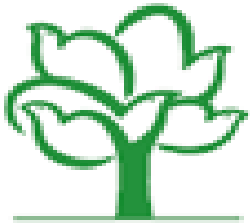
The efforts of have resulted in the Ha long Bay Peoples Committee **Banning the use of polystyrene** and calling for the implementation of an environmentally friendly alternative.

Monitoring & networking, sharing information





Ocean Conservancy



KNU KANGWON NATIONAL UNIVERSITY



Marine Debris



USAID
FROM THE AMERICAN PEOPLE

CRITICAL ECOSYSTEM
PARTNERSHIP FUND



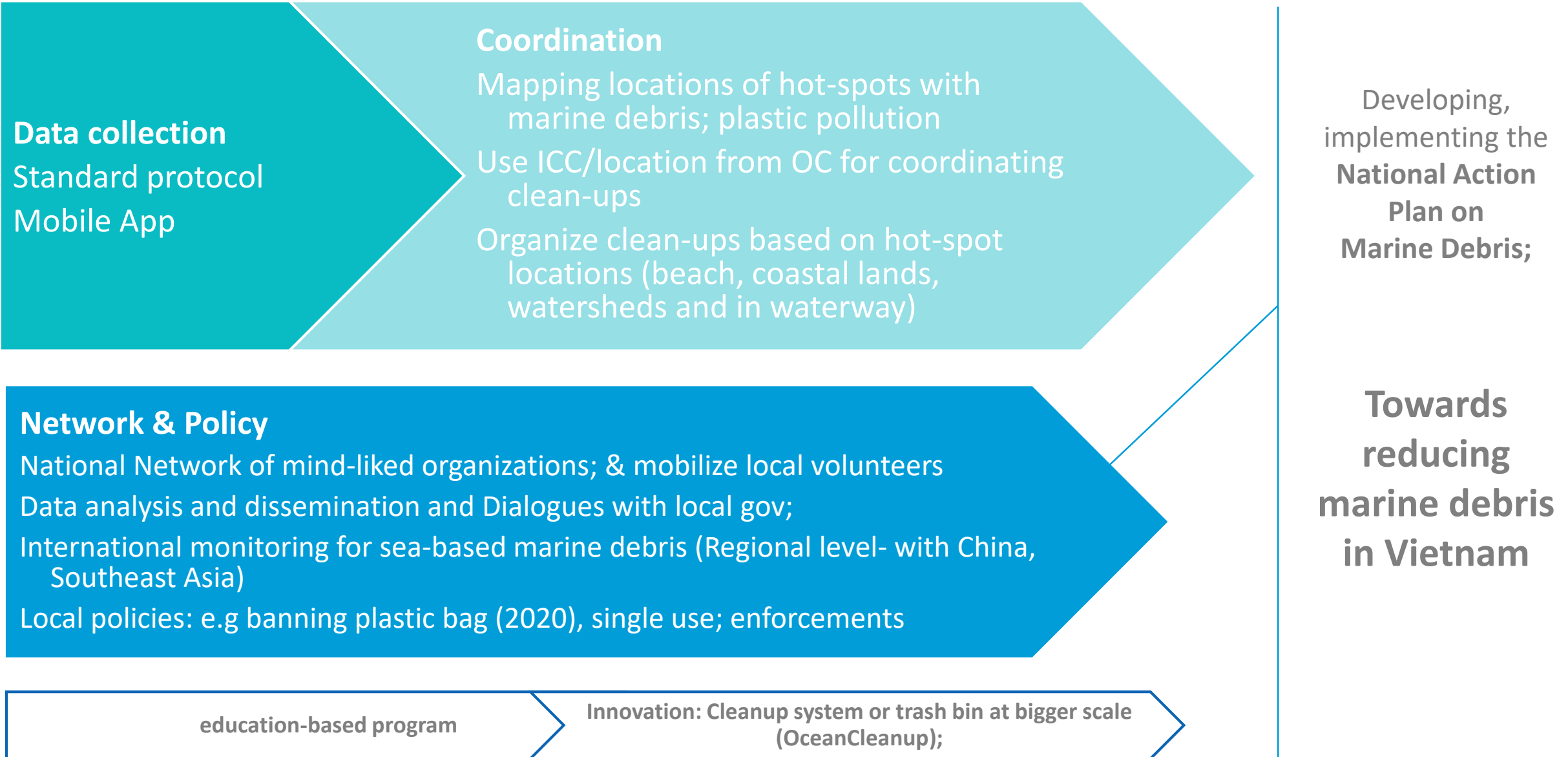
O·S·E·A·N
Our Sea of East Asia Network



- Monitoring and Research activity: Quantifying flows of plastic and other debris from land-based sources to the ocean
 - Models of community plastic recycling & replacement of plastic using (polystyrene)
 - Sharing information and exchange ideas/advocacy for local policies

Recommendations and
further solutions; collaboration

Facing forwards – Further solutions to address marine debris





Thank you and
join collaboration

