



SUSTAINABLE MANAGEMENT OF MARINE ECOSYSTEM AND MARINE PLASTIC LITTER GOVERNANCE

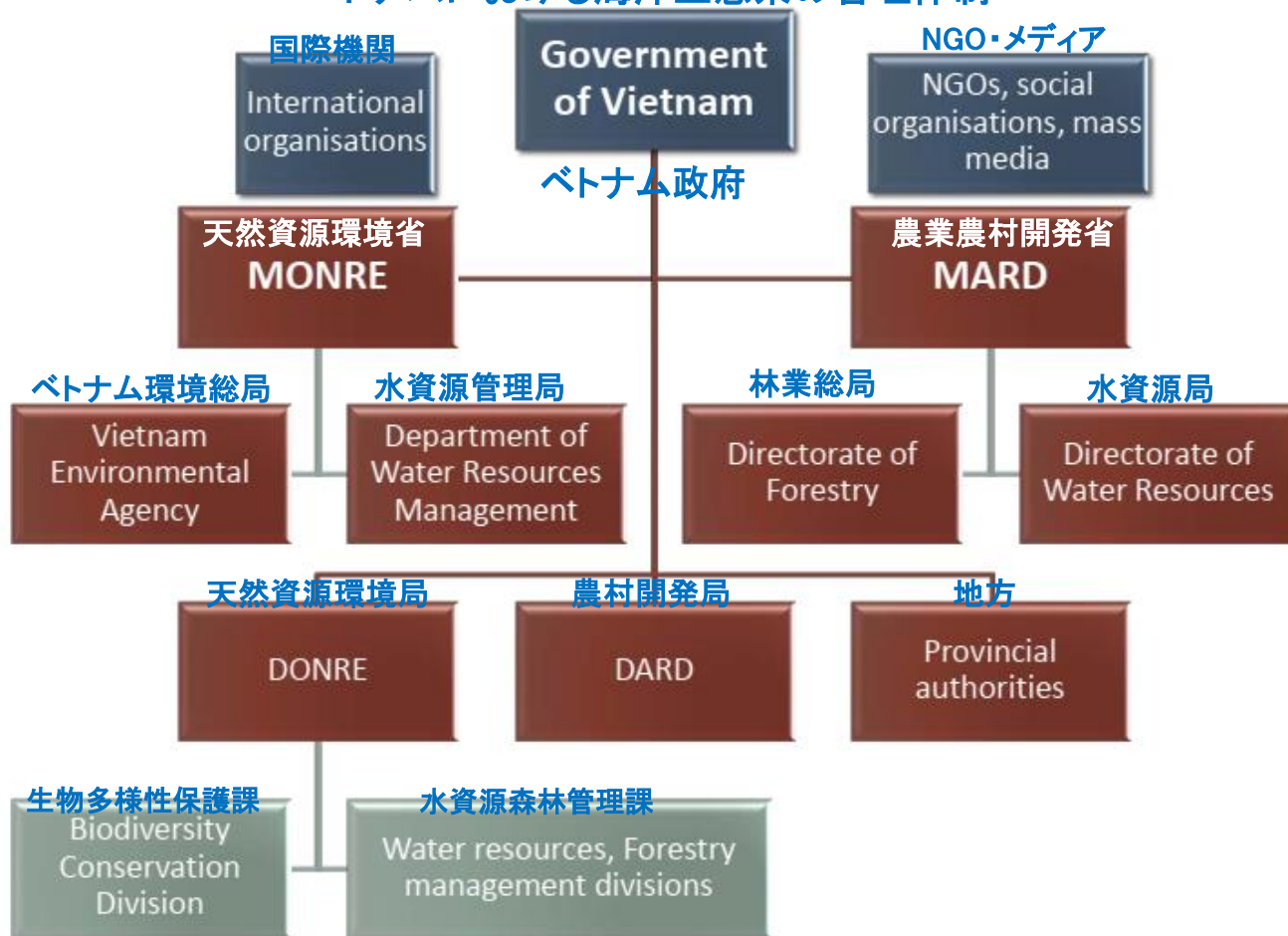
海洋生態系と海洋プラスチックゴミの持続可能な管理とガバナンス

Mr. Nguyen Chi Cong
Assistant to the Director
Viet Nam Administration of Seas and Islands
ベトナム政府 海洋諸島局
局長補佐官 Nguyen Chi Cong

Fukuoka, Japan 2019

STATE MANAGEMENT OF MARINE ECOSYSTEMS IN VIETNAM

ベトナムにおける海洋生態系の管理体制





- 世界4位の海プラゴミ排出国
- 都市部の15-16%、地方の45-60%のゴミが回収されていない
- 排出されるゴミの10%がプラスチック袋

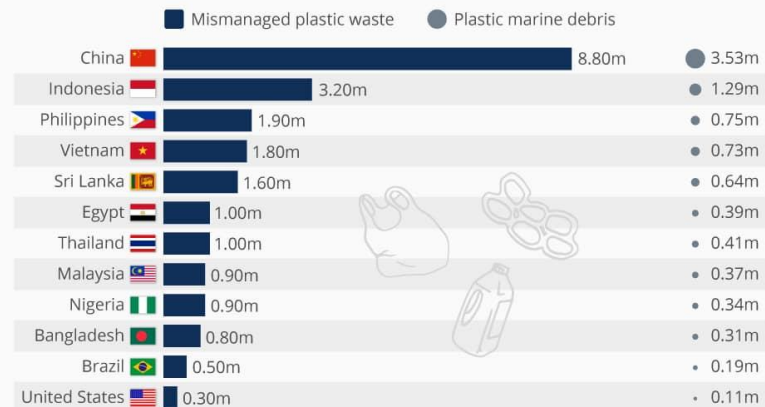
Plastics pollution in Vietnam

ベトナムにおけるプラスチックゴミ

- Top 4th countries most polluted plastic waste to the sea in the world (Jambeck et al., 2015).
- 15-16% of total solid waste in urban areas and 45-60% in the rural areas are uncollected (Governmental Office, 2016).
- The plastics bags can account up to 10% of total garbage generation every day (MONRE, 2018).

The Countries Polluting The Oceans The Most

Annual metric tons of mismanaged plastic waste and total amount ending up in global waters*



* Generated in 2010 (selected countries)
@StatistaCharts Source: The Wall Street Journal

statista



クアンガイ省のライソン漁港のゴミ

Waste at Ly Son fishing port, Quang Ngai



ハロン湾の漁村とゴミ

Waste in the fishing village on Ha Long Bay



ニントゥアン省の海岸を埋め尽くすゴミ

Waste covers the coastal zone of Ninh Thuan

MARINE PLASTIC DEBRIS IN VIET NAM ベトナムの海プラごみ

Causes: 発生の原因

- Large coastal population
- Waste generation/mismanagement *沿岸都市の人口増加
*廃棄物管理
- Leakage from the land/rivers *都市や河川からの排出

Gap in published data:

- Using data calculated for urban areas;
- Assuming most plastic waste is not collected;

➡ Does not accurately reflect the amount of plastic waste in Vietnam データが不正確

Rank	Country	Economic Classification	Coastal population (millions)	Waste gen. rate (kg/ppd)	% of plastic waste	% of mismanaged waste	Mismanaged plastic waste (MMT/yr)	% of total mismanaged plastic waste	Plastic marine debris (MMT/yr)
1	China	UMI	262.9	1.10	11	76	8.82	27.7	1.32-3.53
2	Indonesia	LMI	187.2	0.52	11	83	3.22	10.1	0.48-1.29
3	Philippines	KMI	83.4	0.5	15	83	1.88	5.9	0.28-0.75
4	Viet Nam	LMI	55.9	0.79	13	88	1.83	5.8	0.28-0.73
5	Sri Lanka	LMI	14.6	5.1	7	84	1.59	5.0	0.24-0.64
6	Thailand	UMI	26.0	1.2	12	75	1.03	3.2	0.15-0.41
7	Egypt	LMI	21.8	1.37	13	69	0.97	3.0	0.15-0.39
8	Malaysia	UMI	22.9	1.52	13	57	0.94	2.9	0.14-0.37
9	Nigeria	LMI	27.5	0.79	13	83	0.85	2.7	0.13-0.34
10	Bangladesh	LI	70.9	0.43	8	89	0.79	2.5	0.12-0.31
11	South Africa	UMI	12.9	2.0	12	56	0.63	2.0	0.09-0.25
12	India	LMI	187.5	0.34	3	87	0.60	1.9	0.09-0.24
13	Algeria	UMI	16.6	1.2	12	60	0.52	1.6	0.08-0.21
14	Turkey	UMI	34.0	1.77	12	18	0.49	1.5	0.07-0.19
15	Pakistan	LMI	14.6	0.79	13	88	0.48	1.5	0.07-0.19
16	Brazil	UMI	74.7	1.03	16	11	0.47	1.5	0.07-0.19
17	Burma	LI	19.0	0.44	17	89	0.46	1.4	0.07-0.18
18*	Morocco	LMI	17.3	1.46	5	68	0.31	1.0	0.05-0.12
19	North Korea	LI	17.3	0.6	9	90	0.30	1.0	0.05-0.12
20	United States	HIC	112.9	2.58	13	2	0.28	0.9	0.04-0.11

*if considered collectively, coastal European Union countries (23 total) would rank eighteenth on the list.

Jambeck, J. et al., 2015. Plastic waste inputs from land into the ocean. *Science* 347 (622): 768-771.

RESEARCH STATUS OF MARINE PLASTIC DEBRIS IN VIETNAM

ベトナムの海プラゴミの調査状況

Research Content 調査内容	International 国際社会	Viet Nam ベトナムの状況
Current Status 現況調査	Have evaluated 調査済み	Evaluating 調査中
Impact 影響	Have evaluated 調査済み	Evaluating 調査中
National Action Plan 国家行動計画	Some countries (Indonesia...) インドネシアの一部の国	Developing 準備中



Research needs to be done: 行われるべき必要な調査

- Current status of plastic and micro-plastic waste in coastal zone of VN;
ベトナム沿岸地域のプラスチックやマイクロプラスチックゴミの現況
- Impact of plastic and micro-plastic waste to the environment;
プラスチック・マイクロプラスチックが環境に及ぼす影響
- Developing policy to prevent marine plastic waste at source.
海プラゴミを発生元から抑制するための政策の立案

EXISTING PROBLEMS IN MARINE PLASTIC DEBRIS IN VIETNAM

ベトナムの海プラゴミの現状と課題

- A general framework or a specific mechanism/plan for activities and actions to reduce plastic waste to the sea is lacking; 海に排出されるプラゴミを抑制するための枠組みや仕組み・計画がない
- Regulation of marine waste management, especially marine plastic waste management, is still unclear; 海プラゴミを規制する法がまだ未整備
- Lack of information on the status and impact of plastic/micro-plastic to the environment, economy, health and safety of people; プラスチックやマイクロプラスチックゴミの環境・経済・人の健康や安全に及ぼす影響についての情報がない

THE INITIATIVES OF VIET NAM AT G7+ (June 2018)

- Prime Minister Nguyễn Xuân Phúc suggested G7 countries **develop a global cooperative mechanism to reduce plastic waste.**
フック首相がプラごみ削減に向けた世界的な協力枠組みを提案



THE INITIATIVES OF VIET NAM AT GEF 6 ASSEMBLY (June 2018)



- Viet Nam proposed a regional project to "establish a regional partnership for East Asia seas on marine plastic waste management" with the following objectives:

1. Promote cooperation, strengthen regional coordination, and share experiences with other global and regional initiatives to reduce plastic waste;
2. Transition of the growth model based on a circular economy on the principle of reducing consumption and increasing the recycling and reuse of plastics;
3. Establishing a knowledge base on plastic waste at sea;
4. Raising awareness of the community, changing behavior, and dealing with plastic products and plastic waste.

海プラごみ管理のための東アジア
地域パートナーシップの設立と地域
プロジェクトを提案：
域内の相互協力や連携、経験の共
有によってプラごみの削減に取り組
むことや削減・リサイクルの原則に
基づくサーキュラーエコノミーの形
成、海プラごみに対応する知識の基
盤を作り、市民の意識向上など。

THE INITIATIVES OF VIET NAM AT THE WEF ON ASEAN 2018

2018ASEAN・世界経済フォーラムにおけるベトナムの対応

- Minister Trần Hồng Hà proposed that GPAP (The Global Plastics Action Partnership) support Vietnam's initiative on **establishment of an International Research Center on marine plastics.**

ハ大臣はベトナムの海洋プラスチックごみの国際研究センターの設立への支援を要請



NATIONAL ACTION PLAN ON MARINE PLASTIC DEBRIS MANAGEMENT

海プラごみの管理に関する政府行動計画

- **The plan is implemented to prevent and minimize plastic waste in Vietnam's coastal zone from 2020 to 2030**
2020年から2030年の間にベトナム沿岸のプラごみを削減し発生を最小化する
- Minimize emissions of plastic at source (at land and at sea);
- Strengthening financial mechanisms, reforming policies and enforcing the law on the production and consumption of plastic products;
- Raising awareness, dealing with plastic products and plastic wastes;
- Scientific research, monitoring and assessment on the impact of plastic waste on marine resources and the environment.

プラごみの発生元から抑制、財政強化、プラスチック製造と使用に関する政策の策定と実施、プラスチックの利用に関する注意喚起や知識向上、プラごみの海洋や環境に対する影響などに関する調査・モニタリング・評価の実施

SIGNING THE LETTER OF INTENT ON DEVELOPING INITIATIVES FOR PLASTIC WASTE TREATMENT AT WEF 2019

- P.M Nguyễn Xuân Phúc and WEF Founder Professor Klaus Schwab witness the signing of the Letter of Intent on developing initiatives for plastic waste treatment [世界経済フォーラムにおいてプラごみ処理を促進する計画策定を約束した趣意書に署名](#)



VIETNAM PROPOSES INITIATIVE TO DEAL WITH PLASTIC WASTE AT G20 SUMMIT

- The Vietnamese government's leader proposed an initiative to set up a global network on sharing data on sea and oceans towards a global framework on preventing marine plastic waste

G20 サミットでもベトナムがプラスチックごみに取り組むグローバルなネットワークの構築を提言



INTERNATIONAL / REGIONAL COOPERATION

国際協力／地域協力



Establish a regional partnership for the Seas of East Asia for managing marine plastic debris



Addressing threats posed to ocean health by marine pollution, including litter and plastics, from marine or land-based sources



In Ho Chi Minh city, Viet Nam, USAID supported a local civil society partner in advocating for new solid waste management regulations that increased citywide plastics recycling from 40 to 65%.

INITIATIVE FOR REGIONAL CO-OPERATION IN THE MANAGEMENT OF MARINE PLASTIC DEBRIS

海プラごみ管理を目的とする地域協力体制





Thank you