



## CURRENT STATUS OF PLASTIC WASTE AND SOLUTIONS TO REDUCE PLASTIC WASTE IN VIETNAM



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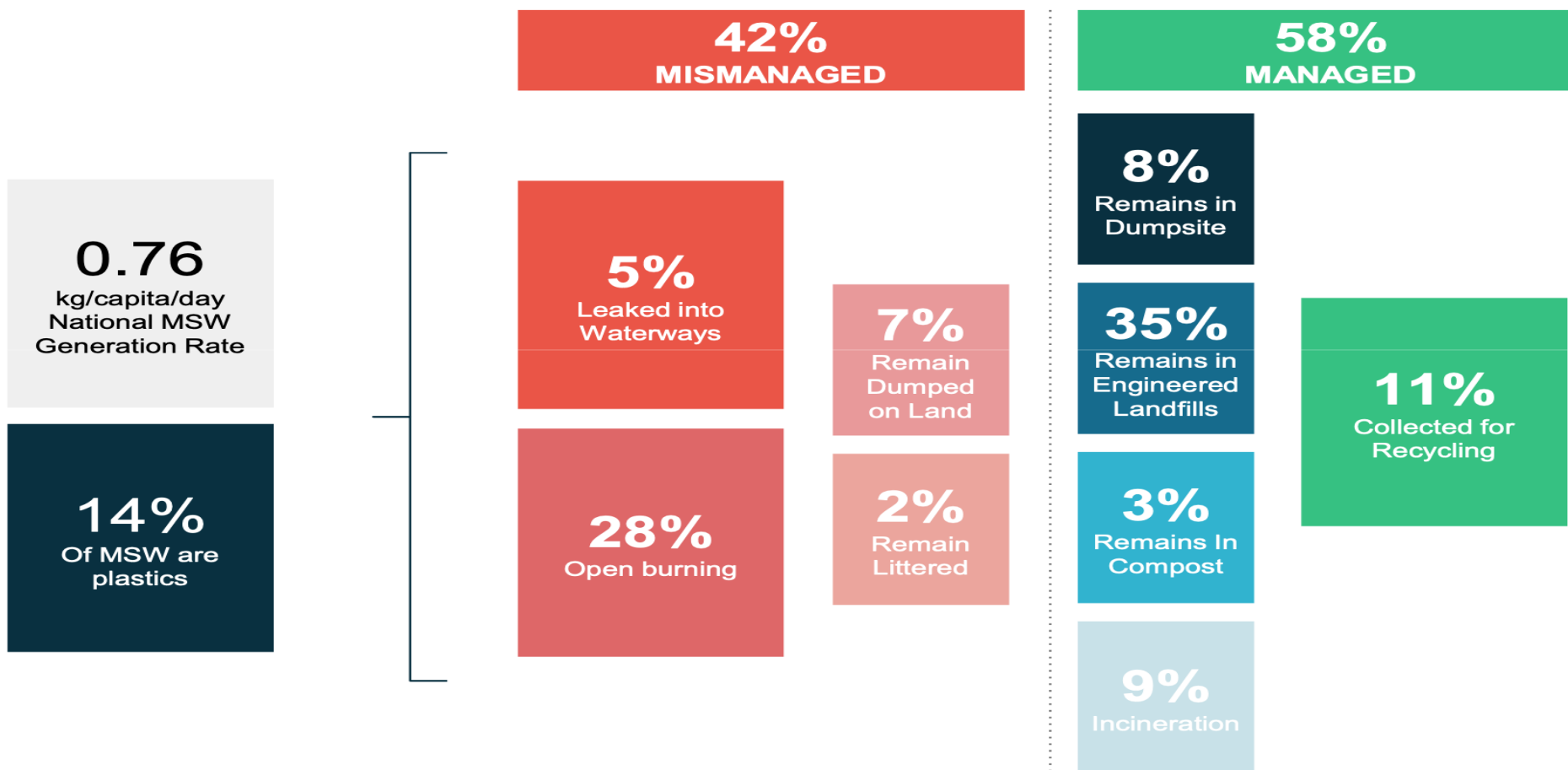
Vietnam Environmental and Marine Sciences Institute (VEMSI),  
Ministry of Natural Resources and Environment (MONRE).



## Current status of plastic waste

## Solutions to reduce

### FATE OF VIETNAM'S PLASTICS GENERATED FROM MUNICIPAL SOLID WASTE - 2018



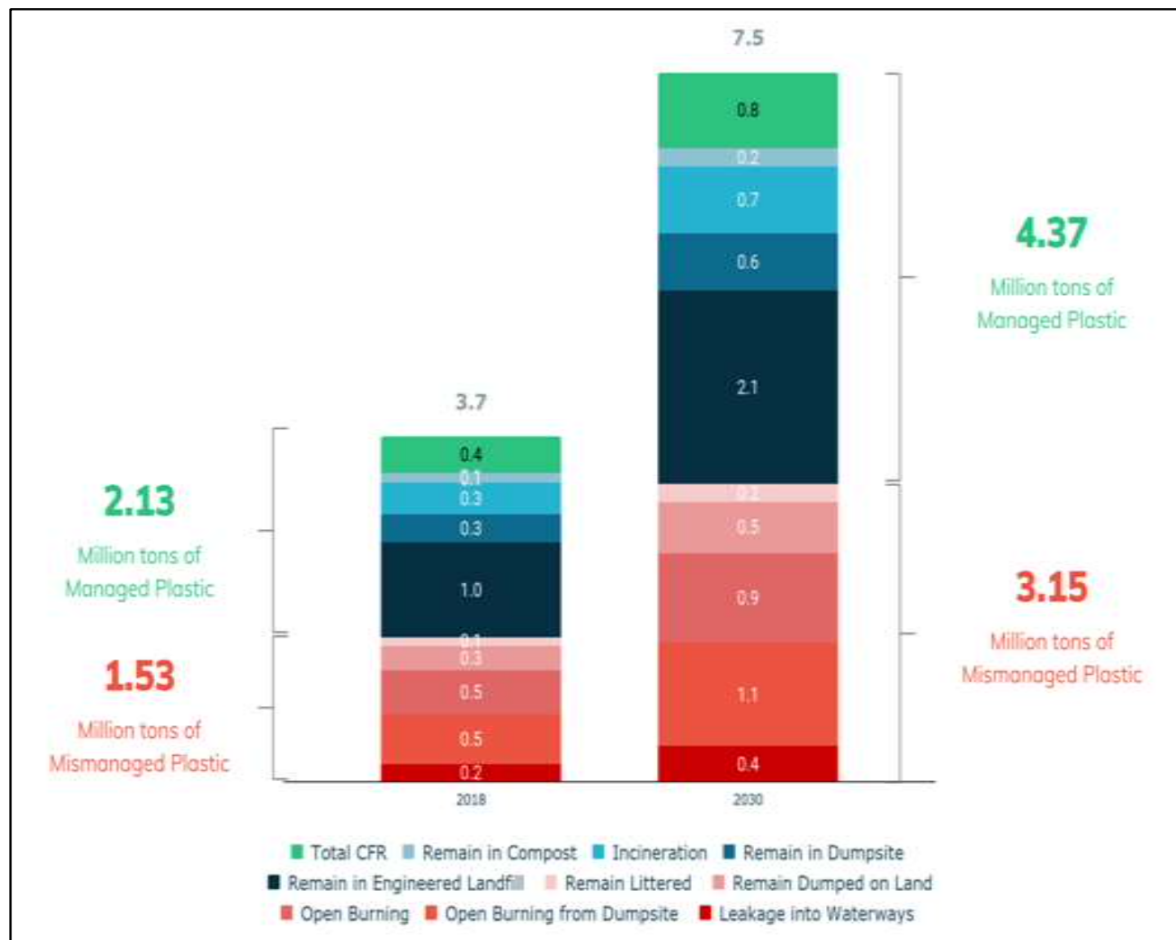
Source : GA Circular Analysis



## Current status of plastic waste

## Solutions to reduce

WHAT DOES 2030 LOOK LIKE UNDER A BUSINESS-AS-USUAL (BAU) MAINTAIN SCENARIO?



**Estimated plastic leakage into waterways would more than double:**

**2018: 182 THOUSAND TONS PER YEAR**

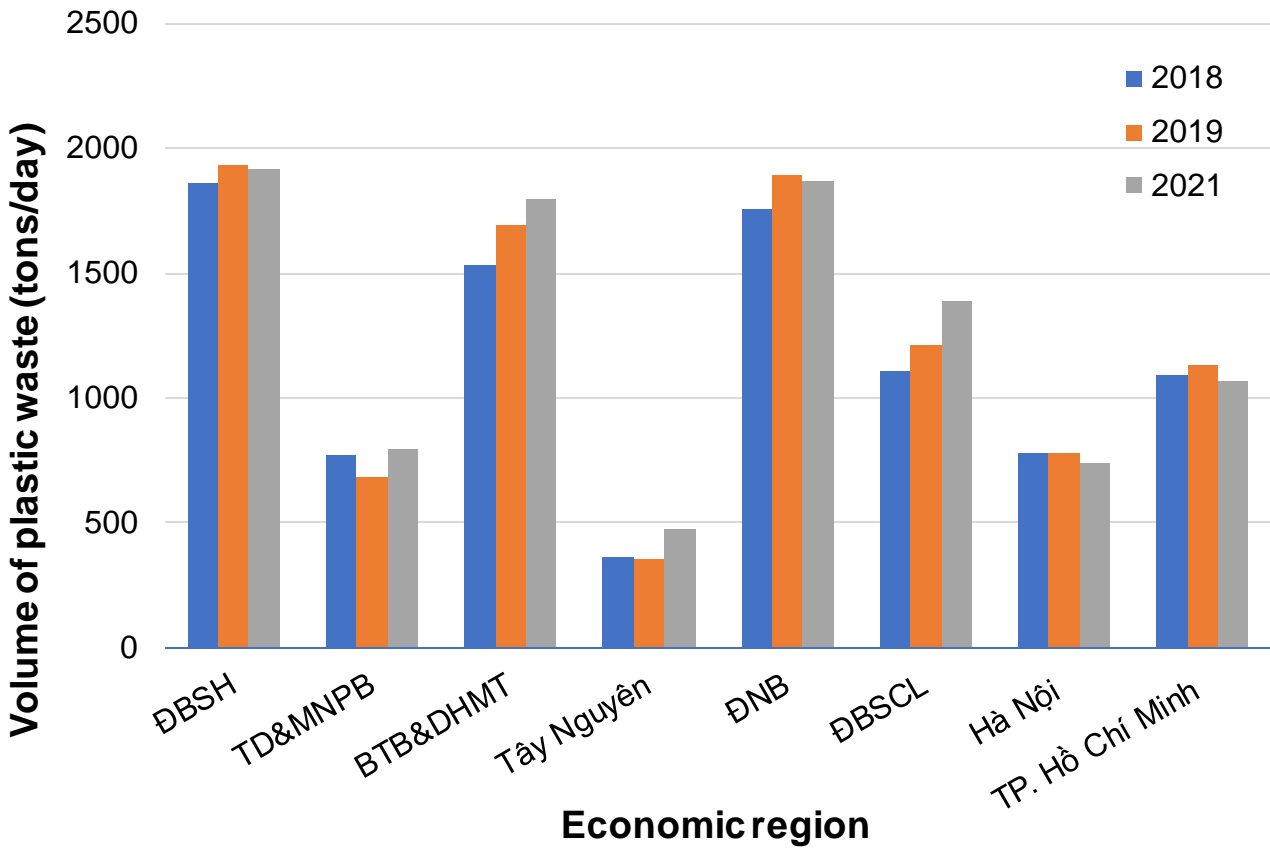
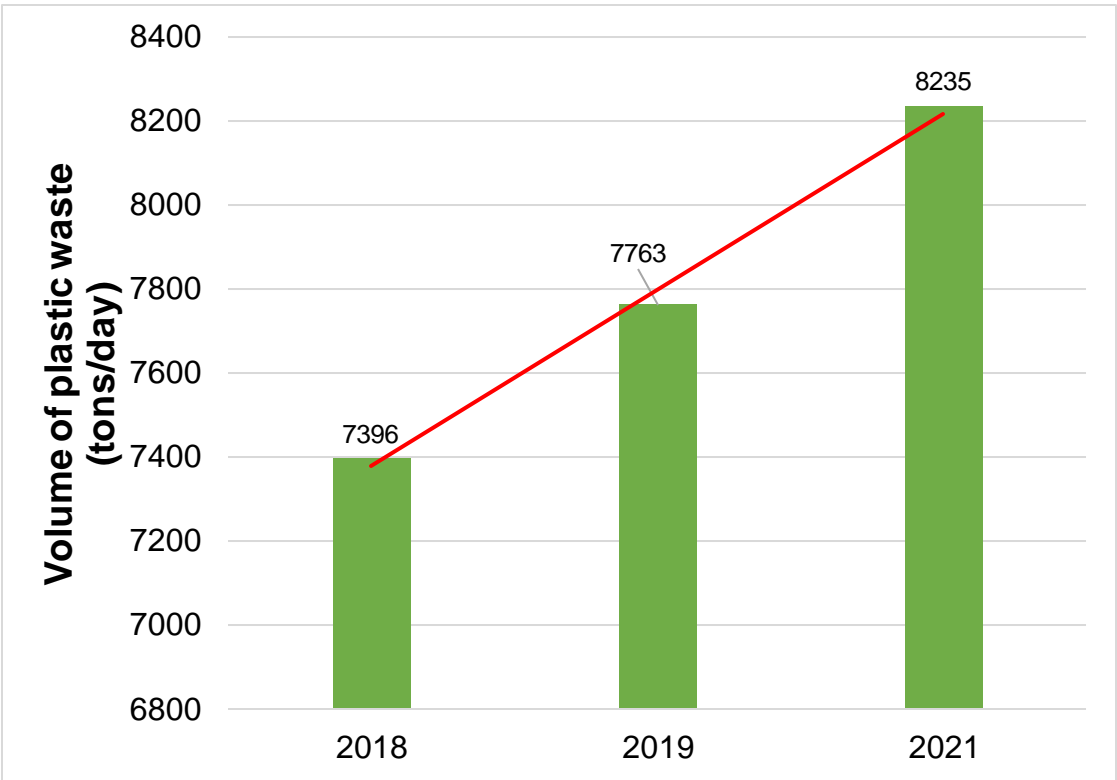
**2030: 373 THOUSAND TONS PER YEAR**



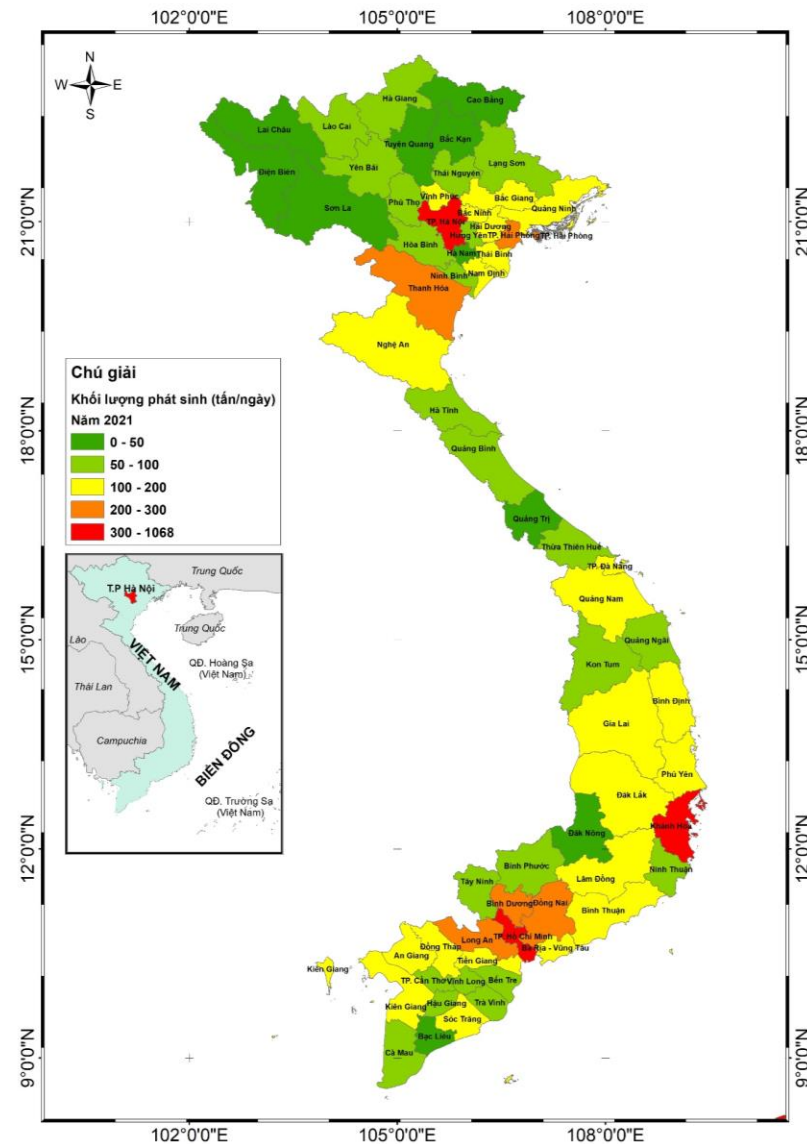
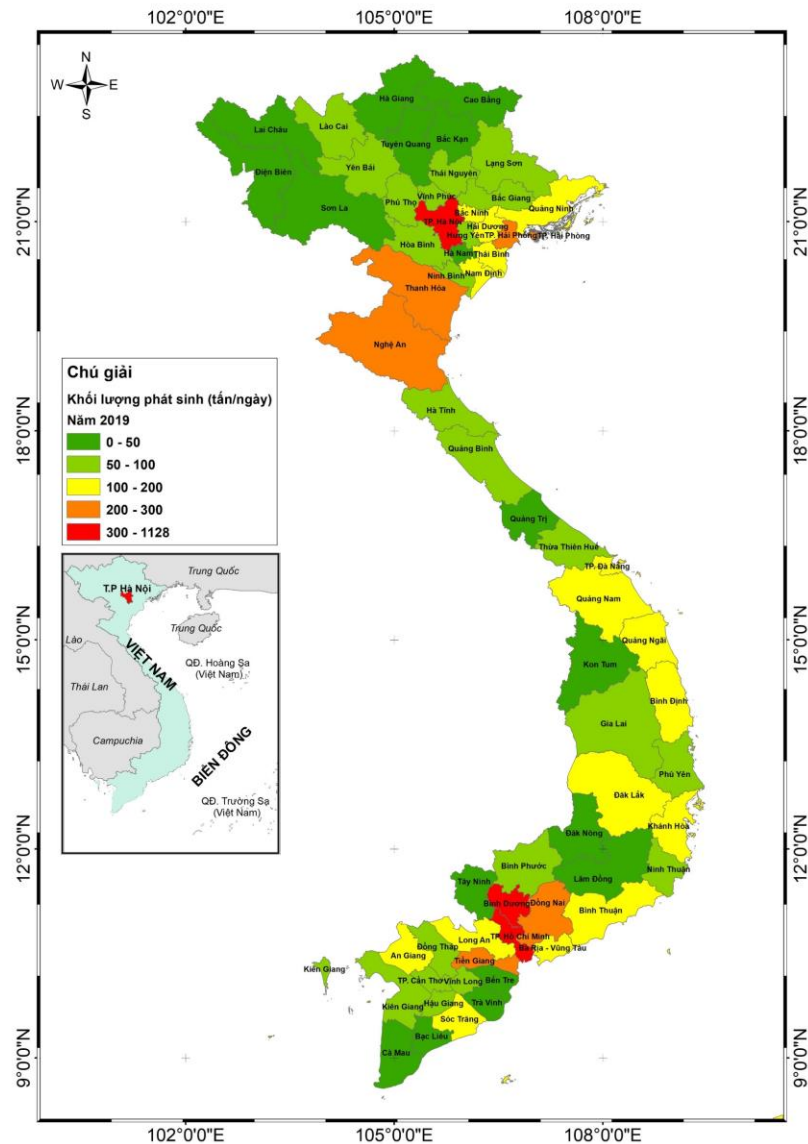
# Current status of plastic waste

# Solutions to reduce

## Increase in the period 2018-2021



- Fluctuations vary between localities in 2019-2021

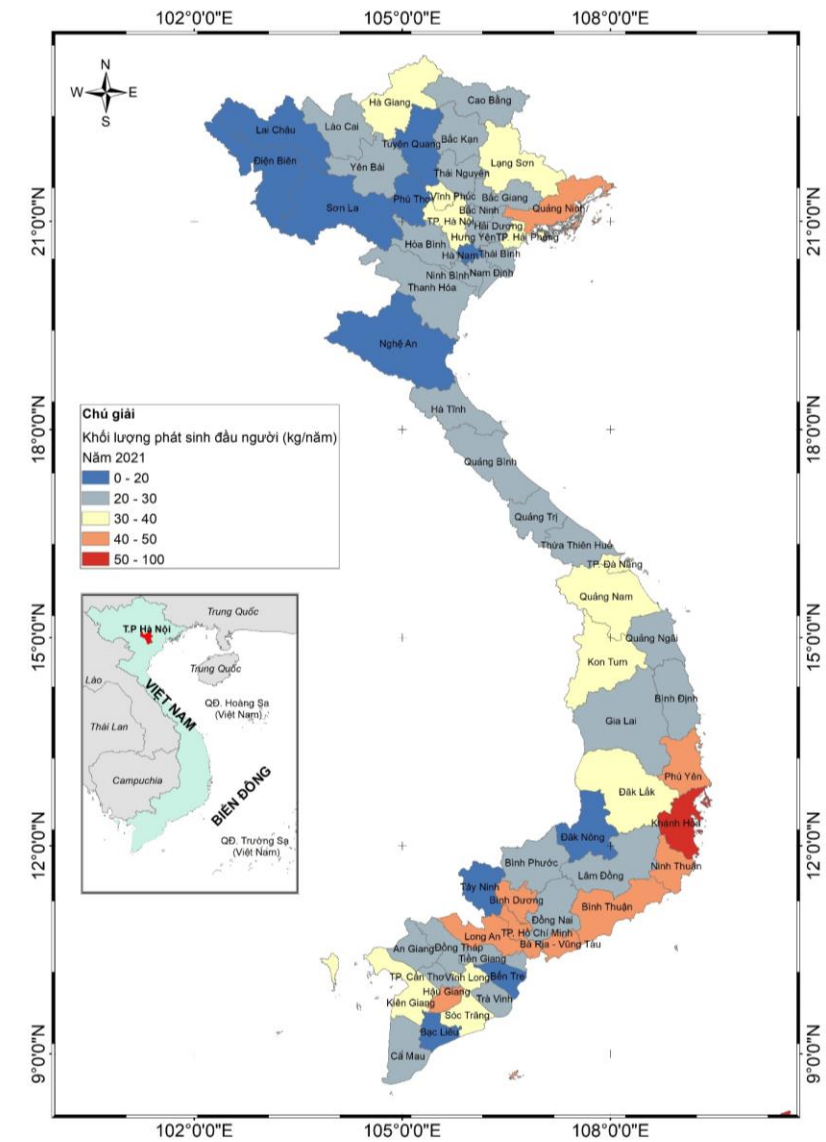
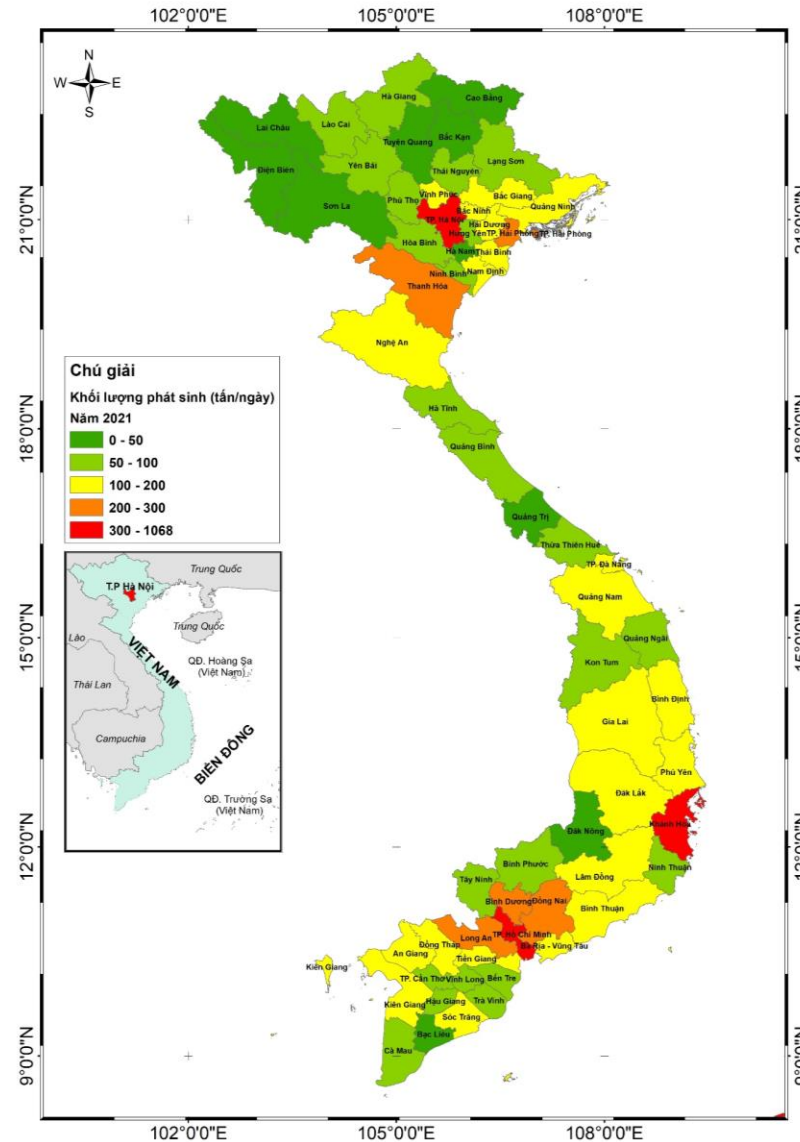




## Current status of plastic waste

## Solutions to reduce

Generated volume is  
8,235 tons/day, ~3  
million tons/year



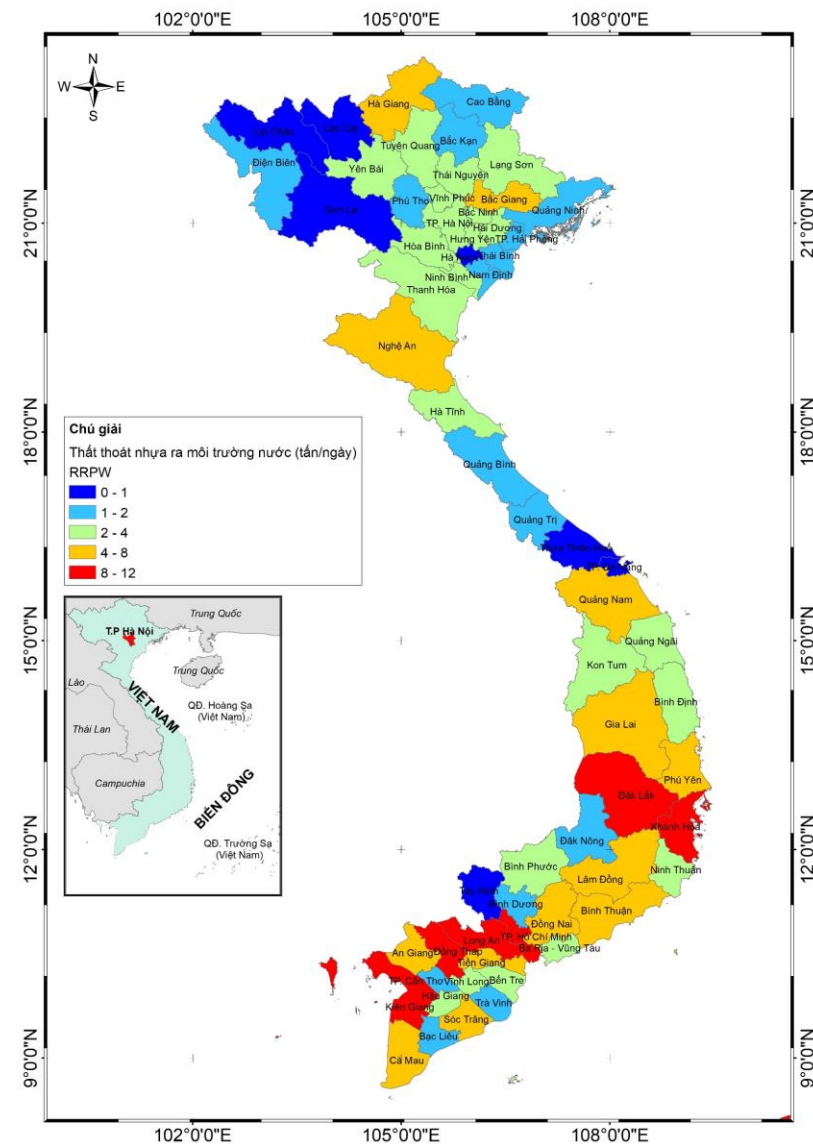
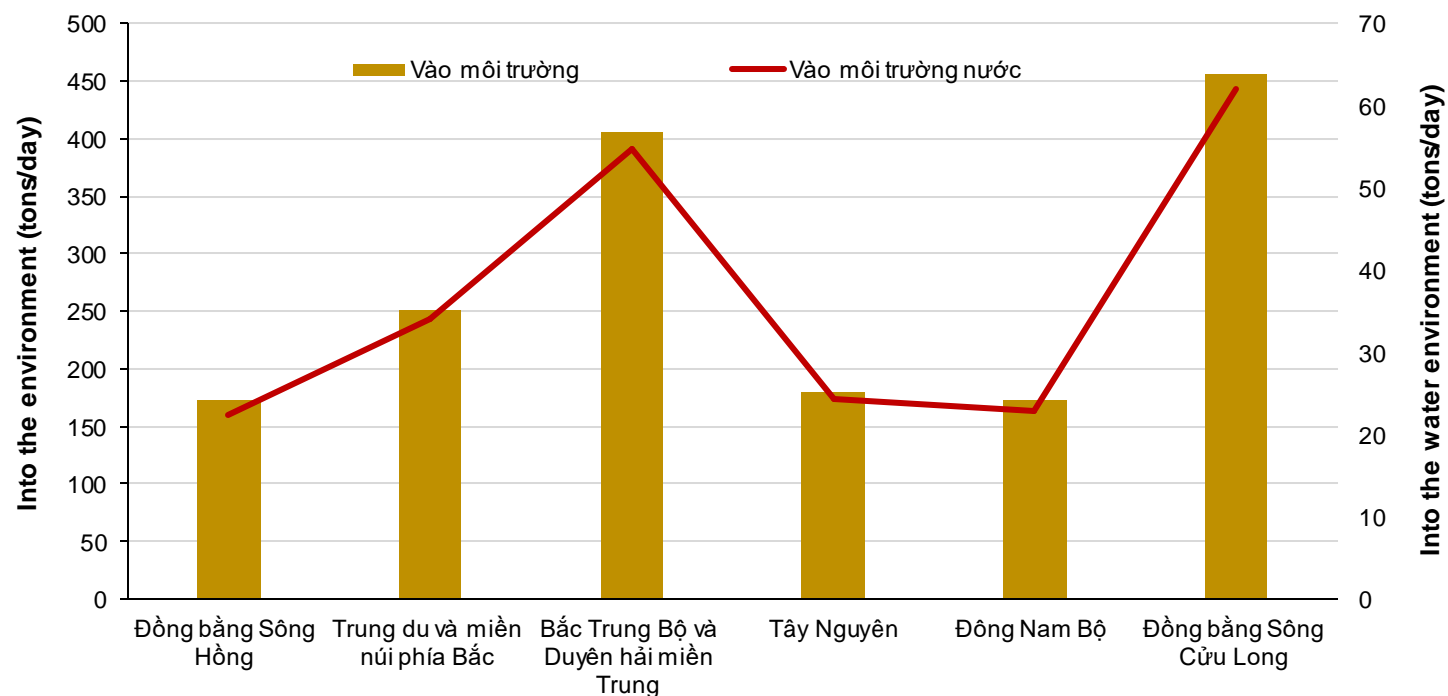


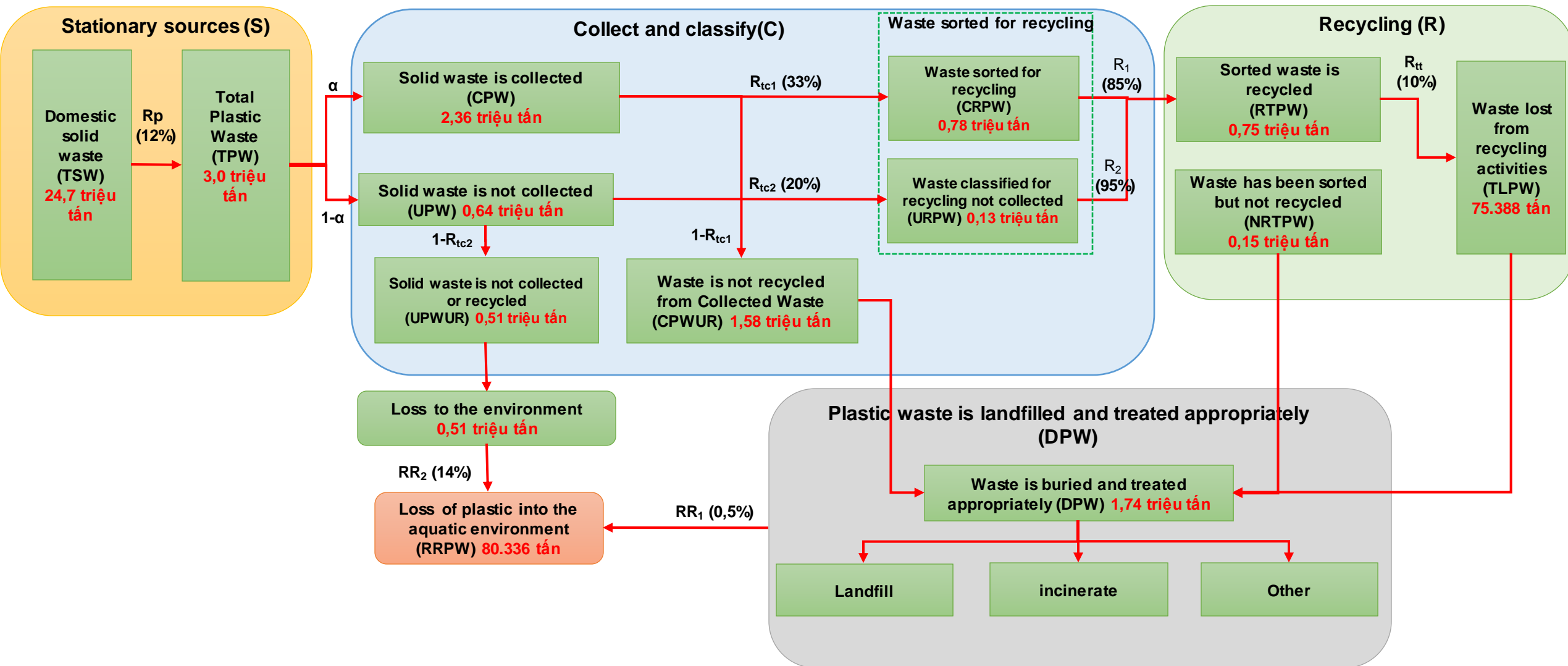
## Current status of plastic waste

## Solutions to reduce

- Total loss to the environment: 0.6 million tons.
- Loss into the water environment: 220 tons/day, ~0.08 million tons/year

Volume of plastic lost into the environment





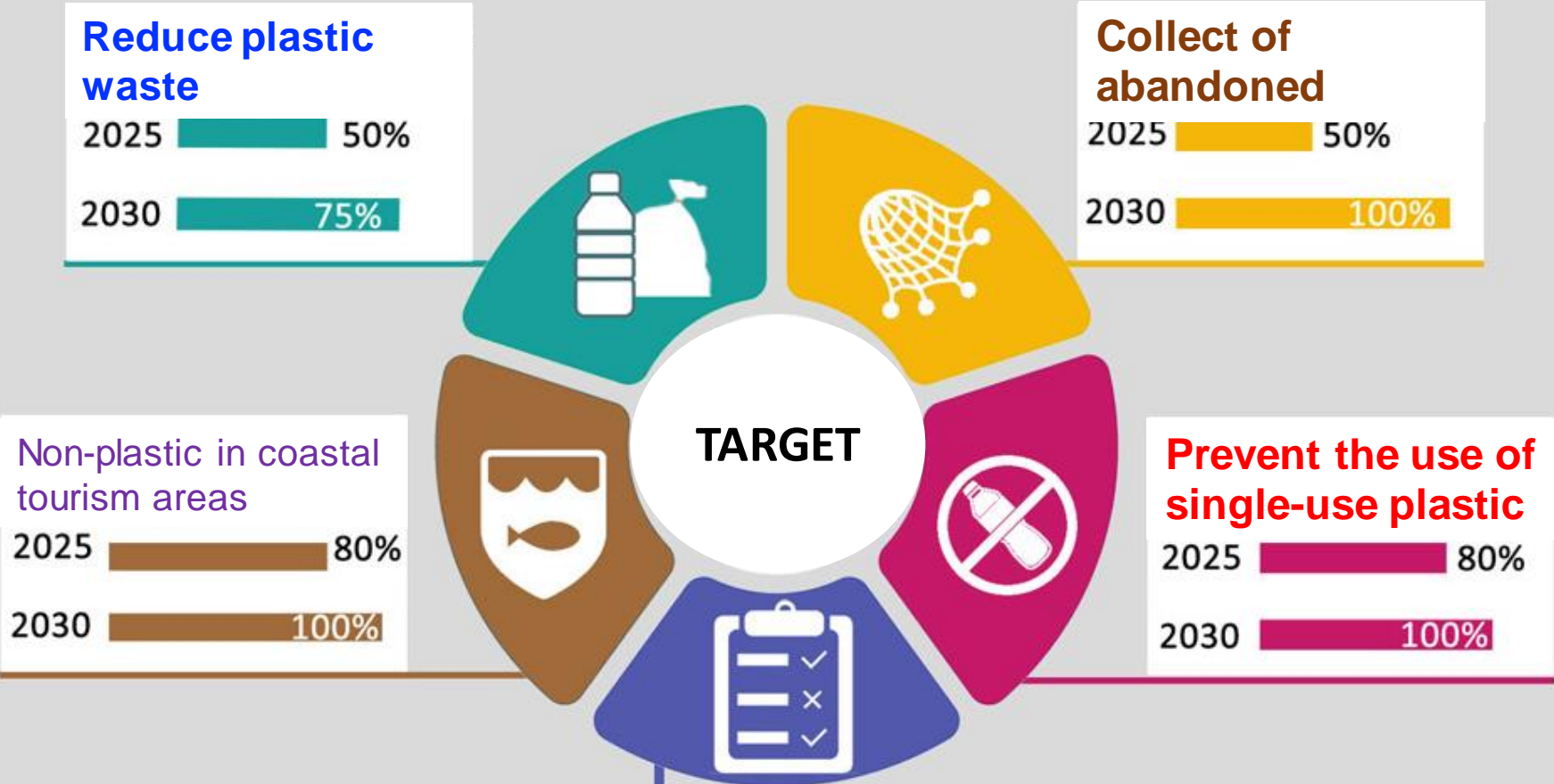




Current status of plastic waste

Solutions to reduce

Specific objectives



NATIONAL ACTION PLAN ON MARINE PLASTIC DEBRIS



## Current status of plastic waste

### Control of plastic litter at source

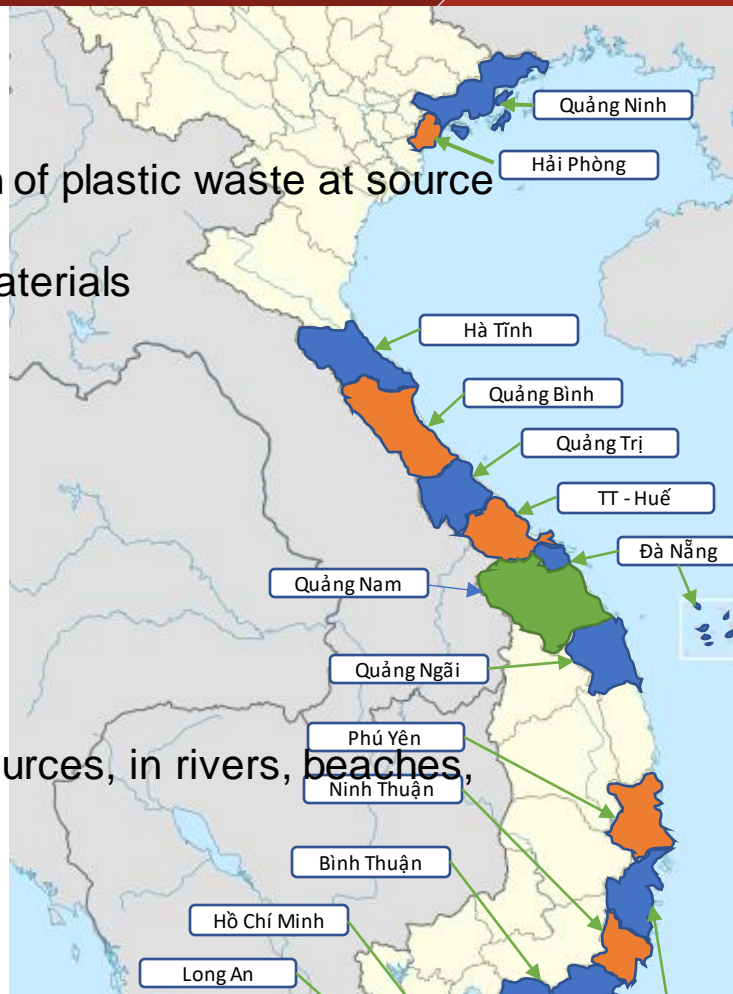
- Implement models of classification of plastic waste at source
- Processing of plastic waste
- Encourage new technology and materials

### Education and training

- Community
- Schools
- Propagate widely in society

### Collection, classification

Collection, classification at waste sources, in rivers, beaches, coastal areas.



## Solutions to reduce

### Investigation, survey

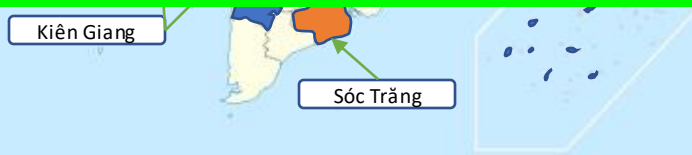
- Rivers
- Coastal provinces
- Tourist spots

### International cooperation

- NGO (WWF, UNDP, WB,...)
- Other countries
- Participate in international treaties

**2018**

**“Preventing, controlling, and significantly reducing pollution of the marine environment; becoming a regional leader in minimizing ocean plastic waste.”**

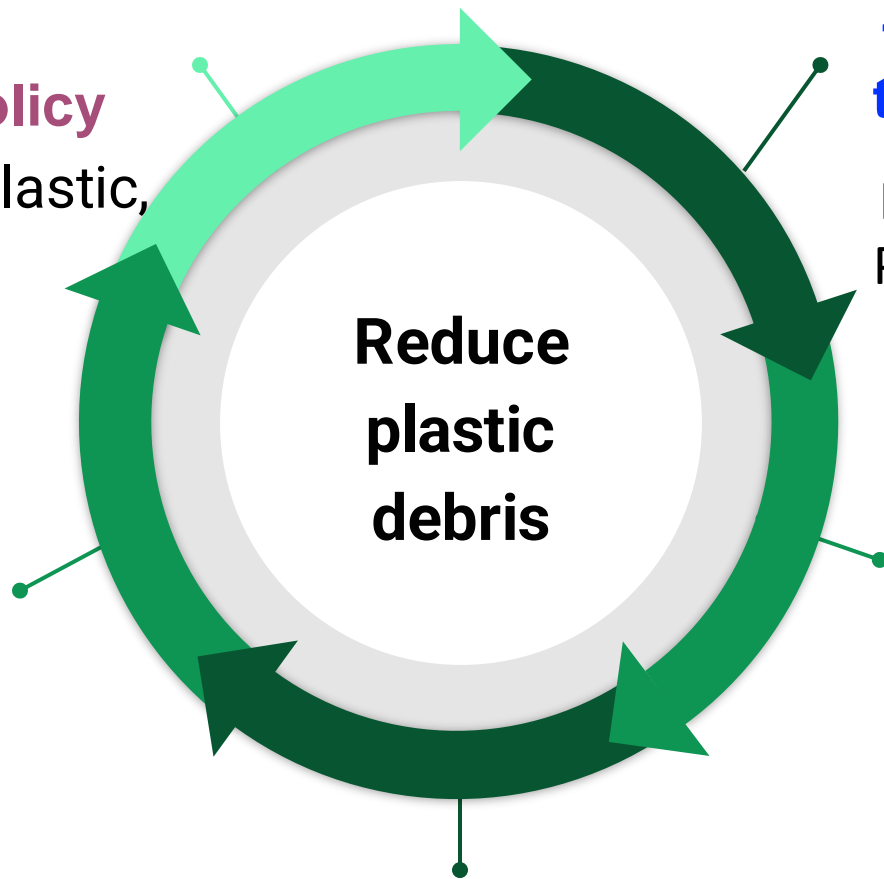


2021

**5. Plastic lifecycle policy**  
reusable, disposable plastic,  
material,...

**4. Communication and education tools**

- Communities engagement on environmental pollution acts
- Communication on waste segregation, 3R, environmental friendly products
- Sea and islands marine plastic waste transfer check-up by the communities
- Education program for students, pupils
- Communities (civil societies, business) to keep the sea



**1. Command-control tools**

Laws on Environmental Protection 2020

**2. Economic instruments**

Laws on environmental protection tax of plastic bag

**3. Technical tools**

05 National technical regulations (QCVN).  
Ministry of Construction, Ministry of Health,  
Ministry of Natural resources and Environment.



## Current status of plastic waste

## Solutions to reduce

1. Prevention and reduction of plastic waste from import, production and trade.
2. Recognition of the Vietnam Green Label has not been widely disseminated.
3. Classification of solid waste, plastic waste after the use process.
4. Collection and transportation of ordinary solid waste, especially plastic waste.
5. Waste treatment.
6. Recycling and reuse of plastic waste.
7. State management apparatus → not good.
8. Communication, education and sanction → need to improve.
9. Resources, such as finance, science and technology, etc. for plastic and plastic waste management activities.
10. Circular economy model along the plastic value chain.





## Current status of plastic waste

## Solutions to reduce

### Development partners supporting Vietnam:

Implement the goals and tasks in the National Action Plan on plastic waste management

Join the Global Agreement on Plastic Waste.

Transition to circular economy with appropriate roadmap and measures.

Sharing experiences, supporting the completion of the state management apparatus on plastic waste management.

To step up communication and dissemination of legal education and raise people's awareness.



**Thank you for your attention**