

MINISTRY OF NATURAL RESOURCES AND  
ENVIRONMENT

MINISTRY OF CONSTRUCTION

**NATIONAL STRATEGY  
FOR INTEGRATED SOLID WASTE MANAGEMENT  
UNTIL 2025 AND VISION TOWARD TO 2050**

*(Draft)*

Hanoi, 10/2009

# OUTLINE

---

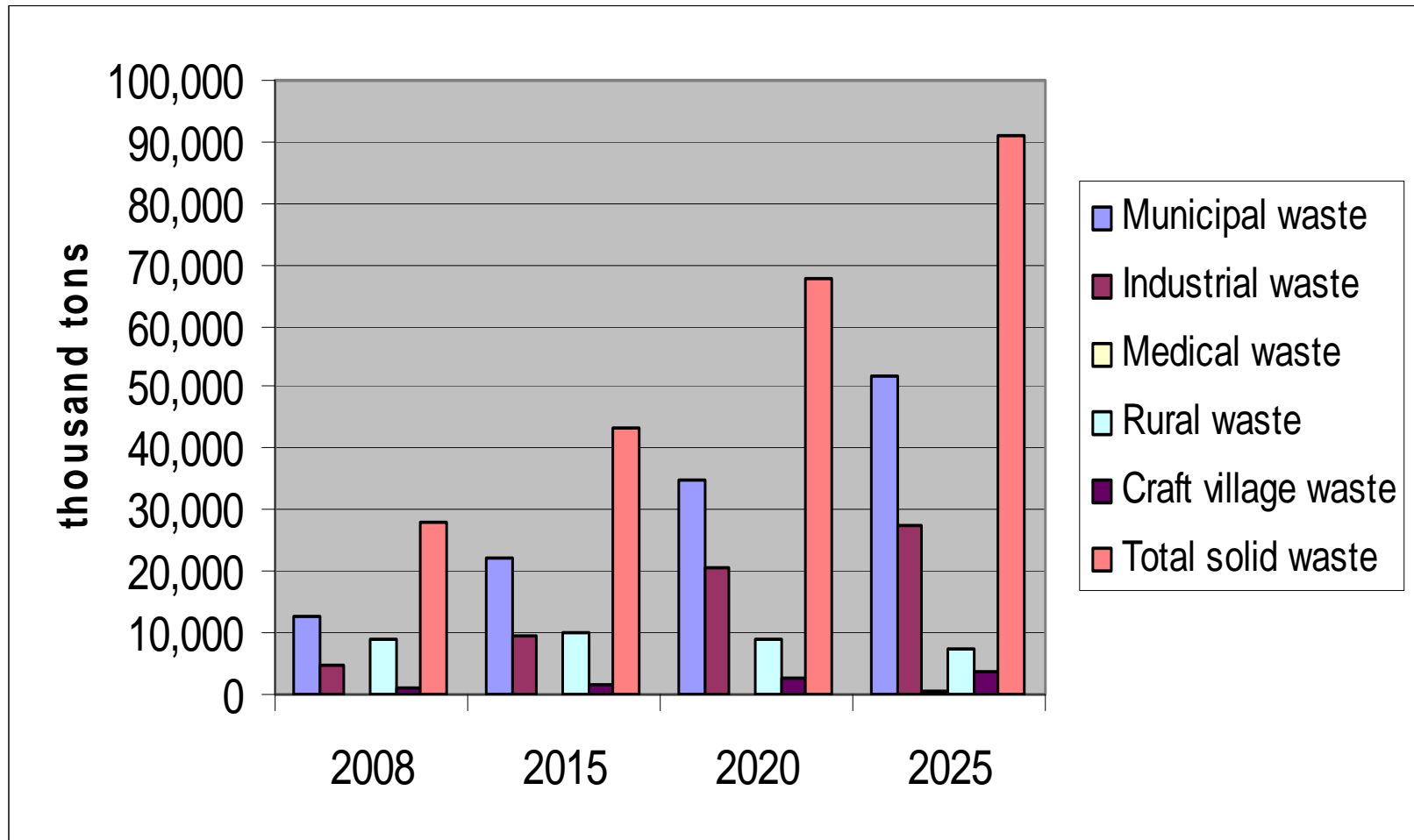
**I. Situation, challenges of integrated solid waste management**

**II. Viewpoints, Objectives of the Strategy**

**III. Solutions for implementation**

**IV. Implementation arrangement**

# 1. Situation and projection of solid waste generation



## 2. Situation of integrated solid waste management

---

- Prevention and reduction of solid waste generation:
  - + Prevention and reduction of solid waste in production, services and consumption have not been cared yet.
- At-source waste sorting:
  - + At-source household waste sorting has not yet become a common practice
  - + Industrial waste: usually sorted at-source.
  - + Medical waste: sorted according to Ministry of Health.
- Solid waste reuse and recycle:
  - + Recycle in craft villages: recycling technologies are old, backward, polluting seriously
  - + Compost production: scattered, market is not really developed
  - + Recycling in enterprises: common but spontaneous

### 3. Challenges of integrated solid waste management

---

- Quantity, compositions and toxicity of waste are increasing
- Low awareness and sense of responsibility of communities on integrated solid waste management
- Weak infrastructure and technology of integrated solid waste management
- Insufficient legislation of integrated solid waste management
- Limited and ineffective investment resources for integrated solid waste management

## 4. Viewpoints

---

- Integrated solid waste management is one of priorities of environmental protection work, contribute to pollution control, toward sustainable development.

- Integrated solid waste management should take prevention, generation **reduction** and at-source sorting as a leading priority task, strengthen **reuse, recycling** to decrease amount of waste which have to be landfill.

- Integrated solid waste management is the responsibility of the whole society.

- Integrated solid waste management is not closed by administration boundaries but implemented in an inter-sectoral, inter-regional way, to ensure economic and technical optimal, social and environmental safety and to comply with socio-economic development, construction and other planning.

- Integrated solid waste management should obey “polluter pays principle (PPP)”.

## 5. Objectives

---

- Objective to 2025:

- To reduce 85% of nylon bags used in supermarkets and trade centers compared with 2010.

- 100% of urban areas will have solid waste recycling systems and implement sorting at household.

- 100% of total generated urban waste will be collected and treated, in which 85% will be recycled, reused, recovered energy or produced into compost.

- 100% of non-hazardous medical waste and hazardous medical waste generated in medical units, hospitals will be collected and treated.

## 5. Objectives (cont.)

---

- Objective to 2025:

- 90% of total amount of construction waste generated in urban areas will be collected and treated, in which 60% will be recovered for reuse and recycling.

- 100% drainage slush of cities from II grade and 30% of the remained towns/cities to be collected and treated.

- 90% of solid waste generated in rural resident areas and 100% in craft villages will be collected and treated.

- To strive sanitation fee which will ensure 100% of cost for solid waste collection and transport activities and 50% cost for solid waste treatment.



---

## *Vision to 2050*

To 2050, all types of generated solid wastes will be collected, reused, recycled and treated by modern, environmentally-friendly technologies, which are suitable with the local context, and the landfilled waste will be minimised to the lowest amount.

### III. Solutions for implementation

---

- Propagate, educate, enhance awareness, sense of responsibility of community in solid waste management
- Complete legislation and institutions of integrated solid waste management
- Make and implement planning of solid waste management
- Develop resources for implementation of the Strategy
- Apply economic tools in solid waste management, establish waste economy
- Promote scientific researches to serve effectively integrated solid waste management
- Strengthen cooperation of stakeholders and international cooperation

## IV. Implementation arrangement

---

- Responsibility of stakeholders:

- + Responsibility of line ministries

- + Responsibility of provincial people's committee

- + Responsibility of business community

- + Responsibility of Vietnam fatherland front and social organizations

- + Responsibility of individuals, households and communities

- Priority programs for implementation of the Strategy

- Monitor and report situation of the Strategy implementation

*Thank you very much  
for your attention*