

Regional Forum on Environmental Compliance in Industrial Sector

**INDUSTRIAL POLLUTION
PREVENTION AND CONTROL
POLICIES AND LAWS -
VIETNAM'S COUNTRY REPORT**

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MAIN CONTENTS

- Industrial development status
- System of legislation on industrial pollution control
- Institutional arrangement for industrial pollution control
- Management tools
- Obstacles/concern
- Recommendations

INDUSTRIAL DEVELOPMENT

- ~ 50.000 enterprises in industrial sector
- Major industries:
 - Mining and quarrying: coal, crude oil, metal ore
 - Beverage and food processing
 - Textile
 - Furniture manufacturing
 - Ceramics and glass production

INDUSTRIAL DEVELOPMENT (cont.)

- Industrial development strategy (Decision 879 in 2014 of the Prime Minister) established prioritized industries:
 - Metallurgy and metalworking: steel, agricultural machineries, automotive (after 2025: shipbuilding, non-ferrous metal, new materials)
 - Chemical industry: basic chemicals, petrochemicals, technical plastics (after 2025: pharmaceuticals)
 - Processing of products from agriculture, forestry and aquiculture

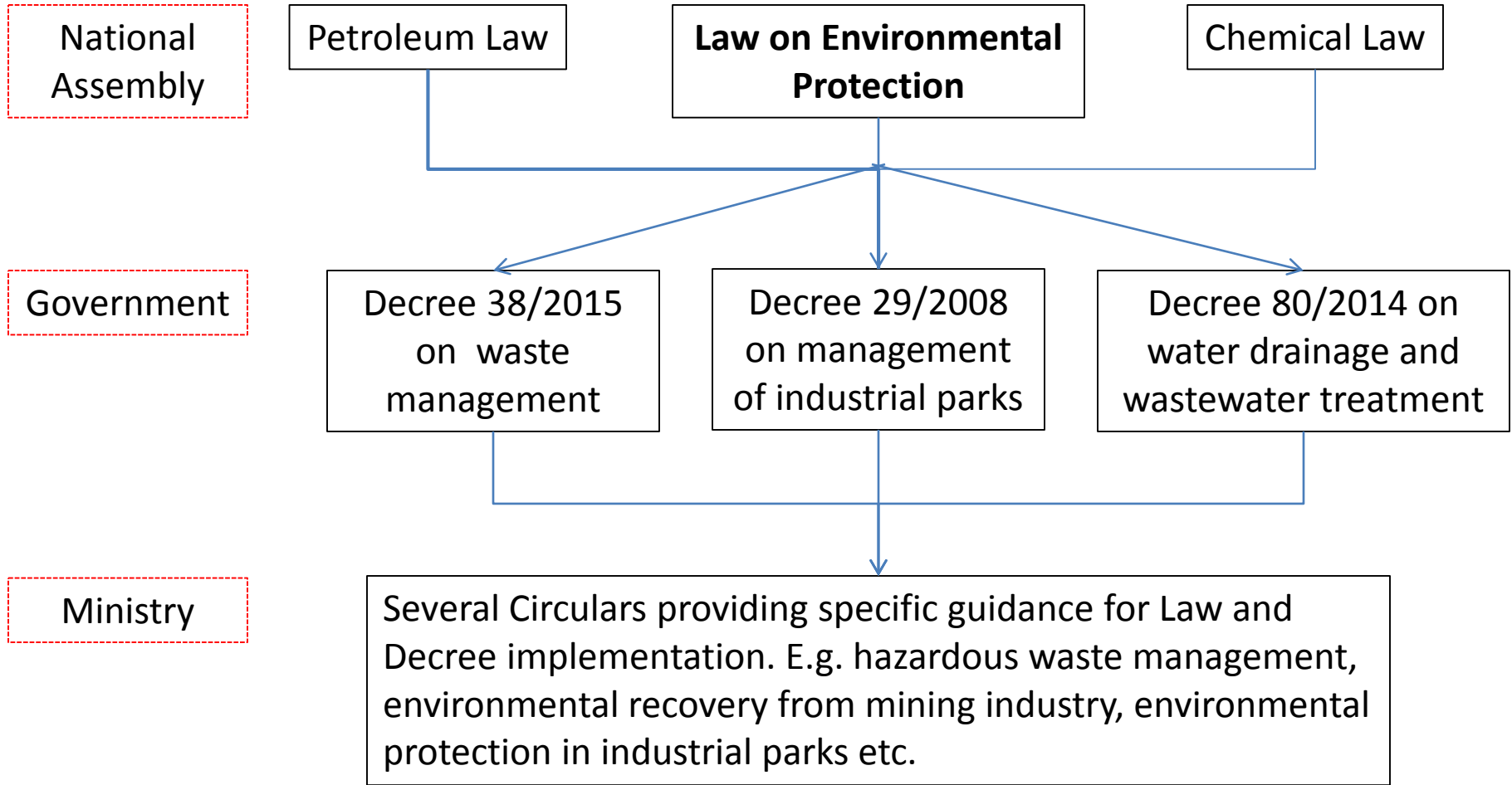
INDUSTRIAL DEVELOPMENT (cont.)

- Industrial development strategy (Decision 879 in 2014 of the Prime Minister) established prioritized industries (cont.):
 - Textile and shoemaking: materials for production (after 2025: high couture)
 - Electronics and telecommunication: parts and accessories for computers and mobile phones (after 2025: software, digital contents, IT services)
 - Renewable and new energy: wind, solar and biomass energy (after 2025: geothermal, tidal, atomic...)

INDUSTRIAL DEVELOPMENT (cont.)

- Industrial development targets:
 - Industrial GDP growth: 12~13% per annum
 - Industrial GDP share: 40~45%
 - Industrial share of export market: 85~90%
 - Industrial greenhouse gas emission growth: 4.0 ~ 4.5% per annum

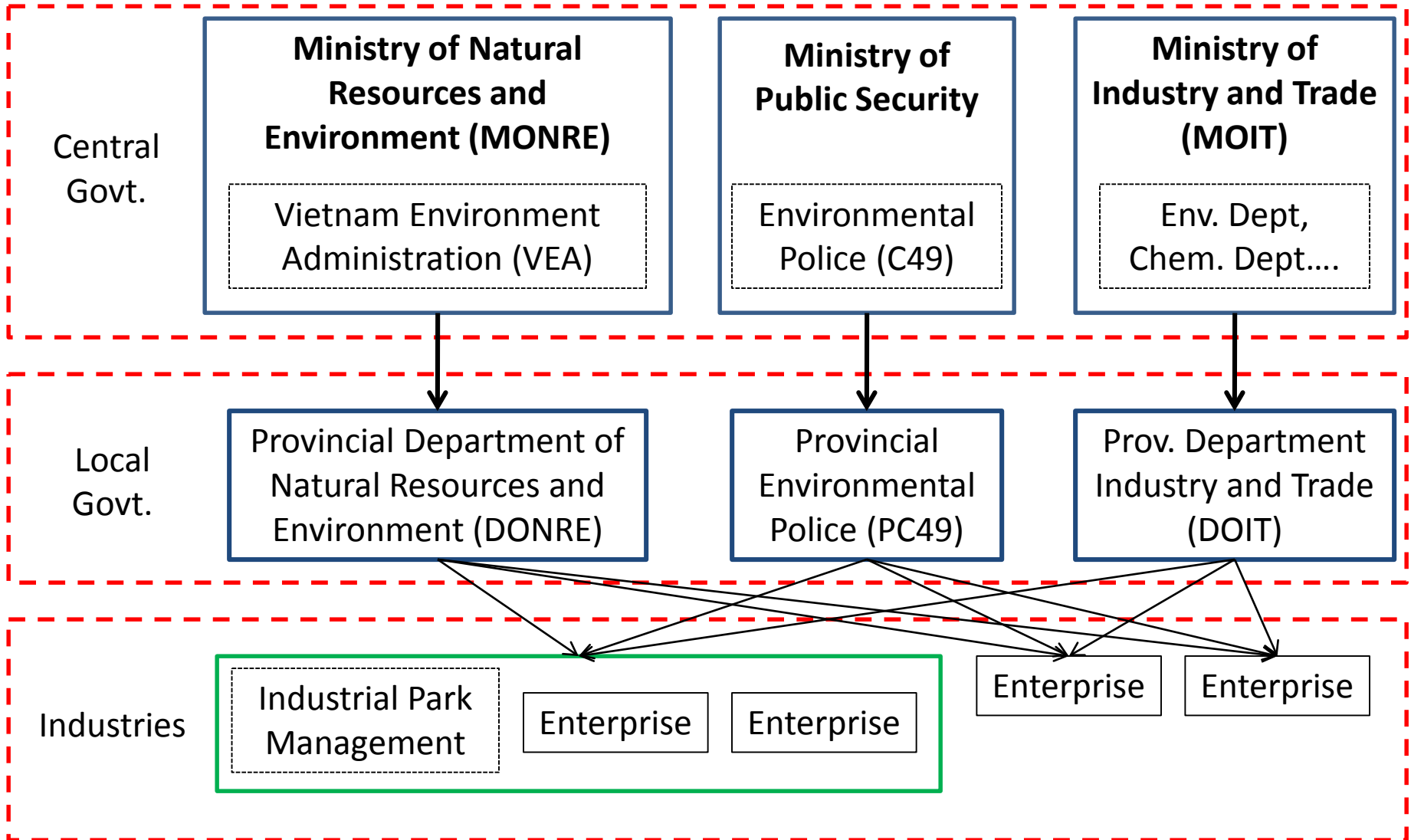
LEGISLATION



LEGISLATION (cont.)

- General principles:
 - Industrial factories must be located inside industrial parks with centralized wastewater treatment system
 - Wastewater must be treated to meet effluent standards
 - Solid wastes must be collected and treated by contracted eligible service providers
 - Air emission must be controlled and treated by each factory to meet effluent standards (no centralized treatment)

INSTITUTIONAL ARRANGEMENT



INSTITUTIONAL ARRANGEMENT (cont.)

Responsibilities

M	- Issuance of regulation
O	- Issuance of standard
N	- Permitting
R	- Inspection, guidance
E	

C	- Investigation
4	- Sanction
9	

M	- Issuance of regulation
O	(for specific industries,
I	e.g. chemical,
T	petroleum...)
	- Inspection, guidance

D	- Permitting
O	- Enforcement
N	- Inspection, guidance
R	
E	

P	- Investigation
C	- Enforcement
4	- Sanction
9	

D	- Inspection, guidance
O	
I	
T	

MANAGEMENT TOOLS

- Permits:
 - For waste treatment service providers
 - Discharge permit
 - Practitioner permit of certain industries (with environmental requirements)
- Standards:
 - Ambient standards: surface water, ground water, air, soil
 - Effluent standards for specific industries
- Reporting: monitoring and periodic reporting requirements

MANAGEMENT TOOLS (cont.)

- Auditing: in development, not required by law
- Other measures:
 - Environmental fees, tax (wastewater, solid waste, mining...)
 - Pollution map and database (in development)
 - Environmental planning, EIA
 - Public involvement (insufficiently recognized)

CONCERNS

- Current plan for industrial development is not suitable with local context
- Overlap and inconsistency in responsibility distribution between key agencies in industrial pollution control → ineffective collaboration
- Inadequate capacity of management agencies
- Lack of effluent standards, specific regulation and technical guidance

CONCERNS (cont.)

- Lack of sanctioning mechanism
- While wastewater and solid situation has been improved, air pollution is still neglected
- Infrequent propagation of legislation
- No viable pollution control technology for very small scale factories
- Lack of mechanism for public participation
- Low awareness and compliance

RECOMMENDATIONS

- Modification of plan for industrial development to suit with local context
- Providing incentives for pollution control in industrial sector
- Encouragement of environmentally-friendly industries
- Enhancement of sanctioning mechanism
- Completion of the effluent standard system

RECOMMENDATIONS (cont.)

- Phasing out small scale factories
- Capacity building for management agencies
- More emphasis on air pollution control (inspection, sanction, guidance)
- Promotion of awareness raising and legislation propagation
- Development of legal provision for public participation

THANK YOU FOR LISTENING