



Ministry of Environment

Current Situation of Transportation Policy in Cambodia

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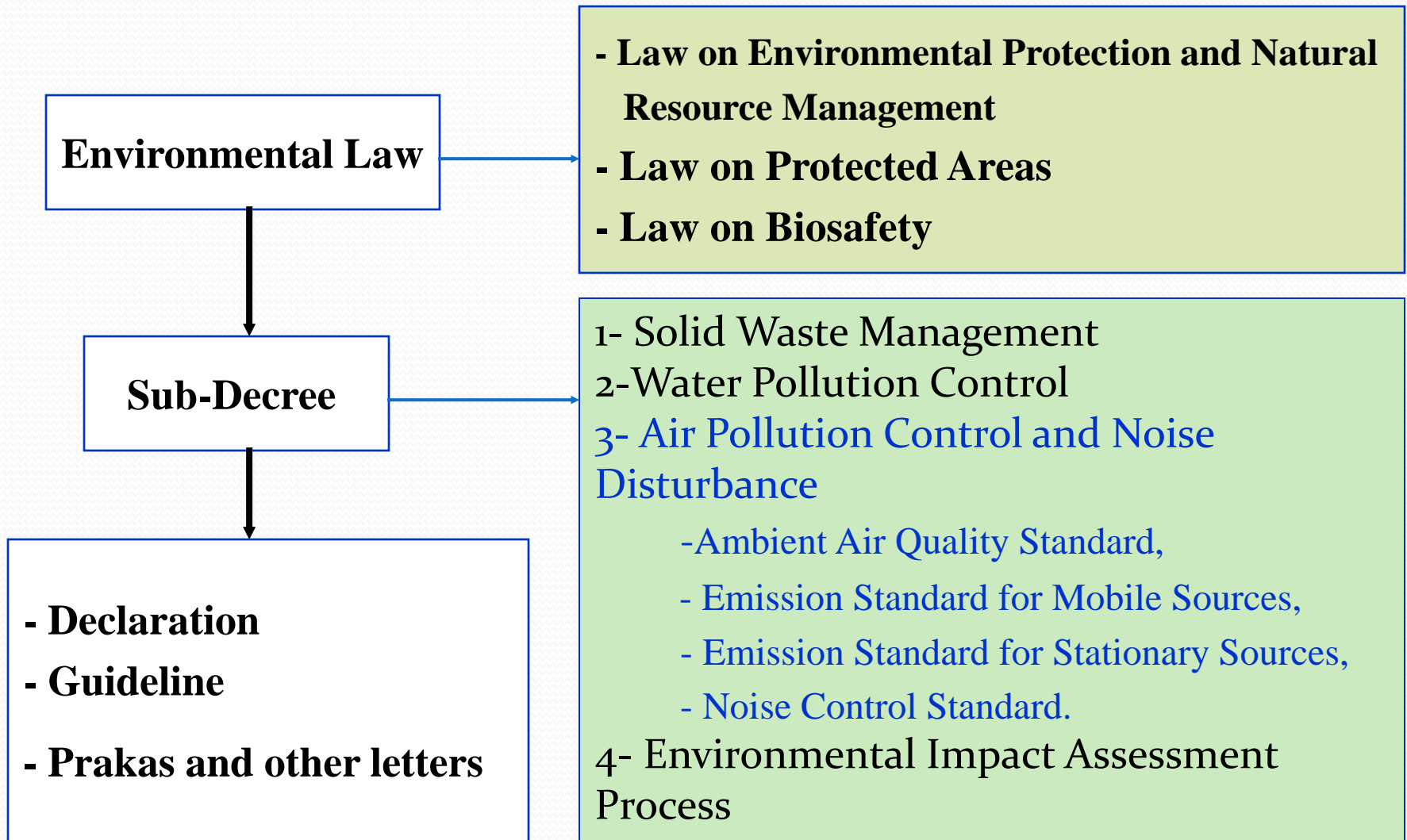
Deputy Director General

General Directorate of Environmental Protection

1- Introduction

- Cambodia has experienced sustained economic growth for the past two decades, with an average annual growth rate of 7.8% between 1997 and 2015;
- Over the same period, vehicle registrations have grown even faster, with an average annual growth of 11.3%, for cars, vans, and trucks, and 21.8% per year for motorbike registrations;

2- Environment Legislation



Current Ambient Air Quality Standard of Air Pollution Control and Noise Disturbance Sub-degree

No.	Parameter	1 Hour Average mg/m ³	8 Hour Average mg/m ³	24Hour Average mg/m ³	1 Year Average mg/m ³
1	Carbon Monoxide (CO)	40	20	-	-
2	Nitrogen Dioxide (NO ₂)	0.3	-	0.1	-
3	Sulfur Dioxide (SO ₂)	0.5	-	0.3	0.1
4	Ozone (O ₃)	0.2	-	-	-
5	Lead (Pb)	-	-	0.005	-
6	Total Suspended Solid (TSP)	-	-	0.33	0.1

Draft New Ambient Air Quality Standard

No.	Parameters	1 Hour	8 Hours	24 Hours	1 Year
		mg/m ³	mg/m ³	mg/m ³	mg/m ³
1	CO	40	20		
2	NO ₂	0.300		0.100	
3	SO ₂	0.500		0.300	0.100
4	O ₃	0.200	0.120		
5	Pb			0.005	
6	TSP			0.330	0.100
7	PM ₁₀			0.120	0.050
8	PM _{2.5}			0.050	0.025

Current Emission Standard of Mobile Source

Table A.9.1 Cambodia Idle Emissions Standards

Fuel	Vehicle	Idle Emission Levels ⁽¹⁾				
		CO (%)		HC (mg/kg)		Black Smoke (%)
		A	B	A	B	
Gasoline	2-stroke motorcycle	4.5	4	10000	3000	-
	4-stroke motorcycle	4.5	4	10000	2400	-
	All four wheeled vehicles	4.5	4	10000	800	-
Diesel	All four wheeled vehicles	-	-	-	-	50

(1) A – all vehicles used over five years from year of production. B – all newly imported vehicles in the first five years from year of production

Proposed new emission standard

- From year 2020 All vehicle imported to Cambodia need to comply with EURO III
- From year 2022 All vehicle imported to Cambodia need to comply with EURO IV
- From year 2025 All vehicle imported to Cambodia need to comply with EURO V

Current Standard of Sulfur, Lead, Benzene, and Hydrocarbon Permitted in Fuel and Coal

No.	Combustible Substances	Sulfur (S)	Lead (Pb)	Benzene	Hydrocarbon
1	Fuel Oil	1,0 %			
2	Diesel	0,2 %			
3	Petrol	-	0,15 g/l	3,5 %	50 %
4	Coal	1,5 %			

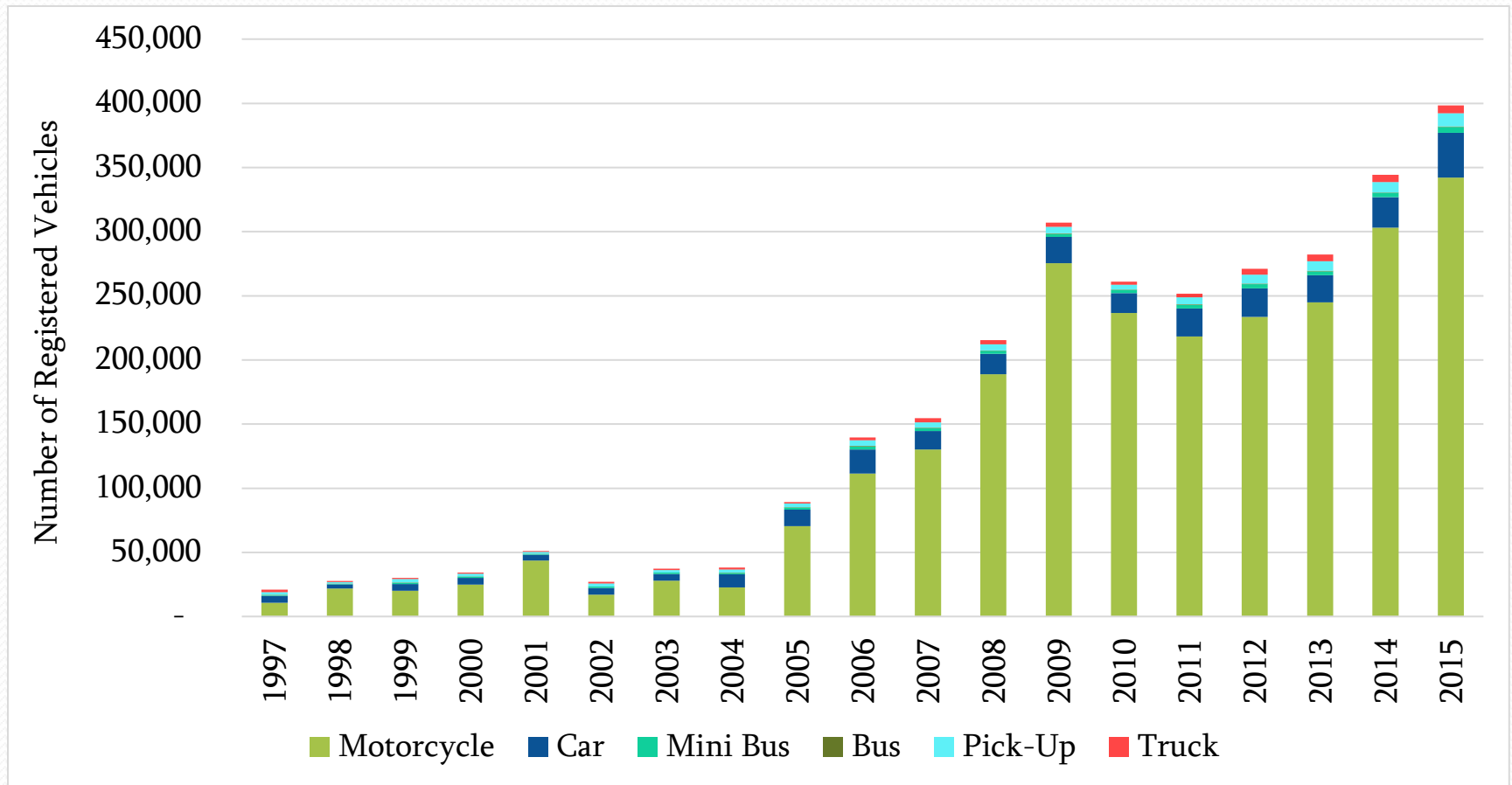
Remark:

This standard applied to control of sulfur, lead, benzene and hydrocarbon permitted in fuel and coal

Propose new fuel standards

- From now until 2020 Sulfur content in fuel need to comply with EURO III
- From 2021 Sulfur content in fuel need to comply with EURO IV
- From now until 2025 Sulfur content in fuel need to comply with EURO V or VI

3 - Registered Vehicles in Cambodia, per Type (1997 to 2015)



4- Recommendations

- 1- Set up new laws and regulation related to air pollution control and revised and amended sub degree on air pollution control and noise disturbance include emission and fuel standards
- 2- Setting up continuously ambient air quality monitoring station in Phnom Penh and other Cities with most ambient air quality parameters.
- 3- Air Quality Index development for showing air quality situation to the public.
- 4- Development of long term strategies on Air Quality Management.
- 5- Public Awareness on air pollution situation to the public and Mass Media.



THANK YOU FOR YOUR
KIND ATTENTION