



# Current Status of Emission and Fuel Efficiency in Lao PDR

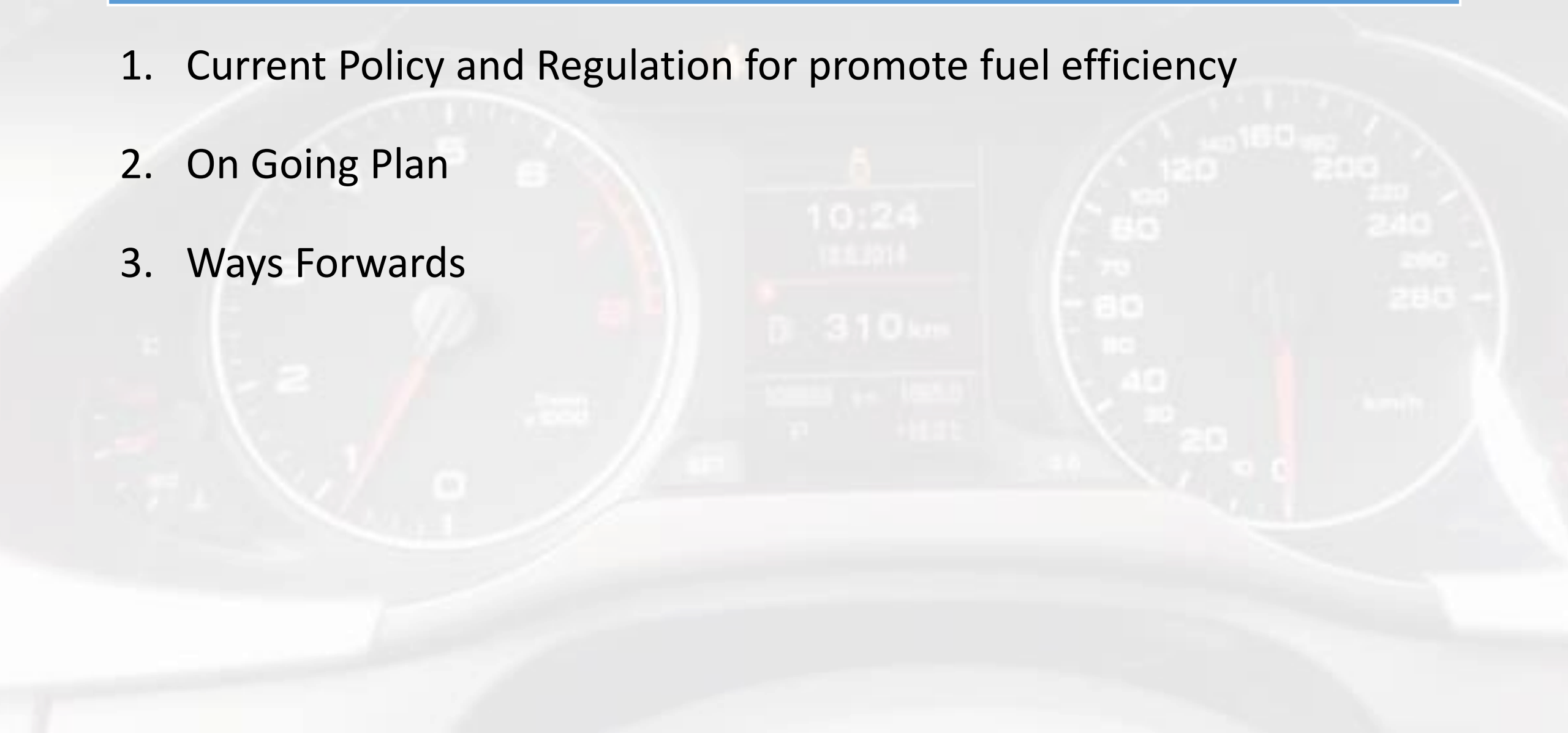
Department of Transport

Ministry of Public works and Transport, Lao PDR

28 Oct 2019, Tokyo, Japan

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# Current Policy and Regulation for promote fuel efficiency

- Vehicle is increasing by 12- 14% per year in average, totally 2,104,568 million.
- Emission Standard is under National Environment Standard dated 21 Feb 2017.
  - 22 inspection centers nationwide (not yet on heavy vehicles)
- Fuel Standard is Under National Standard No: “LS-06-2016”
- Emission and Safety Test is compulsory, this is under regulation No 4312/MPWT, dated 11 Nov 2000.
- Used passenger car is prohibited under decree No 78/PM, dated 3 July 2012.
- Strategy on Environmental Sustainable Transport (EST)
- Conducted Green logistics activities under ASEAN-Japan Frame works (pilot)

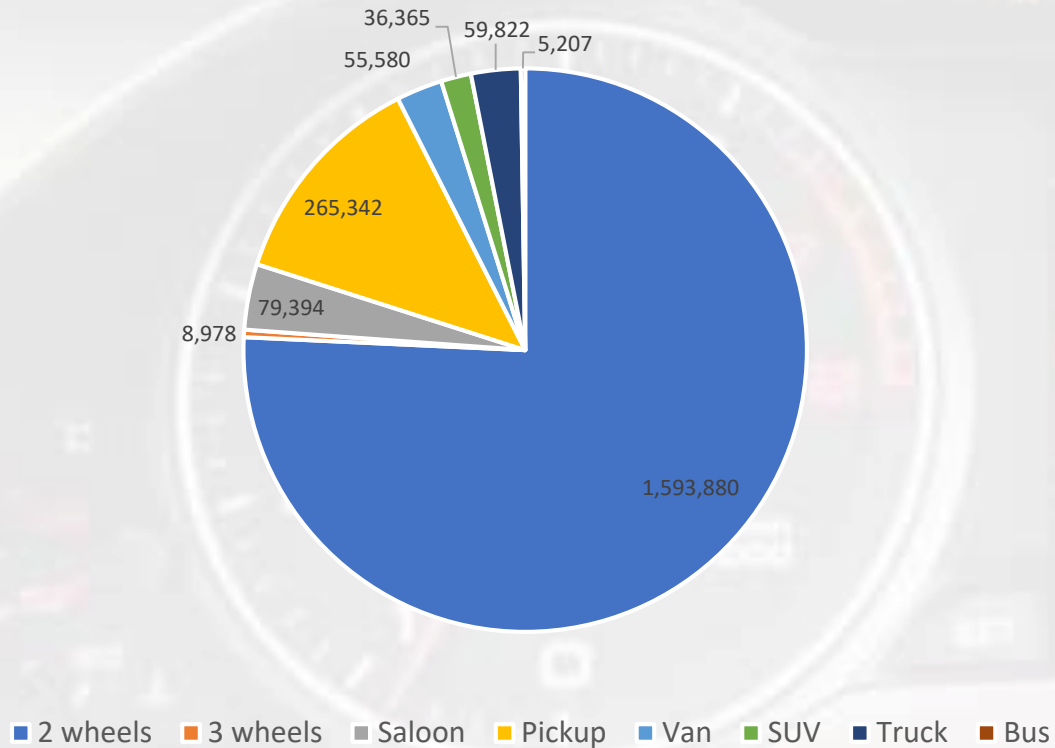
# Current Policy and Regulation for promote fuel efficiency

## Overview of the Status of Fuel Economy policy in Lao PDR

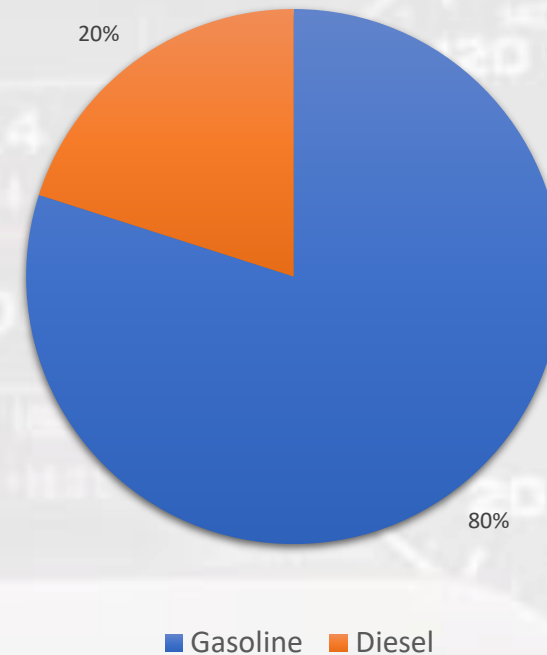
Fuel Economy Baseline	No baseline calculation
Fuel Economy labelling and Public information programmed	No labelling scheme in place
Fuel Economy related tax instrument	Duty reduction for LDV using clean energy e.g. electric vehicles.
Fuel Economy Standard	No Fuel Economy standard in place
Pollutant Emission Standards	Ministry of Science and Technology 1. Monitor fuel quality Ministry of Natural Resource and Environment 1. Regulated environment standards in 2017 Ministry of Public Works and Transport 1. Vehicle Technical Approval for Importation 2. Inspection
Fuel Quality Standard	Euro 4
Import of Used vehicles	Prohibited since 2012 (Light Duty Vehicle)

# Currents Policy and Regulation for promote fuel efficiency

Vehicle Registration Statistic from 2000-2019



Fuel Type



# Currents Policy and Regulation for promote fuel efficiency

## EST focus on 12 Thematic Areas:

1. Reducing noise pollution, dust, and GHG from transport;
2. Urban design for sustainable transport development in the cities;
3. Establishing a public transport plan and managing transport needs;
4. Promoting NTM;
5. Genders equality for transport services;
6. Road safety;
7. Promoting the use of EURO 4 Fuel standards;
8. Inspecting and controlling the standard of vehicles, including road management.
9. Promoting basic knowledge, understanding and involvement of people.
10. Developing the transport network system including road use and management systems.
11. Improving and developing the public transport systems.
12. Improving traffic management, including urban traffic environment.

# Currents Policy and Regulation for promote fuel efficiency

## Priority projects under the strategy on EST

1. The sustainable public transport project in Vientiane Capital;
2. The project studying 2 ways cargo between Laos and neighboring countries;
3. Implementing a new vehicle registration system and modern driving across the country;
4. Development of regulation related to sustainable transport.
5. NMT project;
6. Promoting public awareness on EST projects;
7. Setting A coordinating mechanism for implementing a sustainable transport system;
8. An efficient and effective transport project by combining all modes of transport (multimodal transport).

# Currents Policy and Regulation for promote fuel efficiency

## **ACTIVITIES UNDER GREEN FREIGHT AND LOGISTICS PROJECTS**

1. Green Freight Project under ADB (completed)
2. Project on Development of Sustainable Freight Transport and Logistics in the Mekong Region under GIZ – EU program
3. Green Logistics under ASEAN – JAPAN



# Currents Policy and Regulation for promote fuel efficiency

## **Green Freight project under ADB assistance (completed June 2016)**

### **The project focused on 3 areas:**

- (i) Increasing access to financing vehicle technologies
- (ii) Improving driver behavior and vehicle maintenance; and
- (iii) Improving logistics management and fleet utilization

### **Activities:**

- Procurement and installation of Tires and Aerodynamic for bus and trucking companies;
- Eco-drive training for 90 truck and bus drivers on driving technique to reduce fuel consumption and good driving behavior .

# Currents Policy and Regulation for promote fuel efficiency

**Project on Development of Sustainable Freight Transport and Logistics in the Mekong Region** (under GIZ – EU program, plan to start April 2017, now under discussion on detailed activities)

- **The project will focus on :**

1. Enhance the implementation of fuel efficiency measures for transport operators by providing training to truck and logistics company, organize study trip to exchange the knowledge and experiences among GMS countries.
2. Conduct monitoring and evaluation of training to ensure the effectiveness of training and disseminate the best practices to SMEs
3. Support for experts/specialists to review and improve the regulations on the transport of dangerous goods and organize seminar for truck operators in GMS regarding dangerous goods standard
4. Promoting and supporting initiative knowledge and experience on Laos's Green Freight standard and labeling.

# Currents Policy and Regulation for promote fuel efficiency

## 3). Green Logistics activities under ASEAN – JAPAN III.

### **Vision:**

Under ASEAN Strategic Action Plan, Japan will assist to develop a common green logistics framework with doable and attainable measures that would enhance the implementation of green logistics policies within ASEAN Member States.

1. Develop and implement green logistics measures that would encourage private sectors and individual consumers to promote green logistics;
  2. Share the best practices on green logistics;
  3. Create a Checklist Guide on green logistics to provide guidance and instruction toward the private sectors initiatives and operations to promote green logistics.
- **📌Action Plan:**
  - Completed pilot project in 2017 with Malaysia and invited AMS to participate the learning and sharing of experience;
  - ii)Phase II project will be expanded to other AMS in 2019.

# On Going Plan

1. Build up Motor Vehicles Law (40%)
2. Drafting the EV regulation
3. Build up new Regulation to managing inspection center in the Nation wide
4. Revised the existing Vehicle Type Approval Regulation
5. Decree for managing import and export motor vehicles in Lao PDR

# Ways Forwards

- I. **Perspective of Lao transport sector: to achieve fuel efficiency, reduce emission and sustainable transport, the following areas need to be considered :**
  1. 2 Ways cargo transportation (develop skill for top management level of enterprise to enable the access to market);
  2. Training for Goods Driving behavior;
  3. Appropriate fleet utilization (financial mechanism to SMEs);
  4. High load bearing capacity of road infrastructure.
- II. **Need supports on implementing projects under Lao Strategy on EST:**
  1. Financial supports on project feasibility study and project implementation;
  2. Human resource development both public and private sectors in the area of green / sustainable freight and logistics.