



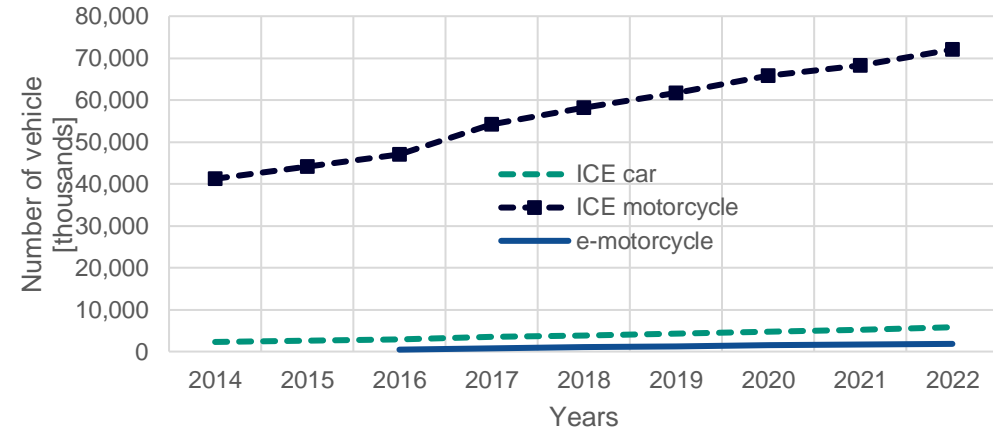
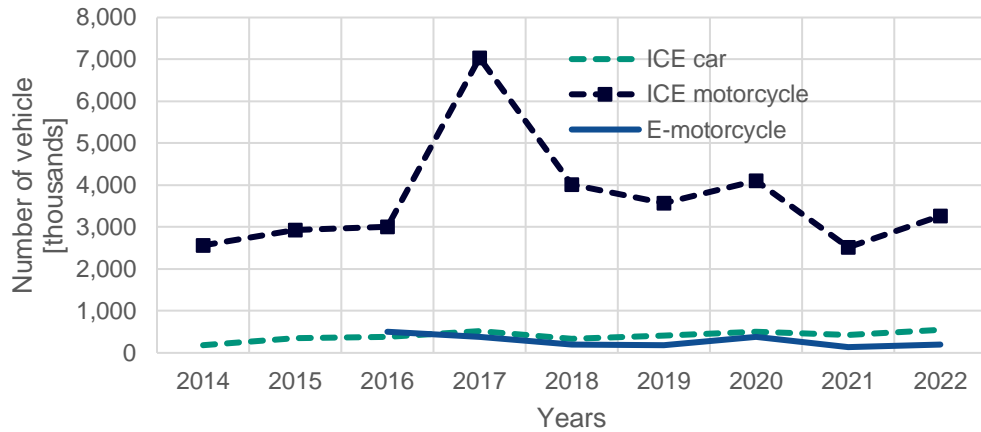
Global Electric Two- and Three- Wheeler Conference

ELECTRIC TWO WHEELER ECOSYSTEM IN VIETNAM

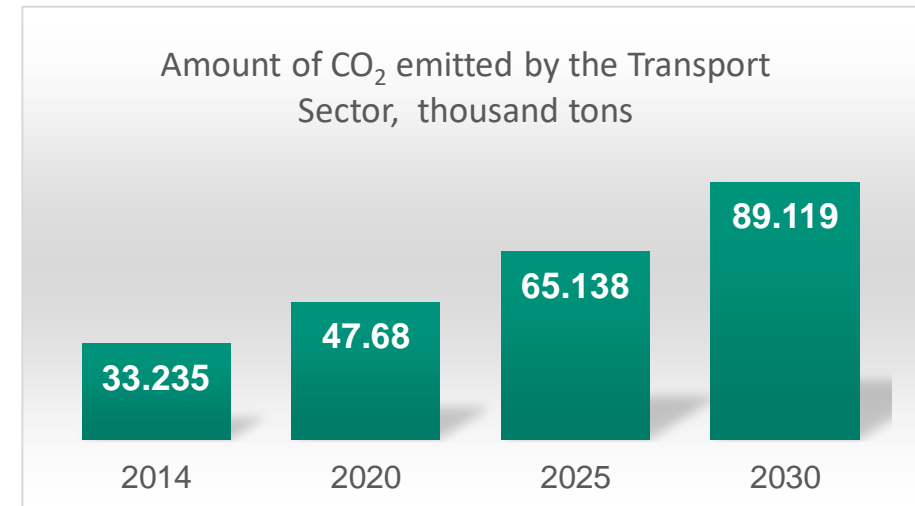
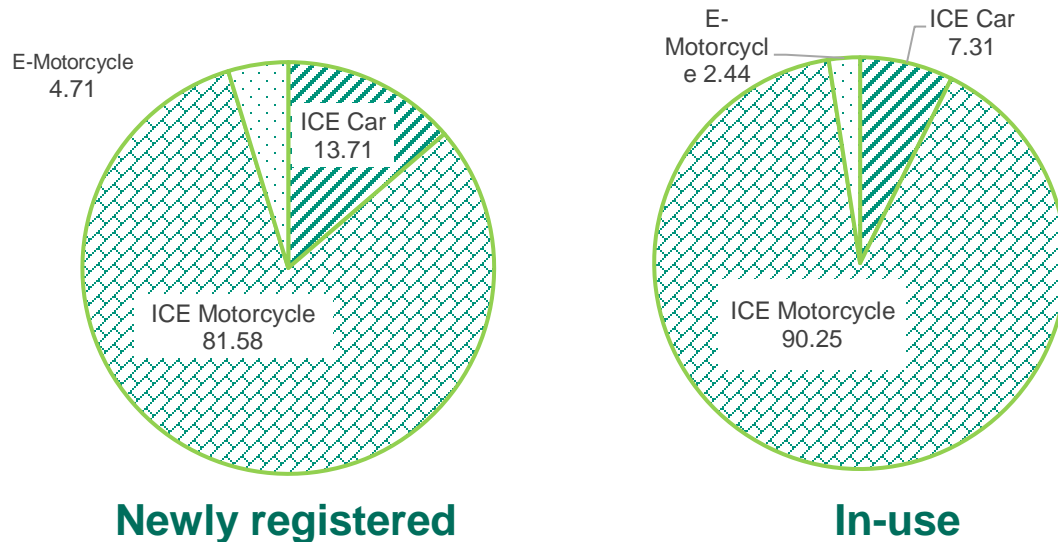
Thailand , 9–12 October 2023

CURRENT STATUS OF ROAD VEHICLES IN VIETNAM

Number of newly registered and in-use vehicles nationwide over the years
(Source: National Traffic Safety Committee)



Share of newly registered vehicles of all kinds and share of in-use vehicles nationwide in 2022 (source: National Traffic Safety Committee)



COMMITMENT AND ACTION



COP26 Conference

- The Prime Minister's commitment to bring net emissions to zero by 2050



At the COP26 Conference, Vietnam made a strong commitment to the international community to achieve net zero emissions by 2050. Right after COP26, Vietnam urgently concretized and immediately started implementing the commitment to the international community.

Decision No. 876-TTg July 2022

- Action program on green energy conversion, reducing carbon and methane emissions of the transportation sector

- + Promote the manufacture, assembly, import and conversion of road vehicles (including motorbikes and mopeds) using electricity.
- + By 2040: Gradually limit and stop the manufacture, assembly and import of cars, motorbikes and mopeds using fossil fuels for domestic use.
- + By 2050: 100% of road vehicles (including motorbikes and mopeds) participating in traffic will convert to using electricity and green energy.
- + Complete electric charging infrastructure and provide green energy nationwide to meet the needs of people and businesses.
- + Develop preferential investment policies and incentives for businesses and people in the process of converting from vehicles using fossil fuels to using electricity and green energy.





United Nations Environment Program



Agreements

MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (Focusing on 2-Wheelers) Sep. 2018



University of Transport Technology

SUPPORTING SCALING UP EFFORTS TO PROMOTE ELECTRIC 2&3 WHEELERS Aug.2022



MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (focusing on 2-wheelers)



MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (Focusing on 2-Wheelers)



Bert Fabian - UNEP

Nguyen Huu Tien - DOE, MOT



Advisory Group and Stakeholder Consultations



Tran Quan Ha - DOT, MOT



Tran Huu Minh - NTSC



Nguyen Van Phuong - VR



Le Van Yc - VAMM



Activities

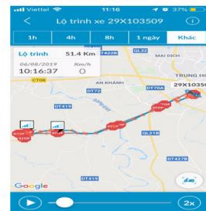
Activity 1: Project Launch Workshop, National Stakeholder Steering Group Consultations and Baseline Dissemination Workshop;



MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (Focusing on 2-Wheelers)



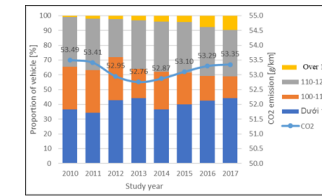
3.1. Pilot Project Design Report with Awareness Raising Strategy



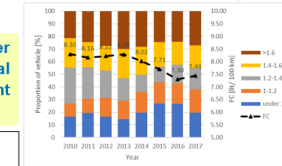
MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (Focusing on 2-Wheelers)



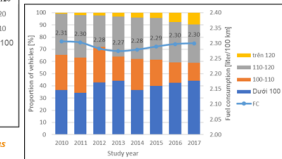
2.1. Report on the average 2 wheeler fleet baseline and Business-As-Usual trends with CO2 and pollutant emissions projections.



Calculation results of average motorcycles CO₂ emissions



Calculation results of FC for motorcycles by weight



Results of the FC for LDV by weight



Activity 2: Electric Mobility National Baseline Setting and Business-As-Usual Scenario Assessments;

Activity 3: Design and Launch of Electric Mobility Pilot Study ; Conducting of Technical Assessments.

MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (focusing on 2-wheelers)



1.1. National Project Launch Workshop Report

1.2. National Baseline and Pilot Design Dissemination Workshop Report

1.3. Advisory Group and Stakeholder Consultations Report

Deliverables to UNEP

2.1. Report on the average 2&3 wheeler fleet Baseline and Business-As-Usual trends with CO2 and pollutant emissions projections.

2.2. Report on the electricity demand baseline and trends given various electric mobility uptake scenarios.

2.3. Report on the local manufacturing potential for electric vehicles and their components as well as industry financing requirements

2.4. Report on the barriers for uptake of electric mobility in Vietnam with recommendations for mitigation.



3.1. Pilot Project Design Report with Awareness Raising Strategy

3.2. Final Technical Studies and Reports

MAINSTREAMING ELECTRIC MOBILITY IN VIETNAM (focusing on 2-wheelers)



programme

Nguyen Huu Tien
- DOE, MOT



Advisory Group and
Stakeholder Consultations



Tran Quan Ha -
DOT, MOT



Tran Huu Minh -
NTSC



Nguyen Van Phuong
- VR



Le Van Yg - VAMM

Impacts

* The high-ranking steering group for the project established by leaders of senior governmental agencies was a great success, helping to raise awareness of stakeholders, especially specialized management agencies in promoting electric mobility.



* Successfully organized national conferences have strongly spread the message about converting to electric mobility. The Project's deliverables were directly reported to the Prime Minister on the occasion of the Prime Minister's visit and working with the University of Transport Technology.



* Project deliverables such as: fuel baseline calculation results for LDV, HDV and two-wheelers; policy research reports; national technical standards and regulations... is an important and useful reference document for all stakeholders in promoting electric mobility in Vietnam.

Activities



Activity 1: Support further development and implementation of policies on electric 2&3 wheelers, including manufacturing in Viet Nam;



Activity 2: Support the demonstration project for promoting e-scooter and e-bicycle sharing in Hanoi with the University of Transport Technology;



Activity 3: Support the integration of electric mobility, particularly 2&3 wheelers into a national framework on Measuring, Reporting and verifying (MRV) carbon emission mitigation for climate change related projects of Viet Nam.



The report of proposing policies to promote the development of electric two-wheelers, including manufacture, will be the scientific basis for state management agencies to issue appropriate policies. Especially in the context of a very large number of gasoline two-wheelers that need to be converted to electric vehicles.



Impacts

Guidance document on MRV framework for carbon emission mitigation when converting to electric vehicles can help companies and transport businesses calculate the effectiveness of reducing CO2 emissions; state management agencies at the provincial/city level evaluate and report CO2 reduction when switching to using electric 2-wheelers.

The project's research team leader is also a member of the Technical Committee for Road Vehicles National Standards (TC22), and a member of the Technical Subcommittee for Electric Vehicles National Standards (SC37), so the results the project's research will be directly referenced in the process of developing national technical standards and regulations on electric vehicles.

THANK YOU FOR YOUR ATTENTION!

Kindly reach me at:

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