



UNIVERSITY
OF CENTRAL ASIA



“Planning for decarbonization of transport and sustainable transport infrastructure in the Kyrgyz Republic”

Policy Brief

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Automobile transport –the source of air pollution

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Research Methodology

Desk research

Articles, researches, mass media

Comparative analyses

Based on 3 criteria - cost, feasibility, and equity

Social survey

Interview of Bishkek citizens on air quality

Car is the main polluter

1.3 Mln. cars in the KR /480 000 in Bishkek (stat. kg);

About 66% of vehicles have more than 15 years of operation;

Contribution of vehicles to Bishkek air pollution – 60-90%

Greenhouse gas emissions -48% in 2030
(SDG roadmap of the KR)



Impacts on health and environment

- Diseases of the cardiovascular system are the main cause of death in Kyrgyzstan (50% of deaths in 2018- WHO stat.);
- Over 50% respondents have complains on health conditions due to air pollution in Bishkek (Survey of Urban & Air Pollution research team, 2021);
- Environmental issues: greenhouse gases, air pollution, climate change;

Recommendations for solution

1. Regulation of vehicle emissions through the introduction of new regulations and fines, increased control over the technical condition of vehicles:

- introduce a system for monitoring the condition of all vehicles for compliance with the level of emissions to the established norm
- ”Polluter must pay”, principles
- compliance with European standards
- creation of “zones with low emissions”
- re-equipment of cars to reduce exhaust gases



Recommendations for solution

2. Development of public transport, walking and cycling infrastructure

- transition to electric buses, hybrid and gas - transport (on the basis of PPP and exemption from VAT)
- Creation of parking spaces at the entrances to the cities
- Interests of pedestrians vs car owners
- Construction of pedestrian and bicycle infrastructure



Planning for decarbonization of transport - comparative analyses

№	Proposed measure	Expected results	Opportunities (+/-)	Risks
1	Strengthening the control of the technical condition of vehicles	Reduction of pollution sources	Strategic documents, legal acts	Loss of income for taxi drivers, carriers, etc. Overpricing of fuels and services Social tension
	Increase in penalties for exceeding emissions	Improved vehicle park Reducing the number of accidents	Implementation of information gathering methodology and monitoring program	
	Introduction of a new form of emissions	Budget replenishment Improving public health	Infrastructure and quality of fuel Professionals, equipment for scanning and re-equipment	
2	Development of public transport	Economic and social development	Time and Investment	
	Improvement of the pedestrian and bicycle infrastructure			

“1 bus instead of 50 cars”



Recommendations to the Government of KR , Transport Ministry and local administrations/meria

Develop a roadmap for the development of the transport sector and ensuring environmental safety

Create an open dialogue platform for discussion, monitoring and participation of all stakeholders. Use the potential of scientists, students and migrants abroad by ensuring their participation

Create a center “Bishkek/Osh - a zone of clean air” to disseminate the adopted decisions and best practices on environmentally friendly behavior

Designate the city of Bishkek as an “ecological zone” and develop a regulatory framework for the use and import of motor vehicles


Develop a car recycling program and, at the same time, amend the National Development Strategy of the Kyrgyz Republic for 2018-2040 in terms of equipping with electric vehicles and recycling old cars.

Introduce an information campaign to raise public awareness of the transition to an environmentally friendly lifestyle and their opportunities to participate in reducing emissions.

Sales

THANK YOU

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