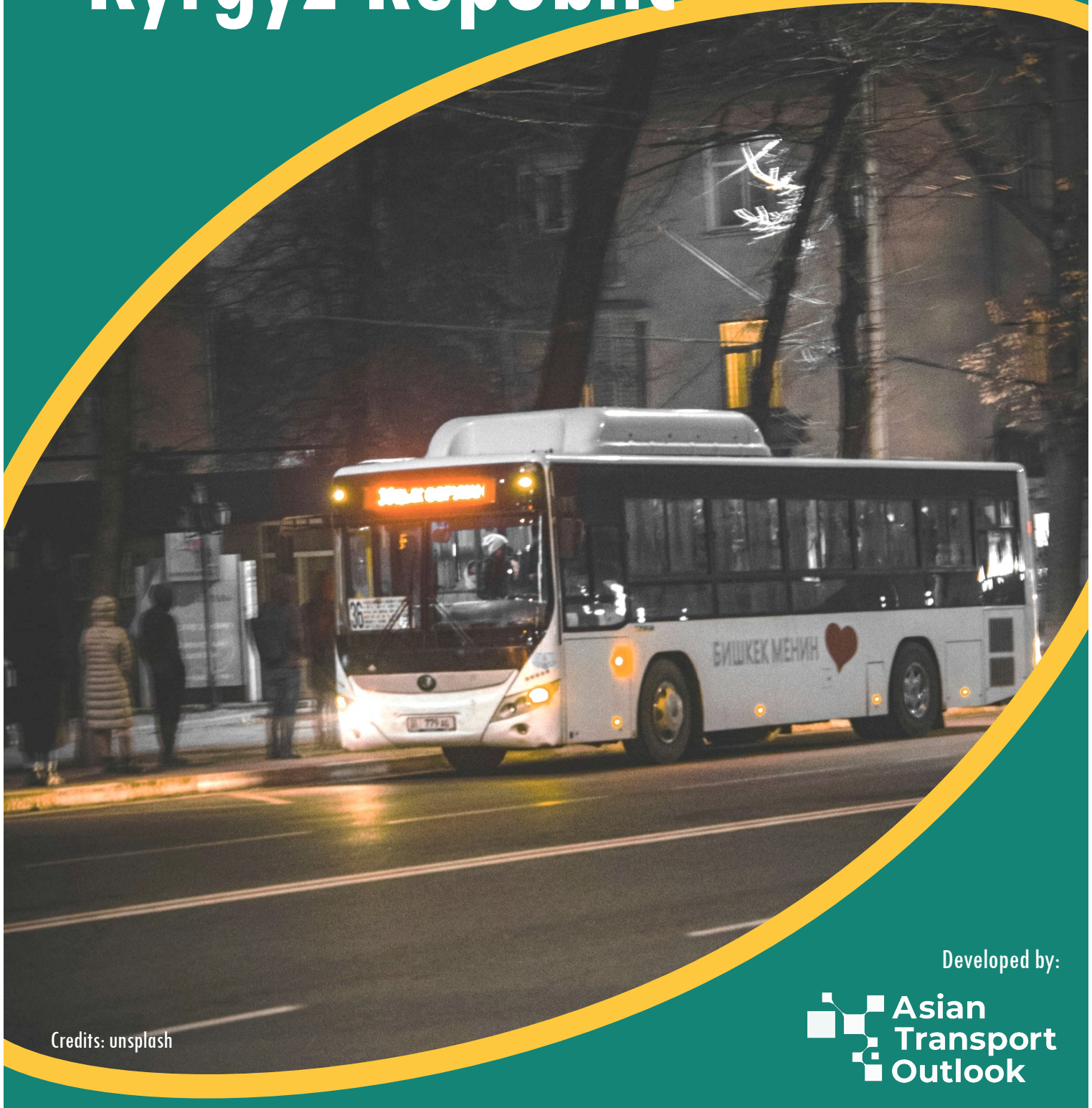


Transport and Climate Profile

Kyrgyz Republic



Credits: unsplash

Developed by:



Developed with the support of:



Introduction to the profiles: These “Transport and Climate Profiles” are part of the research work entitled “Transport NDC Gap Analysis for Low- and Middle-Income Countries (LMICs) in Asia and the Pacific” which is being implemented and builds on the work of the Asian Transport Outlook (ATO), a project initiated and supported by the Asian Development Bank (ADB). ATO is also being supported by the Asian Infrastructure Investment Bank (AIIB). The research is being co-funded by UKAID through the UK Foreign, Commonwealth and Development Office (FCDO) under the High-Volume Transport (HVT) Applied Research Program managed by DT Global International Development UK LTD (DT Global). The research is being implemented under HVT057 (Transport Decarbonisation Index - <https://transport-links.com/funded-projects/transport-decarbonisation-index-tdi>) whose lead research supplier is the Partnership on Sustainable, Low Carbon Transport. These profiles are designed to complement the main report of the research entitled *Bridging the Gap: A Deep Dive into NDCs and Transport Policy Landscapes in Low- and Middle-Income Asian Economies*. While intended as supplementary materials, they also function as standalone knowledge products. All the related knowledge products will be made available through <https://asiantransportoutlook.com/analytical-outputs/ndc-analysis> and <https://asiantransportoutlook.com/analytical-outputs/transportclimateprofiles/>

The Asian Transport Outlook (ATO) is an initiative that aims at strengthening the knowledge base on transport in the Asia-Pacific region. It supports the planning and delivery of transport-related assistance in Asia, supports wider transport policy making, and helps track global and regional processes related to sustainable development. For example, ATO is the monitoring mechanism for the Aichi 2030 Declaration on Environmentally Sustainable Transport – Making Transport in Asia Sustainable (2021-2030) which was adopted by more than 20 countries in Asia-Pacific through the High Level Environmentally Sustainable Transport Forum (EST) that is organized by the United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, along with its partners. For more information, visit asiantransportoutlook.com

This profile is structured into two main sections: Data Insights and Policy Insights. Under “Data Insights”, individual components at the intersection of transport and climate change are detailed. Similarly, the “Policy Insights” section outlines various policy documents, measures, and targets.

Disclaimer: The ATO project collects, collates, organizes, and presents transport-relevant data from publicly available official sources and reputable, peer-reviewed secondary sources. Users should be aware that: the ATO does not generate any primary data; the source data may contain inconsistencies or gaps; despite rigorous quality control measures, the ATO cannot guarantee the absolute accuracy, completeness, or suitability of the data for specific purposes.

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Transport and Climate Profile: Kyrgyz Republic

2024

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Executive Summary

The Kyrgyz Republic, a lower-middle-income economy in Central and West Asia, has seen a decline in transport sector CO₂ emissions since 2015. However, emissions grew by 13% annually between 2019-2022, exceeding the Asia-Pacific average.

CO₂ Emissions:

- In 2023, the Kyrgyz Republic's transport sector emitted 1.7 million tonnes of CO₂, accounting for 16% of the country's total emissions. While the sector experienced an 8% annual growth in CO₂ emissions before the Paris Agreement and SDGs, it has since seen a -5% annual decrease. Notably, the road sector dominated transport emissions in 2022, contributing 100%, and accounting for 11% of total economy-wide emissions. Compared to the Asia-Pacific region, the Kyrgyz Republic's transport sector CO₂ emissions intensity with GDP was slightly higher in 2023 at 34.0 gCO₂ per USD, while the regional average was 32.0 gCO₂ per USD.

Energy Consumption:

- Transport energy consumption has decreased since 2010, but the energy intensity remains higher than regional and peer averages. The road sector relies entirely on oil products without biofuel or electricity use. The grid emission factor has improved but is still considerably higher than regional averages.

Adaptation and Resilience:

- Kyrgyz Republic is projected to experience an average annual loss of 2.44 million USD due to climate-related hazards impacting its transport infrastructure, constituting 0.01% of its GDP. This loss primarily affects roads (85%), followed by rail (13%) and airports (2%). The Central and West Asia subregion, of which Kyrgyz Republic is a part, is expected to face much larger average annual losses of 3,021 million USD, also representing 0.01% of the subregion's GDP. Kyrgyz Republic's road network is relatively less vulnerable compared to other countries, ranking 164th out of 208 in terms of national road vulnerability.

Vehicle Fleet:

- Vehicle ownership is low compared to regional averages. By 2022, the average number of vehicles per thousand population in the Asia-Pacific region was 577. However, the Central and West Asia subregion had a significantly lower average of 128 vehicles per thousand population during the same period. Kyrgyz Republic has demonstrated a commitment to electric vehicle (EV) adoption, importing 707.1 million USD worth of electric vehicles between 2017 and 2023, with 99% of them being electric light-duty vehicles (LDVs). This has led to a significant increase in the share of electric vehicle imports, from 1.0% in 2017 to 21.1% in 2023, surpassing the Central and West Asia subregion's average of 13.1% in 2023. The country's E-mobility Readiness Index score of 64/100 in 2024 further reflects its preparedness for the transition to electric mobility, mainly due to reasonable access to clean energy and a supportive policy environment. However, there is still room for improvement in access to technology and financial instruments.

Urban Transport:

- Public urban transport systems have limited availability, with survey results indicating challenges in public transport access across cities.

Investments:

- Official development assistance in the transport sector decreased between 2010-2015 and 2016-2022. Most investments focus on roads.

Policy Landscape and NDC Gap:

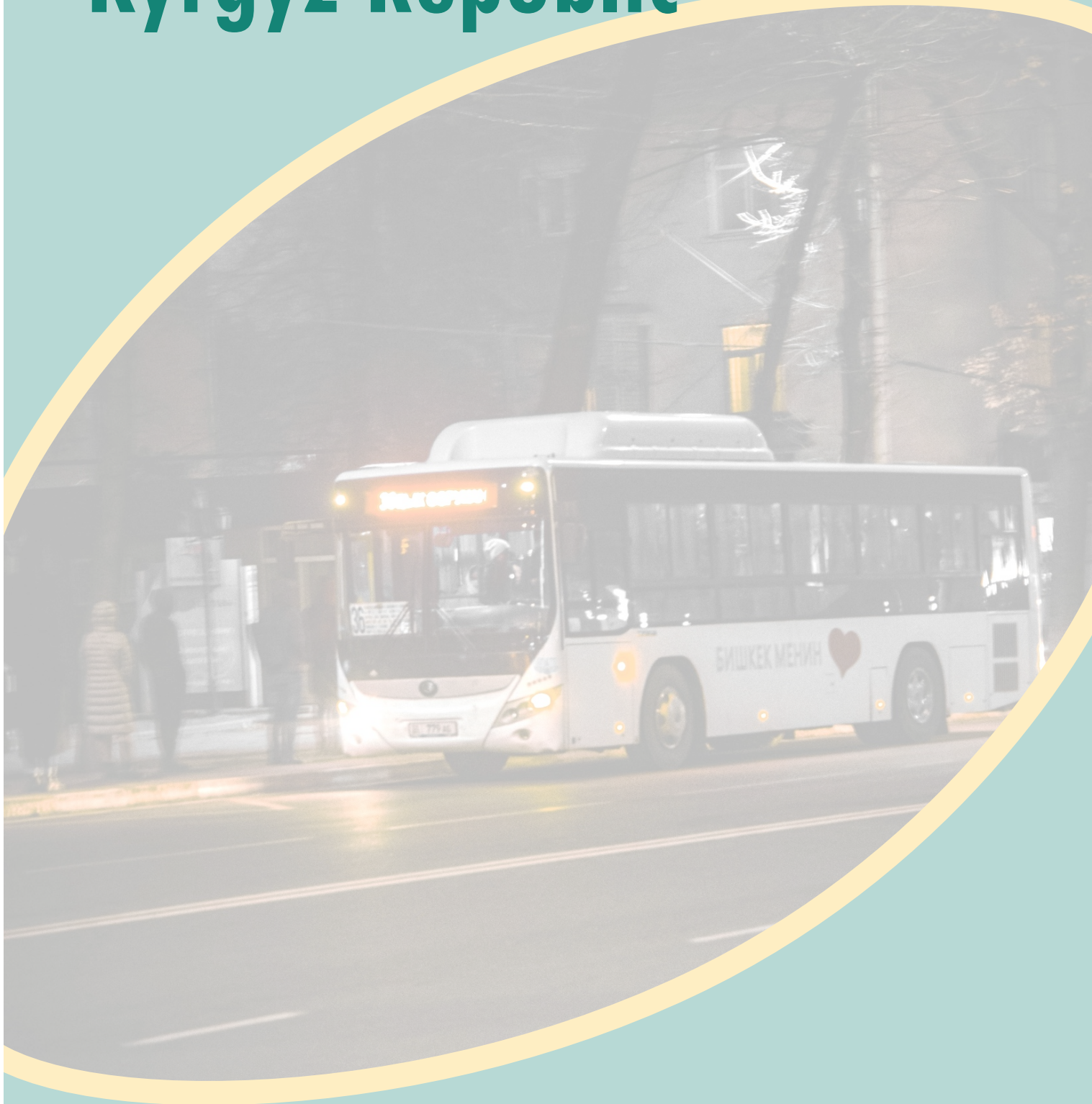
- In Kyrgyz Republic, 23 documents related to transport have been identified, with 2 specifically addressing climate change. Additionally, 20 non-climate documents contain measures with climate change mitigation or adaptation components. The latest Nationally Determined Contribution (NDC), adopted in 2021, sets economy-wide emissions targets, aiming to limit per capita greenhouse gas (GHG) emissions to a maximum of 1.23 t/CO₂ or 1.58 t/CO₂ in 2050. It also outlines an unconditional reduction of GHG emissions by 16.63% by 2025 and 15.97% by 2030, with conditional reductions of 36.61% by 2025 and 43.62% by 2030, pending international support. However, the NDC lacks specific targets for net zero emissions, carbon neutrality, or transport-related emissions. Moreover, the Kyrgyz Republic currently does not have a Long-Term Strategy (LTS), meaning there are no targets related to economy-wide, net-zero, or transport-related emissions within that framework.
- Kyrgyz Republic's transport policy landscape reveals a misalignment between its broader policy goals and climate change commitments outlined in the Nationally Determined Contribution (NDC) and the lack of a Long-Term Strategy (LTS). While various policy documents address transport-related issues, including road safety and infrastructure expansion, only 3% of these measures are directly linked to the NDC. This indicates a significant gap in integrating climate change considerations into the broader transport policy framework. Furthermore, prioritizing climate change policies leans heavily towards mitigation (65%) rather than adaptation and resilience (25%). This imbalance leaves the transport sector vulnerable to the potential impacts of climate change, such as increased road damage due to extreme weather events.

Policy Opportunities:

- The NDC lacks specific transport emission reduction targets and does not include a net-zero or long-term emissions target. Policy opportunities include developing a comprehensive transport strategy aligned with NDC goals, promoting low-carbon transport modes (e.g., electric vehicles, public transport), and investing in infrastructure resilience. Increased focus on adaptation and resilience measures is also needed. Developing a comprehensive LTS that includes specific targets for reducing transport emissions and improving resilience would provide a clear roadmap for the sector's decarbonization and climate adaptation efforts.

Data Insights

Kyrgyz Republic



Kyrgyz Republic

Transport and Climate Profile

Population (2024)

6.8 million

Urban population

38%

Rural population

62%

Below 18 y.o.

41%

Above 60 y.o.

8%

Population density

35 persons per sqkm

(1) Subregion
Central and West Asia

Income class
Low and lower middle income

(1) Gross domestic product
(GDP PPP, 2023)
50.44 billion USD

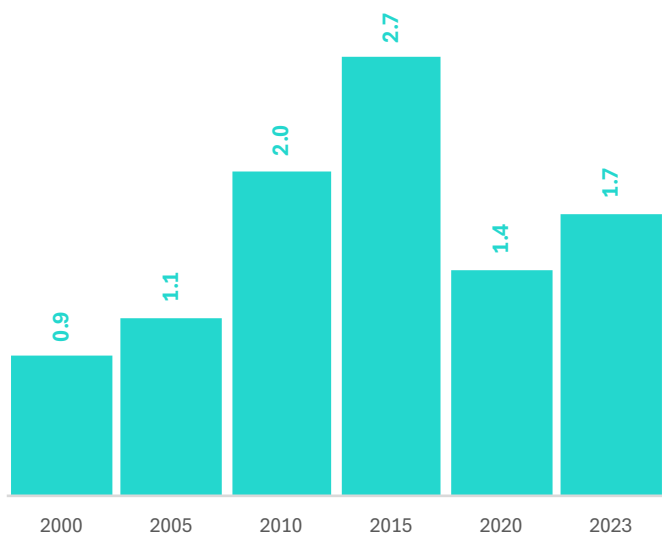
GDP per capita (PPP, 2023)
7,488 USD (1,2)
(2)

(1) Domestic consumption per capita, tonnes (2024)
7.4 tonnes (3)

(1,2) *Domestic consumption is the total amount of materials directly used in the economy (used domestic extraction plus imports), minus the materials that are exported.*

I. Transport and Climate Change

Transport fossil CO2 emissions, million tonnes



In 2010, transport contributed 30% of total fossil CO2 emissions. By 2023, transport contributed 16%.

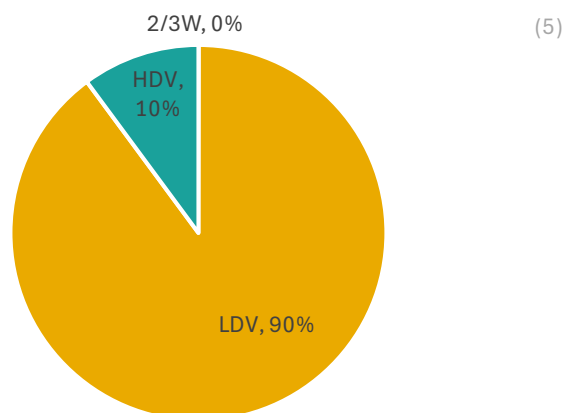
(4) Share of transport CO2 emissions by mode (2022)

Road	98.3%	Rail	1.5%	(4)
Navigation	0.0%	Aviation	0.2%	(4)

Navigation and aviation only includes domestic transportation

Between 2000-2015, road transport contributed 100% in transport fossil CO2 emissions. Between 2016-2022, road transport contributed 99%.

Road transport CO2 emissions (well-to-wheel), share by mode (2022)



Transport CO2 emissions intensity (2023)

34 gCO2 per USD

(2,4)

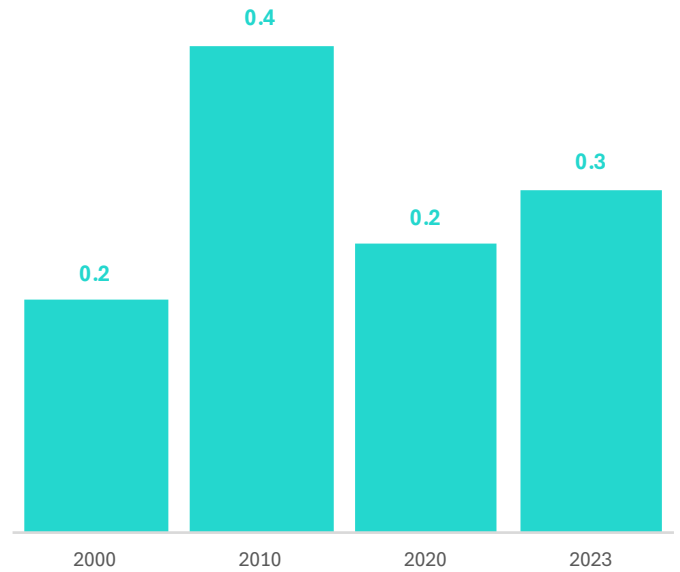
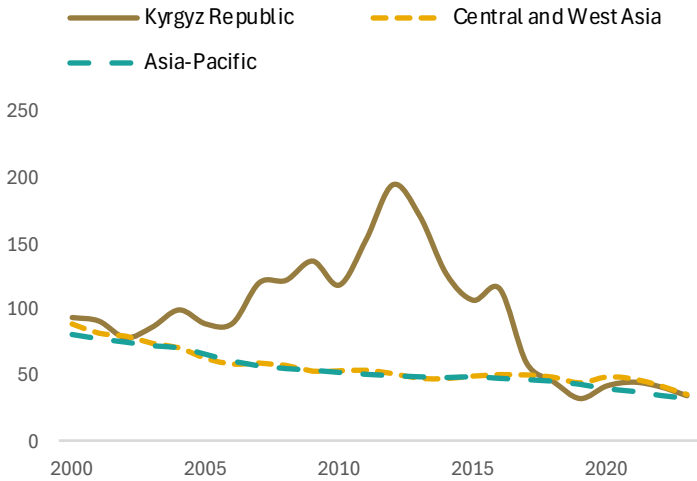
Asia-Pacific average is 32 gCO2 per USD

Transport fossil CO2 emissions per capita, tonnes

(1,4)

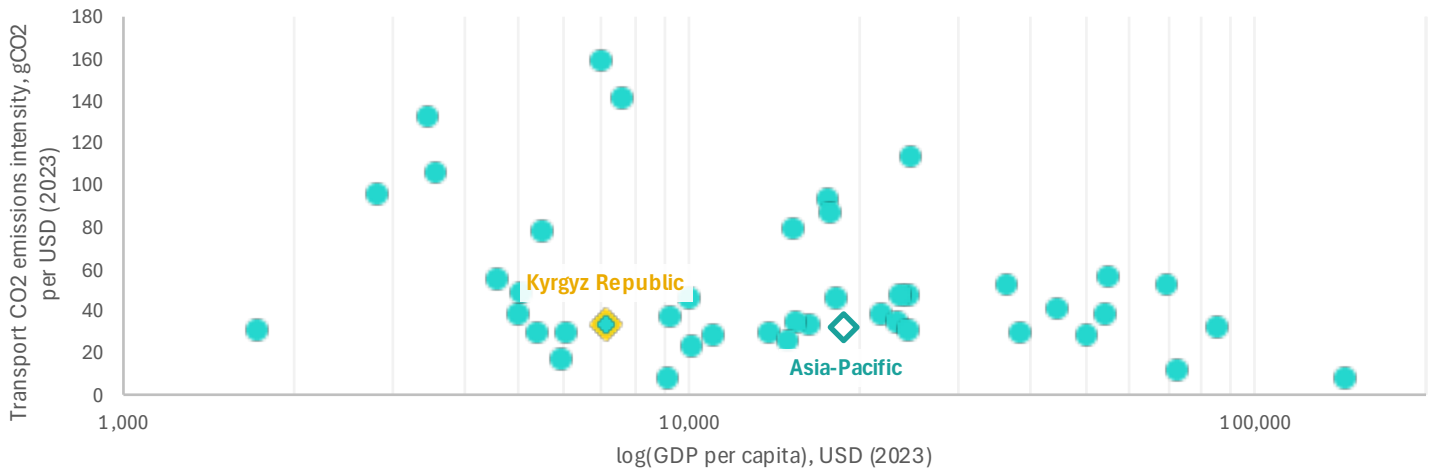
Transport CO2 emissions intensity trend, gCO2 per USD

(2,4)



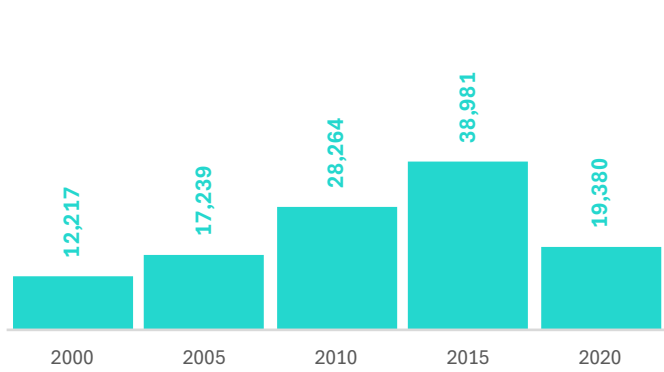
Transport CO2 emissions intensity in Asia-Pacific, gCO2 per USD

(2,4)



II. Transport Energy Consumption

Transport energy consumption, TJ

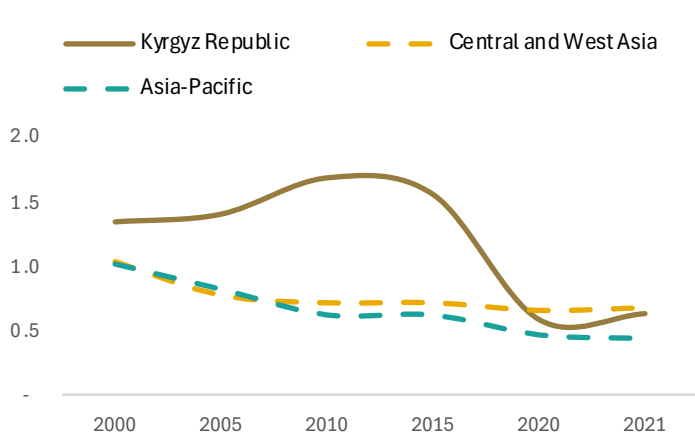


Transport energy intensity (2021)

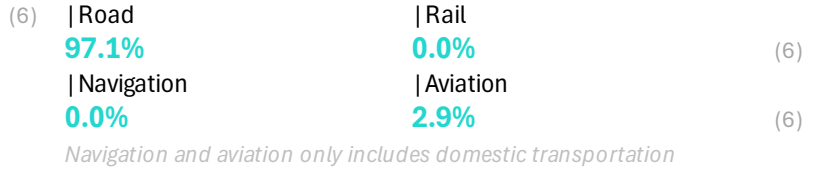
0.6 MJ per USD

Asia-Pacific average is 0.4 MJ per USD

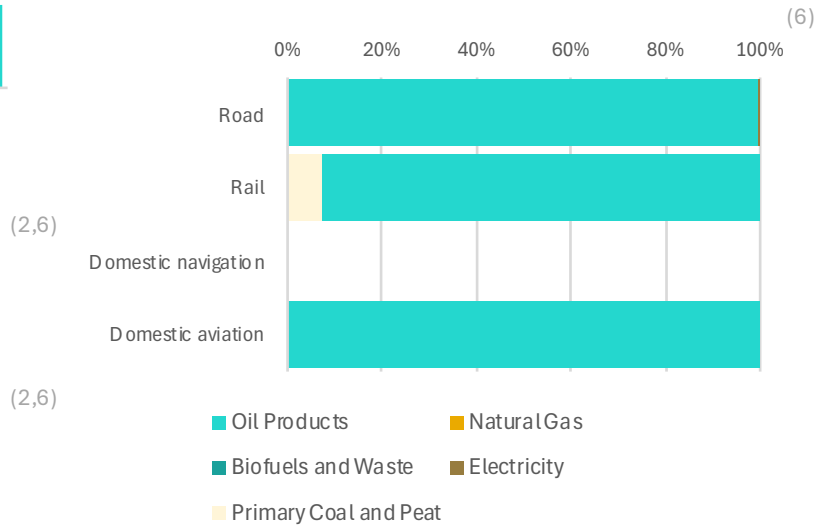
Transport energy intensity trend, MJ per USD



Share of transport energy consumption by mode (2021)



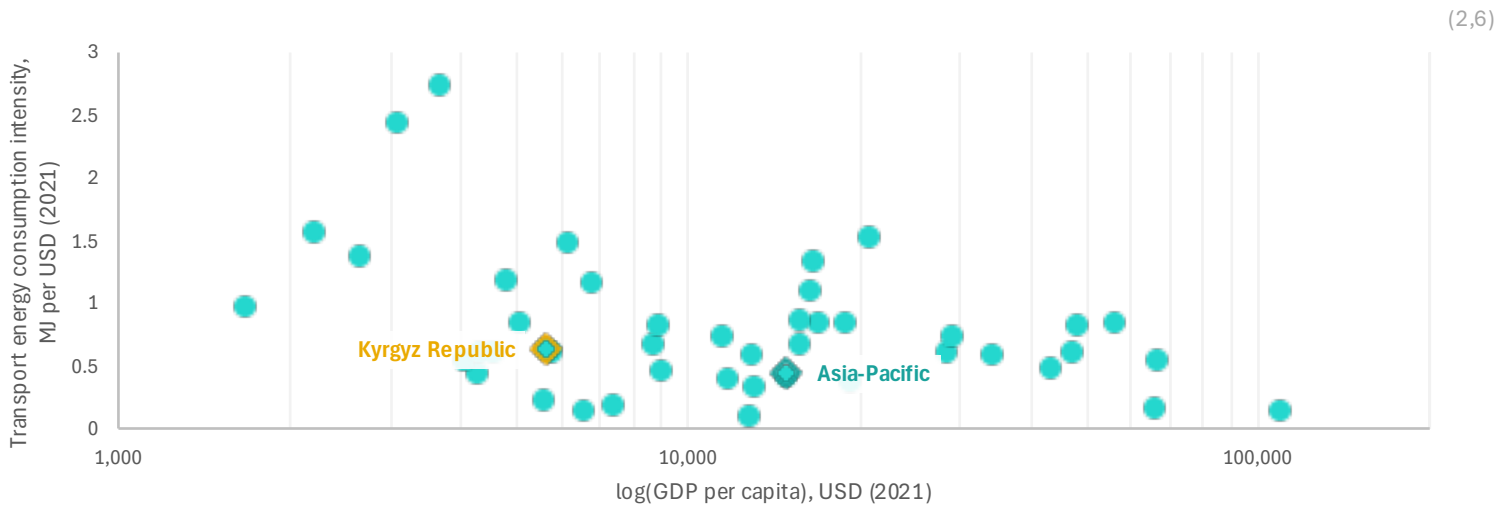
Share of transport energy consumption by source (2021)



Share of transport in renewable energy consumption



Transport energy intensity in Asia-Pacific, MJ per USD

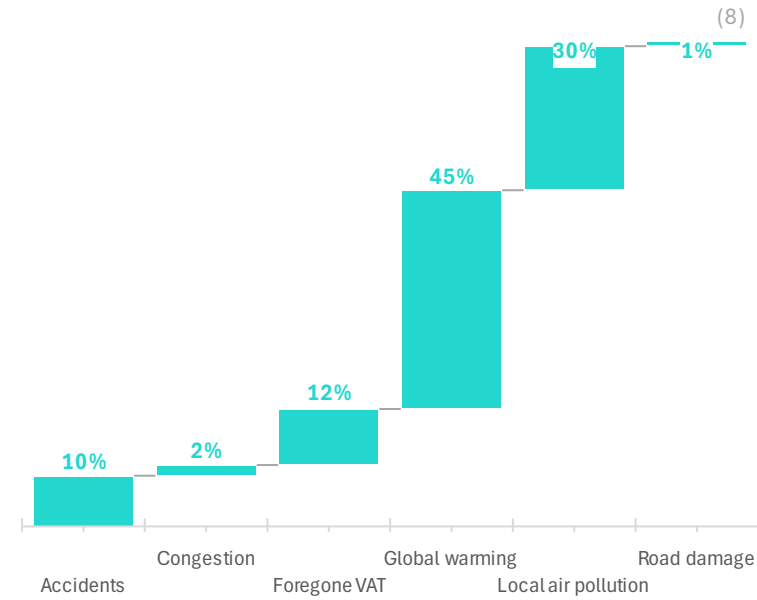


Transport fossil fuel subsidies, cumulative (2010-2022)

None

0.0% of Asia-Pacific total

Estimated externalities due to fossil fuel subsidies



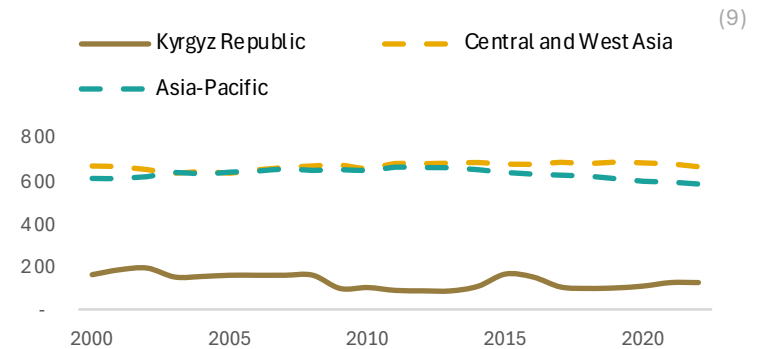
Data includes all sectors and all fuel types

Grid emission factor (2022)

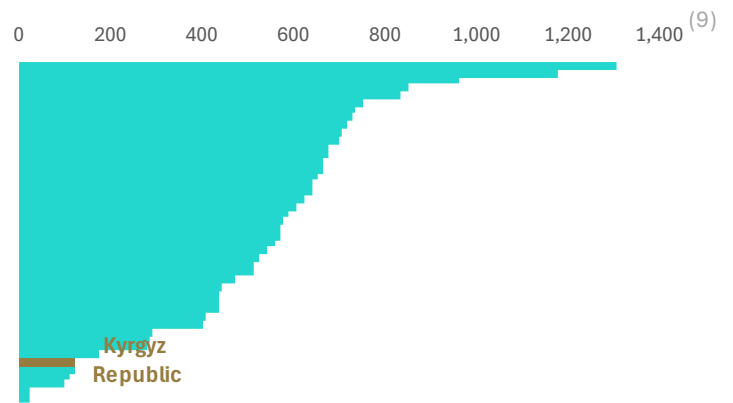
(7) **124 gCO2 per kWh**

(9)

Grid emission factor trend, gCO2 per kWh



Grid emission factors in Asia-Pacific, gCO2 per kWh



III. Adaptation and Resilience

Average annual losses to transport infrastructure due to hazards (2023)

2 million USD

Road	85%	Rail	13%
Ports	0%	Airports	2%

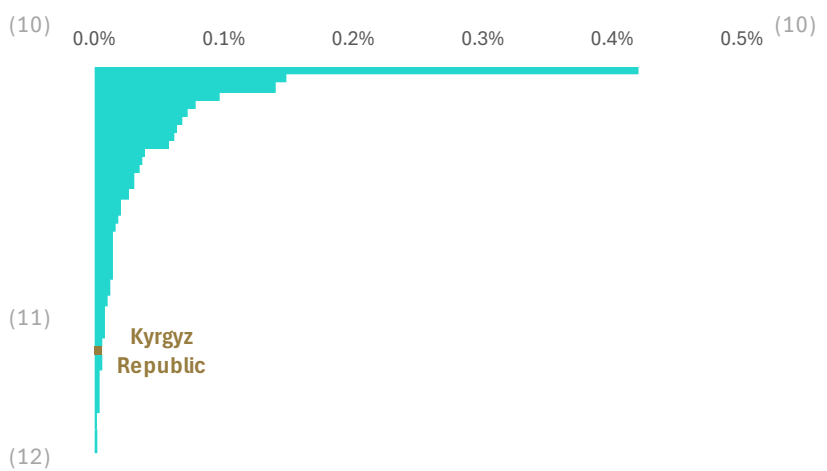
National road vulnerability index ranking (2023)

164th out of 208 countries

Share of population in low elevated coastal zones (2018)

n.d.

Average annual losses to transport infrastructure due to hazards, as a share of GDP, in Asia-Pacific (2023)

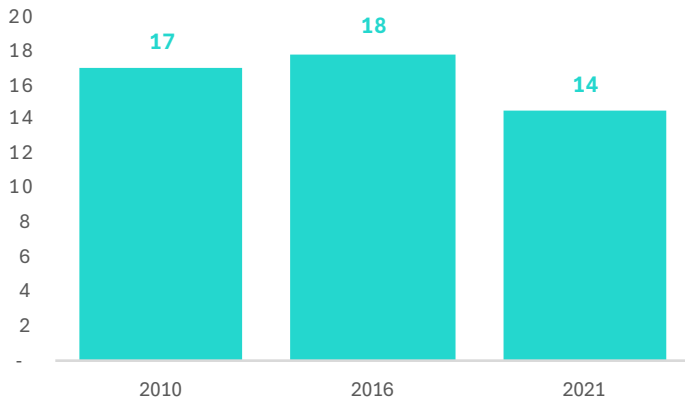


IV. Other Externalities

Road crash fatalities (2021)

869 deaths

Road crash fatality rate per 100 thousand population



Asia-Pacific average is 16 fatalities per 100 thousand population

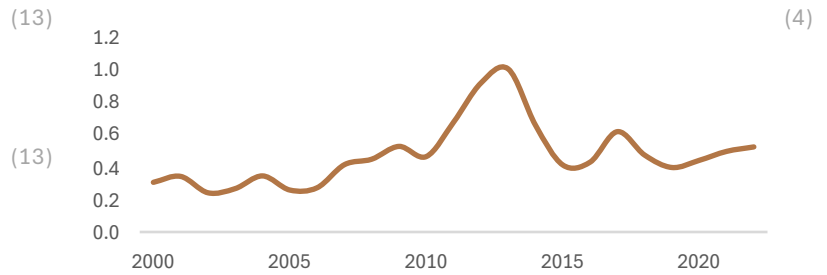
Rural access index (2023)

69%

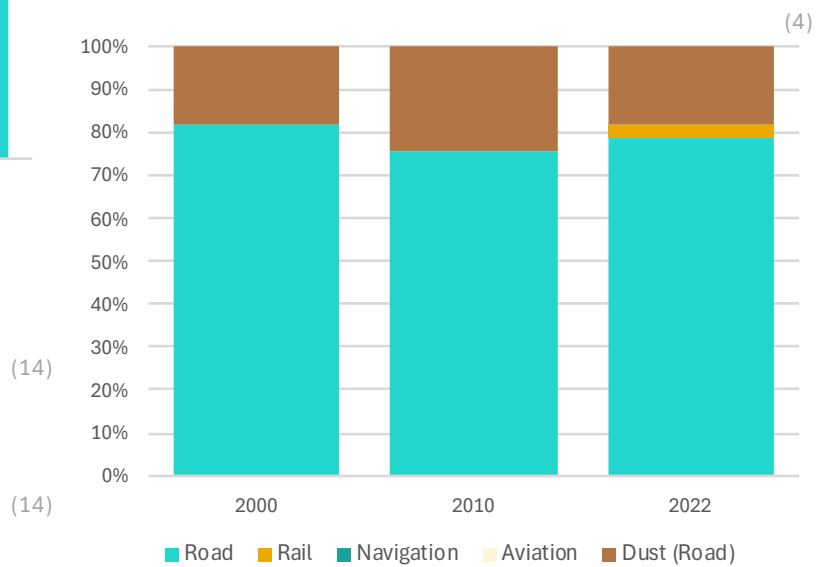
Rural population without access to all-season roads (2023)

1.3 million

Transport PM 2.5 emissions trend, thousand tonnes



Transport PM 2.5 emissions share by source



V. Vehicle Fleet

Road vehicles (2023)

n.d.

Share of vehicles by type

(15)

Road vehicle motorization rate (2023)

n.d.

(1,15)

Road vehicles include 2- and 3-wheelers, LDVs, buses and other informal public transport, trucks, and other unclassified types

Vehicle motorization per thousand population in Asia-Pacific (2000-2022)

Bus import value (2015-2023)

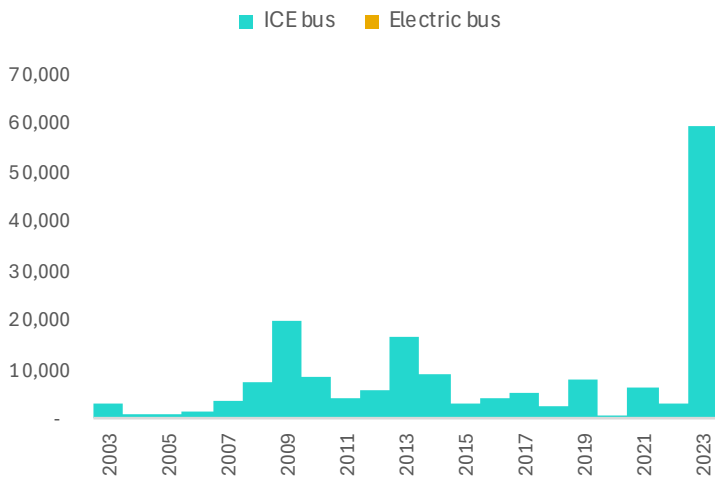
91 million USD

(16)

(17)

Bus import value, thousand USD

(16)



Bus vehicle production, units

(16)

(17)

E-mobility Readiness Index (2024)

| Technology & Market

10/25

| Energy

23/25

| Overall

64/100

| Policy

15/25

| Financial

16/25

(18)

Electric road vehicle import value (2017-2023)

707.1 million USD

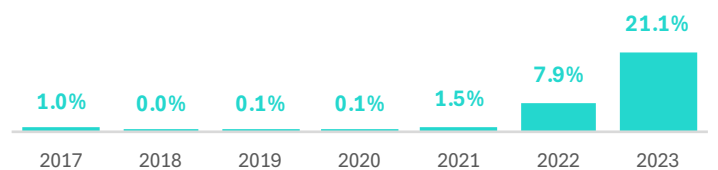
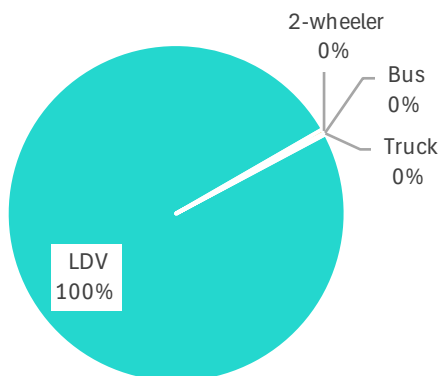
(16)

Electric road vehicle share in total road vehicle import value trend

(16)

Electric road vehicle import share by type (2017-2023)

(16)



VI. Urban Transport

Urban rapid transit length (2021)

BRT	LRT
None	None
Metro	
None	

(19)

(19)

Urban rapid transit ratio in Asia- Pacific, kilometers per million urban population (2021)

(1,19)

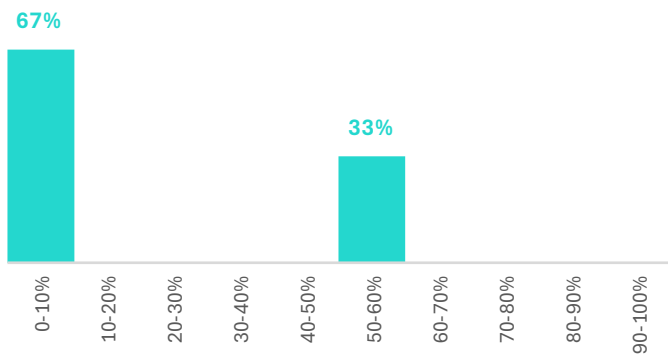
Urban rapid transit ratio (2021)

NA (1,19)

Urban rapid transit ratio, kilometers per million urban population (2000-2021)

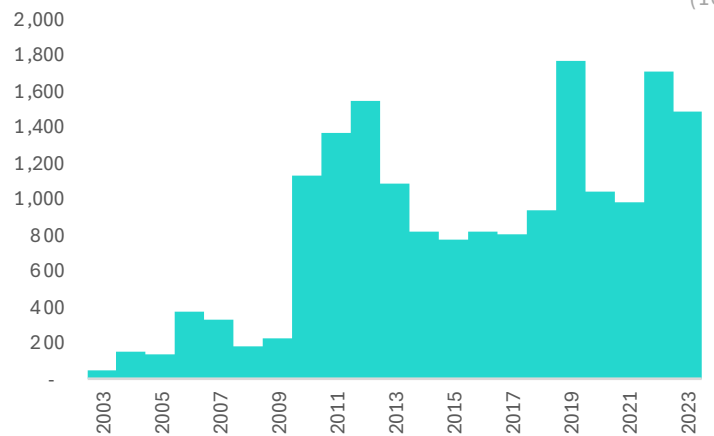
Share of cities by level of access to public transport (out of 3 cities)

(20)



Bicycle import value, thousand USD

(16)



VII. Transport Investments

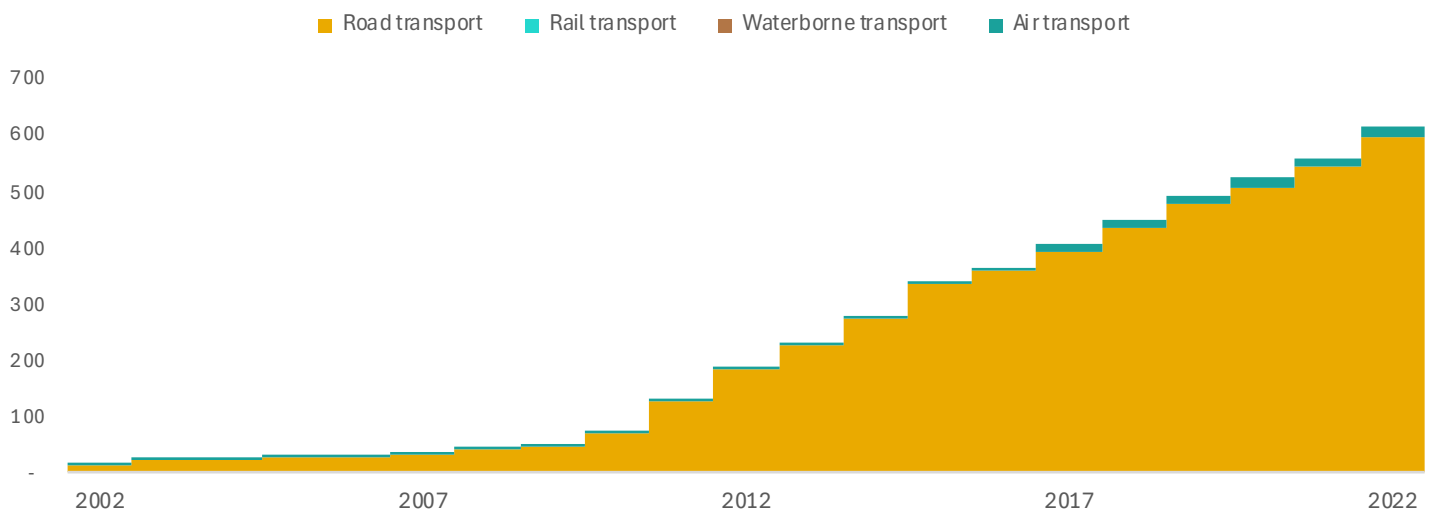
Public-private partnership investments in the transport sector, million USD

(21)

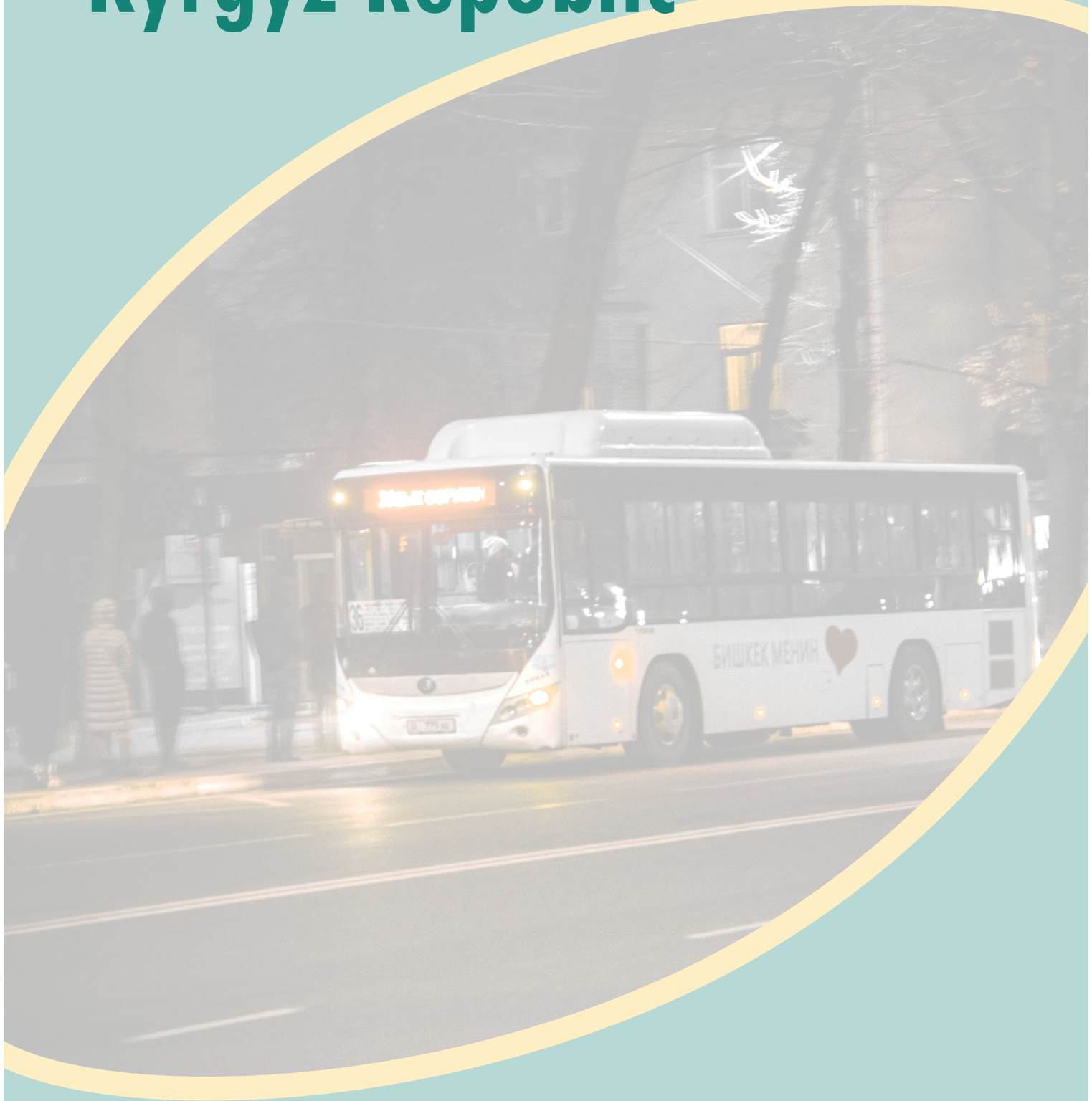
Y
A
M
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J
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S
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N
D

Official development assistance in the transport sector, million USD

(22)



Policy Insights Kyrgyz Republic



VIII. Transport and Climate Policy Documents

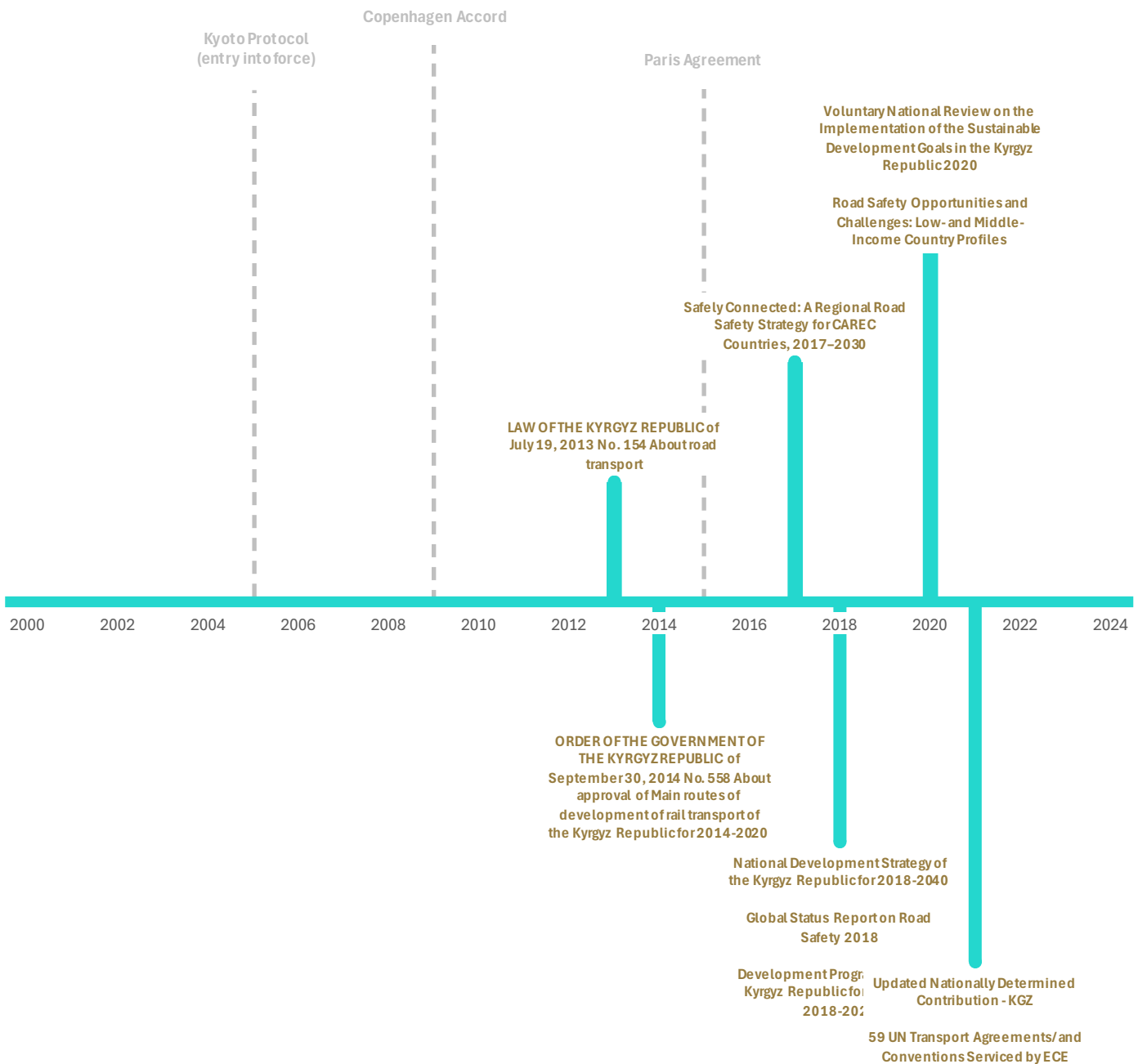
Transport-related policy documents in Kyrgyz Republic

Selection made based on the number of climate change mitigation and adaptation policy measures

Nationally Determined Contributions of Kyrgyz Republic

2020: 1st Nationally Determined Contributions - KGZ

2021: Updated Nationally Determined Contribution - KGZ



IX. Representation of Transport in Key Climate Policy Documents

Nationally Determined Contributions

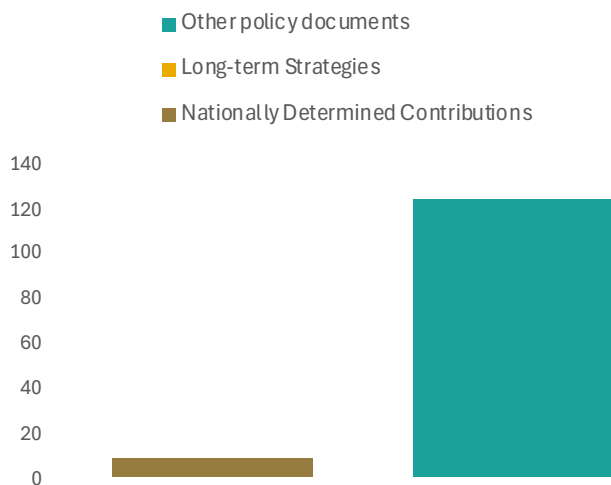
		Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
<i>Updated Nationally Determined Contribution - KGZ (adopted in 2021)</i>	Mitigation measures	Yes				Yes
	Mitigation targets					
	Adaptation measures					
	Adaptation targets					

Long-term Strategies

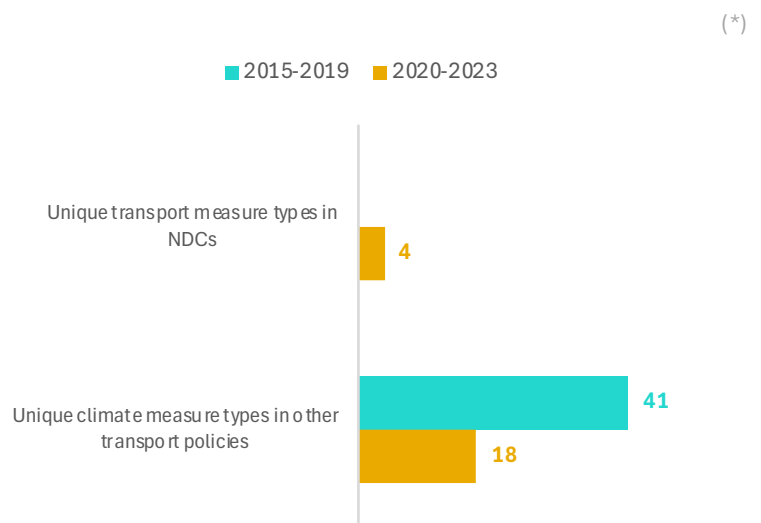
		Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
None	Mitigation measures					
	Mitigation targets					
	Adaptation measures					
	Adaptation targets					

X. Distribution of Transport and Climate Policy Measures in Policy Documents

Number of policy measures by source



Integration of climate ambition, unique number of policy measures in (*) NDCs and other transport policies

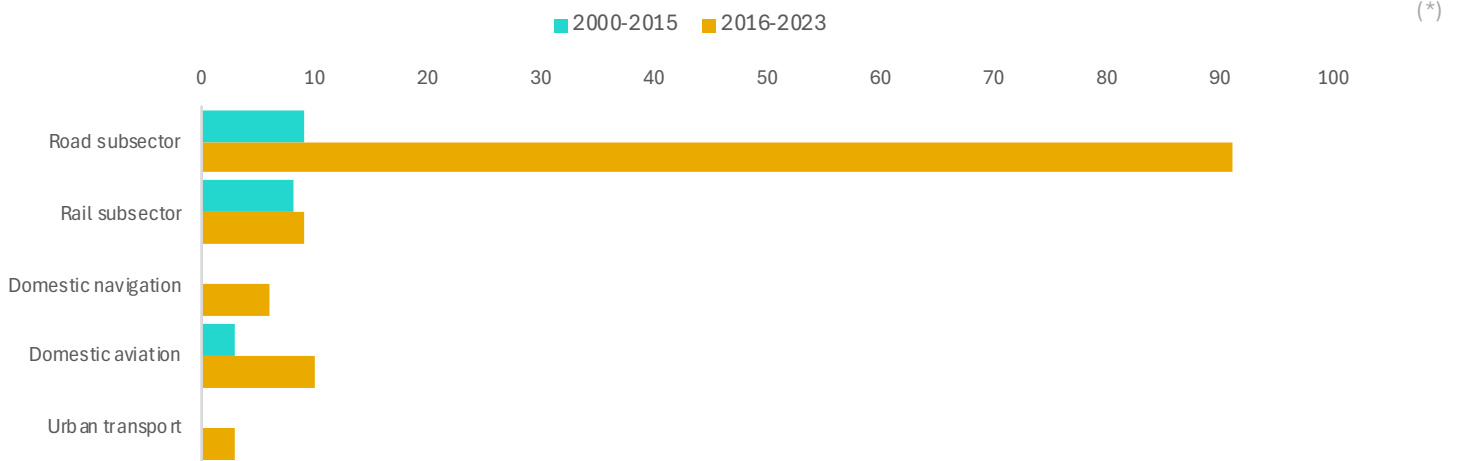


XI. National Policy Priorities on Transport

Priority policy measures on climate change mitigation and adaptation in transport (top 30)



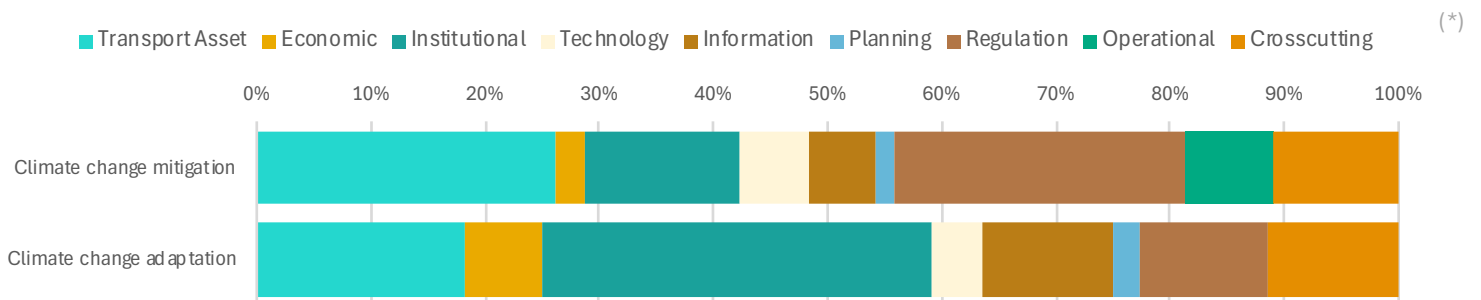
Number of climate change policy measures by subsectors



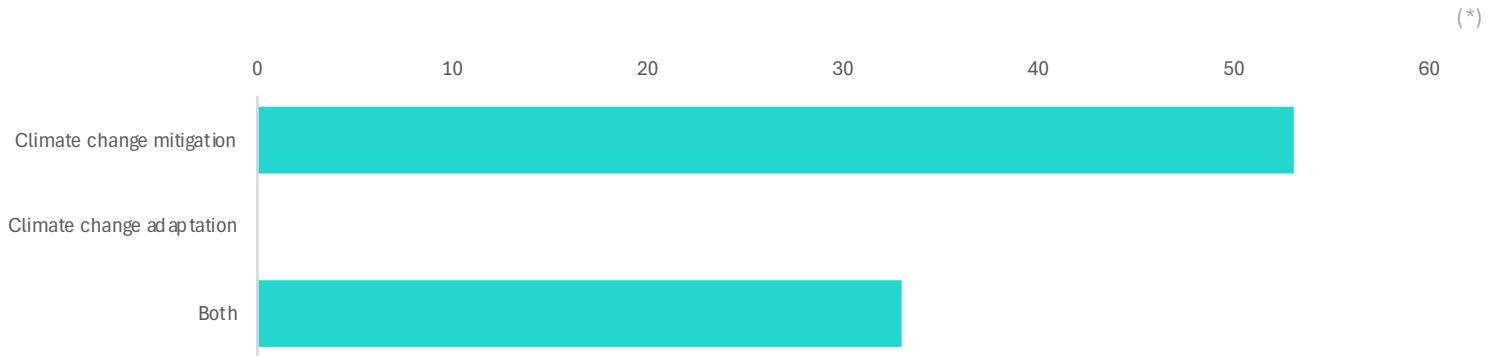
Number of climate change policy measures by passenger vs. freight



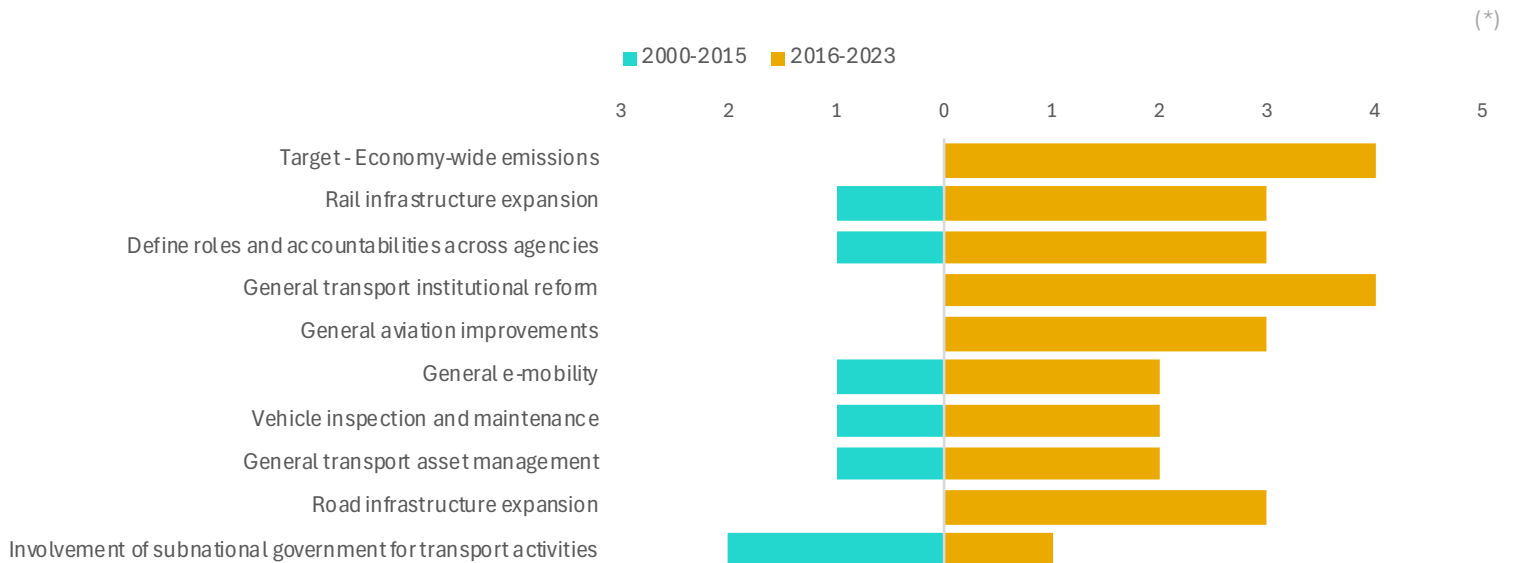
Transport-related climate change policy measures by framework



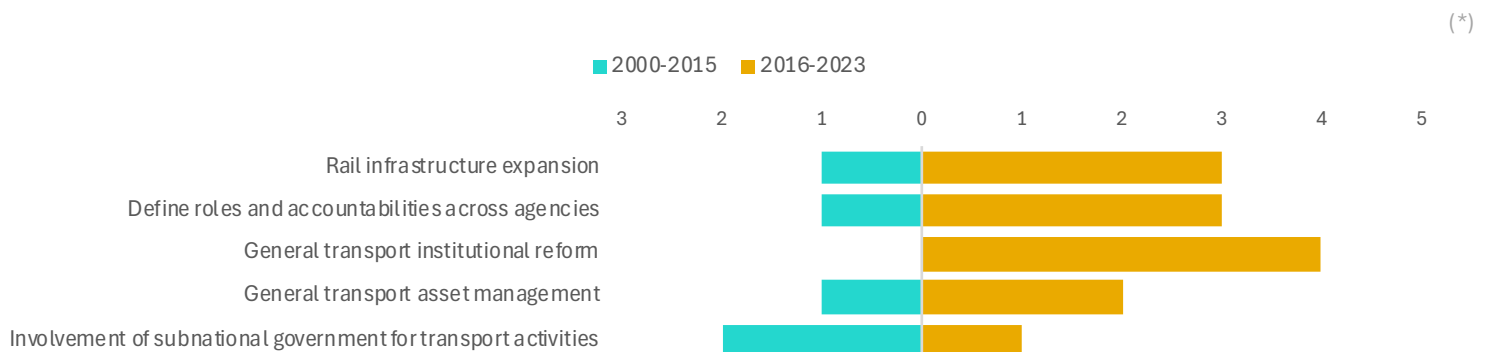
Number of climate change mitigation vs. climate change adaptation policy measures



Climate change mitigation top 10 typology, number of policy measures



Climate change adaptation top 5 typology, number of policy measures



XII. Direct GHG Targets

This table contains transport-relevant (e.g. economy-wide; sector-specific) GHG emissions targets as explicitly mentioned in the policy documents of Kyrgyz Republic

Document	Year published	Target	Target year
Economy-wide emissions			
1st Nationally Determined Contributions - KGZ	2020	Limiting the per capita GHG emissions to maximum of 1.23 t/CO ₂ , or 1.58 t/CO ₂ in 2050 to achieve the below 2°C objective, with a probability of 66% and 50% respectively.	2030
1st Nationally Determined Contributions - KGZ	2020	Limiting the per capita GHG emissions to maximum of 1.23 t/CO ₂ , or 1.58 t/CO ₂ in 2050 to achieve the below 2°C objective, with a probability of 66% and 50% respectively.	2050
Updated Nationally Determined Contribution - KGZ	2021	The overall mitigation goal of the Kyrgyz Republic is to unconditionally reduce GHG emissions by 16.63% by 2025 and by 15.97% by 2030, under the business-as-usual scenario. Should international support be provided, GHG emissions will be reduced by 2025 by 36.61% and by 2030 by 43.62%, under the business-as-usual scenario.	2025
Updated Nationally Determined Contribution - KGZ	2021	The overall mitigation goal of the Kyrgyz Republic is to unconditionally reduce GHG emissions by 16.63% by 2025 and by 15.97% by 2030, under the business-as-usual scenario. Should international support be provided, GHG emissions will be reduced by 2025 by 36.61% and by 2030 by 43.62%, under the business-as-usual scenario.	2030

Net zero, carbon neutrality, and other long-term climate action

Transport GHG emission

XIII. Indirect Transport Climate Change Targets

This table shows non-GHG targets as specified in the policy documents in Kyrgyz Republic which indirectly benefit climate change mitigation and adaptation in the transport sector

Document	Year published	Target	Target year
Target - Road crash fatalities			
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	the overall target of the CAREC road safety strategy would be to reduce the number of fatalities on CAREC road corridors by 50% in 2030 as compared with the 2010 base level	2030

XIV. Transport and Climate Policy Measures

This table lists the policy measures that relate to climate change mitigation and adaptation in the transport sector that had been identified in the transport policy documents of Kyrgyz Republic

Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Bus fleet renewal							
Updated Nationally Determined Contribution - KGZ	2021	Replacement of buses with diesel/gasoline fuel engines by buses with gas-powered engines in cities (WM) Expansion of the trolleybus fleet by replacing buses with internal combustion engines Replacement of buses with diesel/gasoline fuel engines by buses with gas-powered engines on suburban routes	x				x
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	investing in auto-fleet renewal and accessibility and service quality of public transport, including for persons with disabilities purchase of new buses	x				
General active mobility							
Updated Nationally Determined Contribution - KGZ	2021	Cycling Infrastructure Development (WM)	x				
General e-mobility							
Updated Nationally Determined Contribution - KGZ	2021	use of ecological transport Replacement of light vehicles with internal combustion engines for electric vehicles (WAM)	x				
National Energy Program for 2008-2010 and Fuel and Energy Complex Development Strategy until 2025	2008	introduction of new effective environmentally friendly technologies for transport	x				
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	ensuring a gradual transition to environmentally friendly transportation through the use of electric vehicles;	x				
Traffic management							
Updated Nationally Determined Contribution - KGZ	2021	Improving Traffic Management	x				
Automated enforcement of speed limits							
Global Status Report on Road Safety 2018	2018	Yes	x				
Convention on Road Traffic 1949							
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Ratification, accession, or definite signature by country	x				
Convention on Road Traffic 1968							
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Ratification, accession, or definite signature by country	x				

XIV. Transport and Climate Policy Measures

This table lists the policy measures that relate to climate change mitigation and adaptation in the transport sector that had been identified in the transport policy documents of Kyrgyz Republic

Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Customs Convention on Containers 1972							
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Ratification, accession, or definite signature by country					
Customs Convention on the International Transport of Goods under Cover of TIR Carnets (TIR Convention) 1975							
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Ratification, accession, or definite signature by country					
Define roles and accountabilities across agencies							

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of December 1, 2020 No. 585 About approval of the Charter of the state company "Kyrgyzaeronavigation" under the Ministry of Transport and Roads of the Kyrgyz Republic	2020	The main functions of the Company are: - servicing of air traffic; - provision of aeronautical information; - meteorological ensuring flights; - radio engineering ensuring flights; - establishment together with state bodies in the sphere of civil aviation of the Kyrgyz Republic and authorized state bodies of the Kyrgyz Republic of prohibitions and restrictions in airspace, procedure for production of flights or use of airspace of the Kyrgyz Republic, and also timely informing users of airspace on these prohibitions and restrictions; - rendering assistance to authorized state bodies in the sphere of defense in prevention of violations of established procedure of production of flights; - interaction with military and relevant organs of the Kyrgyz Republic concerning servicing of air traffic and use of airspace of the Kyrgyz Republic; - participation in accomplishment of actions for civil protection; - the notification of the relevant organizations on the aircrafts needing the help of search and rescue services and rendering necessary assistance to such organizations; - participation in investigation of aviation incidents and incidents, violations of procedure for use of airspace with authorized bodies of servicing of air traffic of the adjacent states; - development of suggestions for improvement of structure of airspace within the established borders and the organization of interaction in this area with military and authorized bodies of servicing of air traffic of the adjacent states; - entering into the Ministry of offers on project development of regulatory legal acts in the field of servicing of air traffic and other areas carried to competence of the Company; - accounting of procedure for use of airspace, and also refusals of means of servicing of air traffic, navigation, landing and communication; - the analysis of security status of air traffic and violations of procedure for use of airspace, development and the organization of accomplishment of actions for safety of air traffic, and also information transfer about such violations in state bodies in the field of civil aviation of the Kyrgyz Republic; - ensuring due and continued operation of system of aeronautical servicing of air traffic within safety of flights of the Kyrgyz Republic; - operation of the radio engineering, radar, radio navigational, meteorological equipment, telecommunication and other equipment used for technical supply of functional activities of the Company; - planning and the organization of testing, testing and other types of checks of means of radio engineering ensuring flights and the meteorological equipment which is in the airports and in the territory of the Kyrgyz Republic; - planning and organization of flight of routes of the servicing of air traffic (SAT), and also flight checks of means of radio engineering ensuring flights; - ensuring reliability, safety of operation of the objects and the equipment which are under authority of the Company according to Aviation rules and other regulations of the Kyrgyz Republic; - designing, construction, repair, reconstruction, restoration and operation of the objects, buildings and constructions providing the purposes of the Company; - organization of material logistics of objects, buildings, constructions and processing equipment; - accomplishment of functions on ensuring departmental communication according to functions of the Company; - methodical management and provision of climatological information to the bodies of servicing of air traffic and weather services of civil airfields and other organizations which are not subordinated division of the Company on				x	

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of January 15, 2010 No. 10 About the Agency of civil aviation under the Ministry of Transport and Roads of the Kyrgyz Republic	2010	The main objectives of the Agency are: 2.1. Implementation of state regulation of activities in the field of civil aviation for the purpose of safety of flights of aircrafts, aviation safety and quality of works and services. 2.2. Requirements satisfaction of economy and the population in airborne transportations of passengers, baggage, freights and other types of service in the field of civil aviation. 2.3. Creating favorable conditions for safe, regular and effective airborne transportations and aviation special works, market developments of services of civil aviation, and also requirements satisfaction of users of air transport and aviation special works. 2.4. Development of the competition in civil aviation and protection of interests of users of the services provided by subjects of civil aviation. 2.5. Implementation in civil aviation of the Kyrgyz Republic of Standards and Recommended practice of International Civil Aviation Organization (further - ICAO). 2.6. Ensuring accomplishment of the obligations following from international treaties of the Kyrgyz Republic concerning air traffics of civil aviation. 2.7. According to the decision of the President of the Kyrgyz Republic - ensuring use of civil aviation in emergency situations, and also implementation of special programs of defensive nature. 2.8. Organization of search and rescue works. 2.9. Realization of economic, scientific and technical and innovative policy in the field of civil aviation.				x	
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of June 23, 2017 No. 402 About approval of the Charter of the state company "Issyk Kul Shipping Company" under the Ministry of Transport and Roads of the Kyrgyz Republic"	2017	Functions of the company: - the organization and development of the services rendered by water mode of transport; - the organization of interaction of water, automobile and railway modes of transport during the carrying out handling works and delivery of different types of freight; - organization of works on repair of courts, barges and berthing facilities; - the organization of tourist and walking services in the period of resort season; - investment attraction for the solution of functional tasks.			x		

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
RESOLUTION OF THE CABINET OF MINISTERS OF THE KYRGYZ REPUBLIC of July 1, 2021 No. 55 About the Ministry of Transport and Communications of the Kyrgyz Republic	2021	The ministry performs the following functions: 1) functions of industry policy: - develops and makes in accordance with the established procedure offers on forming of single state policy and enables its realization; - develops and introduces in accordance with the established procedure drafts of industry programs, strategic documents, scientific and technical and other development programs in spheres of road and transport complex and provides their accomplishment; - develops projects of regulatory legal acts and in accordance with the established procedure submits them for consideration of the Cabinet of Ministers of the Kyrgyz Republic; - within competence develops drafts of international treaties and according to the assigned powers in accordance with the established procedure signs and provides their realization; - within the competence represents and protects state interests of the Kyrgyz Republic in the relations with foreign states and the international organizations; - holds events for legal promotion in the supervised industry; - participates in accordance with the established procedure in incorporating and privatization of the objects which are in state-owned property; - develops interdepartmental, financial and other development plans; - develops together with the relevant state bodies mobilization plans of preparation for actions for civil protection within the competence, and also provides mobilization preparation, control and coordination of these activities in subordinated divisions and their territorial subdivisions; - within the competence makes suggestions for improvement of technical regulations; - within competence of the Ministry participates in development and provides execution of technical regulations, rules and other specifications and technical documentation, including regional and international standards; - creates the information database on the main activities; - will organize project, prospecting, research and design efforts within competence of the Ministry; - carries out work on preparation of analytical information and offers on development of the supervised spheres; - performs monitoring of execution of requirements of the legislation for the questions carried to competence of the Ministry; - develops offers on implementation and development of public-private partnership in the supervised industry; - in accordance with the established procedure creates the need for financing of works on designing, construction, repair and content of highways public and artificial features, exercises control of its target and effective use; - takes measures for ensuring safety, track capacity increase, diagnostics and assessment of transport and operational condition and certification of highways public; - takes measures for arrangement of highways public objects of service according to designing regulations, construction plans and general schemes of placement of the specified objects, the organizations of their work; - participates in forming of investing programs of development of road industry on medium-term and short-term perspectives, with determination of priority development trends of industry, and also performs monitoring of their accomplishment; - will organize works on repair and content of highways public and paid highways (sites) according to the legislation of the Kyrgyz Republic; - in accordance with the established procedure carries out work on ensuring free use, seizure of land, including by the redemption, and fixing of the parcels of land, and also reservation of lands or the parcels of land for the state	x	x	x	x	

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Design standards for sidewalks and bicycle paths							
Global Status Report on Road Safety 2018	2018	Partial	x				
Development of aviation plan/policy							
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	revision of the national program for civil aviation development.				x	
Development of rail plan/ policy							
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	preparation, implementation of the investment projects and programs of the railway sector aimed at the development of rail transport of the republic and integration into the international railway net.		x			
Employment in transport, communication, and storage							
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	creation of high added value jobs and green industries in transport, logistics, infrastructure a	x	x	x	x	
Fuel quality							
International Energy Charter	2015	encouraging the clean and efficient use of fossil fuels	x				
General aviation improvements							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	modernization and renovation of the airports. number of international and domestic flights, including those for small aircraft, will increase substantially, and the role of international transit will increase introduce the fifth degree of "freedom of air" and ensure the exit of Kyrgyz airlines from the "black list"				x	
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	introducing the fifth degree of "freedom of airspace" modernize the infrastructure of Manas and Osh airports. to implement modernization and bring the airport and air navigation infrastructure and its services in compliance with the international requirements.				x	
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	developing aviation infrastructure through the reconstruction and modernization of airports and aircraft, in particular by attracting investment into a new international Osh airport as well as in small aircraft development; - creating an internationally competitive national air carrier; - modernizing the air traffic services system and airspace of the Kyrgyz Republic;				x	

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
General capacity building							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Provide training for those responsible for management and coordination. Provide training for those responsible for the management of data systems. Provide training to highway engineers to support implementation of revised design standards for CAREC highways at the national level in each member country. Ensure that the skills of those maintaining and testing vehicles are at a level that maximizes the safety of vehicles on roads in CAREC countries.	x				
General data repositories and data collection							
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	Upgrade of the existing automated control systems for data: - creation of the centralized database on the basis of modern relational management systems; - broad use of "the client-the server" technology; - creation of long-term archives on train, car and container models; - creation of the automated system realizing use of electronic way bills, the current technologies of customer service on goods transportation, forming of the financial, statistical reporting; - creation of automated control system for financial flows, personnel resources, material resources		x			
General freight and logistics improvements							
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	achieve reduction in the number of procedures, time and material costs for export-import operations infrastructure will be constantly improved including cargo passage points, highways, information and maintenance service	x				
General infrastructure improvements							
International Energy Charter	2015	promoting the realisation of infrastructure projects important for providing global and regional energy security modernisation, renewal and rationalisation by industry of services and installations for the production, conversion, transport, distribution and use of energy promoting the developemnt and interconnection of energy transport infrastructure and the regional integration of energy markets facilitating access to transport infrastructure, for the international trnaist purposes in line with the objectives of this Charter coordination and where appropriate, harmonisation of safety principles and guidelines for energy products and their transport as well as for energy installations, at high level					
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Establish an effective system for blackspot identification for the CAREC road network with a system of value for money assessment built in.	x				
General international conventions							

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Establish a biennial CAREC Road Safety Conference that helps to build communications, co-operation and confidence amongst member countries towards tackling road safety issues with a regional focus.	x				
General public transport							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	public transport system will be transformed	x				
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	increasing regular passenger services to settled parts of the country to 92-95% investing in auto-fleet renewal and accessibility and service quality of public transport, including for persons with disabilities renovation of station structures	x				
General rail improvement							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	creation of a unified railway network		x			
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	forming of effective utility power system, alarm system and communication of rail transport enhancement of the regulatory legal base regulating procedures of the organization and control of transport safety and safety control of transport processes on the railroad increase in personnel and scientific potential of rail transport		x			
General transport asset management							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	quality of road infrastructure in the key cities will be improved	x				x
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	In accordance with international standards rehabilitation and construction will take place of the individual sections of transnational motorways Torugart - Naryn – Bishkek, Irkeshtam - Osh - Batken – Isfana, Suusamyр - Talas – Taraz, Tyup-Kegen, Aral-Suusamyр (connecting Bishkek-Osh and North- South roads), Jalal-Abad - Madaniyat, Bishkek - Kara - Balta (sections of Bishkek - Osh highway).	x				
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	upgrade of infrastructure of traveling facilities upgrade and replenishment of railway vehicles, repair depot of railway vehicles		x			
General transport finance							

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ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	improvement of financial condition of GP "KTZh Oil Company and taking measures to the solution of question of unprofitability of rail passenger traffic Sources of financing of realization of Main routes both own enterprise assets of GP "as KTZh Oil Company, and funds raised on grant and credit basis within cooperation with the international financial institutions, and also private investments act.		x			
General transport institutional reform							
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of December 1, 2020 No. 585 About approval of the Charter of the state company "Kyrgyzaeronavigation" under the Ministry of Transport and Roads of the Kyrgyz Republic	2020	The state company "Kyrgyzaeronavigation" under the Ministry of Transport and Roads of the Kyrgyz Republic (further - the Company) is the body of servicing of air traffic in the Kyrgyz Republic performing functions of the state in the organization of use of airspace of the Kyrgyz Republic. The company is the independent legal entity created in form of business of the state company founded on the right of economic maintaining by state-owned property.				x	
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of December 2, 2016 No. 643 About optimization of activities of the Ministry of Transport and Roads of the Kyrgyz Republic	2016	Reorganize by merge the State agency of road and water transport and Department of weight and dimensional control under the Ministry of Transport and Roads of the Kyrgyz Republic and to create the Agency of road, water transport and weight and dimensional control under the Ministry of Transport and Roads of the Kyrgyz Republic.	x				
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of June 23, 2017 No. 402 About approval of the Charter of the state company "Issyk Kul Shipping Company" under the Ministry of Transport and Roads of the Kyrgyz Republic"	2017	The state company "Issyk Kul Shipping Company" under the Ministry of Transport and Roads of the Kyrgyz Republic (further - the Company) is created for the purpose of the organization and ensuring transportation of goods and passengers with water transport, to rendering ship-repair and transport services.			x		
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Create a CAREC Road Safety Working Group to monitor progress at the regional level.	x				
Involvement of subnational government for transport activities							
LAW OF THE KYRGYZ REPUBLIC of July 19, 2013 No. 154 About road transport	2013	Rates for passenger traffic on road transport public are established by municipalities of domicile within tariff policy of motor transportation.	x				
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of January 15, 2010 No. 10 About the Agency of civil aviation under the Ministry of Transport and Roads of the Kyrgyz Republic	2010	Agency interacts with state bodies, local government bodies concerning functioning, construction, repair, reconstruction and content of the objects of civil aviation entering competence of the Agency				x	

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RESOLUTION OF THE CABINET OF MINISTERS OF THE KYRGYZ REPUBLIC of July 1, 2021 No. 55 About the Ministry of Transport and Communications of the Kyrgyz Republic	2021	Ministry interact with state bodies, local government bodies, and also to coordinate their activities in the supervised spheres within the competence;	x	x	x	x	
Logistics hub							
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	increasing the transit potential of the country to improve the access of the population to goods, services and markets of other countries through construction and renovation of international roads, as well as the creation of transport and logistics centers and road transport links;	x	x	x	x	
LPG/ CNG/ LNG							
DRAFT National Sustainable Energy Action Plan of the Kyrgyz Republic	2019	transfer the vehicles to the eco-friendly natural gas vehicle fuel	x				
National speed law							
Global Status Report on Road Safety 2018	2018	Yes	x				
Passenger and freight load limits							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Ensure that information on national load limit regulations is shared among CAREC countries.	x				
Rail infrastructure expansion							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	Under special control will be the promotion of the project for the construction of a section of the transnational railway in the territory of Kyrgyzstan		x			
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	agreements will be reached and construction of a section of the China-Kyrgyzstan-Uzbekistan railway will begin		x			
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	forming of network of the railroads and strengthening of transit capacity of the republic		x			
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	constructing the in-country portion of the China-Kyrgyzstan-Uzbekistan railway; building an internal railway network connecting the country's north and south		x			
Railway electrification							

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ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	project implementation "Electrification of rail line Meadow - Alamedin";		x			
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	electrifying the country's railways		x			
Reference to finance mechanisms within country							
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of October 19, 2007 No. 479 About some measures for development of domestic air transportation in the Kyrgyz Republic	2007	Recommend to open joint stock company "The international airport "Manas" levy from air carriers in case of accomplishment of internal flights only 10 percent from rates of charges for airport servicing, with the subsequent increase each six months for 10 percent before achievement of 50 percent. 2. To the state company "Kyrgyzaeronavigation" to levy from air carriers in case of accomplishment of internal flights only 10 percent from rates of charges for aeronautical servicing, with the subsequent increase each six months for 10 percent before achievement of 50 percent.				x	
Reporting, transparency, feedback mechanism							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Undertake regular monitoring of national road safety action plans and evaluate outcomes to provide feedback to improve road safety intervention development and delivery Review the effectiveness of the legislation framework for vehicle insurance requirements across CAREC countries	x				
Request for financial support to develop transport							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Seek funding from external sources to augment road safety national budgets.	x				
Road infrastructure expansion							
Development Programme of the Kyrgyz Republic for the period 2018-2022	2018	build and expand the internal network of highways and international transport corridors	x				
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	In accordance with international standards rehabilitation and construction will take place of the individual sections of transnational motorways Torugart - Naryn – Bishkek, Irkeshtam - Osh - Batken – Isfana, Suusamyr - Talas – Taraz, Tyup-Kegen, Aral-Suusamyr (connecting Bishkek-Osh and North- South roads), Jalal-Abad - Madaniyat, Bishkek - Kara - Balta (sections of Bishkek - Osh highway)	x				

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	increasing the transit potential of the country to improve the access of the population to goods, services and markets of other countries through construction and renovation of international roads, as well as the creation of transport and logistics centers and road transport links;	x				
Road-side checks on overloading							
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of May 21, 2015 No. 311 About approval of Rules of the organization of goods transportation by the vehicle in the Kyrgyz Republic	2015	Results of new check weighting or determination of dimensional weight of load are brought in commodity-transport delivery note. 51. The harm done to vehicles and loads because of overload of vehicles, the wrong inside package of loads (fight, breakdown, deformation, leak and so on), and also applications of container and the packaging which are not corresponding to properties of load and its weight is compensated by the consignor.	x				
Road-side vehicle technical checks							
LAW OF THE KYRGYZ REPUBLIC of July 19, 2013 No. 154 About road transport	2013	The state control of journey of vehicles at check points through customs border of the Eurasian Economic Union in the Kyrgyz Republic for the purpose of ensuring compliance with the legislation of the Kyrgyz Republic on road transport and about highways is performed by authorized state body in the field of customs affairs within the competence established by the Cabinet of Ministers of the Kyrgyz Republic.	x				
Routine transport asset maintenance							
National Development Strategy of the Kyrgyz Republic for 2018-2040	2018	annually repair at least 550 km of domestic roads, as well as erect and repair of at least 15 bridges.	x				
Speed limit on motorways <= 90 kph							
Global Status Report on Road Safety 2018	2018	110 km/h	x				
Speed limit on rural roads <= 70 kph							
Global Status Report on Road Safety 2018	2018	90 km/h	x				
Speed limits on urban roads <= 30 kph							
Global Status Report on Road Safety 2018	2018	60 km/h	x				x
Technical standards for general transport infrastructure							
LAW OF THE KYRGYZ REPUBLIC of July 8, 1998 No. 89 About transport	1998	Vehicles shall conform to the safety requirements, medical and sanitary regulations, regulations of labor protection and ecology established by the international and state standards and technical specifications and also to be registered in accordance with the established procedure.	x				

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Document	Year published	Measure	Road	Rail	Domestic Navigation	Domestic Aviation	Urban Transport
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Conduct a legislative review of vehicle standards across CAREC countries to ensure that these are at a level that promotes safety	x				
Technical standards for road infrastructure							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Review existing design standards for CAREC highways in the light of international good practice Develop and implement a system to improve design standards for CAREC highways to conform with internationally accepted standards of road safety engineering.	x				
Technology and knowledge transfer							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Provide opportunities for CAREC countries to share expertise and knowledge to ensure consistency of vehicle inspection and maintenance systems across CAREC countries	x				
Voluntary National Review on the Implementation of the Sustainable Development Goals in the Kyrgyz Republic 2020	2020	creating conditions for mobile passenger services from intercity and international carriers through the implementation of satellite monitoring and passenger management systems	x				
Training of enforcement authorities							
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Provide training for traffic police and engineers in crash investigation and hotspot identification.	x				
Transport law							
LAW OF THE KYRGYZ REPUBLIC of July 19, 2013 No. 154 About road transport	2013	1. The legislation of the Kyrgyz Republic on road transport is based on the Constitution and consists of this Law, other regulatory legal acts of the Kyrgyz Republic and come in the procedure established by the law into force of international treaties and agreements which participant is the Kyrgyz Republic. 2. If the international treaty which came in the procedure established by the law into force which participant is the Kyrgyz Republic establishes other rules, than provided by this Law rules of the international treaty are applied.	x				
ORDER OF THE GOVERNMENT OF THE KYRGYZ REPUBLIC of September 30, 2014 No. 558 About approval of Main routes of development of rail transport of the Kyrgyz Republic for 2014-2020	2014	Enhancement of the regulatory legal base regulating procedures of the organization and control of transport safety in system of the railroads		x			
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Strengthen legislative frameworks based on the findings of the review. Introduce modifications and amendments to the legislative framework in each CAREC country.	x				
Vehicle import inspections							

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Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Yes	x				
Vehicle inspection and maintenance							
LAW OF THE KYRGYZ REPUBLIC of July 19, 2013 No. 154 About road transport	2013	Govt. approves Rules of carrying out the state technical inspection of vehicles.	x				
Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Periodic inspection is in effect	x				
Safely Connected: A Regional Road Safety Strategy for CAREC Countries, 2017–2030	2017	Review legislative framework for vehicle inspection and maintenance systems in CAREC countries.	x				
Vehicle labelling							
DRAFT National Sustainable Energy Action Plan of the Kyrgyz Republic	2019	energy labeling schemes for energy-consuming appliances (including vehicles)	x				
Vehicle restrictions (import, age, access, sale, taxation)							
Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Import is regulated up to 10-year old vehicles	x				

References:

- 1) UN Population Database (2022), <https://population.un.org/wpp/>
- 2) World Bank (2022), <https://data.worldbank.org/>
- 3) Global Materials Flow Database (UNEP, 2023), <https://www.resourcepanel.org/global-material-flows-database>
- 4) Emissions Database for Global Atmospheric Research (EC, 2023), <https://edgar.jrc.ec.europa.eu/>
- 5) International Council on Clean Transportation (2023)
- 6) UN Energy Statistics (2021)
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