PROJECT «Enhancing environmental safety of road Intertraffic in the border areas of Russia and Finland applying innovation solutions (Green InterTraffic)»

Green Road Maps to improve the environmentally friendly traffic

(Vladislav Pavlov)

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Main directions for the implementation of Green Road Map

1. Increasing energy efficiency of vehicles using traditional fuel, and introduction of advanced transport technologies

2. Increasing the number of vehicles that use alternative fuels with lower emissions of greenhouse gas and other pollutants

3. Developing transport infrastructure and controlling mobility to reduce unsustainable travel distances, ensuring more efficient use of space and load capacity, and reducing pressure on the environment

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1. Increasing energy efficiency of vehicles using traditional fuel, and introduction of advanced transport technologies

##	Activity	Deadline	Responsible entities	Outcome expected
1.1	Defining requirements for energy efficiency of vehicles, and developing a vehicle environmental labeling system	2020-2022	Ministry of Industry and Trade of the Russian Federation	Promoting expanded manufacturing and use of sustainable vehicles. Reducing GHG and pollutant emissions through introduction of more sustainable vehicles.
1.2	Building an information system to inform consumers about environmental characteristics of vehicles and vehicle labeling and identification methods, and development of appropriate federal statistical observation forms	2020-2022	Ministry of Industry and Trade of the Russian Federation	Promoting expanded manufacturing and use of sustainable vehicles. Reducing GHG and pollutant emissions through introduction of more sustainable vehicles.
1.3	Expansion of manufacturing and use of sustainable vehicles through programs designed to promote purchase of new vehicles (including easy-term vehicle loan and leasing programs for new vehicles and scrappage programs for vehicles of low environmental class)	2020-2035	Ministry of Industry and Trade of the Russian Federation, regional executive authorities within the influence zone of the route	Fleet renewal in the influence zone of the road route Saint Petersburg – Helsinki, and increasing the fleet environmental class by promoting purchase and introduction of more sustainable vehicles; increasing traffic safety through the use of more sustainable modern vehicles. Reducing GHG and pollutant emissions through introduction of more sustainable vehicles.
1.4	Changing the transport tax calculation methodology to reflect energy efficiency, environmental performance and year of the vehicle	2020-2021	Ministry of Industry and Trade of the Russian Federation, regional executive authorities within the influence zone of the route	Fleet renewal in the influence zone of the road route Saint Petersburg – Helsinki, and increasing the fleet environmental class by promoting purchase and introduction of more sustainable vehicles; increasing traffic safety through the use of more sustainable modern vehicles. Reducing GHG and pollutant emissions by promoting more sustainable vehicles.

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1. Increasing energy efficiency of vehicles using traditional fuel, and introduction of advanced transport technologies

##	Activity	Deadline	Responsible entities	Outcome expected
1.5	Promotion of sustainable driving rules; development of programs and organizing sustainable driving courses on the national and regional levels.	2020-2035	GIBDD MVD of Russia regional executive authorities within the influence zone of the route	Increasing the level of road traffic safety in regions within the influence zone of the road route Saint Petersburg – Helsinki. Reducing GHG and pollutant emissions through optimization of the driving mode.
1.6	Establishing government monitoring of the quality of oil products in relation to international standards	2020-2035	Ministry of Energy of the Russian Federation	Improvement of the quality of oil products. Reduction of emissions by improving sustainability of traditional types of engine fuel.
1.7	Introduction of environmental audit systems in carrier companies and road sector organizations	2020-2024	Ministry of Transport of the Russian Federation, Ministry of Transport and Communications of Finland, and regional executive authorities within the influence zone of the route	Reduction of GHG and pollutant emissions within the influence zone of the road route Saint Petersburg – Helsinki by using more sustainable vehicles and equipment of transport companies and road sector organizations.
1.8	Use of voluntary environmental responsibility mechanisms by state organizations and companies with state participation	2020-2024	Ministry of Transport of the Russian Federation, Ministry of Transport and Communications of Finland, and regional executive authorities within the influence zone of the route	Reduction of GHG and pollutant emissions within the influence zone of the road route Saint Petersburg – Helsinki by using more sustainable vehicles and equipment of state organizations and companies with state participation.

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2. Increasing the number of vehicles that use alternative fuels with lower emissions of greenhouse gas and other pollutants

##	Activity	Deadline	Responsible entities	Outcome expected
2.1	Expanding the manufacturing and use of vehicles using alternative fuel as well as hybrid and electric vehicles through programs designed to promote purchase of new vehicles (including easy-term vehicle loan and lease programs for new vehicles using alternative fuel as well as hybrid and electrical vehicles)	2020-2035	Ministry of Industry and Trade of the Russian Federation, Ministry of Economy of Finland, Ministry of Environment and Climate Change of Finland, and regional executive authorities within the influence zone of the route	Fleet renewal in the influence zone of the road route *Saint Petersburg – Helsinki* by purchasing and introducing of vehicles that use alternative fuel as well as hybrid and electrical vehicles. Reduction of GHG and pollutant emissions by using vehicles that use alternative fuel as well as hybrid and electrical vehicles.
2.2	Motivating carrier companies operating on the road route *Saint Petersburg – Helsinki* to use vehicles (such as heavy trucks and buses) operating on alternative fuel (such as biofuel and natural gas).	2020-2035	Ministry of Industry and Trade of the Russian Federation, Ministry of Economy of Finland, Ministry of Environment and Climate Change of Finland, and regional executive authorities within the influence zone of the route	Reduction of GHG and pollutant emissions generated by vehicles on the route Saint *Petersburg – Helsinki* by expanding the use of vehicles operating on alternative fuel (such as biofuel and natural gas).
2.3	Development of infrastructure to provide alternative fuel and recharge electrical vehicles on the road route *Saint Petersburg – Helsinki;* development and implementation of regional programs for development of refueling/recharging infrastructure	2020-2024	Ministry of Energy of the Russian Federation, Rosavtodor, Ministry of Transport and Communications of Finland, regional executive authorities within the influence zone of the route, and regional operators of infrastructure for production and sale of alternative fuel/electricity	Creation of an integral network of infrastructure for production and sale of alternative fuel and electricity in regions within the influence zone of the road route *Saint Petersburg – Helsinki* Reduction of GHG and pollutant emissions from vehicles on the route Saint *Petersburg – Helsinki* by expanding the use of vehicles operating on alternative fuel as well as electrical vehicles.

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2. Increasing the number of vehicles that use alternative fuels with lower emissions of greenhouse gas and other pollutants

##	Activity	Deadline	Responsible entities	Outcome expected
2.4	Motivating owners of parking facilities, malls and other commercial facilities in regions within the influence zone of the road route *Saint Petersburg – Helsinki* to install recharging stations for electrical vehicles on their facilities	2020-2024	Regional executive authorities within the influence zone of the route	Creation of an integral network of recharging stations for electrical vehicles in regions within the influence zone of the road route *Saint Petersburg – Helsinki* Reduction of GHG and pollutant emissions generated by vehicles on the route *Saint Petersburg – Helsinki* by expanding the use of electrical vehicles.
2.5	Development of tax incentives to increase demand for gas engine vehicles and electrical vehicles (including reduced or zero tax rates for such vehicles)	2020-2021	Ministry of Industry and Trade of the Russian Federation, Ministry of Economy of Finland, Ministry of Environment and Climate Change of Finland, and regional executive authorities within the influence zone of the route	Reduction of GHG and pollutant emissions in regions within the influence zone of the route *Saint Petersburg – Helsinki* by expanding the use of vehicles operating on alternative fuel as well as electrical vehicles.
2.6	Development of organizational and management solutions to increase efficiency of vehicles using alternative fuel including by organizing high-quality maintenance and repair services	2020-2024	Manufacturers of vehicles using alternative fuel as well as hybrid and electrical vehicles	Reduction of GHG and pollutant emissions in regions within the influence zone of the route *Saint Petersburg – Helsinki* by expanding the use of vehicles operating on alternative fuel as well as hybrid and electrical vehicles.

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3. Developing transport infrastructure and controlling mobility to reduce unsustainable travel distances, ensuring more efficient use of space and load capacity, and reducing pressure on the environment

##	Activity	Deadline	Responsible entities	Outcome expected
3.1	Reconstruction of the road A-181 “Scandinavia” with upgrade to Category I-B on the section Ogonki – Vyborg	2020-2022	Rosavtodor	Increasing average speed and providing even distribution of traffic on the road section; improving level of service on the road; improving traffic safety through spatial segregation of traffic directions. Reducing GHG and pollutant emissions through optimization of the driving mode on the road section.
3.2	Reconstruction of the road A-181 “Scandinavia” with upgrade to Category I-B on the section Vyborg – Border with Finland	2022-2025	Rosavtodor	Increasing average speed and providing even distribution of traffic on the road section; improving level of service on the road; improving traffic safety through which corresponds to km 47.803 km segregation of traffic directions. Reducing GHG and pollutant emissions through optimization of the driving mode on the road section.
3.3	Creation of ITS on the section Ogonki – Vyborg of A-181 “Scandinavia”	2020-2022	Rosavtodor	Ensuring even distribution of traffic on the road section; improving effectiveness of road maintenance; increasing traffic safety on the road section; monitoring main operation indicators of the road; creating background conditions for development of autonomous traffic; increasing information support to end users of the road. Reducing GHG and pollutant emissions through optimization of the driving mode on the road section.
3.4	Creation of ITS on the section Vyborg – Border with Finland of A-181 “Scandinavia”	2022-2025	Rosavtodor	Ensuring even distribution of traffic on the road section; improving effectiveness of road maintenance; increasing traffic safety on the road section; monitoring main operation indicators of the road; creating background conditions for development of autonomous traffic; increasing information support to end users of the road. Reducing GHG and pollutant emissions through optimization of the driving mode on the road section.

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##	Activity	Deadline	Responsible entities	Outcome expected
3.5	Coordination of intelligent transport systems (ITS) on the Russian and Finnish parts of the route Saint Petersburg – Helsinki to enable autonomous traffic and reduce workload on infrastructure of border-crossing points.	2025-2035	Ministry of Transport of the Russian Federation, Rosavtodor, Ministry of Transport and Communications of Finland, Transport and Communications Agency of Finland, and Transport Infrastructure Agency of Finland	Ensuring even traffic distribution of the route Saint Petersburg – Helsinki; forming routes for autonomous vehicles; and increasing information support to end users of the route. Reducing GHG and pollutant emissions through optimization of the driving mode on the route.
3.6	Improvement of planning and routing of transport to increase the efficiency of the route, including promotion a modal shift of freight and passenger flows from roads to other transport modes.	2020-2035	Ministry of Transport of the Russian Federation, Ministry of Transport and Communications of Finland	Reducing traffic on the route by decreasing the number of trucks and personal cars thereon; increasing the role of public transport in the supply of transport services in regions within the influence zone of the route. Reducing GHG and pollutant emissions through reduced traffic and optimization of the driving mode on the route.
3.7	Supporting various forms of shared vehicle use (car sharing, car pooling, etc.)	2020-2024	Regional executive authorities within the influence zone of the route	Reducing traffic on the route by decreasing the number of personal cars thereon; increasing the role of shared vehicle use services in transport supply within the influence zone of the route. Reducing GHG and pollutant emissions by lowering traffic on the route.

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##	Activity	Deadline	Responsible entities	Outcome expected
3.8	Promoting creation of routes (including the necessary infrastructure) designed for non-motorized vehicles and personal mobility devices	2020-2035	Ministry of Transport of the Russian Federation, Rosavtodor, SevZapUprAvtoDor, LenAvtoDor, Ministry of Transport and Communications of Finland, and Transport Infrastructure Agency of Finland	Improving the level of service on the route by reducing traffic (all vehicles); increasing the role of non-motorized vehicles (primarily, bicycles) and personal mobility devices in the transport supply within the influence zone of the route. Reducing GHG and pollutant emissions through reduced traffic and optimization of the driving mode on the route.
3.9	Promotion of development of rapid and high-speed train services in the influence zone of the route Saint Petersburg – Helsinki to move passenger flows from roads to trains	2020-2035	Ministry of Transport of the Russian Federation, RosZhelDor, RZD, Ministry of Transport and Communications of Finland, Transport Infrastructure Agency of Finland, VR-Yhtymä Oy (VR Group)	Improving the level of service on the route by reducing the number of buses and personal cars thereon; increasing the role of railway transport in the transport supply in regions within the influence zone of the route. Reducing GHG and pollutant emissions through reduced traffic and optimization of the driving mode on the route.

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