Role of innovations in transport in efficient solving of ecological and climate challenges

*High-level segment of the 82th ITC session*

Speaker: Dmitry Zverev
State Secretary - Deputy Minister of Transport of the Russian Federation
Economic growth depends on transport infrastructure development

- Increasing population mobility
- Cargo transport efficiency
- Improving road safety
- Decreasing of transport-related environmental pollution
- Increasing the comfort of transportation

Adaptation to the climate change and reduce of emissions

- Essential for sustainable development
- Several international commitments
- Global context
- Need of cross-sectoral approach

Key directions

- Minimizing the effects of climate change for transport infrastructure
- Reducing the negative impact of transport sector on climate and environment by the modal shift to eco-friendly transport
Ecological activities in Russian Federation

Main goals

- Reduce the level of transport emissions
- Increase level of energy efficiency by modal shift from automobile transport to eco-friendly modes
- Reduce of automobile vehicles’ total mileage

Key projects

- Programme of comprehensive development of transport infrastructure (PKRTI)
- Comprehensive scheme of traffic organization (KSODD)
- Comprehensive scheme of public transport service (KSOT)
- National project “Safe and quality roads”
Ecological activities in Russian Federation

Ongoing activities:
- Promoting electric urban transport
- Development of sharing-based transport services
- Multimodal urban transport systems
- Implementation of Mobility as a Service (MaaS) services
- Smart traffic management systems

Planned results:
- Reduce of private car usage
- Decrease of transport-related pollution

Current trends:
- Growth of e-micromobility
- Implementing autonomous cars
- Digital vehicle and cargo tracking systems

Related actions:
- Changes to the Traffic Rules
- of the Russian Federation
Transport digitalization in Russian Federation

Projects on getting transport safer, more efficient and eco-friendly

- Development of autonomous and automatic driving
- Adoption of digital traffic control systems
- Creation of a unified transport management system
Rail transport development

Moscow Central Circle (urban ring railroad)
Implementation of technologies and software for driverless service and smart rail traffic control

86% of goods and 85% of passengers are being transported by the Russian Railways with eco-friendly electricity traction

2317 km of rail lines to be electrified by 2025
Reduce of power consumption by 5.6%, air pollution – by 8%
International cooperation

**2002** – Russia is one of the founders of UNECE-WHO common program – THE PEP

**2018-2019** – Russia initiates and finances the UNECE Handbook on sustainable urban mobility and spatial planning *(to be adopted at 5th HLM in Vienna this November)*
THANK YOU FOR YOUR ATTENTION!