Sustainable and low-carbon transportation in Montenegro

PhD Radoje Vujadinović
Assistant Professor, Faculty of Mechanical Engineering
The Montenegrarian Transport policy framework

Modern, functional and efficient transport system is a pre-request for faster economic development.

Development and quality of transport networks, its technical condition and availability of the means of transportation can be taken as a reliable measure of economic development and the standard of living of the population.

Ministry of Transport and Maritime Affairs is responsible for transport policy.
The strategy has gave 5 general strategic goals for development of transport sector, which corresponds to real needs and possibilities of the Montenegro.
Basic goals of strategic development of Montenegro’s transport system are as follows:

1. **Improvement of safety and security**, in order to save human lives, material values and to preserve state resources;
2. **Integration in the European Union**, through connection to TEN-T and improvement of competitiveness of national transport economy;
3. **Improvement of transport services quality**;
4. **Stimulation of economic growth** through more efficient and less expensive transport;
5. **Minimization of negative impacts of transport development and traffic infrastructure on environment and society in general.**
**Vision**

*Montenegro will provide quality transport system for users, which will be safe, sustainable, integrated in the European systems and which will support and stimulate economic growth in the state.*
Mission

Transport system in Montenegro will be developed so as to:

• Provide safe and secure traffic;
• Provide quality maintenance of transport infrastructure;
• Be effective;
• Contribute to economic development;
• Minimize harmful impacts to the environment;
• Be harmonized and support integration process of Montenegro in the European Union;
But how to achieve it???
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Average age of the car fleet

![Graph showing the average age of the car fleet from 2000 to 2010 for different vehicle types: Special freight vehicle, Tow truck, Trailers, Tractor, and Motorcycles.]
The activities of the Ministry of Transport and Maritime Affairs:

- It was adopted of Euro 3 standards as a condition of used vehicles being imported
- It was made Program of fleet renewal Montenegrin carrier with environmentally advanced vehicles
- Regulatative activities on harmonization with the EU
The works on the infrastructure:

MODERNIZATION AND RECONSTRUCTION OF EXISTING ROAD NETWORK OF UP TO 5 YEARS - 77 projects
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Fast roads along the coastline
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Technology for sustainable and low-carbon transport

Fleet renewal

Hybrid vehicles
Biogas buses
Electric vehicles for rent a car or taxi services
CABLE CAR Kotor-Lovćen-Cetinje

**Kotor - Lovćen - Cetinje**

**Ukupna dužina:** 15 km

**Vrijeme putovanja:** 40 min

**Najniža kota:** 0 m

**Najviša kota:** 1.521 m

---

The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Solar boats

E-Cat 15

The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Segway
The UNECE ForFITS model - Capacity Building Workshop in Montenegro
19-20 November 2013, Podgorica, Montenegro
Thank you for your attention!!

University of Montenegro-Faculty of Mechanical Engineering
PhD Radoje Vujadinović
radoje.vujadinovic@gmail.com