



ROAD ACTION PLAN

FIRST YEAR PROGRESS REPORT

6th Road Technical Committee, 8th of October 2021

Structure of the presentation



- Summary of yearly activities
 - Road shows
 - Technical Committees
- Monitoring and Reporting Mechanism
- Progress by measure
 - Establishing functioning and efficient road maintenance system
 - ITS Deployment on Core/Comprehensive Road Network
 - Enhancing road transport climate resilience and use of alternative fuels
 - Enhancing regional cooperation and experience exchange
- Revision of deadlines

Road Action Plan Monitoring Timeline

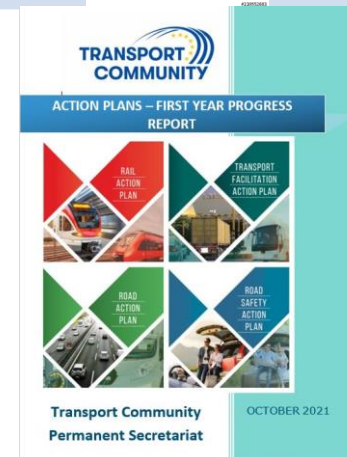


AP endorsed
26/10/2020

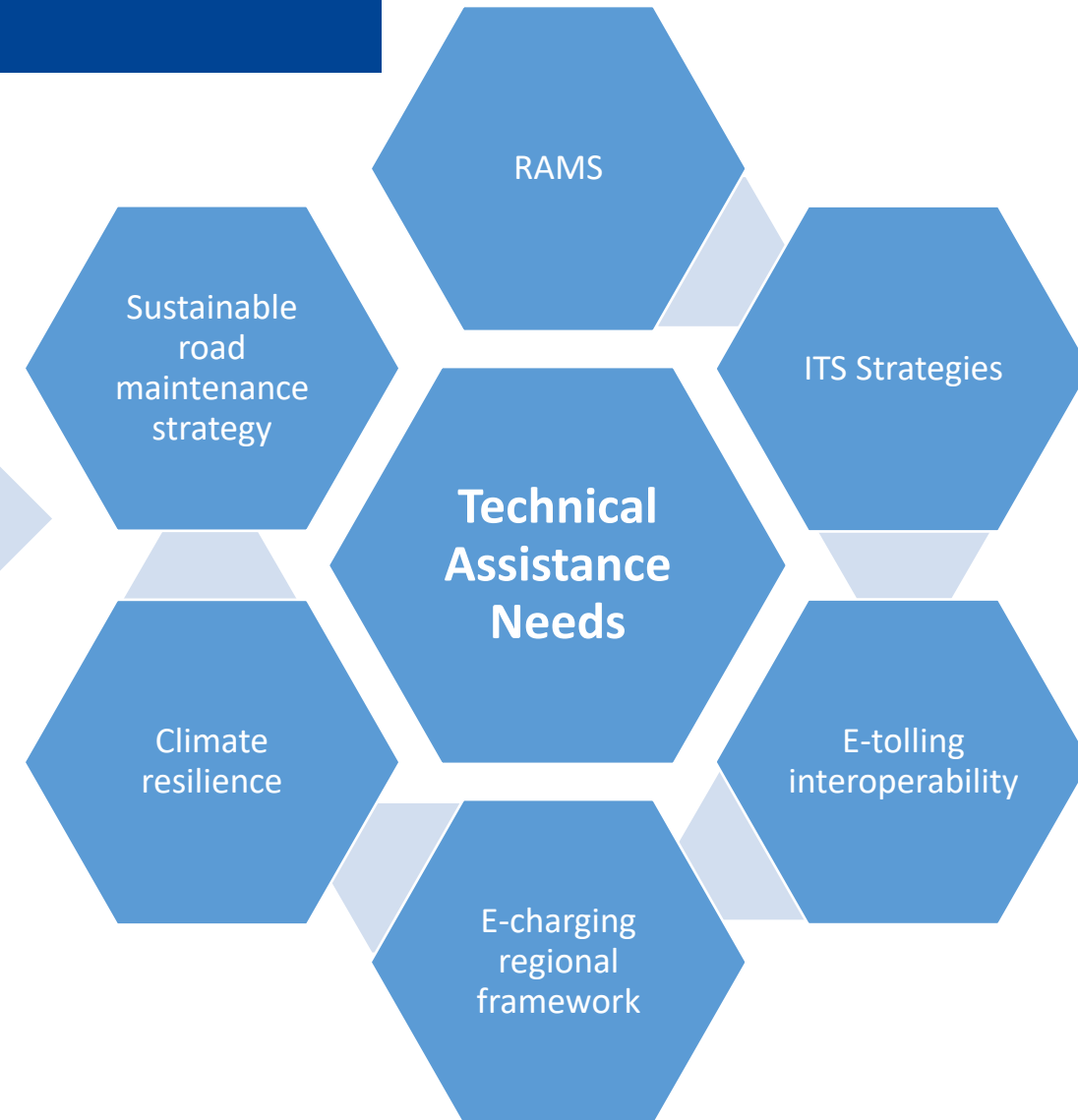
Annual Monitoring
Report
October 2021



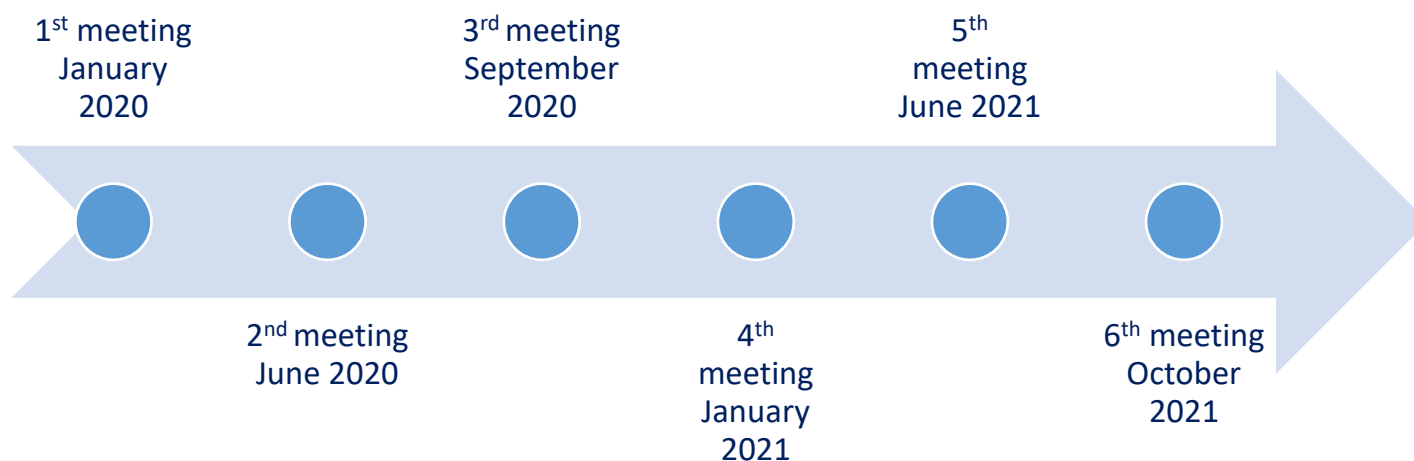
AP Roadshows
Nov'20 - Feb'21



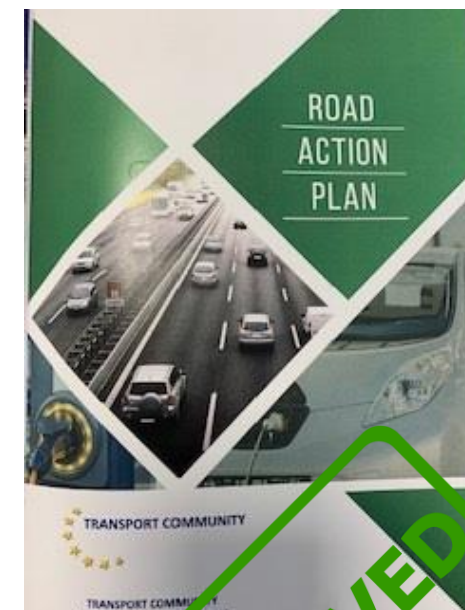
Roadshows timeline and outcome



Technical Committees

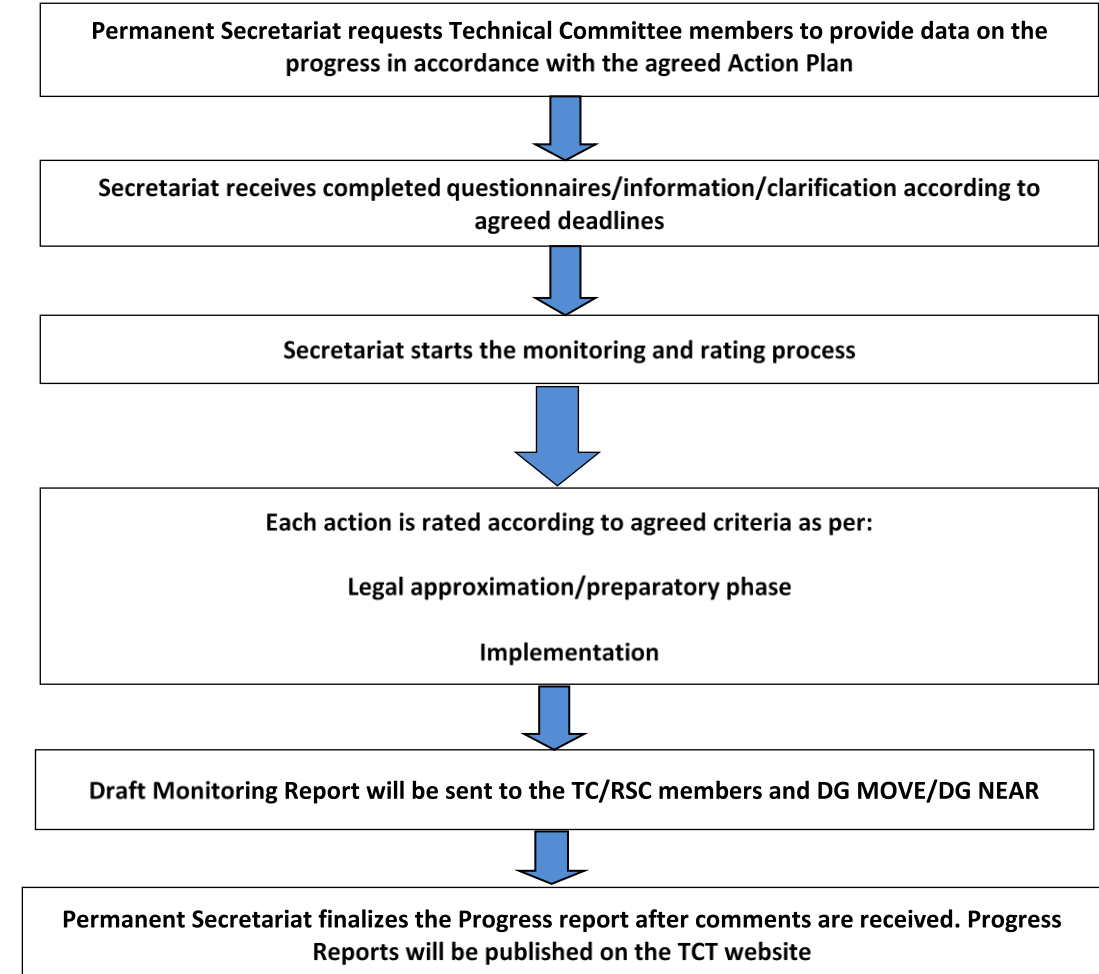
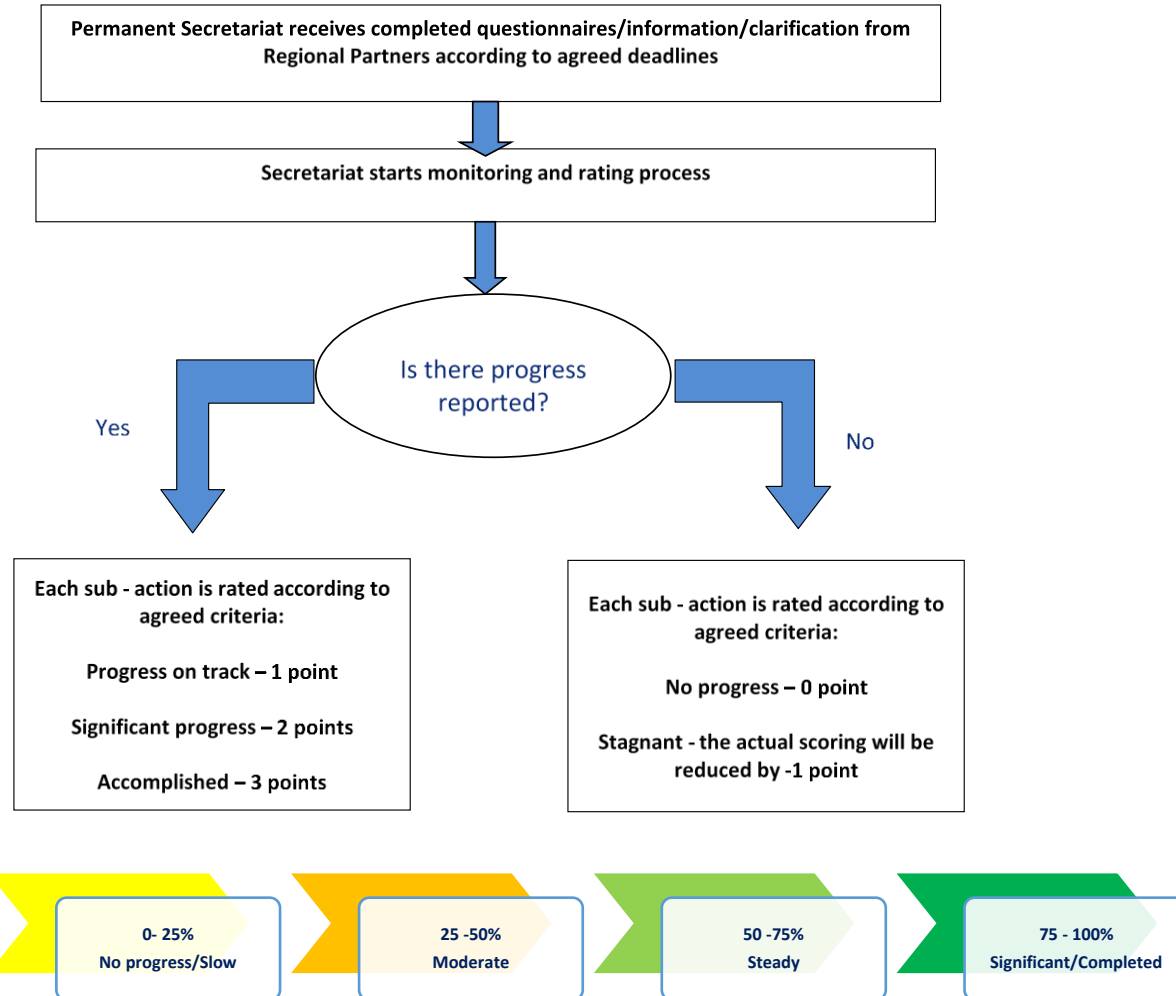


Road Technical Committee with the support of the TCT Secretariat was mandated to elaborate and implement a coherent set of concrete actions (Road Action Plan) aiming at establishing an efficient maintenance systems coupled with the exploration of possibilities for road financing mechanism (tolling, including e-tolling), deployment of ITS in accordance with EU Directives and interoperability standards and decarbonisation of road transport including resilience aspects and smart mobility.



APPROVED

Monitoring and Reporting Mechanism



Establishing functioning and efficient road maintenance system - measures



Adopt multiannual maintenance plan

- Deadline - **Q3 2020**

Establishing Road Asset Management System (RAMS)

- Deadline - **MKD completed; ALB, BIH, SRB Q2 2021, KOS*, MNE Q4 2021**

Signing of Service Level Agreement between Ministry of Transport and Road Authorities/Public Enterprises

- Deadline - **ALB, BIH, SRB Q1 2021; KOS, MNE Q4 2021**

Adopt an efficient strategy on the funding sustainability for road maintenance

- Deadline **ALL RPs Q4 2021**

Establishing functioning and efficient road maintenance system - Progress



ALBANIA

- Multiannual maintenance plans and contract in place supported by World Bank; RAMS contract started in May 2021. Dedicated unit will be set up within ARA;
- ARA restructuring is still pending that would address SLA and its funding mechanism

BOSNIA AND HERZEGOVINA

- Draft Multi Annual Maintenance Plan are being prepared at entity levels; There is no legal impediment for creating a Multi Annual Plan; RAMS set up in 3 out of 4 road enterprises
- EBRD has completed the strategy on the funding sustainability for road maintenance, still pending its implementation

MONTENEGRO

- Current maintenance contracts are 4 years with a duration until 2022. Medium term Plan for construction and reconstruction, maintenance of the road network in Montenegro is being prepared, expected completion by the end of 2021.

KOSOVO

- Maintenance based on 3 yearly framework contracts but implementation is done on yearly basis; Current maintenance contracts for the highway network based on unit price are valid until spring 2022;
- EBRD will start to work on the preparation of an efficient strategy on the funding sustainability for road maintenance

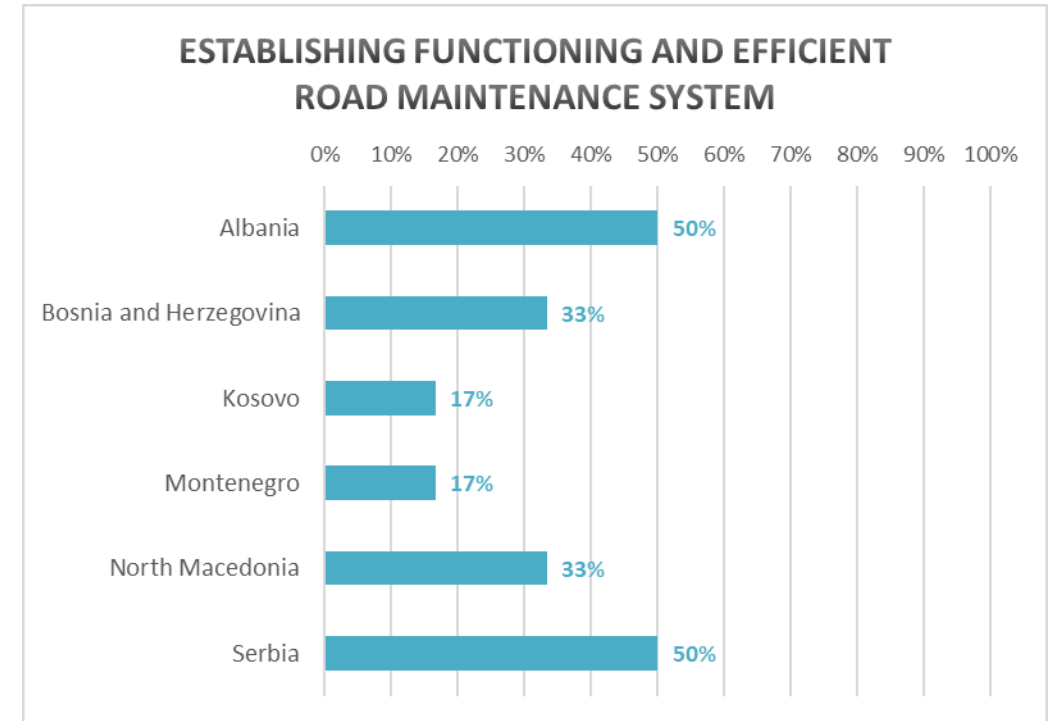
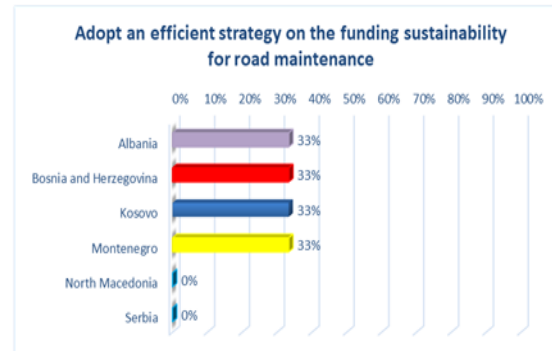
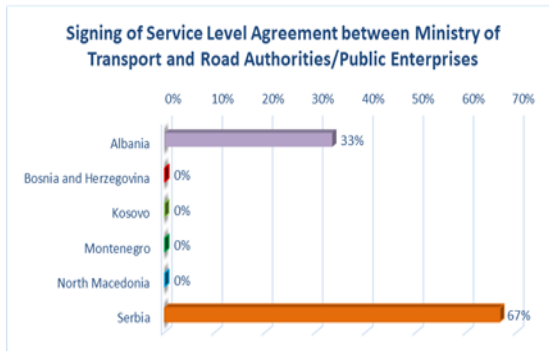
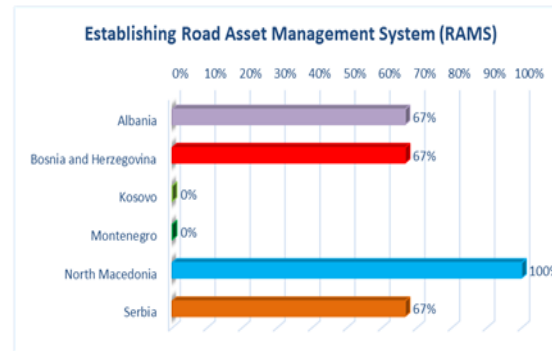
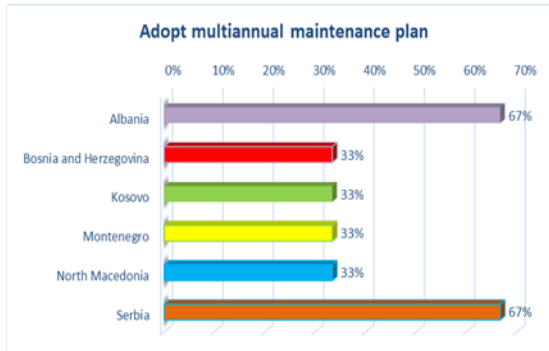
NORTH MACEDONIA

- Annual Programme for Maintenance and Protection of State Roads is prepared every year. Law on Roads does not have special provisions for Multiannual maintenance plans. Pilot private Contractors for the maintenance of road sector will start 2021;
- RAMS supported by World Bank has been set up, dedicated unit within PESR as well

SERBIA

- Multiannual maintenance plans and contract in place supported by World Bank;
- Service Level Agreements, is expected to be completed by end of 2021;
- Establishing Road Asset Management and its respective unit within the PERS is expected to be completed by 2021

Establishing functioning and efficient road maintenance system - Progress



ITS Deployment in Core/Comprehensive Network



Adopt ITS Strategy and Action Plans aligned with regional ITS Vision and strategic objectives

Transposition of Directive 2010/40/EU

Transposition of Directive 2004/52/EC - Interoperability of electronic road toll systems (amended)

Adopt and implement EU ITS standards for roads to ensure European standards and specifications for all new projects and for the upgrading of existing ones

Adopt and implement EU ITS Framework Architecture for roads to ensure compatibility of system and equipment

Adopt a regional interoperability framework aimed to establish a mechanism for the exchange of ITS data at regional level through TCT Information System

- Deadline **ALL RPs Q4 2021**

ITS Deployment in Core/Comprehensive Network - Progress



ALBANIA

- EU ITS Directive is partially transposed; ITS Strategy for Roads in place since July 2020
- ARA is currently undergoing a procurement for Traffic Monitoring Centre (TMC)

BOSNIA AND HERZEGOVINA

- Directive 2010/40/EU has not been transposed. There is partial transposition of Directive 2004/52/EC on the interoperability of electronic road toll systems
- The implementation of the ITS and Center for Traffic Management has started. Traffic Control Center is located in Zenica, Laktaši and Doboј

KOSOVO

- The administrative instruction to transpose the Directive 2010/40/EU on the Framework for the deployment of intelligent transport systems (ITS) in the road transport has been gone through public consultation in 2020. Still pending its signature

MONTENEGRO

- Within the framework of EU Technical Assistance on legal approximation, it is included the 'Preparation of National ITS Program for Roads', expected to be completed by the end of 2021, including the transposition of ITS Directive 2010/40/EU

NORTH MACEDONIA

- ITS Strategy will be prepared with the assistance of the World Bank within the framework of Trade and Transport Facilitation is scheduled to start in 2021
- ITS Directive 2010/40/EU and Directive 2004/52/EC on the interoperability of electronic road toll systems have not been transposed

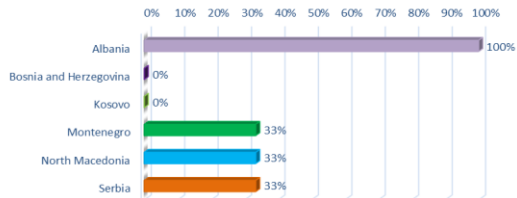
SERBIA

- ITS Strategy will be prepared with the assistance of the World Bank in the framework of Trade and Transport Facilitation, scheduled to start during 2021
- Directive 2010/40/EU has been partially transposed in Law of Roads

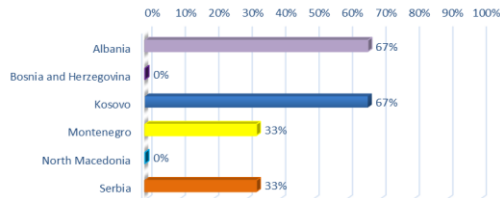
ITS Deployment in Core/Comprehensive Network - Progress



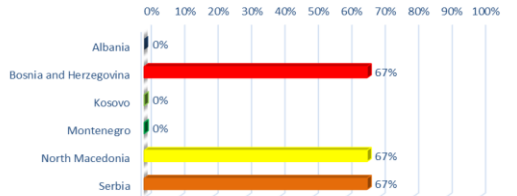
Adoption of ITS strategy together with an Action/implementation plan



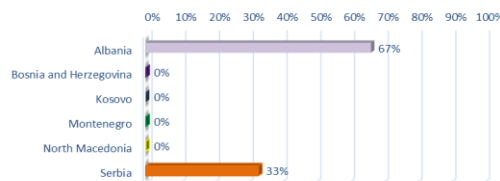
Transposition of the Directive 2010/40/EU into the national legislation



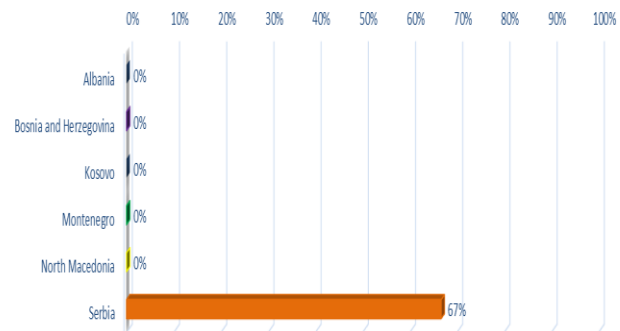
Transposition of Directive 2004/52/EC - Interoperability of electronic road toll systems



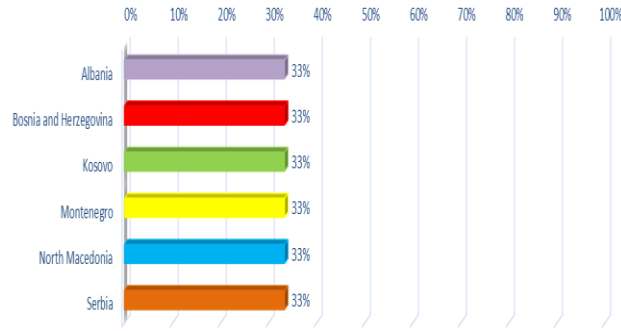
Adopt and implement EU ITS Framework Architecture for roads to ensure compatibility of system and equipment



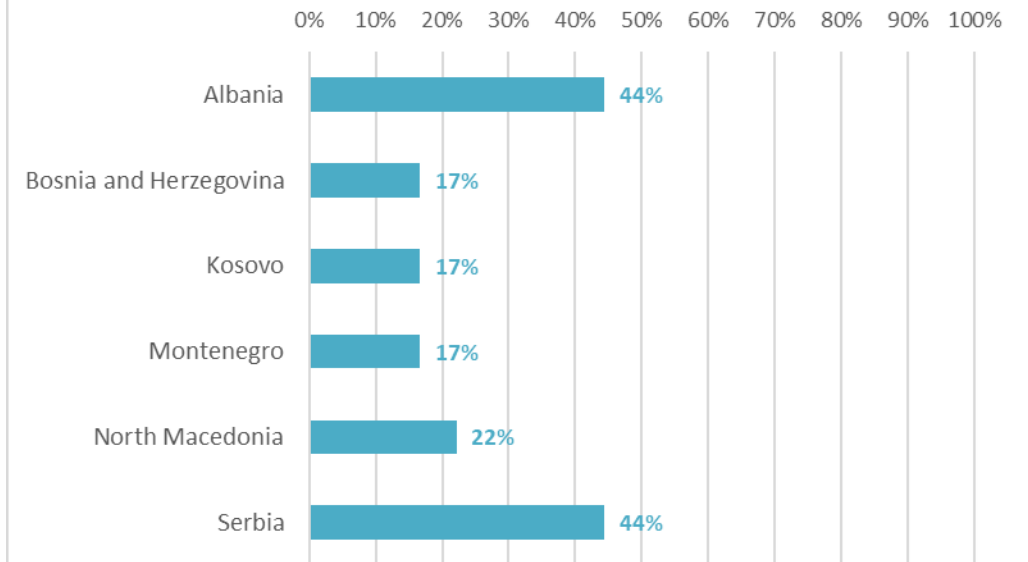
Adopt and implement EU ITS standards for roads to ensure European standards and specifications for all new projects and for the upgrading of existing ones



Adopt a regional interoperability framework aimed to establish a mechanism for the exchange of ITS data at regional level through TCT Information System



ITS DEPLOYMENT ON CORE/COMPREHENSIVE ROAD NETWORK



Enhancement of road climate resilience use of alternative fuels



Adopt guidelines and methodologies for climate change and natural hazard road network vulnerability assessment

- Deadline **ALL RPs Q3 2021**

Development of Resilience Action Plan for Road Core/Comprehensive Network

- Deadline **ALL RPs Q4 2021**

Undertake risk-based vulnerability interventions for the most vulnerable sections of the indicative extension of Core/Comprehensive TEN-T Networks in Western Balkans

- Deadline **ALL RPs Q1 2022**

Enhance use of alternative fuels (e-charging stations etc)

- Deadline **ALL RPs Q2 2021**

Enhancement of road climate resilience use of alternative fuels - Progress

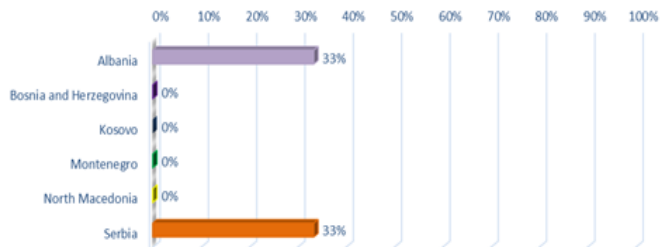


ALBANIA	<ul style="list-style-type: none">• ARA with the support of World Bank have identified road sections vulnerable to natural hazards. No further actions taken
BOSNIA AND HERZEGOVINA	<ul style="list-style-type: none">• Specific guidelines on climate resilience are not in place, but resilience considerations are included in the preparation of the detailed design for road infrastructure
KOSOVO	<ul style="list-style-type: none">• Ministry of Infrastructure has started to address some of resilience issues and reducing pollution by planting trees and vegetations on the slope along the main highways
MONTENEGRO	<ul style="list-style-type: none">• Resilience issues are included as per the respective design standards during the design phase of road investments
NORTH MACEDONIA	<ul style="list-style-type: none">• Specific guidelines on climate resilience are not in place, but resilience considerations are included in the preparation of the detailed design for road infrastructure
SERBIA	<ul style="list-style-type: none">• There are 8 (3 ultra fast charger) e-charging stations along Corridor X for now and 8 additional ultra fast charger are planned. The existing ones are currently free of charge for users. This is just a pilot project and there is no methodology for long term use and payment for the time being.• Serbia has issued a green bounds, one of eligible subcategory is expenditures related to the acquisition of hybrid and/or zero-emission vehicles and related charging infrastructure.

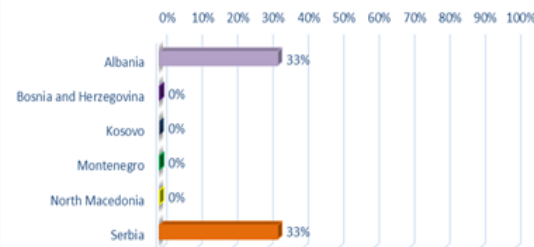
Enhancement of road climate resilience use of alternative fuels - Progress



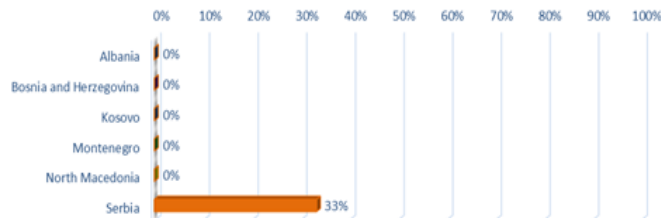
Adopt guidelines and methodologies for climate change and natural hazard road network vulnerability assessment



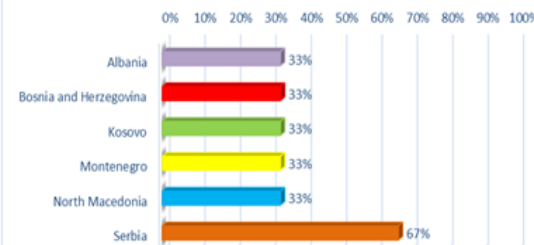
Development of Resilience Action Plan for Road Core/Comprehensive Network



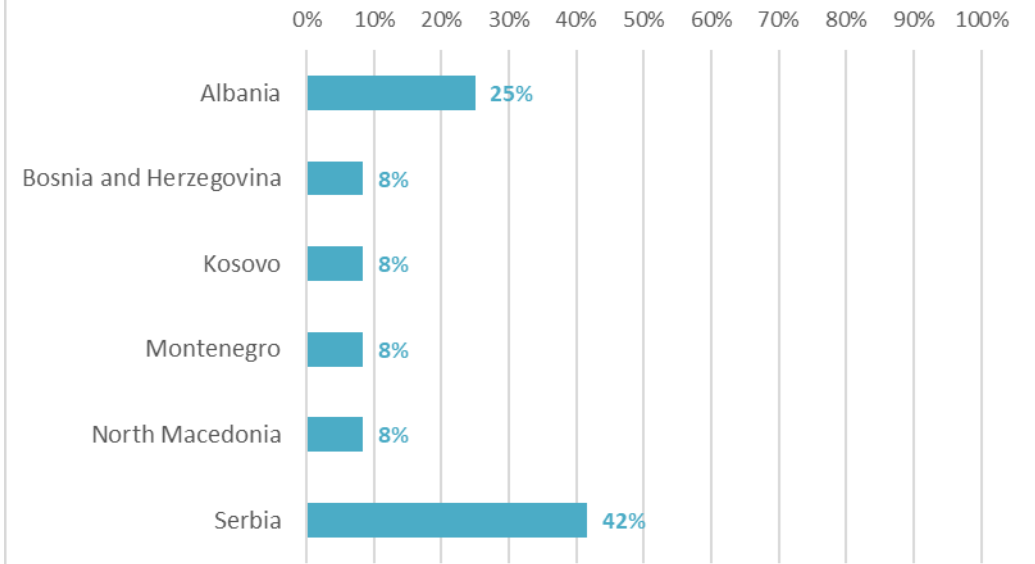
Undertake risk-based vulnerability interventions for the most vulnerable sections of the indicative extension of Core/Comprehensive TEN-T Networks in Western Balkans



Enhance use of alternative fuels (e-charging stations etc)



ENHANCING ROAD TRANSPORT CLIMATE RESILIENCE AND USE OF ALTERNATIVE FUELS



Enhancement of regional cooperation experience exchange



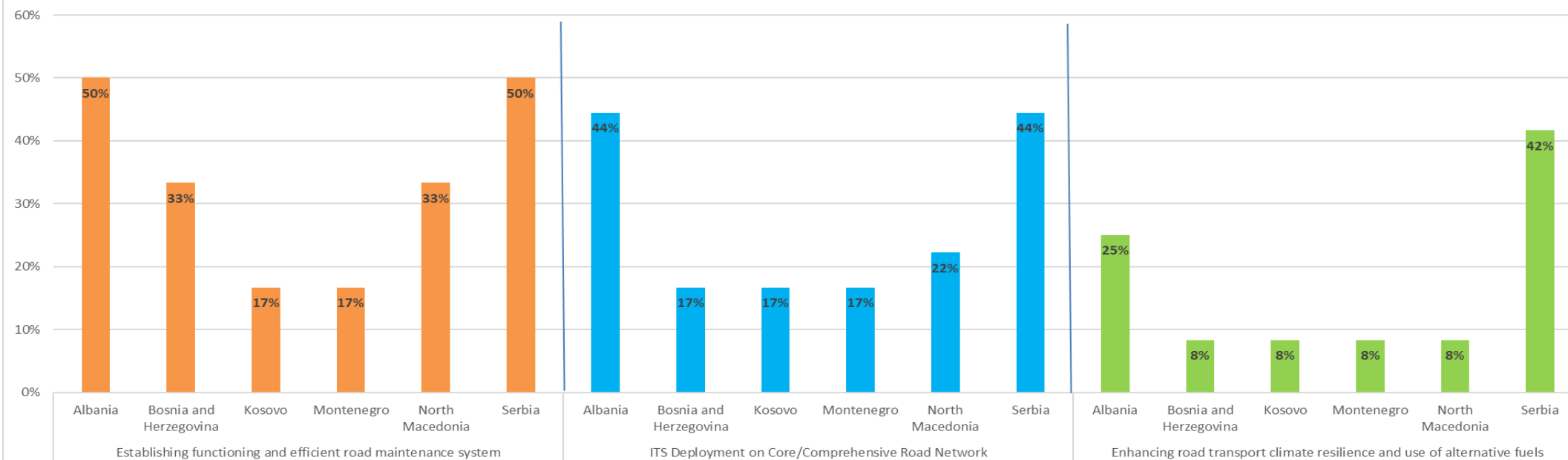
Establishing a regional network of road authorities/public enterprises for regular consultation and coordination at the regional level before adoption maintenance plans, deployment of ITS etc





- Memorandum of Understanding prepared by TC Secretariat and distributed for comments to Regional Partners. Expected signature on Road Summit 2022

Identify the areas of capacity building needs/experience exchange/organise stakeholders' workshops to accommodate the broad range of technical experiences

Overall progress achieved

ROAD ACTION PLAN - YEARLY PROGRESS 2020/2021



ALBANIA	BOSNIA AND HERZEGOVINA	KOSOVO	MONTENEGRO	NORTH MACEDONIA	SERBIA
Av. Scoring 40%	Av. Scoring 19%	Av. Scoring 14%	Av. Scoring 14%	Av. Scoring 21%	Av. Scoring 45%
					

Revision of deadlines

Actions concerned	Revised Deadline
Adopt ITS Strategy and Action Plans aligned with regional ITS Vision and strategic objectives Transposition of the Directive 2010/40/EU	Deadline will be Q4 2022 to accommodate the completion of the Technical Assistances supporting the regional partners
Adopt a regional interoperability framework for the exchange of ITS data	Deadline will be Q4 2022 to accommodate the completion of the Technical Assistances supporting the regional partners
Establishing a regional network of road authorities/public enterprises for regular consultation and coordination at the regional level before adoption maintenance plans, deployment of ITS etc	Deadline will be Q2 2022 for the signature of this document, in the framework of 2022 'Year of Roads of the Future' activities



www.transport-community.org

nhoxha@transport-community.org

THANK
YOU!

Technical Assistances – EU CONNECTA



Preparation of Strategy/Policy documents concerning ITS for all transport modes for Bosnia and Herzegovina and Kosovo and for Albania for rail and maritime transport

- Preparation of Need assessment, assessment of the current situation of the legal approximation and technological applications
- Preparation of the Vision and Strategic Objectives
- Development of Measures for achieving the strategic objectives and implementation roadmap and monitoring
- Development of Operational Concept for Traffic Management Centres for roads only for Bosnia and Herzegovina and Kosovo

• Duration – 12 months

Impact assessment and financial analysis for the deployment of smart and sustainable mobility in the Western Balkans

- Assessment of the current status of play/plans of deployment of e-charging stations along the extension of TEN-T network to the Western Balkans
- Development of Alternative Fuel Infrastructure Location and Capacity Scenarios based on need assessment of e-charging infrastructure based on the level of demand on the TEN-T network to the Western Balkans up to 2030
- Preparation of Cost analysis of deployment of e-charging across the TEN-T networks to Western Balkans up to 2030, including identification of potential financing schemes
- Preparation of a Roadmap, including legal framework, for each RP on extending the e-charging stations on the extension of TEN-T network in the Western Balkans
- Duration – 14 months

Technical Assistances – TCT Budget



Baseline assessment and financial implication to e-tolling interoperability in the Western Balkans

- Assessment of the current toll systems. It will be performed for each regional partner a GAP Analysis across legal, technical, and operational areas (including enforcement frameworks that already exist in the region)
- SWOT analysis of e-tolling interoperability in Western Balkans and best practice from EU countries.
- Impact assessment of deployment of e-tolling interoperability. The Contractor will perform an impact assessment of e-tolling interoperability in the Western Balkans as per Regional Partners/Economies readiness. In practice, this task will propose a common e-tolling framework for the region, in a way that part of it to be adopted/deployed in short term (5 years) and part of it in long term, considering recent and coming changes in mobility and technology in the EU and its future expandability to neighbouring countries (10 years).

•Duration – 25 weeks

Enabling e - freight in Western Balkans (based on eFTI Regulation)

To enable wider use of digital technologies for fulfilling regulatory information requirements in current legislation applicable to the transport of goods in the WB, in all transport modes. Administrative burden for logistics operators will be reduced, and multimodal transport facilitated.

- European Union institutional and legal framework and best practice examples
- State of play and gap analysis of the by Regional Partners
- Economic and Environmental impact assessment
- Recommendations

•Duration – 10 months