



Western Balkans forum: Environmental / Climate achievements and future challenges

Infrastructure resilience

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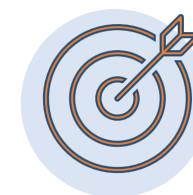
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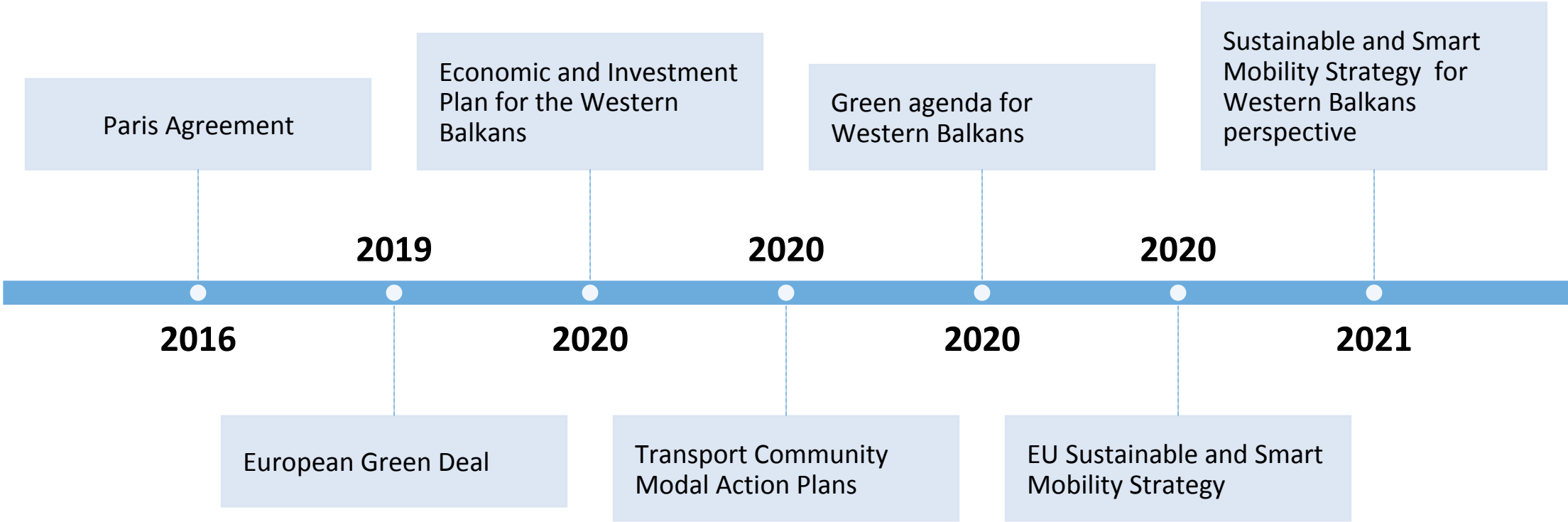
Way forward

Transport Community Treaty



- **The Transport Community** is an international organisation in the field of mobility and transport, consisting of 33 participants – the entire EU and the six Western Balkans regional partners
- Working on **the integration of Western Balkans' transport markets into the EU**, by assisting the six Western Balkans partners to adopt and implement the EU legislation in the field of transport and by supporting projects that are connecting Western Balkans regional partners among themselves and with the EU.

Policy framework



SSMS WB Objectives & Roadmap



- Flagship 1 - boosting uptake of zero-emission vehicles, renewable & low-carbon fuels and related infrastructure
- Flagship 2 - creating zero-emission airports and ports
- Flagship 3 - making interurban and urban mobility more sustainable and healthy
- Flagship 4 - greening freight transport
- Flagship 5 - pricing carbon and providing better incentives for users



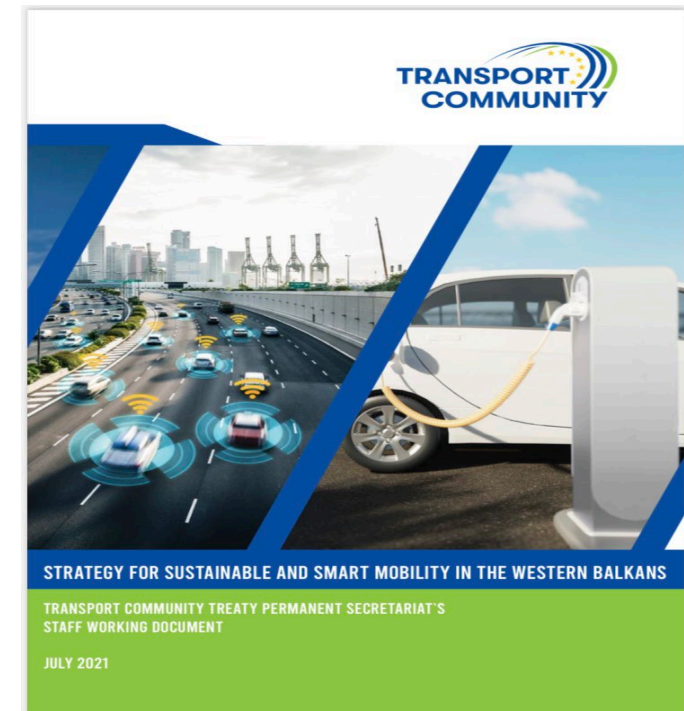
- Flagship 6 - making connected and automated multimodal mobility a reality
- Flagship 7 - innovation, data and AI for smart mobility



- Flagship 8 – working towards the single market
- Flagship 9 - making mobility fair and just for all
- Flagship 10 - enhancing transport safety and security

OBJECTIVES:

- BASED ON 10 EU FLAGSHIPS AND
OBJECTIVES
- GAP ANALYSIS OF CURRENT




Sustainable and Smart Mobility Roadmap



<i>Sustainable and Smart Mobility Roadmap</i>							
Objective	Flagship	Area	Action	Type of intervention	Responsible authority	start date	end date
Resilient Mobility	Flagship 8 – working towards the single market	Horizontal	Capacity building for administration on green and digital transformation of transport	T	TCT Secretariat organisation	2022	2024
Resilient Mobility	Flagship 8 – working towards the single market	Horizontal	Development of cost effectiveness analysis of Sustainable and Smart Mobility Strategy Western Balkans Perspective and elaboration of detailed action plans per each Regional Party	S	TCT Secretariat	2022	2023
Resilient Mobility	Flagship 8 – working towards the single market	Road	Adopting guidelines to assess climate change and natural hazards of road network	L	TCT Secretariat to support MoT	2022	2022
Resilient Mobility	Flagship 8 – working towards the single market	horizontal	Developing and implementing climate resilience plans for RPs transport networks	S	Ministries in charge of Transport, road authorities, rail infrastructure managers, TCT Secretariat coordinating role	2022	2024
Resilient Mobility	Flagship 8 – working towards the single market	Road	Establishing efficient road maintenance through multiannual road maintenance plans and Road Asset Management Systems	L	TCT Secretariat coordinating role; MoT, Road Authorities/ Public Enterprises	2022	2022
Resilient Mobility	Flagship 8 – working towards the single market	Rail	Electrification of rail core network and implementation of Flagship 1, 2, 3.	S, I	Ministry in charge of Transport, infrastructure managers	2022	2030
Resilient Mobility	Flagship 8 – working towards the single market	Rail	Reforming railway sector through transposition and implementation of Market opening, passenger rights, interoperability, border crossings/common crossings legislation.	L	Ministry in charge of Transport, railway authorities, railway companies	2022	2023
Resilient Mobility	Flagship 8 – working towards the single market	Horizontal	Reviewing transport relevant State aid rules.	P, I	MoT, TCT Secretariat and EU support	2022	2022
Resilient Mobility	Flagship 9 - making mobility fair and just for all	Social	Playing an active role to assist regional institutions in removal of legal barriers to women's economic empowerment opportunities	S, T	TCT	2021	2025
Resilient Mobility	Flagship 9 - making mobility fair and just for all	Social	Encouraging IFIs, Ministries in charge of transport and Transport Departments within Universities across region to develop grant schemes for women internships in transport sector.	P	TCT	2021	2025
Resilient Mobility	Flagship 9 - making mobility fair and just for all	Rail/ Social	Reviewing guidelines on Land PSO Regulation and provide guidance on freight PSOs.	P, I	MoT, TCT and EU support	2021	2022
Resilient Mobility	Flagship 10 - enhancing transport safety and security	Road safety	Improving road safety management, enabling safer infrastructure a better protection of road users	P	Ministries in charge of Transport, Road safety agencies, TCT coordinating role	2022	2022
Resilient Mobility	Flagship 10 - enhancing transport safety and security	Road safety	Preparing and adopting Road Safety National Strategy and setting road safety targets for next decade 2021-2030	P	Ministries in charge of Transport, Road safety agencies	2021	2021

Road Action Plan

Adoption of Multiannual Road maintenance plans	Adoption of Intelligent Transport Systems (ITS) strategy
Setting up of Road Asset Management System	Approximation of EU Acquis on ITS and Electronic tolling
Regional Guidelines to assess climate resilience	Boosting the uptake of zero emission vehicles infrastructure
Climate proofing of road network	Establishing regional network of Road Authorities



The image shows the cover of the 'Road Action Plan' document. At the top right, a red banner indicates the date 'OCTOBER 2020'. Below it is the 'TRANSPORT COMMUNITY' logo, which consists of a circle of yellow stars. Underneath the logo, the text reads 'TRANSPORT COMMUNITY THE PERMANENT SECRETARIAT'. The main title 'ACTION PLANS' is prominently displayed in white on a dark blue background. Below the title, the subtitle 'ROAD • ROAD SAFETY • RAIL • TRANSPORT FACILITATION' is written in smaller white text. The cover features a collage of images related to transport: a bus, a multi-lane highway with cars, a high-speed train, and a truck at a port or industrial site.

CLIMAPROOF & Regional Resilience Strategy



- Regional strategy for climate resilient infrastructure development, followed with an action plan identifying concrete climate proofing measures, including green infrastructure;
- Enhanced national capacities for replicating EU best practices
- *Building on the results of CLIMAPROOF project*
 - Climate and weather patterns
 - Climate projections
 - Building on institutional capacity built and framework



Improving climate resilience of TEN-T road and rail networks in WB



Improving climate resilience of TEN-T road and rail networks in WB will encompass:

Task 1: Undertake vulnerability analysis of TEN – T

Task 2: Carry out a criticality assessment of TEN – T

Task 3: Identification and prioritisation of adaptation measures

Task 4: Institutional support

Task 1: Undertake vulnerability analysis of TEN -T



The Vulnerability Analysis shall non-restrictively incorporate the following distinct steps:

- Undertake the sensitivity analysis
- Undertake the exposure analysis
- Vulnerability analysis –the result of this step shall combine the outcome of sensitivity and exposure analysis
- Thematic maps representing the spatial distribution of the current and future vulnerability levels shall be produced using GIS separately for all climate-related hazards, as well as for all hazards combined.

Task 2: Carry out a criticality assessment of TEN - T



The criticality assessment shall non restrictively incorporate the following distinct steps:

- Identify the sections, which if not operational would cause the biggest negative impacts.
- Combine the results of step 1 and the spatial distribution of vulnerabilities from Task 1 to identify the most critical sections of road and rail networks.
- Using GIS, prepare thematic maps for current and future criticality of the road and rail networks.
- Prepare a prioritisation list of road/rail sections to form a potential pipeline of projects.

Task 3: Identification and prioritisation of adaptation measures



Task 3 shall non restrictively incorporate the following distinct steps:

- Prepare a catalogue of potential adaptation measures needed to avoid or reduce the exposure to climate-related hazards for road and rail most critical sections;
- Prepare a rough cost estimates for each of the proposed measures individually based on the similar projects and historical data.

Task 4: Institutional support



- Organization of two (2) one (1) day training event for the public servants of the relevant authorities from the region, in road and rail
- On the topics concerning climate resilience assessment and adaptation measures, as well as EU and international best practices

Improving climate resilience of TEN-T road and rail networks in WB



- Launched TA on improving climate resilience and adaptation measures in the indicative extension of TEN-T road and rail networks in Western Balkans
- Deadline for application 28 November 2022
- Duration 11 months from commencement



Thank you for your attention

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