



Overview of Transport Networks Resilience in Western Balkans 6

Transport Facilitation Working Group (TFWG)
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Western Balkans Transport Network Connectivity Reform Measures

2.4.3 Building resilience of the Core/Comprehensive Network				
Improving Transport Network Resilience in the Western Balkan to climate change	Sub-action 1 – Carry out scoping phase of developing Network Resilience Plan	IMPLEMENTING BODY (Stakeholders)	RESULT 2016/2017	VERIFIABLE INDICATORS 2016/2017
		MoT, Road Authorities, MoE, Rail companies, MoE, etc. SEETO support from donors (World Bank)	TORs agreed	Template TORs drafted

Mitigation means taking action to tackle the causes of climate change, that is reducing concentrations of greenhouse gases in the atmosphere.

Adaptation means taking action to deal with the consequences of a changing climate, resulting from increased levels of greenhouse gases.



Why Transport Network Resilience?

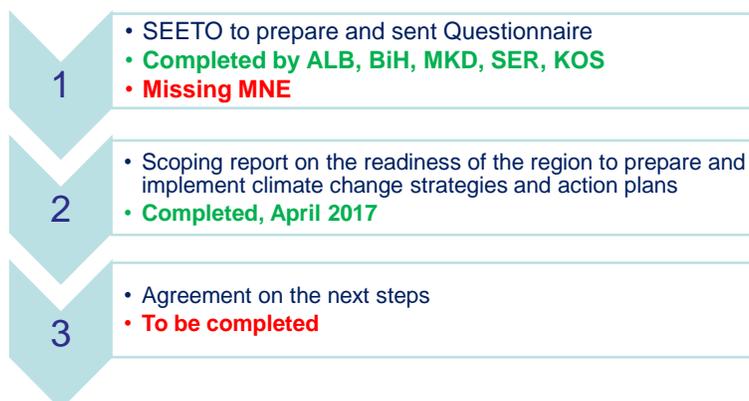
- Climate change is putting at risk the lives of millions of people worldwide, and millions in investments in transport infrastructure and services.
- A transport system that cannot withstand the emerging impacts of climate change will prove burdensome, impose high costs for repair, and cause significant economic losses.
- Action is needed to diagnose systemic weaknesses and adapt transport systems to withstand expected climate impacts such as changes in rainfall, flooding, and sea-level rise as well as extreme weather events.
- This requires a better understanding of existing vulnerability assessment tools, cost-effective engineering measures and technologies all designed to ensure robustness, redundancy and resilience are designed into road networks.



Scoping Phase

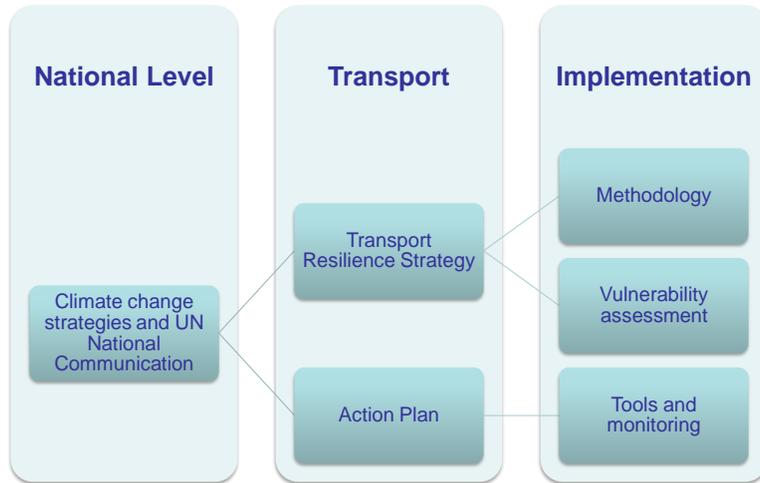
Scope: To take stock of the current development in the region regarding understanding and awareness of climate change issues and serve as a basis for future Consultants.

Progress made:





Scoping Phase Findings – Legal framework



Scoping Phase Findings – Legal framework

RP	Climate Change Strategy	Transport Resilience strategy
ALB	Under preparation	No Cross sectoral strategy ongoing
BIH	Yes	No Cross sectoral strategy ongoing
MKD	UN National Communications	No
MNE	UN National Communications	No data
KOS	UN National Communications	No
SER	UN National Communications	No Cross sectoral strategy ongoing

Scoping Phase Findings – Risk areas

- Landslides and unstable slopes along highways, main roads and railways;
- Transport infrastructure in the vicinity of river flows which can be affected by floods;
- Rising groundwater levels;
- Floods in spring and summer and snowdrifts in winter periods;
- Port infrastructure affected by climate changes;
- Airport runway and taxiway use and operational capacity is affected by severe weather conditions

Scoping Phase Findings - Obstacles

Main obstacles listed by the regional participants :

- Lack of knowledge
- Lack of guidelines and methodologies to assess vulnerability
- Lack of resources human, financial etc
- Lack of coordination between the ministry in charge of environment and transport ministry/institutions

Scoping Phase Findings – Ongoing projects

EBRD

BiH: FBiH “Technical assistance to assess climate risks, establish appropriate institutional structures and to formulate the Strategy on adaption to climate changes in road sector”

SER: “Analysis of Climate Risks to Road Transport Infrastructure in the Western Balkans”

World Bank

SER: Mainstreaming Climate Resilience in the Road Transport Management. The proposed vulnerability assessment methodology and recommendations for improvement of the road asset management will be piloted and tested on 250km

Recommendations

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Development of guidelines and methodologies to assess transport systems vulnerability to climate change
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Development of Resilience Action Plan for Core/Comprehensive Networks
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Carry out risk based vulnerability assessment for indicative extension of Core/Comprehensive TEN-T Networks in Western Balkans or pilot in one of the Core Corridors
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Development of Transport Resilience Strategies and Action Plans;
- 

Implementation of adaptation strategies, measures and techniques.

Discussions

Do you agree ?



Anything else to add ?



Thank you for your attention !

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