



SUSTAINABLE TRANSPORT



Climate change impact and adaptation for inland transport

84th session of the Inland Transport Committee

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Secretary, WP.5/GE.3
24 | 02 | 2022, Geneva

Climate change impact and adaptation for inland transport



This work is carried out in the Group of Experts on assessment of climate change impact and adaptation for inland transport under the Working Party on Transport Trends and Economics (2020-2025)

Driven by two key objectives:

- (i) raise awareness, build capacity and integrate knowledge from countries and the scientific community on climate change impact assessment and adaptation for transport, and
- (ii) further advance the state of knowledge, the analysis of climate change impacts on inland transport and identification of suitable and costs-effective adaptation measures

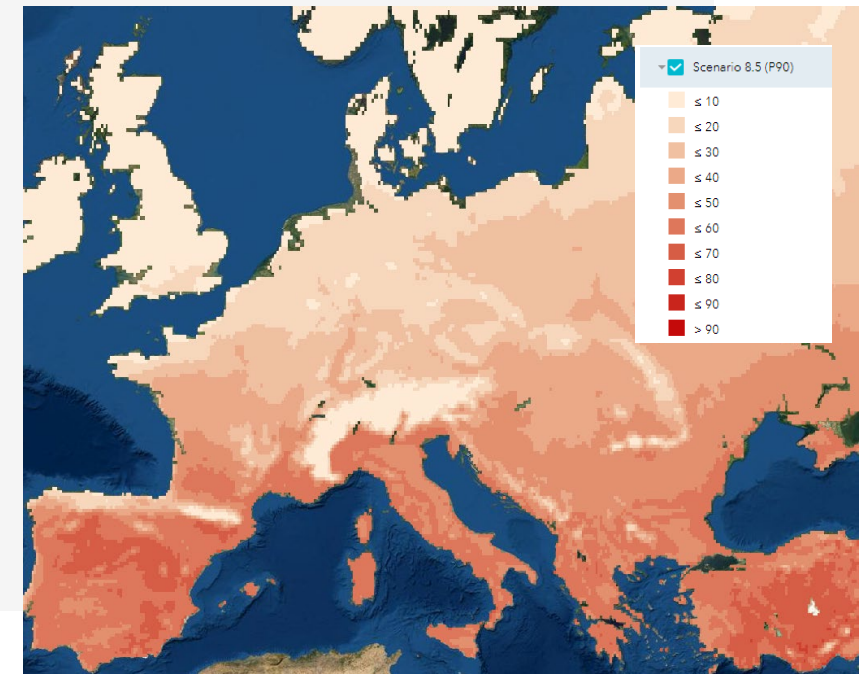
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■ Preparation of maps overlaying climate change projections and transport assets

- Identification of climate impacts of interests to transport professionals (indices and thresholds)
- Development of resource material to understand changing thresholds
- Guidance on network criticality assessment (criticality indicators)
- Possible guidance on network stress tests

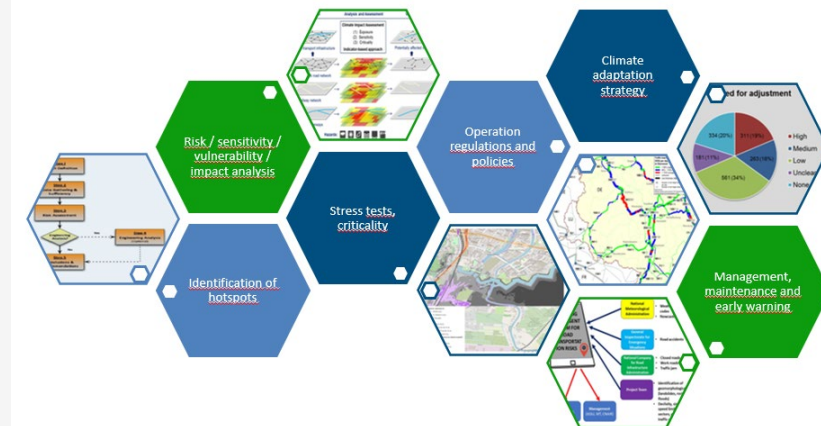


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- **Review of national projects**
 - Approaches, methodologies, practices, tools
- **Database with adaptation measures**
 - Review of what is available and gap analysis
- **Guidelines for integrating climate change considerations in planning and operational practices**
 - Business case for adaptation (economic losses vs adaptation costs)
 - From risk assessment to adaptation



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Awareness-raising activities



Assessment of Climate Change Impacts: Deployment of New Technologies and Materials for Maintaining Nominal Road Quality During Adaptation of Transport Infrastructure to Climate Change

“Moscow Conference”, 15-16 November 2021

Objective: raise awareness, share and integrate accumulated knowledge and experience in the field of climate change impact assessment on transport and adaptation for transport in the countries of Eastern Europe, Caucasus and Central Asia

**More than 150 participants (in-person or online)*

**Hosted by ROSDORNII, Road Research Institute of the Russian Federation, and supported by the Netherlands*





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Thank you!

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