

WORKING PARTY ON TRANSPORT TRENDS AND ECONOMICS (WP.5)



Activities of the Group of Experts on Assessment of Climate Change Impacts and Adaptation for Inland Transport (2020-2025)

WP.5/GE.5 Focus



- Preparation of final report
- Stress tests of transport systems to climate change hazard
- Promotion of adaptation pathways approach
- Analysis of losses due to climate change for transport
- Guide for transport network criticality assessment (in development)

Preparation of final report



Towards climate change resilient transport systems

- Report for policy makers (summary report)
- Technical report
 - A. Background
 - B. Introduction (including on costs and benefits of adaptation)

Part 1

Prescription of action on adaptation of transport to climate change

Part 2

Case studies on specific action in countries

Preparation of final report



Towards climate change resilient transport systems

Part 1

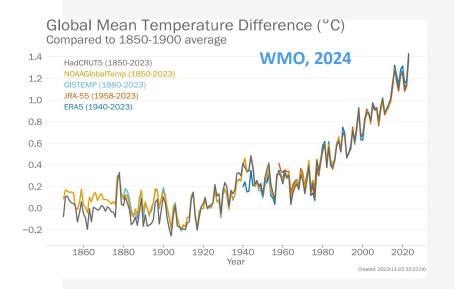
- Climate Variability and Change observed changes and projected trends
- Existing international and national policies and legislation for acting on adaptation of climate change in transport
- Methodologies for assessing climate change hazards on transport systems
- Effective adaptation of transport systems and assets to climate change
- Lessons learned and recommendations

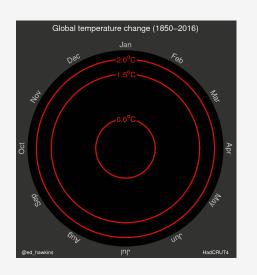
Part 2

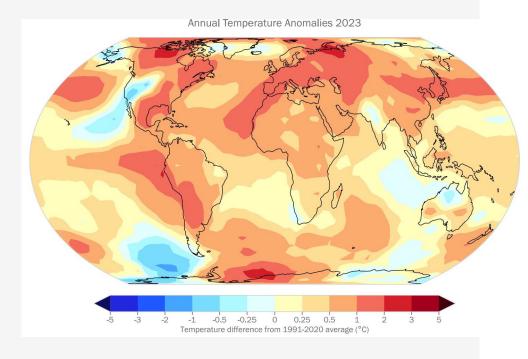
- Application of methodologies for assessing climate change hazards on transport systems
- Application of adaptation measures

Observed changes and projected trends





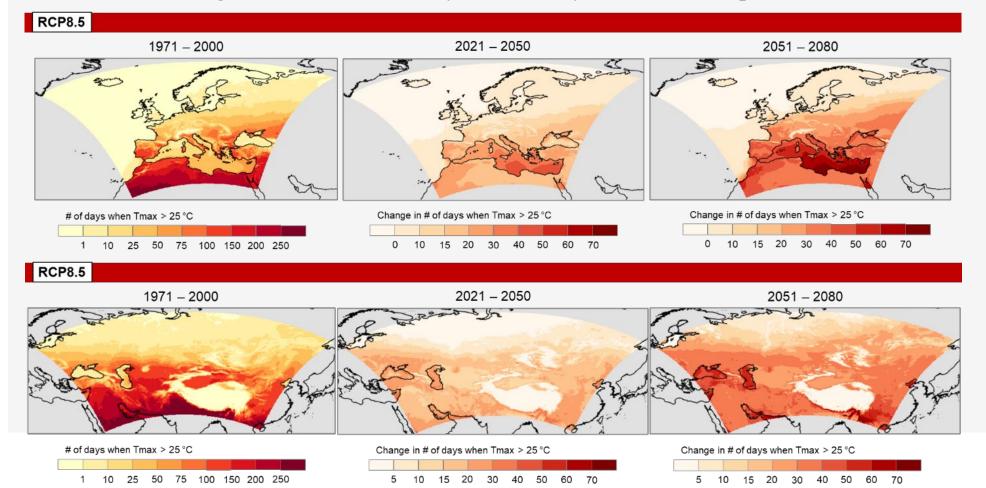




Observed changes and projected trends







Other thresholds:

- > 32°C
- > 43°C

Other hazards:

- precipitation
- windstorms

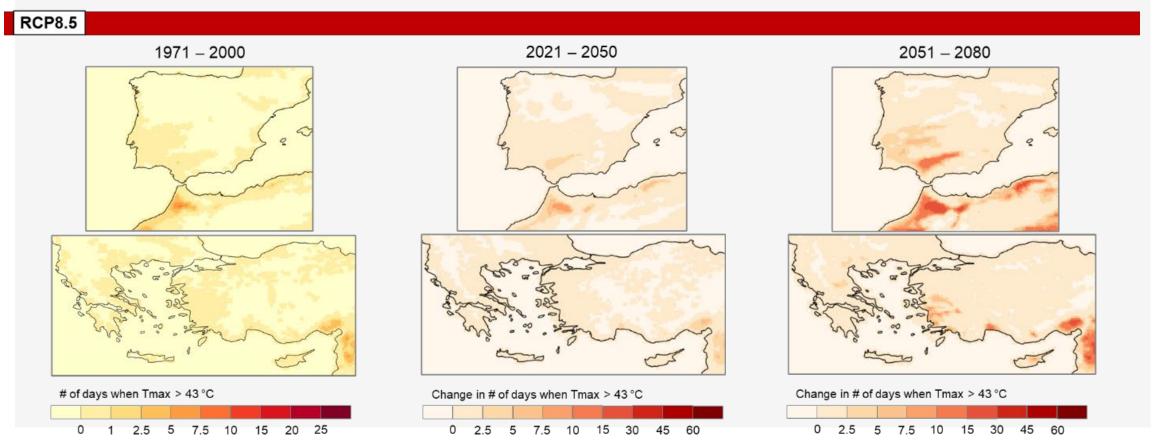
Fucus:

- Europe
- Central Asia
- North America

Observed changes and projected trends



Mean annual change in the number of days when daily maximum temperature > 43°C



Stress test / good practice sharing



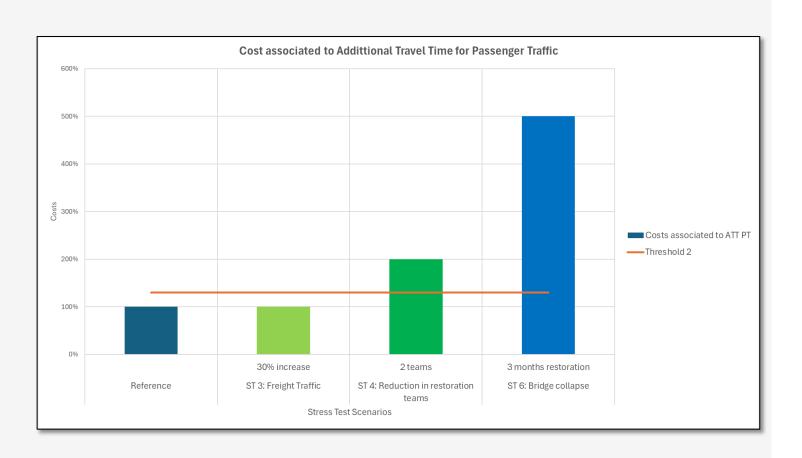




Stress test / good practice sharing



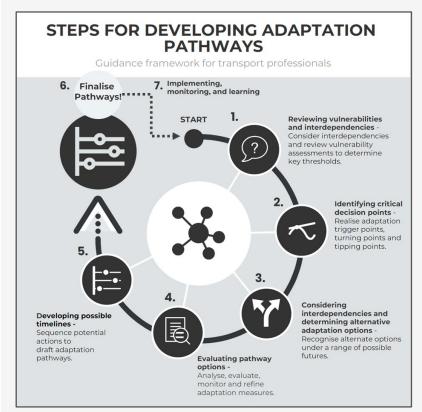


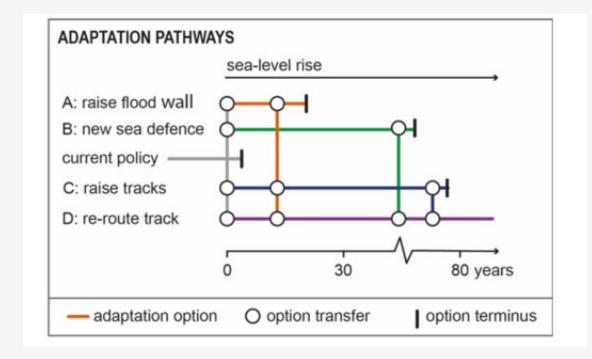


Adaptation pathways/ good practice sharing



Guide for adaptation pathways in transport





Analysis of losses due to climate change for transport



Discussion on ways to facilitate analysis of losses

Brainstorming on needs to develop:

- Elaboration of a glossary of common terms for data/incident reporting?
- Elaboration of a guide on thresholds?
- Elaboration of a data incident report form

WP.5/GE.5 Other aspects



Guide for transport network criticality assessment in preparation

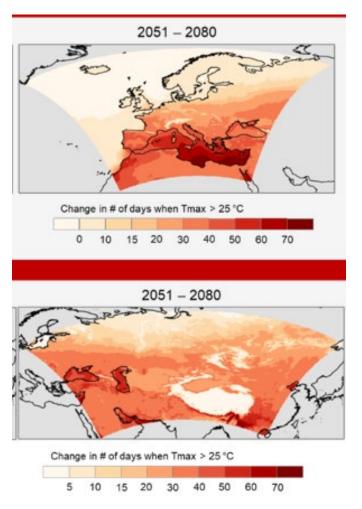
Commencement of a discussion on how to continue the work on climate change adaptation – more permanent body ⇔ implementation of adapt actions of the ITC climate action plan

Discussion on a UN climate change transport adaptation hub

Next, 27th session on 1-2 October 2024 in Geneva

WP.5/GE.5 Decisions





WP.5 may wish to:

- Take note of the progress report
- Welcome the publication of the stress test framework
- Request the publication of the guide for adaptation pathways in transport
- Request formulation of a proposal for a more permanent body on transport climate change adaptation in support of the implementation of the adapt actions of the ITC Climate Action Plan