

UNECE E-ROAD and E-RAIL CENSUSES

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*WP.5/GE.3 Group of Experts on Climate Change Impacts and
Adaptation for Transport Networks and Nodes*

Geneva, 27-28 March 2017



Overview

- **WP.6 Introduction**
- **E-Road Census**
 - **Geospatial dissemination**
- **E-Rail Census**
 - **Geospatial Dissemination**



Working Party 6: Introduction

WP.6: A forum for inland transport statistics under the Inland Transport Committee, dealing with:

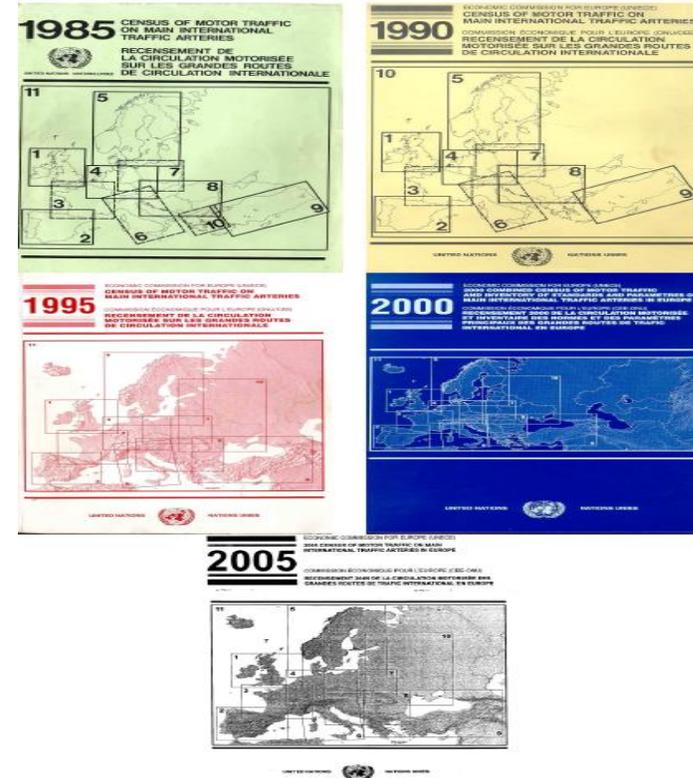
- Methodology development and harmonization
- Compilation and dissemination of data for 56 UNECE member States, on all inland transport modes
- Capacity building activities

Next Meeting: 7-9 June, Geneva



E-Road Census: a long tradition

- **Unique international road census, providing comparable data on traffic flows on main European roads**
- **Important tool for transport policy**
- **Mandate: E-Road network in Annex I of the European Agreement on Main International Traffic Arteries (AGR) of 1975 + Amendments**

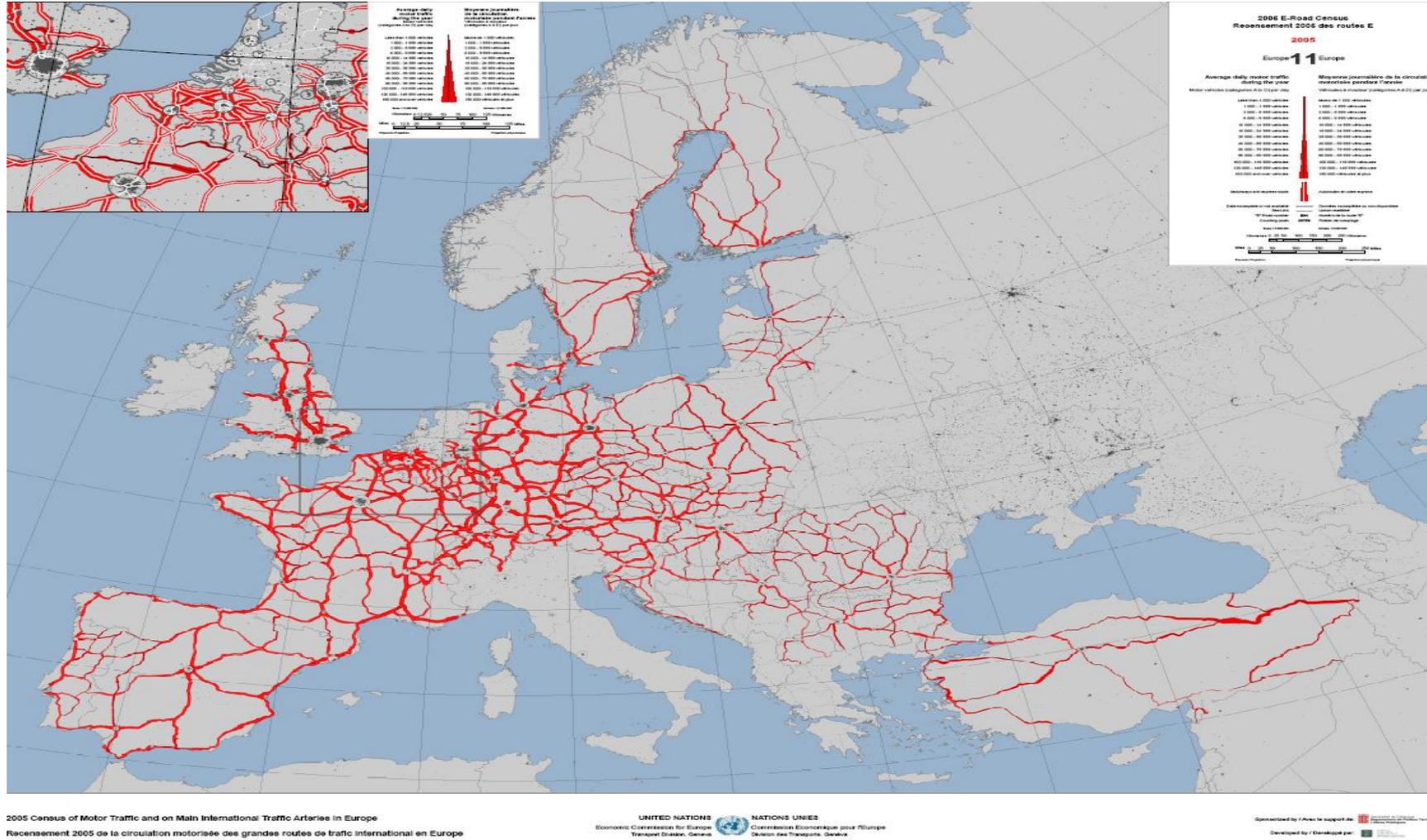


E-ROAD Tables

- Total length of E-Roads by width and number of carriageways and lanes
- **E-Road sections' average annual daily traffic (AADT)**
- Counting posts on E-Roads
- Distribution of motor traffic by vehicle category
- Specific usage of roads (traffic at night, holidays, peak hours)

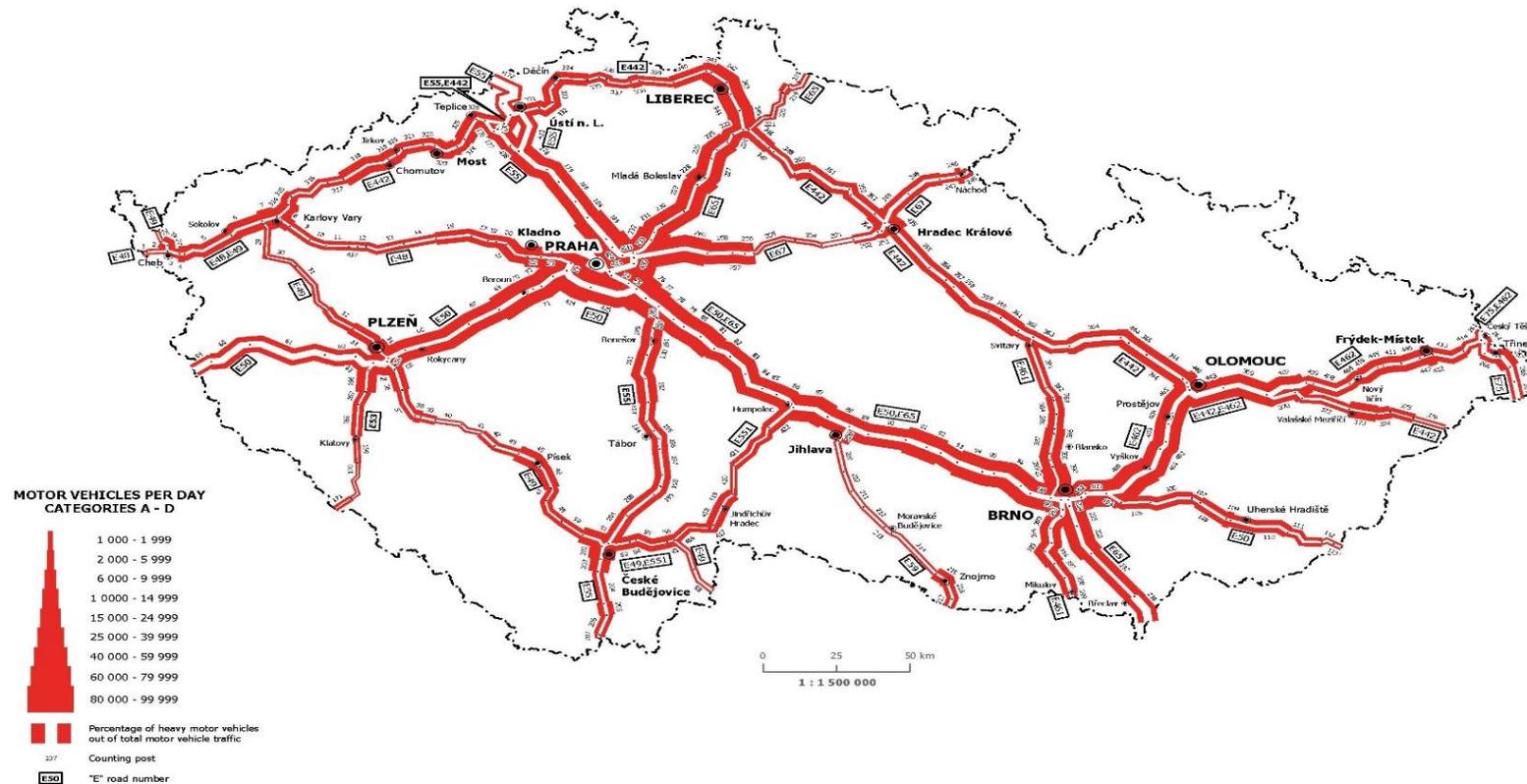


E-Road: European map (2005)

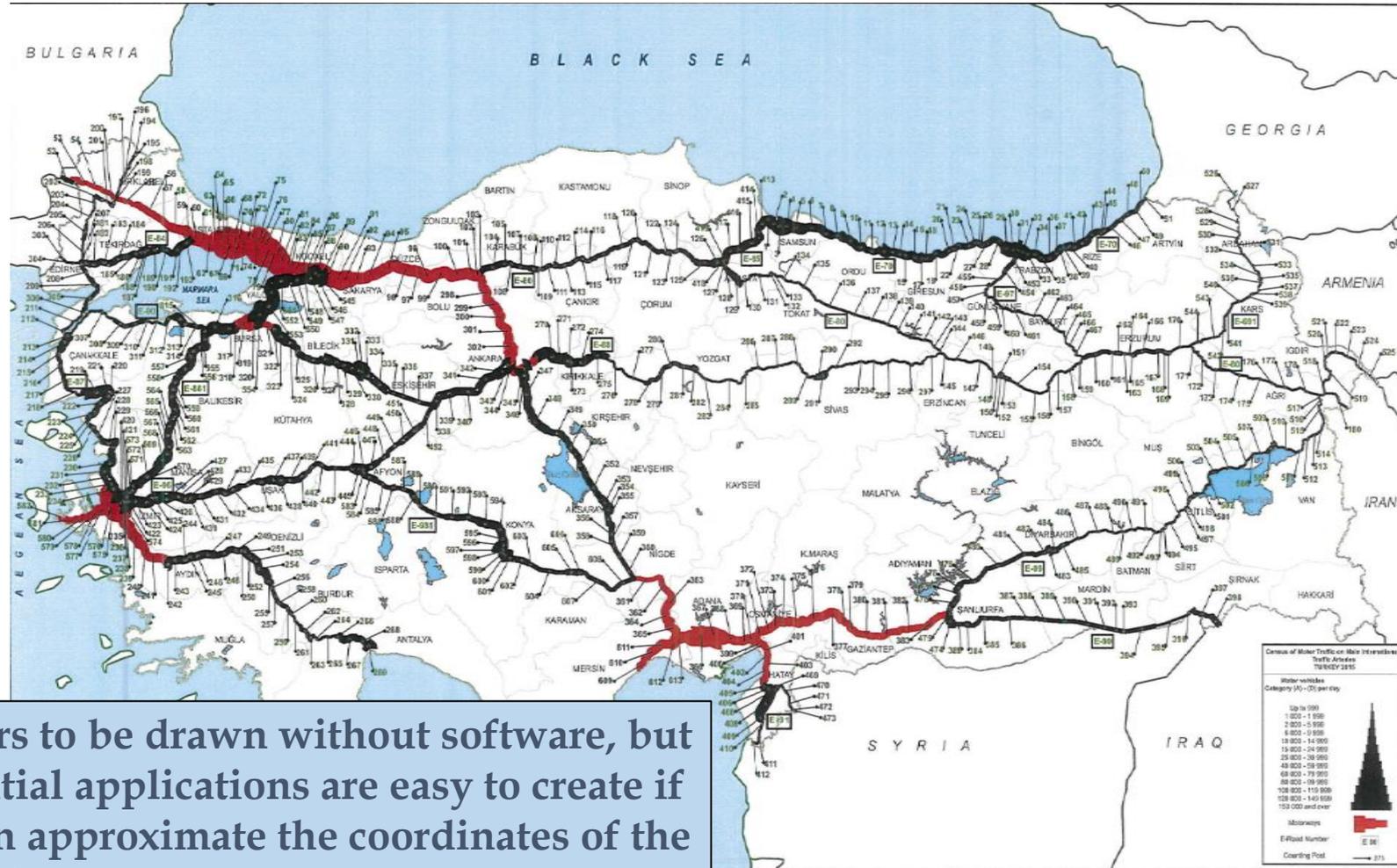


E-Road: Czechia 2016*

CENSUS OF MOTOR TRAFFIC ON THE CZECH REPUBLIC E-ROADS IN 2016



E-Road: Turkey 2015



Appears to be drawn without software, but geospatial applications are easy to create if you can approximate the coordinates of the measuring posts

E-Rail Census: Mandate

- **1st Census was 2005. Deadline for 2015 data is June 2017**
- **Lines in the European Agreement on Main International Railway Lines (AGC) of 1985**
- **Lines in the European Agreement on Important International Combined Transport Lines and Related Installations (AGTC) of 1991**
- **For EU countries, lines in the Trans-European rail network (TEN) (Decision 1692/96/EC)**



Characteristics of E-Railway lines

- **Information on**
 - **volume and distribution of rail traffic**
 - **the technical characteristics of the rail network (e.g. electrification)**
 - **Stock situation at the end of reference year**



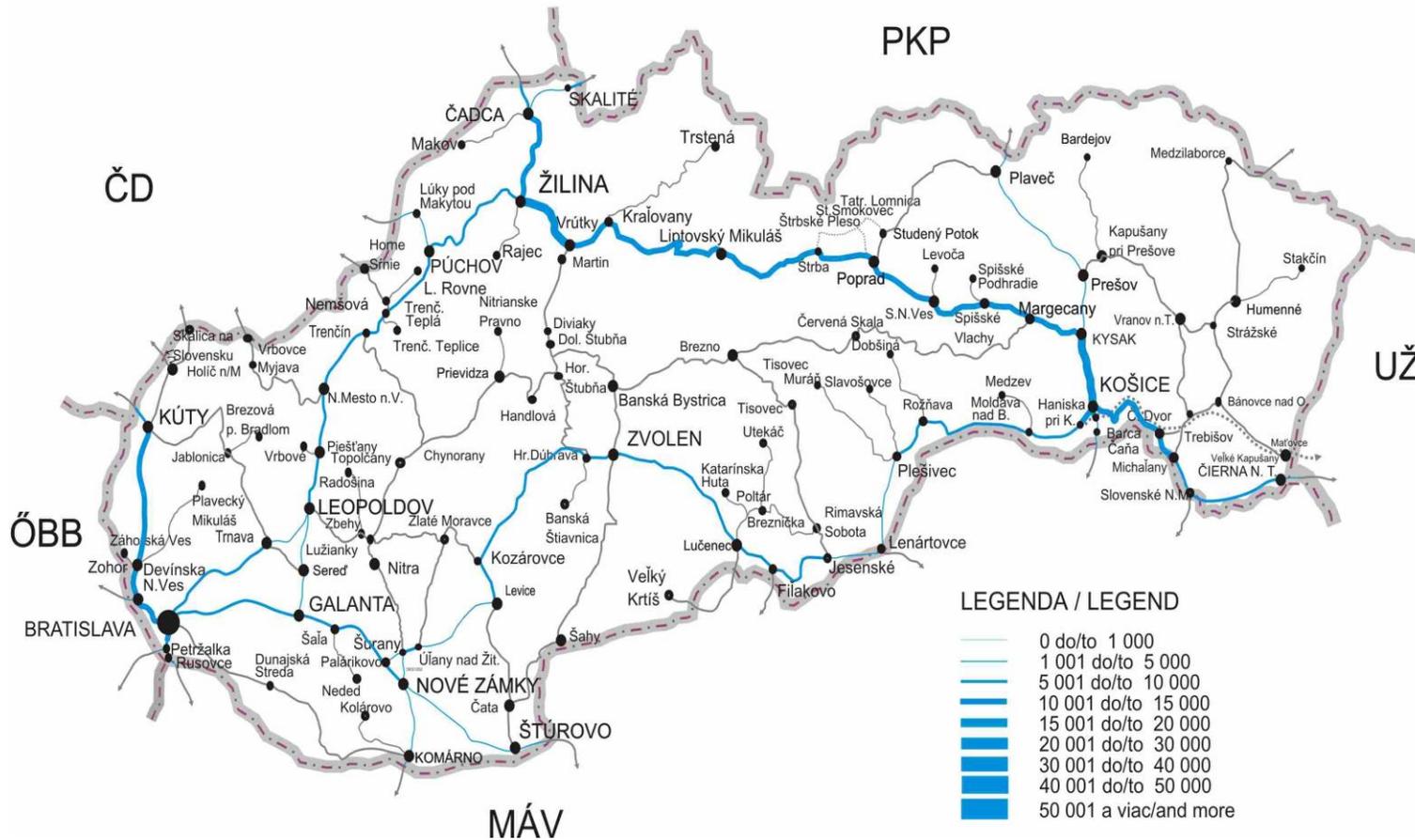
E - Rail Traffic Census 2010

Traffic flows on the rail network 2010
Dopravné prúdy na železničnej sieti 2010

Railway lines AGC, AGTC and TEN
Železničné trate AGC, AGTC a TEN

Goods trains
Nákladné vlaky

The Slovak Republic
Slovenská republika



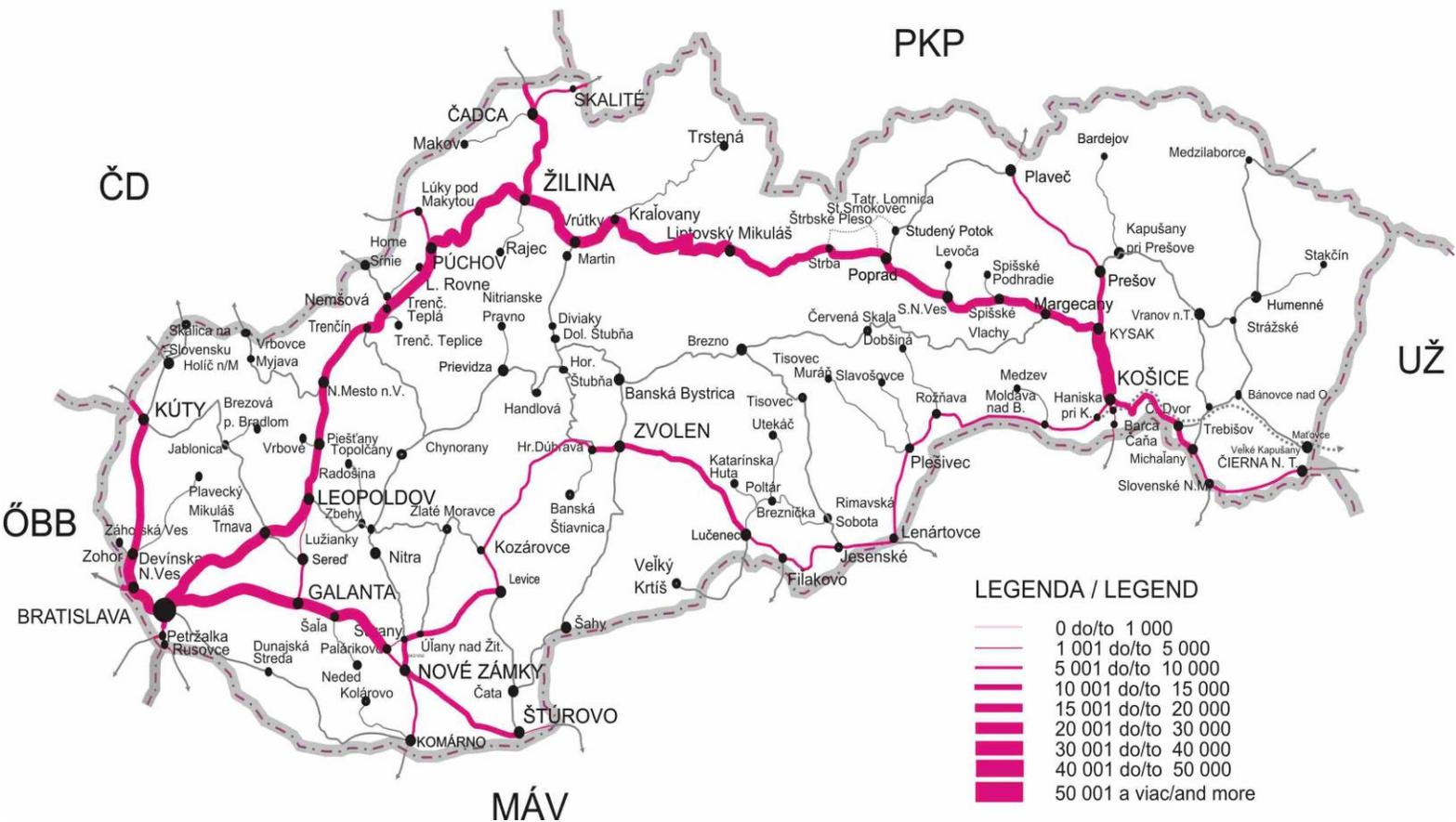
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Traffic flows on the rail network 2010
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Railway lines AGC, AGTC and TEN
Železničné trate AGC, AGTC a TEN

Passenger trains
Osobné vlaky

The Slovak Republic
Slovenská republika



LEGENDA / LEGEND

	0 do/to 1 000
	1 001 do/to 5 000
	5 001 do/to 10 000
	10 001 do/to 15 000
	15 001 do/to 20 000
	20 001 do/to 30 000
	30 001 do/to 40 000
	40 001 do/to 50 000
	50 001 a viac/and more

Summary

- Censuses publish key traffic flows mapped for road and rail by volume
- Most countries map these data anyway
- Further info:
 - Road 2010: https://www.unece.org/trans/main/wp6/e-roads_census_2010.html
 - Rail 2010: https://www.unece.org/trans/main/wp6/e-rails_census_2010.html
 - UNECE working on mapping the 2015 results.
 - Pan-European maps available for 2005, https://www.unece.org/trans/main/wp6/e-roads_census_2005.html and https://www.unece.org/trans/main/wp6/e-rails_census_2005.html.





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Reduced GHG emissions

Reduced air / noise pollution

Increased P.T. Mobility Choices

Zero traffic fatalities and injuries

Efficient transport services

Enjoyable walking and cycling

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 Inland Transport
 WE WANT!*

