



**TAKING
COOPERATION
FORWARD**

-  Digital final conference | 9-10 March 2022
-  **Pilot activity for the development of attractive multimodal logistics locations in the territory of South Moravia and Southwest Slovakia**
-  **Mgr. Filip Polonský, Ph.D. | GIS Analyst & Regional Geographer | Institute of Spatial Planning**

SCOPE OF THE PILOT ACTION

Main objectives

- to model the development of the TEN-T/RFC network, with an emphasis on the railway lines (by 2050) - in the territory of CE CENTROPE region
- to determine the potentially most suitable locations of attractive inter/multimodal logistics centres - hubs (IHUBs) and to elaborate profiles for their development - in South Moravian Region and SW Slovakia



CHALLENGES ADDRESSED

Main starting points

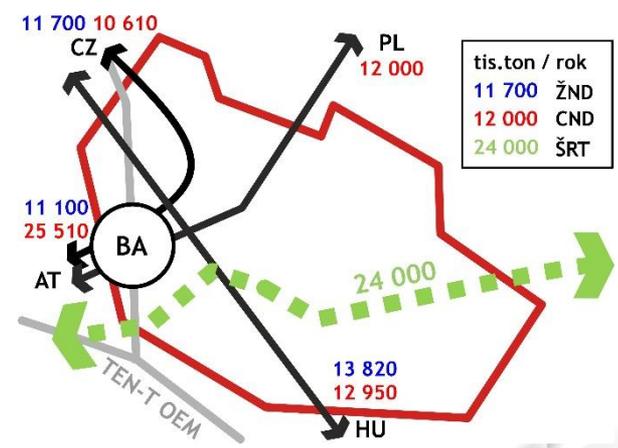
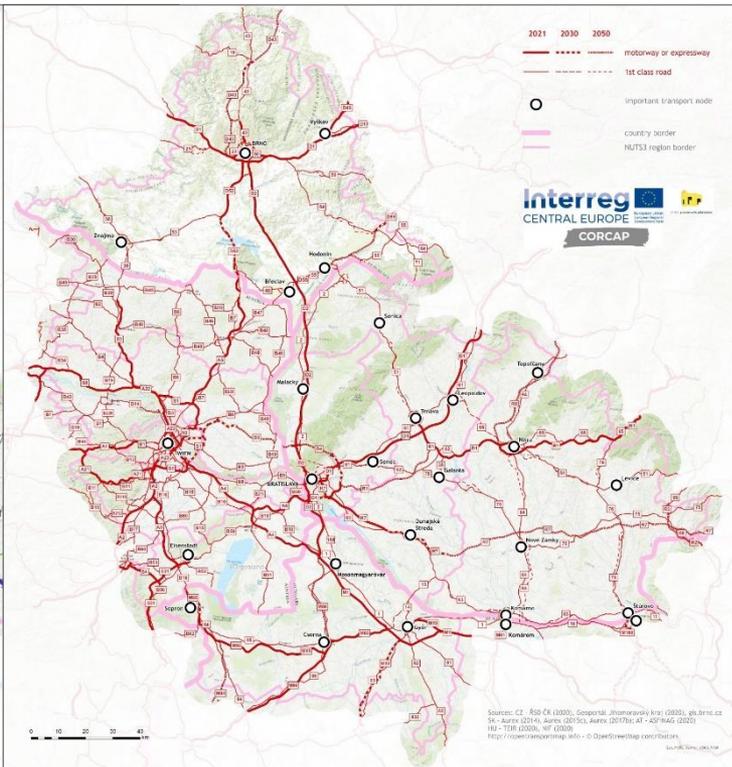
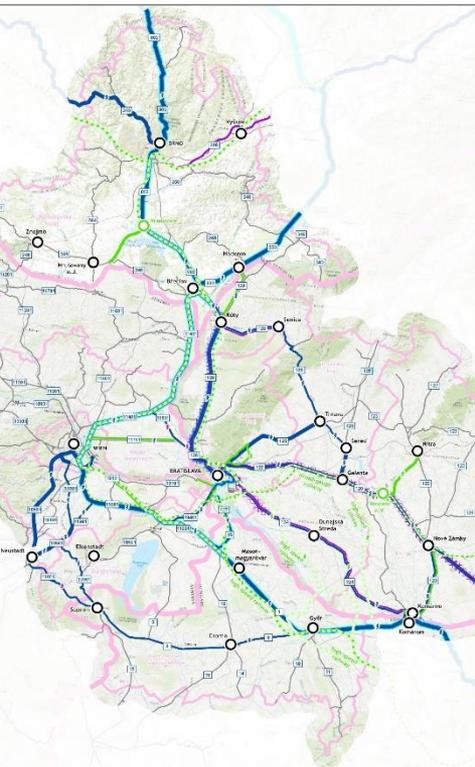
- Higher number of cross-secting transport corridors (TEN-T, RFC)
- Unfavourable ratio of the modal split
- Brno & Bratislava:
 - Massive suburbanization processes with spill across the border (AT, HU)
 - Main railway corridor passes through densely urbanized areas
 - Main bottlenecks of the region



PROCESS AND ACTIVITIES REALISED

1. Modelling of transport development

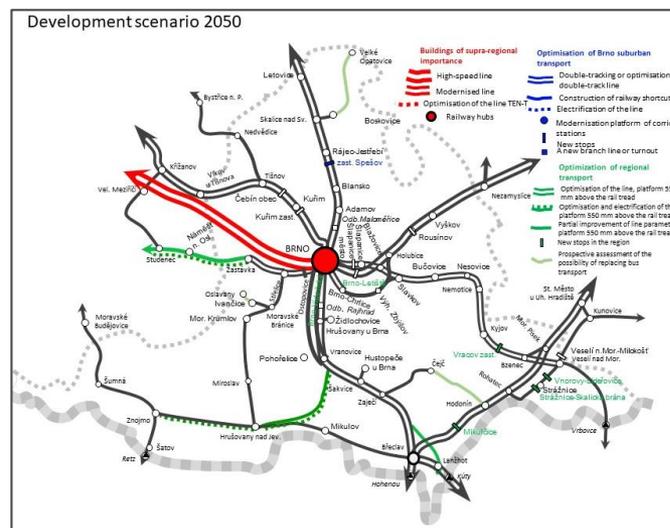
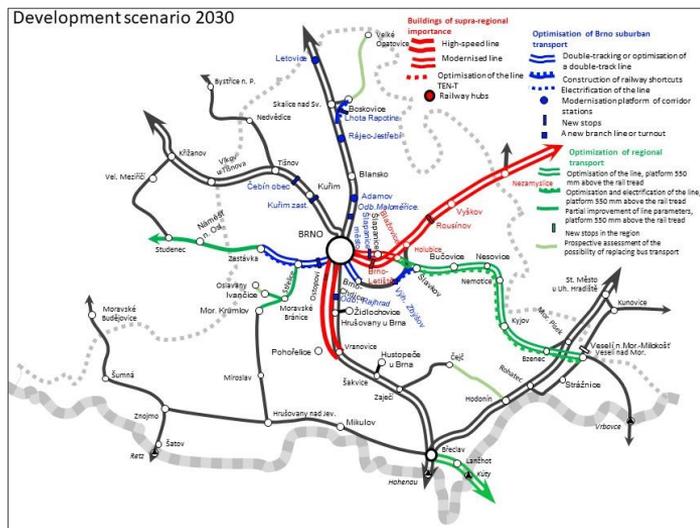
1a) Mapping of Road and Railway Transport Development in CE CENTROPE



PROCESS AND ACTIVITIES REALISED

1b) Development Scenarios in South Moravian Region (SMR) by 2050

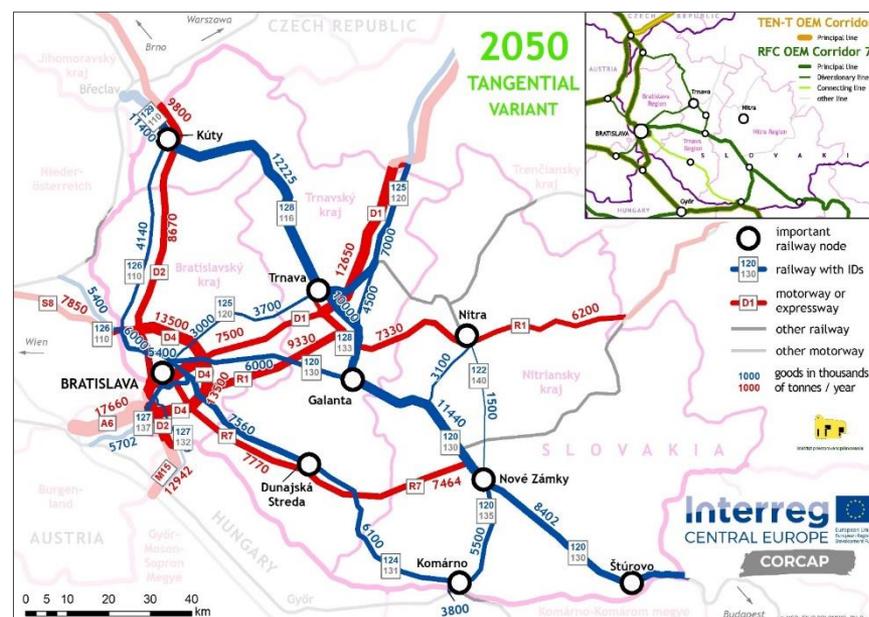
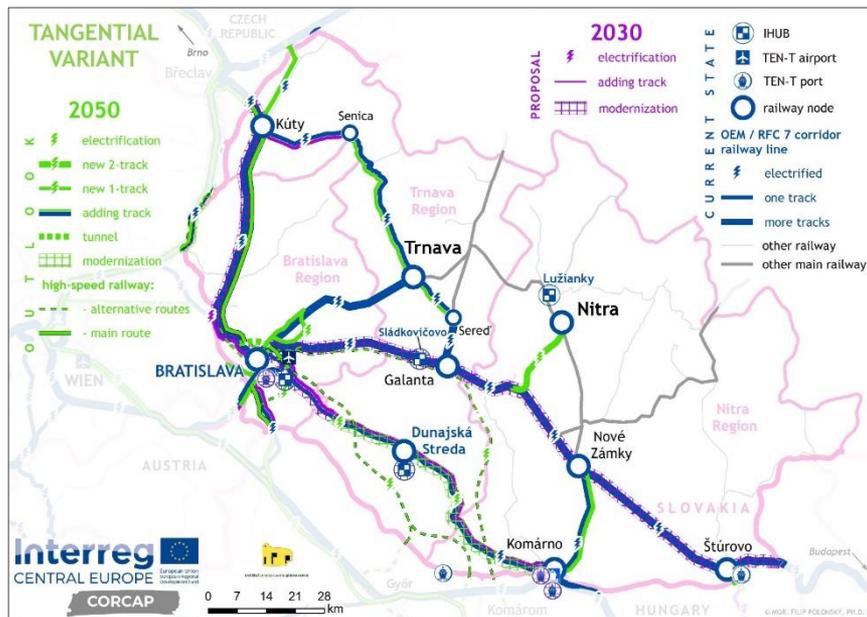
- Analysis of rail freight transport in the Czech Republic
- Quantitative survey of long-distance road freight transport in the SMR
- Qualitative survey of remote road freight transport in the SMR
- Scenarios of transport development in the SMR



PROCESS AND ACTIVITIES REALISED

1c) Development Scenarios SW Slovakia by 2070

- Quantitative analyses [density of trains/lorries (mil.t/year), extent of railway lines utiliz.(%)]
- Scenarios of transport development in the SW Slovakia - variant approach



RESULTS ACHIEVED

1c) Development Scenarios SW Slovakia by 2070

A variant-based Approach

2030

2040

2050

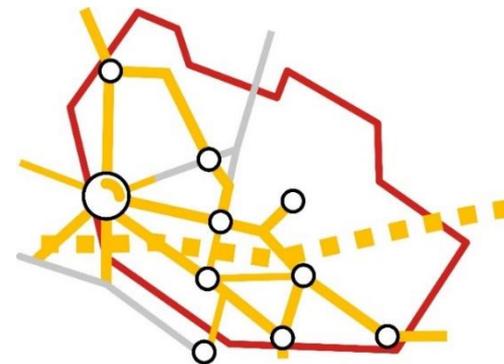
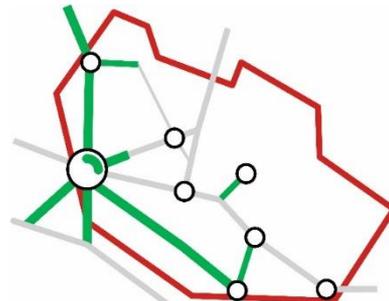
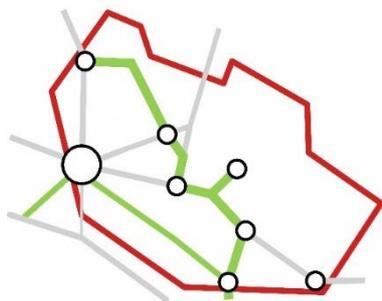
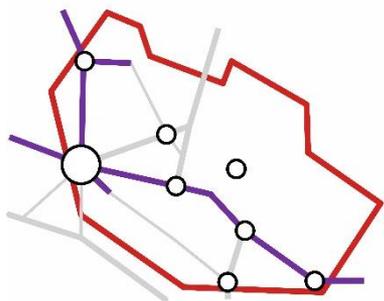
2070

**VARIANT 1 -
PREPARATORY STAGE**

**TANGENTIAL
VARIANT**

RADIAL VARIANT

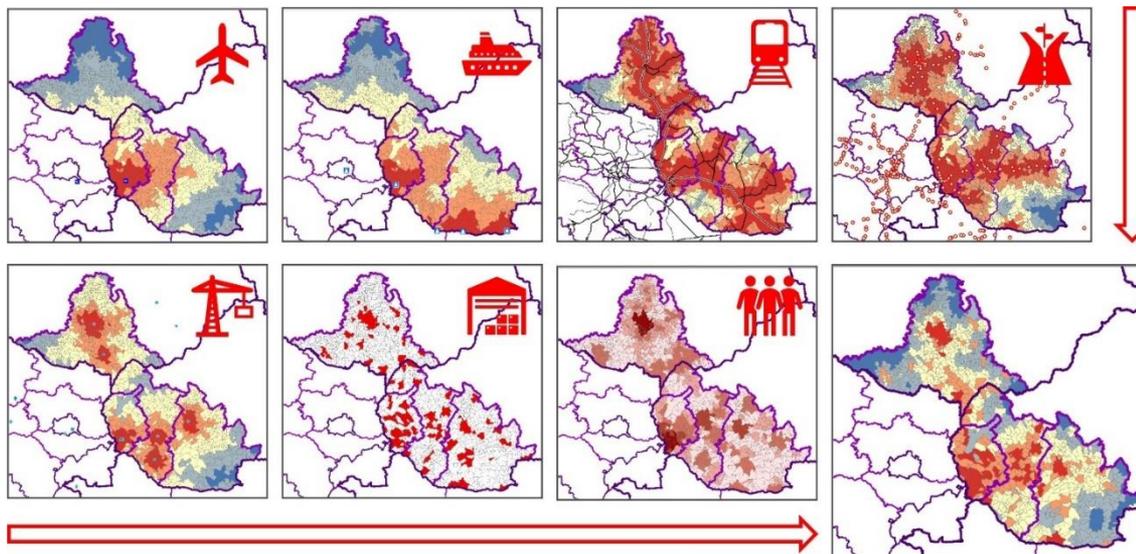
**TANGENTIAL-RADIAL
VARIANT**



PROCESS AND ACTIVITIES REALISED

2. ACCESSIBILITIES AND MULTICRITERIAL ASSESSMENTS

2a) Accessibilities analyses in the CE CENTROPE in 2020 & 2050



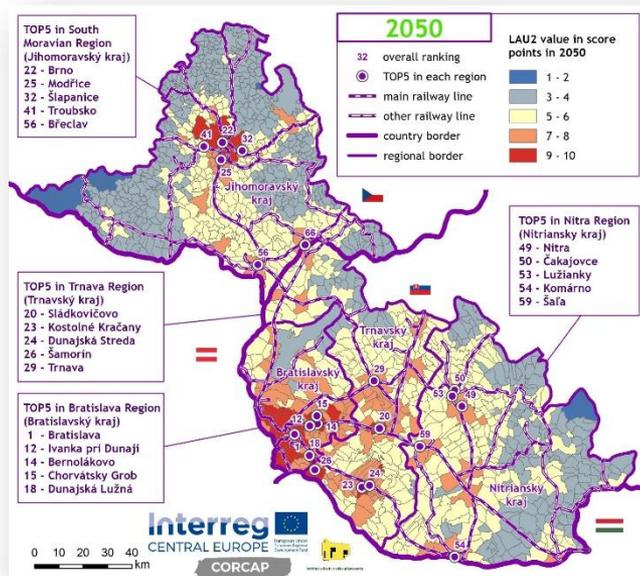
PROCESS AND ACTIVITIES REALISED

2. ACCESSIBILITIES AND MULTICRITERIAL ASSESSMENTS

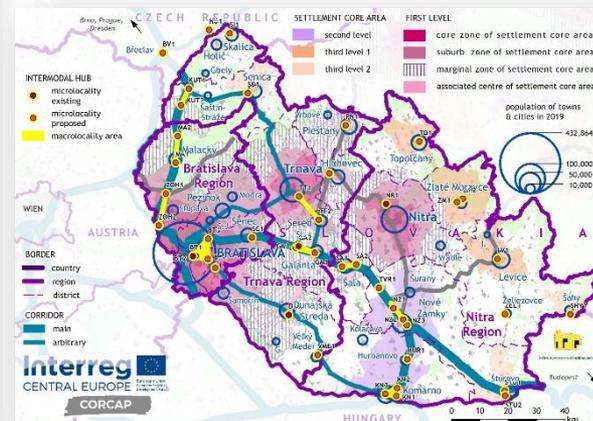
2b) Identification of attractive multimodal logistics locations in SMR and SW Slovakia:

- 1st stage
- 2nd stage
- profiles for development of identified IHUBs
- WMA - web mapping application
- some thoughts on hierarchization-

1st stage



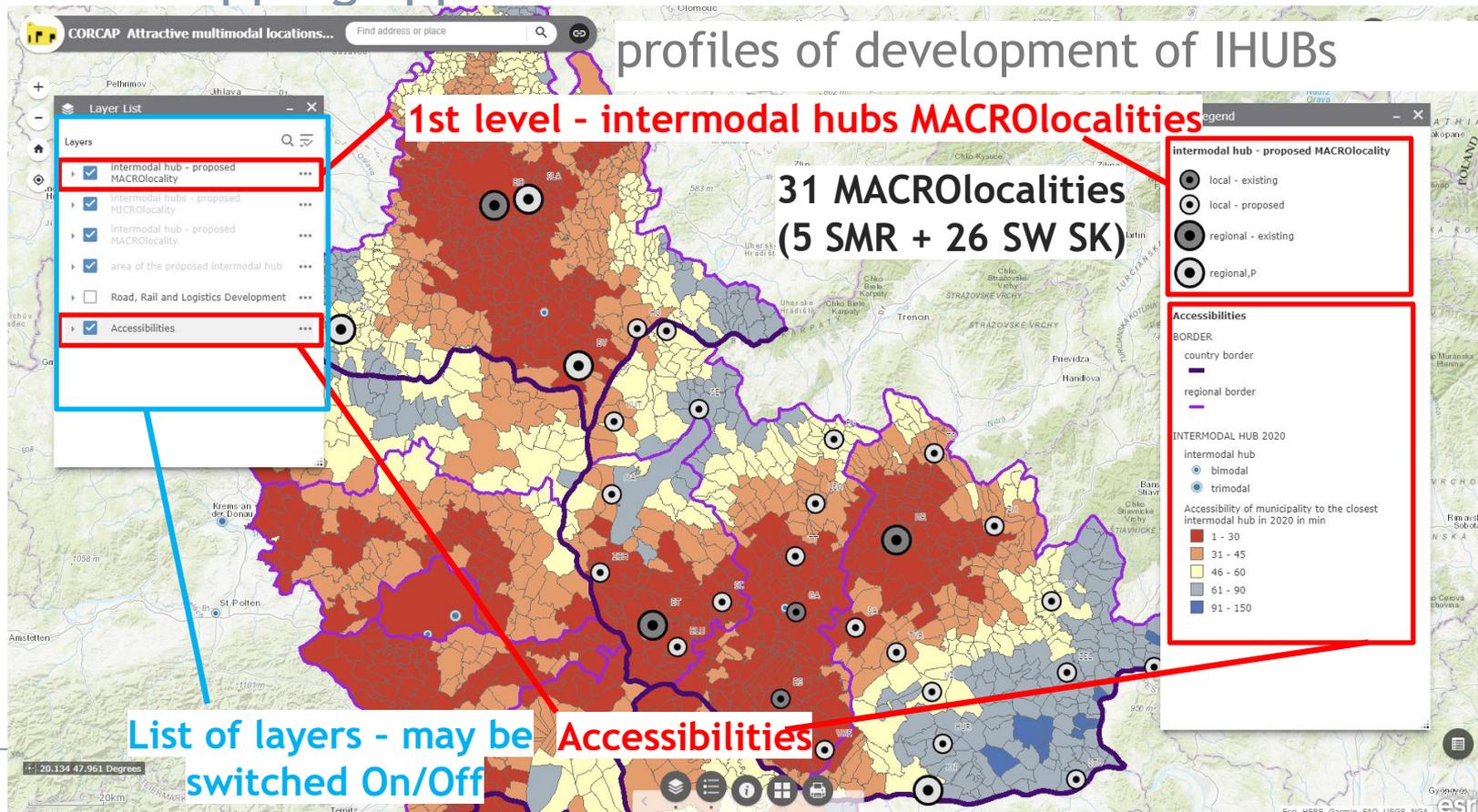
2nd stage



RESULTS ACHIEVED

Web mapping application

www.ipp-oz.sk/corcap



1st level - intermodal hubs MACROlocalities

31 MACROlocalities
(5 SMR + 26 SW SK)

List of layers - may be switched On/Off

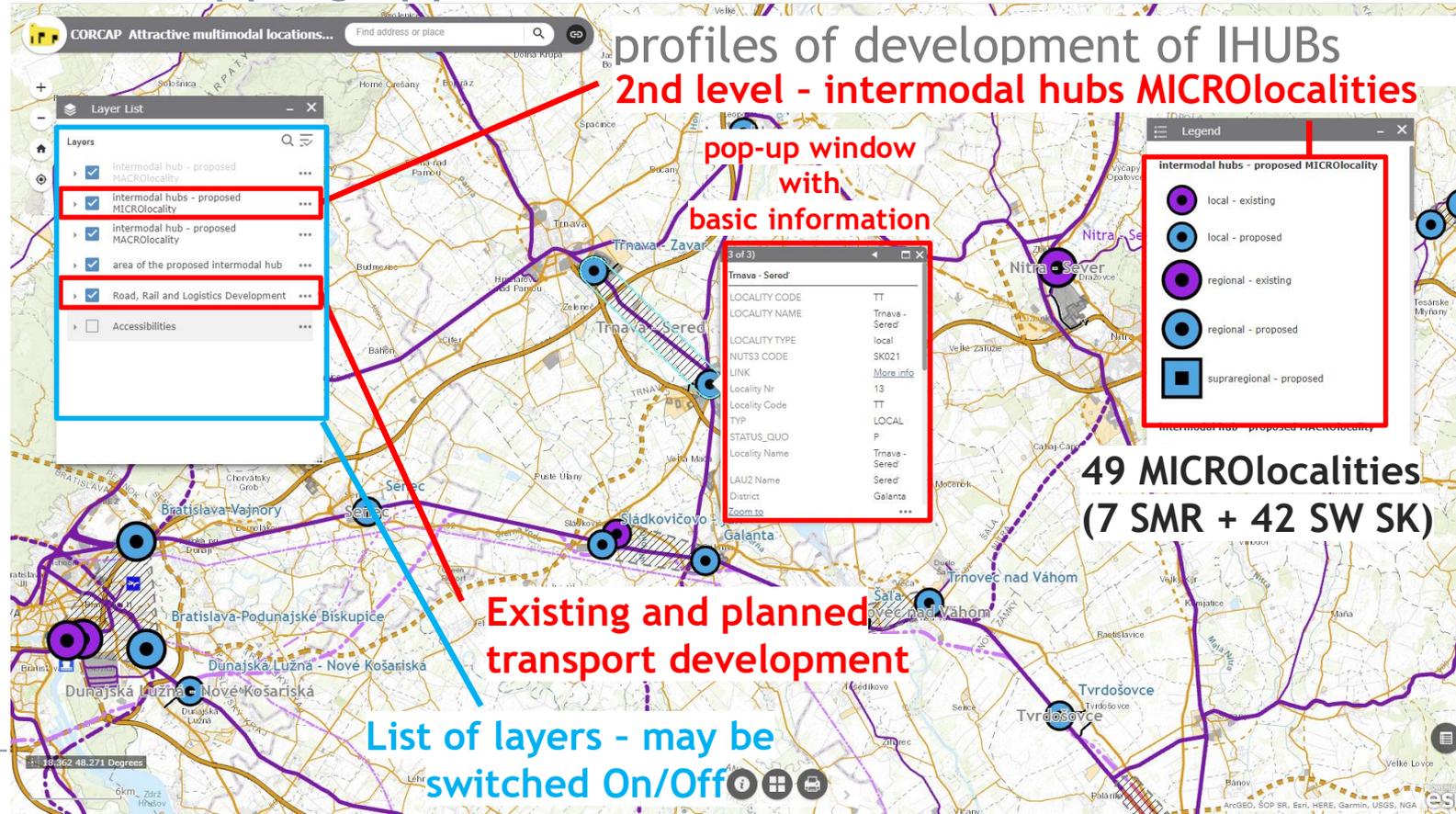
Accessibilities



RESULTS ACHIEVED

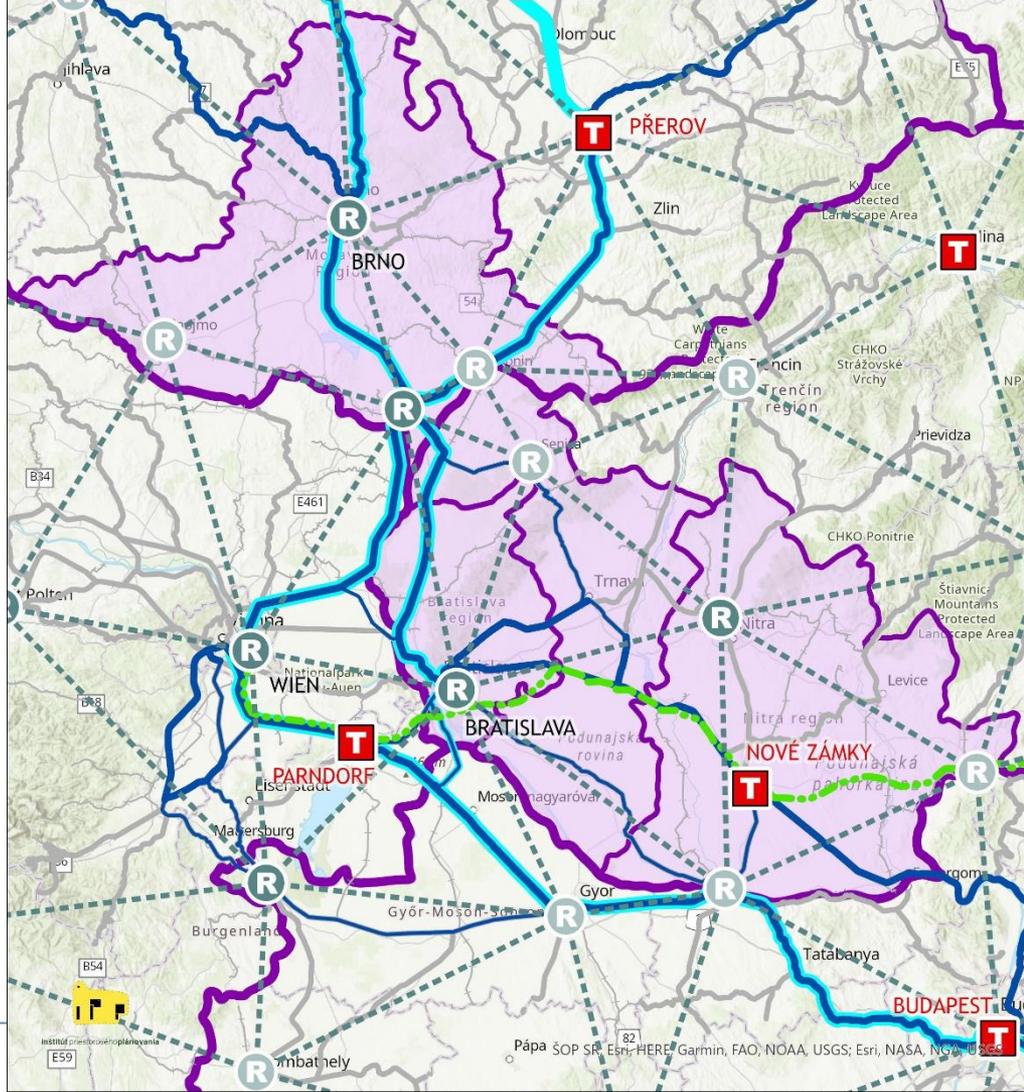
Web mapping application

www.ipp-oz.sk/corcap



LEARNINGS AND FOLLOW-UP

Some thoughts on hierarchization



LEGEND

existing IHUB

 regional

IHUB proposed

 regional

 transregional

 regional network

railway line

 main

 arbitrary

 broad-gauge (outlook)

 country border

 NUTS3 border

0 10 20 30 40 50 km

Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund

CORCAP

LEARNINGS AND FOLLOW-UP

Some recommendations

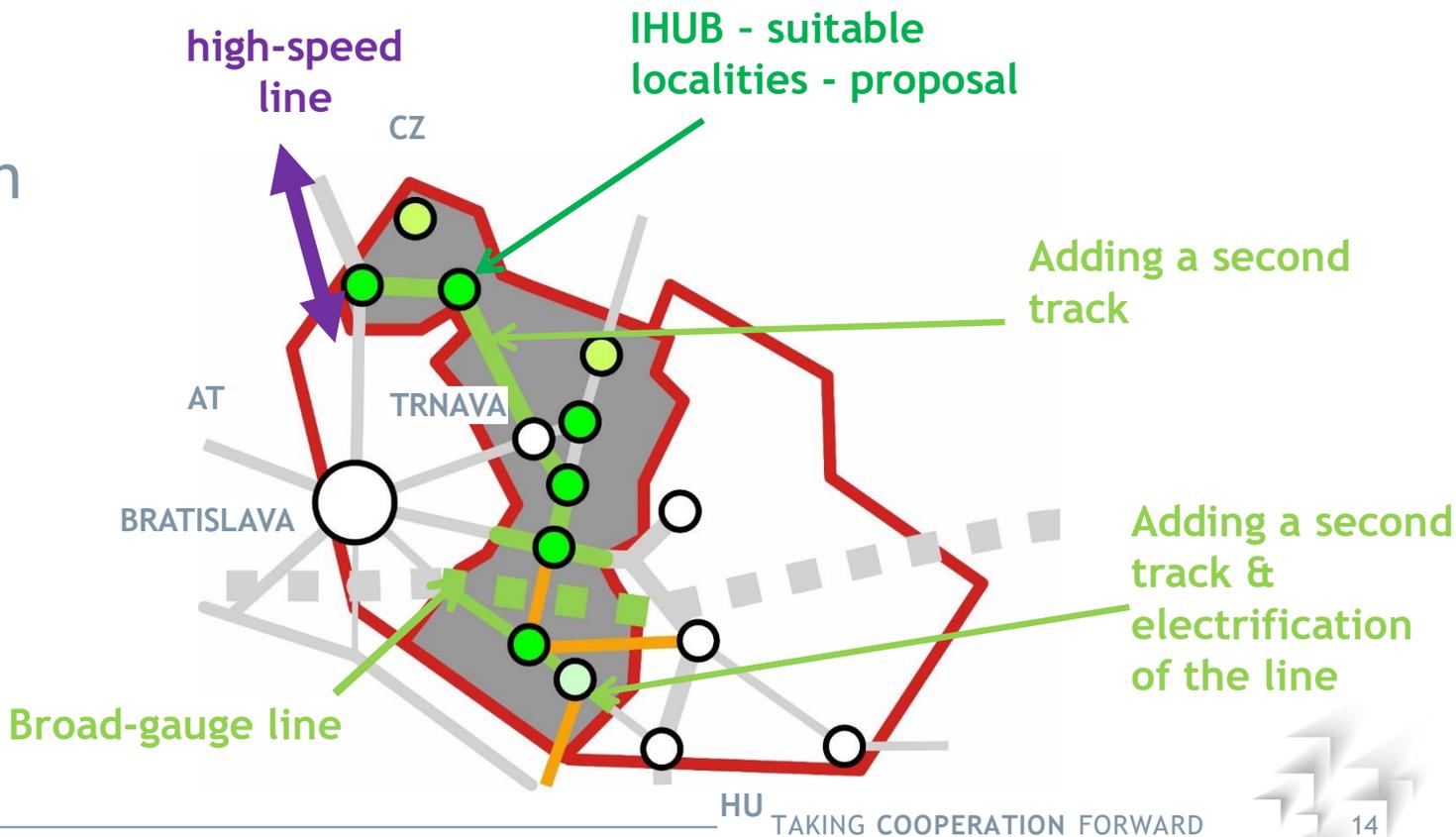
We recommend:

- developing freight rail infrastructure in stages
- ensuring the implementation of high-speed railways
- developing a system of intermodal hubs (IHUBs) and associated logistics centres
- elaboration and updating of relevant planning documents



LEARNINGS AND FOLLOW-UP

Application
of results -
Trnava Region
example



THANK YOU FOR YOUR ATTENTION!



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