

# Kick-off 5G Corridor Munich-Prague

## Financing of 5G Projects

3. 2. 2021



MINISTRY OF  
INDUSTRY AND TRADE

David VALICEK  
Section of EU Funds



# Areas for 5G support

- ➔ **Research and develop the new technologies**
- ➔ **Innovate - adoption/uptake of the technology in enterprises to produce new products or improve the business processes/services (automotive, transportation, telco, ICT)**
- ➔ **Build the smart infrastructure**

investment

with impact on the territory of the Czech Republic



Czech  
Republic  
**The Country  
For The Future**

# Financing Options

	R&D	Innovation (technology adoption)	Building the infrastructure
Horizon Europe	SME/LE		
European Regional Development Fund (ERDF)	SME/LE	SME/SMC	SME/LE
Recovery and Resilience Facility (RRF)	SME/LE	SME	SME/LE
Connecting Europe Facility (CEF)			SME/LE
InvestEU	SME/MC	SME/SMC	SME/MC

SME ... small and medium enterprises

SMC ... small mid-caps

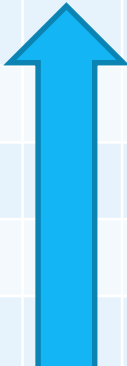
MC ... mid-caps

LE ... large enterprises



# European Regional Development Fund

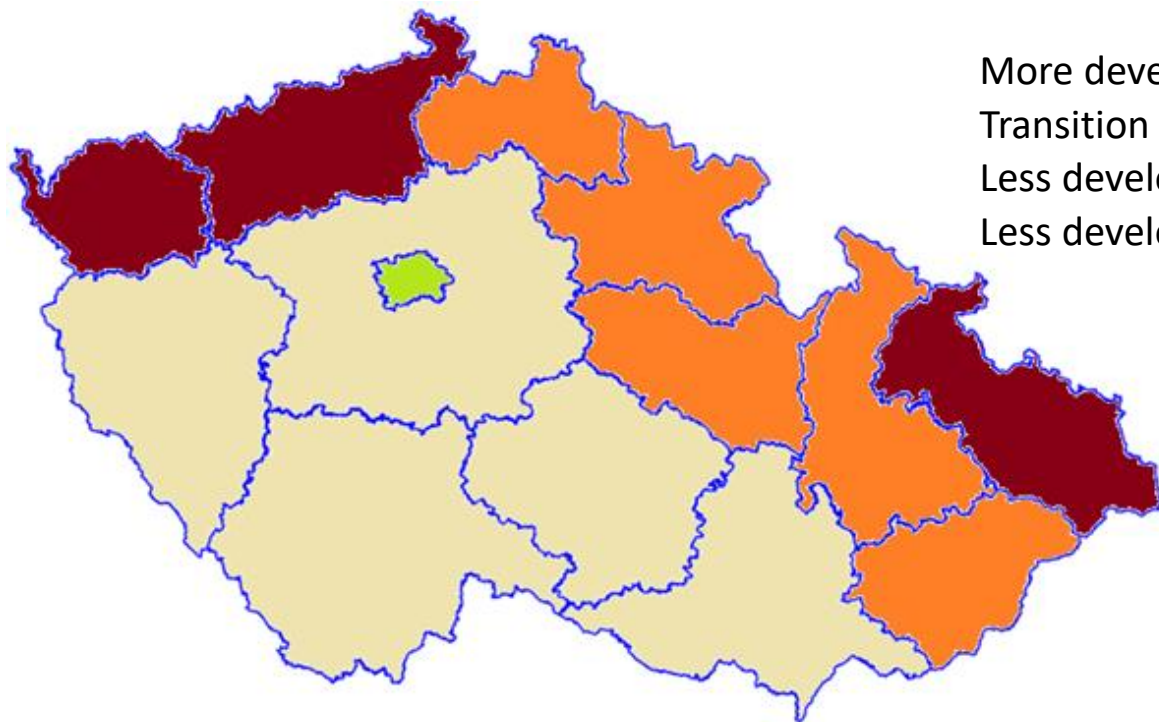
## OP Technology and Applications for Competitiveness, PO1 - Smarter

	Programme	TRL	Beneficiary (Description/Example)
B	3 Infrastructure building		ICT Operators (building costs, optic fibre)
I	1.2 Digital Enterprise/Industry 4.0		SME (digitisation - implementation)
I	1.1 Innovations		SME (technology transfer - serial production)
R	1.1 Applications		SME/LE (innovative product development)
R	1.1 Potential		SME/LE Industrial R&I equipment

e.g. ICT systems development

Advisory, DIH, development of competencies for enterprises, innovation .... Cross

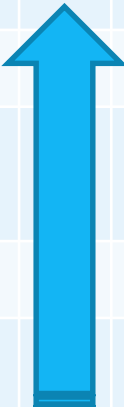
# Categories of Regions – Level of support



	ERDF	
More developed regions	X	not OP TAC
Transition regions	70%	
Less developed regions	85%	
Less developed coal regions	85%	+ JTF

# Recovery and Resilience Facility

	Component	TRL	Beneficiary (Description/Example)
B	1.3 Digital high-capacity networks		ICT Operators (building costs, optic fibre, 5G corridor specific measures)
I	1.5 Digital transformation of enterprises		SME (digitisation - implementation)
I	5.2 Innovations		SME (introduction of product, proces, organization innovations in practice)
R	5.2 Partnership		Research organizations + SME/LE
R	5.2 Industrial research (TREND)		SME/LE



+ Special R&I program for transportation

# Connecting Europe Facility - Objectives

- ➔ Objectives:
  - ▶ deployment of safe and secure VHCN and 5G systems,
  - ▶ increased resilience and capacity of digital backbone networks on EU territories by linking them to neighbouring territories,
  - ▶ the digitalization of transport and energy networks
- ➔ EU strategic connectivity objectives and/or provide the network infrastructure supporting the digital transformation of the economy and society as well as the European Digital Single Market.

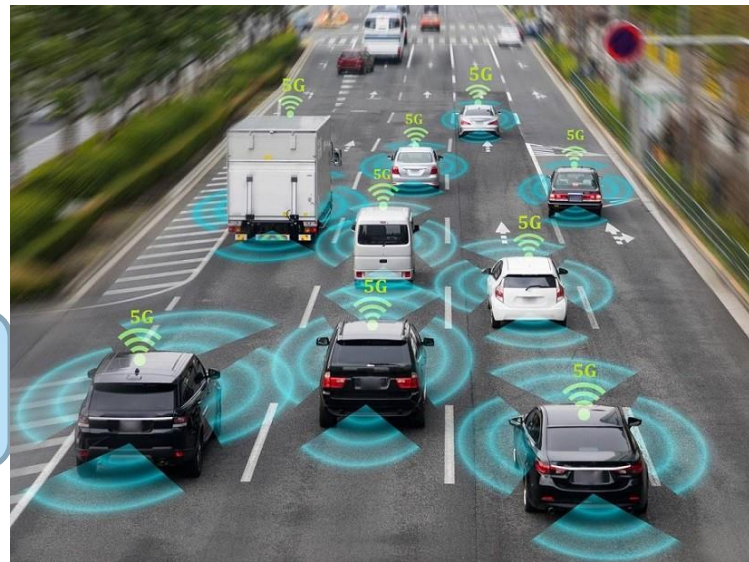


# Connecting Europe Facility - Priorities

- ➔ **5G corridors** along major transport paths (TEN-T) to ensure coverage along the transport paths, enabling the uninterrupted provision of synergy digital services

connected mobility,  
automated mobility,  
smart mobility, etc.

- ➔ significant upgrade of **cross-border backbone networks**





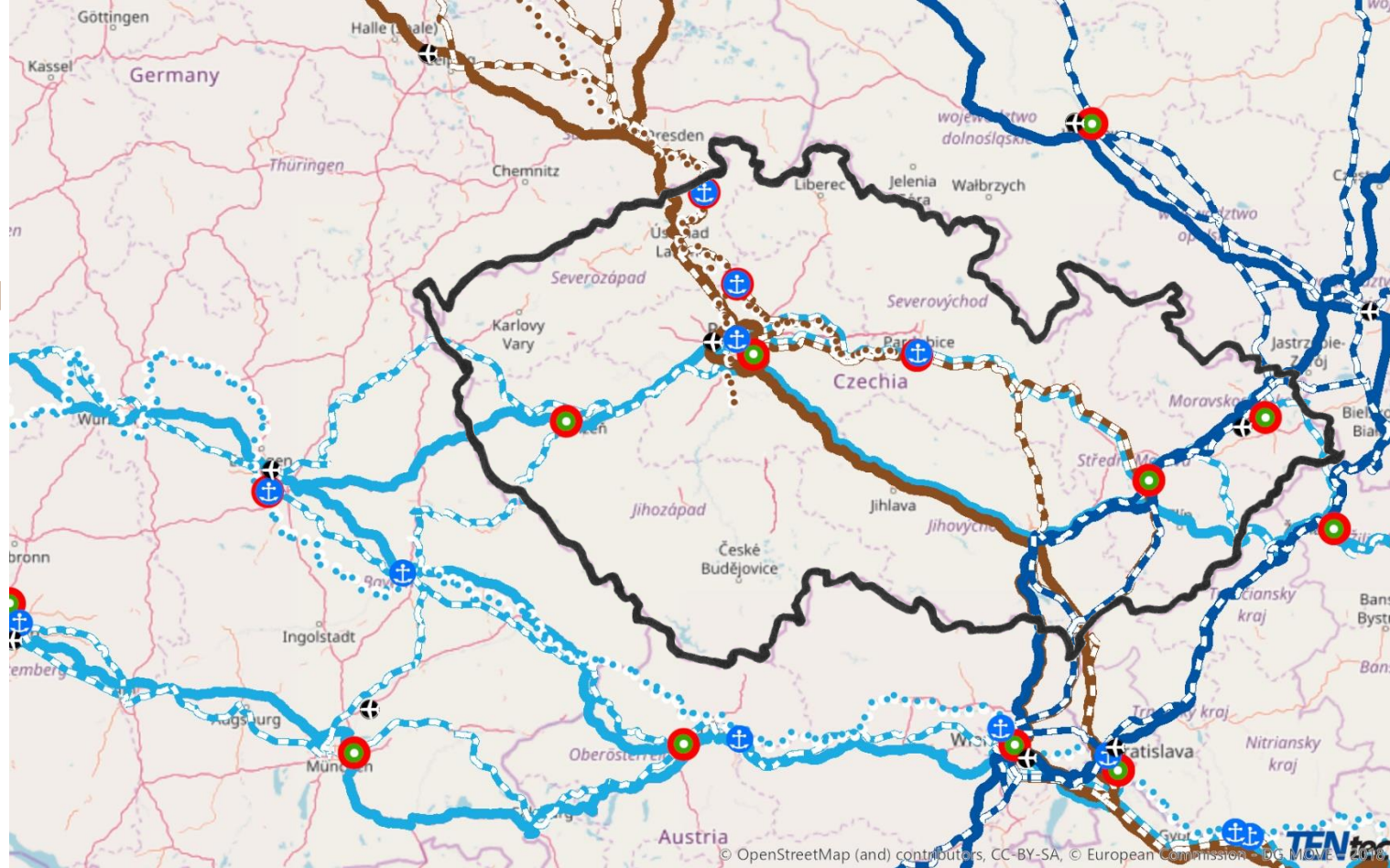
# TEN-T

Rhine - Danube

Orient - EastMed

Baltic - Adriatic

Annex to CEF  
Regulation is  
indicative. Even  
projects not  
listed there can  
apply from day 1



# Technical Support Instrument

- ➔ CZ won a TSI project:  
„Very High Capacity Network package development“
- ➔ Prediction of data transfers increase for dimensioning
  - networks providing services in fixed place
  - mobile networks
- ➔ How to ensure applicability of optic backhaul (BH) built for fixed place services for mobile services and vice versa. Clarifying the mutual relations and requirements for the BH.
- ➔ Identifying the possibilities to support 5G mobile networks in the context of GBER and conditions of CZ Auction of 5G Frequencies.

# Combination of resources

- ➔ TSI ... identify the possibilities to support 5G infrastructure
- ➔ CEF ... study for the development of the project  
... 5G corridors infrastructure (co-financing 50%)
- ➔ RRF ... infrastructure + measures for 5G corridors
- ➔ InvestEU ... financial instruments (infrastructure, R&I)

**Cross-border projects implementation enables to combine CEF and RRF/ERDF cumulative funding.**

# Thank you for your attention

[valicek@mpo.cz](mailto:valicek@mpo.cz)

+420 224 852 111



MINISTRY OF  
INDUSTRY AND TRADE

David VALICEK  
Section of EU Funds

