

5G Corridor Deployment in Europe A European Commission Perspective

Miguel Gonzalez-Sancho

Head of Unit, Future Connectivity Systems

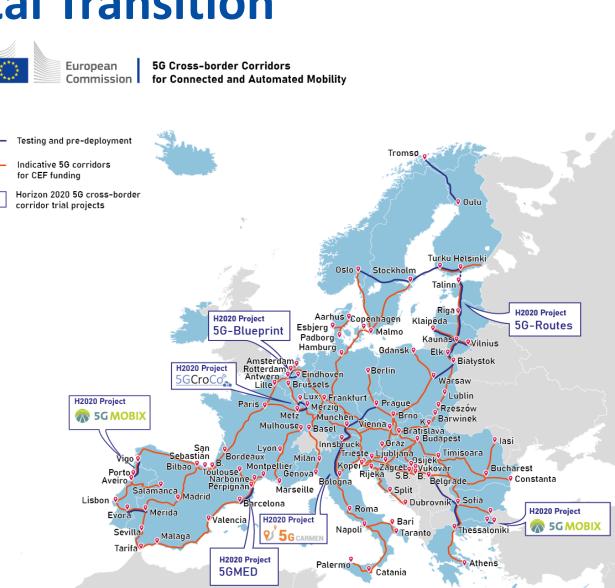
European Commission, DG CONNECT

5G Corridors Workshop, 16 October 2024 a CEF Digital event organized by GUIDE

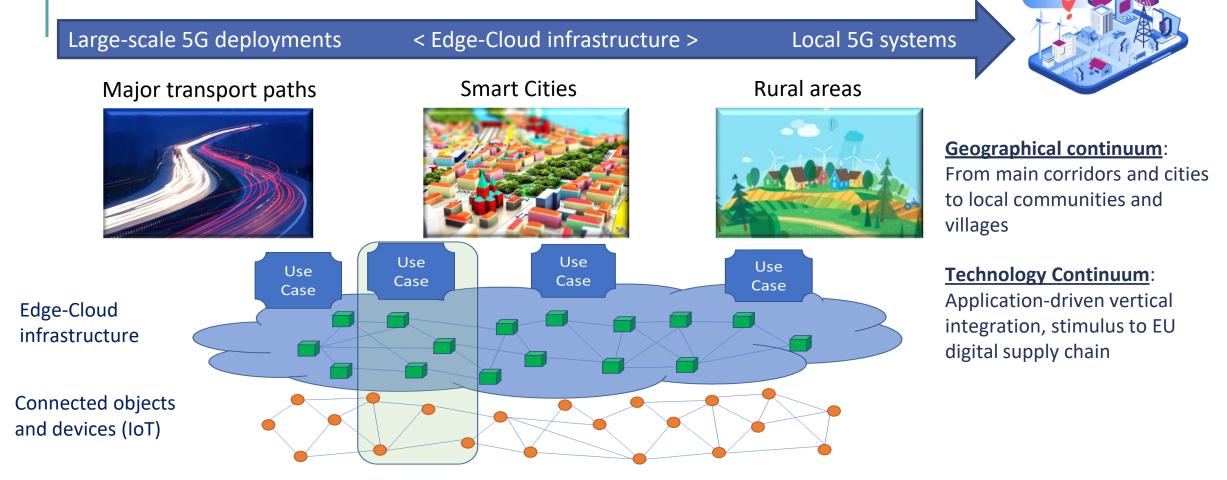


5G Corridors: a driving force behind the EU Green and Digital Transition

- Digital Decade: Pan-European deployment of 5G corridors along TEN-T road, rail, waterways
- Massive investments required for a fully-fledged TEN-T
 5G corridor deployment > EUR 25-79 bn
- Lessons learnt from Horizon 2020 cross-border largescale trials projects
- Priority sections of TEN-T corridors identified in CEF Regulation: 26.000km in length, 49 intra-EU borders
- CEF Digital WP1, budget spent: EUR 93MM (3 calls) 2021-23
- CEF Digital WP 2: EUR 205 million 2024-27 for 5G, adopted in October 2024
- Guidance coordinated by the SNS JU, based on 5G Strategic Deployment Agenda Road and Rail



The 5G-Edge "continuum"



Creating the Connected Collaborative Computing Network (3C Network)



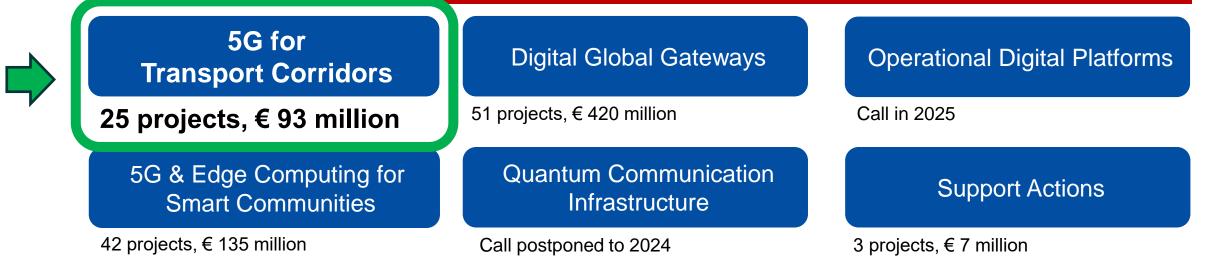
CEF-Digital Programme: 2021-27







Work Programme 1: 2021-23, € 682 MM budget was foreseen Budget consumption based on Calls 1,2, 3 (Call 3 results still under grant agreement preparations)



Work Programme 2024-27: € 865 million

Note: Call 3 results are indicative and will only be official once Grant Agreement Preparations final, by 12/2024



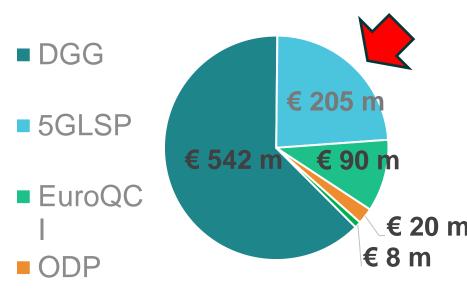
CEF-Digital Programme 2: 2024-27- 5G LSPs

- Focus shift on to 5G Large Scale Pilots → 5G stand-alone integrated with edge computing facilities
 - Alignment with the Connected Collaborative Computing narrative of the White Paper on Europe's Digital Infrastructure*
- 5G Corridors and 5G Smart Communities regrouped under the 5G LSP umbrella, under Connectivity Funding
- Harmonised cybersecurity provisions across all subtopics
- 5G Corridors EU Grant: 52.5 million €
- Top-up Invest EU Blending: 2025-27

CEF Digital WP 2, 2024-27: EUR 205 MM for 5GLSP

Two financial implementing modes:

- 1. 2024: EU Grants via Call 4 for continuity
 - 5G Corridors: 52,5 MM €
- 2. 2025-27: blending under InvestEU (top-up with EIF) to scale up
 - 5G LSP: total budget of 205 MM €
 - of which, 50 MM € for 5G Corridors
- Support Actions to monitor performance





Launched: call 1&2 projects



Works projects



- 18 projects: 12 studies & 6 works
- a good mix of road, rail and maritime ۲ projects
- EU grants requested = € 42,3 MM
- Total cost = € 105,8 MM
- Length of deployed 5G corridors: 4252km
- Number of intra-EU borders covered: 19 •
 - Up to 50% co-funding

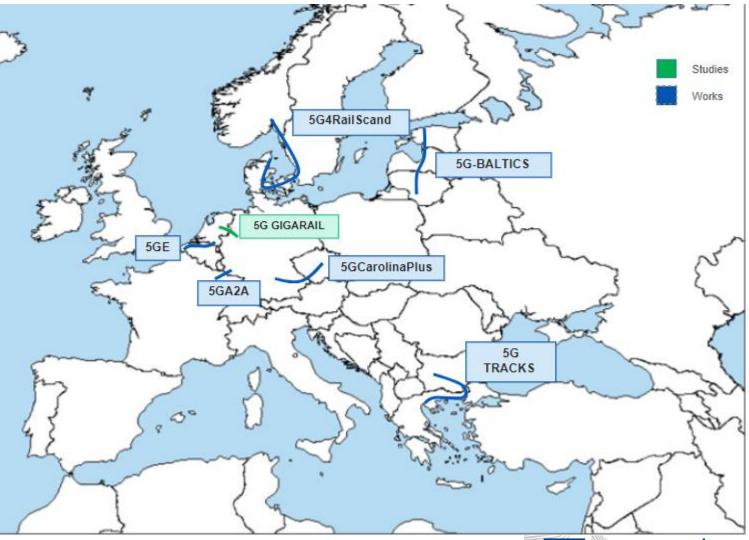


Ongoing: call 3 proposals undergoing GAP

7 projects: 6 works, 1 study

- 4 Road projects (EU contribution
 € 28 million
- 2 Rail projects (EU contribution € 19 million
- 1 Waterway/Maritime project (EU contribution € 3.7 million
- Total EU contribution: € 51 million

up to 50% co-funding



European Commission

Connections shown are approximate

Call 3 projects are still under grant agreement preparation and could be subject to change

What's Next?

- Call 4 will be published shortly and is expected to close in Spring 2025
 - Info-day foreseen within two weeks of the call opening
- Both, 5G and 5G Smart Communities will be part of the same 5G LSP Call
- Indicative budgets for 5G LSP of ~ \in 105 MM / 5G Corridors $~\in$ 52.5 MM
- Follow HaDEA social media channels or register on the F&T portal to be prompted





Thank you for your attention !

https://digital-strategy.ec.europa.eu/en/policies/cross-border-corridors

