



CEF Digital support to pan-European Deployment of 5G Corridors

2026 Mobility Working Group

under the 5G for Smart Community CSA (CEF Digital)

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*Christian Micas
Senior Policy Officer, Future Connectivity Systems
European Commission, DG CONNECT*

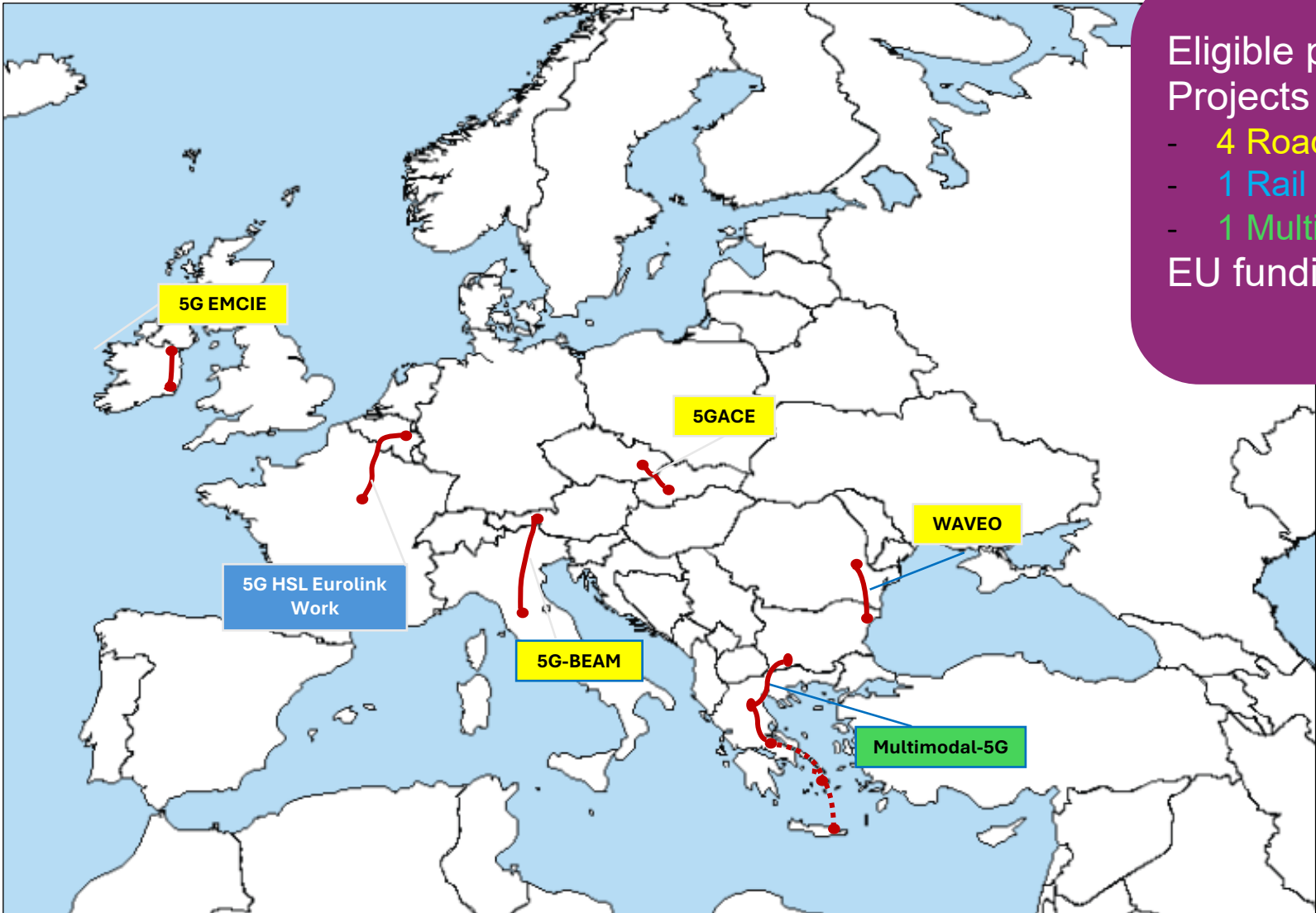
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EU Digital Decade 2030: Pan-European 5G Corridors for Road, Rail and inland waterways



- Uninterrupted coverage of 5G connectivity infrastructure along motorways, railways, waterways
- 5G as a multi-purpose technology and infrastructure for autonomous vehicles, automated trains
- ...while enabling provision of gigabit connectivity to road users and train's passengers
- 5G Service continuity for vehicle crossing the border (<10ms)
- 5G-enabled CAM use cases processed in edge infrastructure and connected to the cloud

Six new CEF Digital Call 4 projects launched in 2026



Eligible proposals: 10
Projects selected: 6

- 4 Road projects (€ 22 million)
- 1 Rail project (€ 21 million)
- 1 Multimodal (€ 10 million)

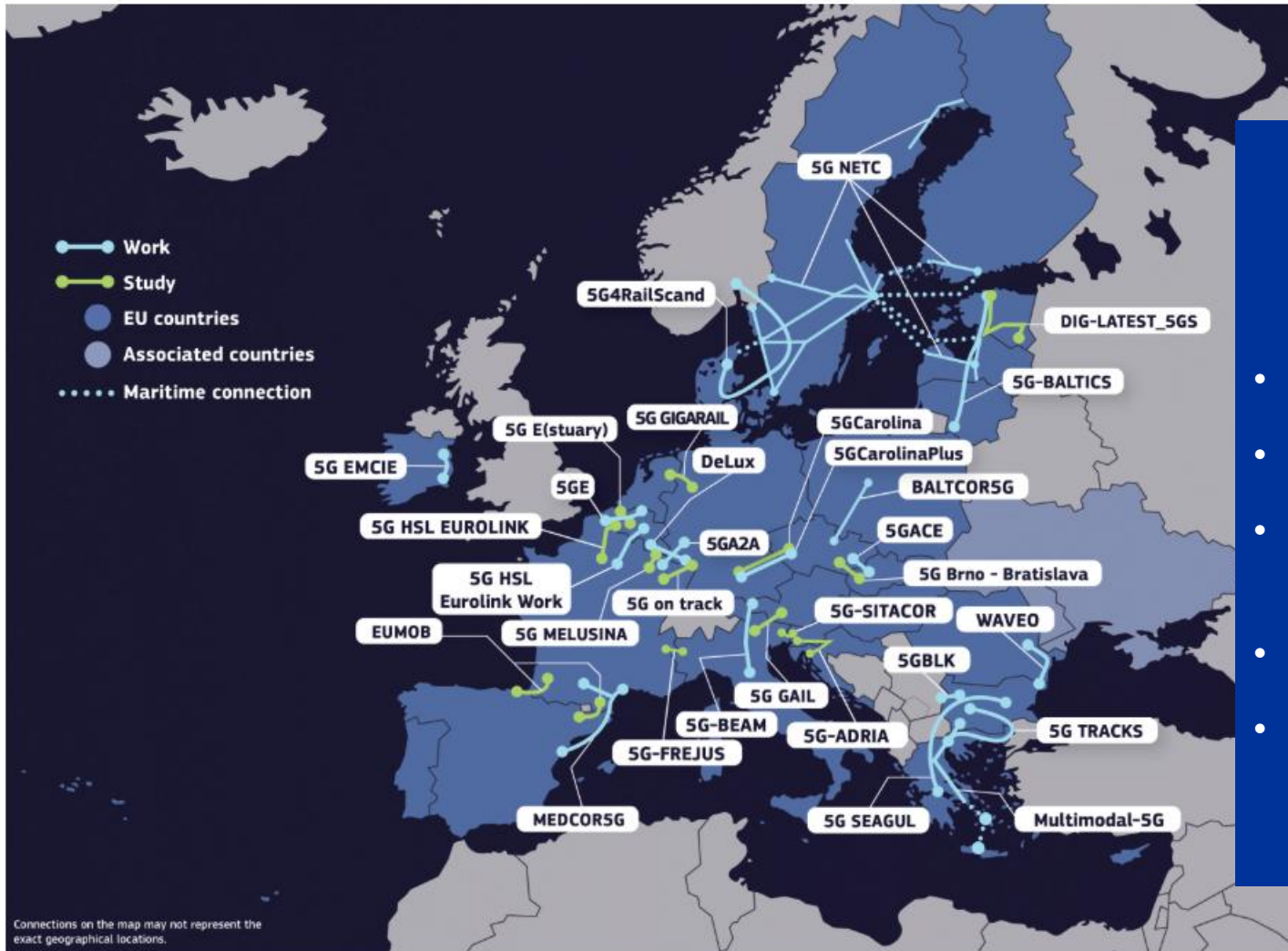
EU funding: € 53 million

- Road, rail or multi
- Maritime

All cross-border sections of projects located on the path of the 9 TEN-T corridors

All Grant Agreements signed.

A total of 31 co-funded CEF Digital 5G Corridor projects



Key achievements – CEF Digital (2022-2025)

- 31 co-funded projects: 13 studies, 18 works
- Good mix of road, rail and waterway
- Broad geographic footprint – 22 intra-EU border sections covered
- Combined length Works projects: \cong 9.000 km
- Total EU grants requested = **€153 million** (50% funding). Total costs: €328 million

Lessons learnt from Call 4 and guidance to investment in 5G corridor deployment

Call 4 is a turning point, with 335% over-subscription

- Substantial increase in the mobilisation of stakeholders, (23 MNO participations)
- 5G expertise spreading across the different modes of transport: CAM, Rail, Maritime, multimodal
- Cooperation models tested through pilots, e.g. between Rail Infra. Managers, MNOs and towercos and vendors
- Increasing focus on 5G Stand Alone deployment and integration with edge and cloud infrastructure

Guidance from the 5G Strategic Deployment Agendas

- Based on stakeholder's inputs and coordinated by the SNS JU SWG on 5G4CAM "Deployment stream" (6G IA – European Commission)
- Endorsement by European Industry Associations
- Opinion from the State Representative Group (SNS JU SRG) + Adoption by the SNS JU Governing Board
- 5G SDA "Spectrum and Connectivity for Rail", Dec. 2024
- 5G SDA for CAM on Roads: Dec. 2025 Further work on road-rail commonalities and synergies

Current and Forward-looking Developments

- **Connected-Collaborative-Computing Networks (3Cs): Large-scale pilots for supply end-to-end infrastructures:** EUR 75 million project, Horizon Europe Cluster 4
- **SNS JU Work Programme**, large-scale trials with pilots for verticals
- **European Connected and Autonomous Vehicle Alliance (ECAVA)**, under the Automotive Action Plan
- **Apply AI Strategy for the mobility sector**
- Next Multi-annual Financial Framework, EU's budget for the 2028-2034

European Connected and Autonomous Vehicle Alliance (ECAVA)

Organisation

ECAVA Steering Committee

Established Oct 2025
Next Meeting 17 March 2026



OEMs



Tiers+Tool providers



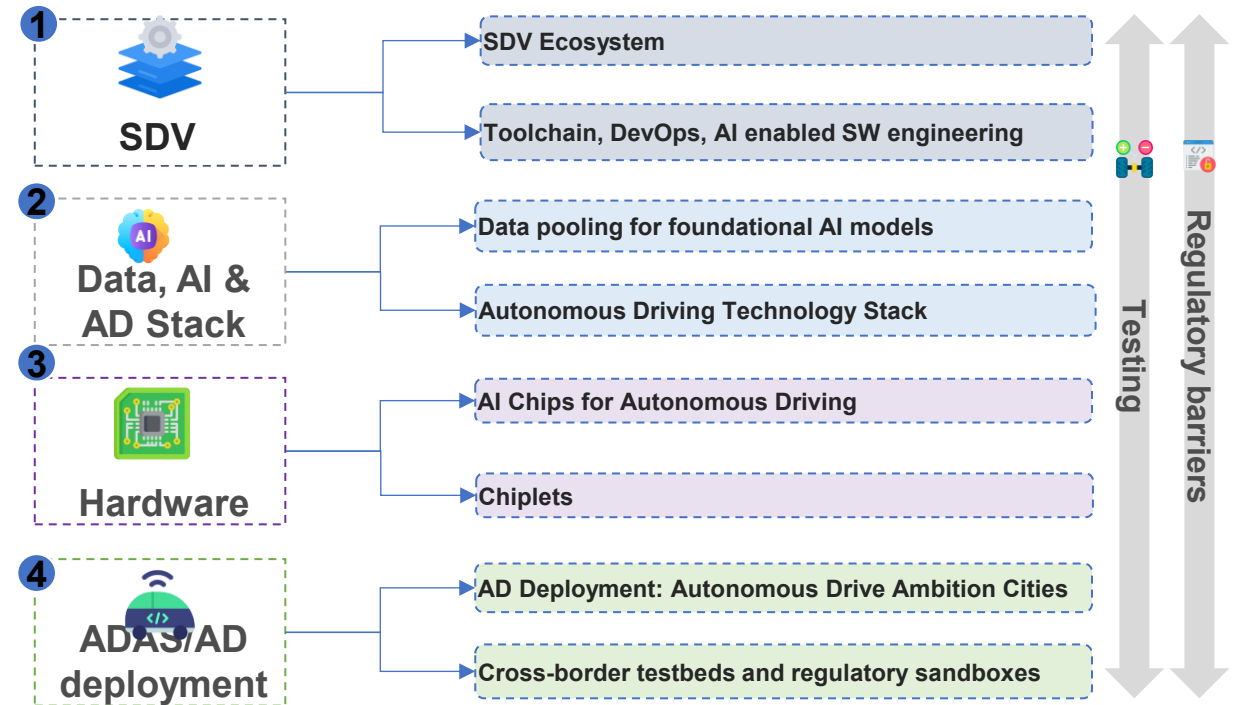
Observers



Working Groups

Industry-led WGs established at WG Meeting 5-6 Feb 2026:

Collaboration across CNECT, MOVE, RTD, GROW



Input to future Jus:
Chips Act 2.0
Automotive

Apply AI Strategy

- The **Apply AI Strategy** is the EU's overarching Artificial Intelligence (AI) sectoral strategy.
- To support the AI first policy in **the mobility sector**, the Commission will:
 - leverage AI factories and gigafactories to **fast track the development of innovative AI models and common software platforms** for automated driving [...]
 - launch an **“Autonomous Drive Ambition Cities”** initiative to accelerate the deployment of AI-enabled self-driving vehicles [...], as part of the large-scale cross-border testbeds [...]. Building on recommendations issued by ECAVA, it will establish operational joint ventures and leverage AI Act's innovation measures.



Thank you!

