

5G-MOBIX

Webinar: 5G-MOBIX evaluation results and recommendations

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5GMOBIX



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 825496

ABOUT

- EU funded Innovation action (H2020-ICT-18-2018)
- November 2018 – September 2022
- 59 partners from 11 countries in Europe (incl. Linked Third parties)
- 9 non-EU funded partners from China and South Korea

OBJECTIVES

Accelerate deployment of 5G at cross-border areas

- Carry out trials along X-border corridors to assess 5G capabilities for CAM
- Qualify the 5G-infrastructure and evaluate the benefits of 5G within the CAM context
- Identify spectrum allocation gaps, contribute to standardisation and 5G CEF preparation



Technical

Business



Define deployment scenarios & recommendations including x-border context

- Perform cost/benefit analysis and impact assessment
- Identify new business opportunities for 5G-enabled CAM
- Investigate legal, regulatory and security issues

5G-MOBIX Trials



LOCATIONS

- 2 Cross-Border Corridors (CBC)
- 4 complementary European Trial Sites (TS)
- 2 complementary Asian Trial Sites (TS)



NETWORK

- 29 5G gNBs
- NSA Architecture (investigated SA)



VEHICLES

- 21 SAE L4 automated vehicles



USE CASES

- 5 use case categories based on 3GPP TS 22.186, focusing on x-border operation

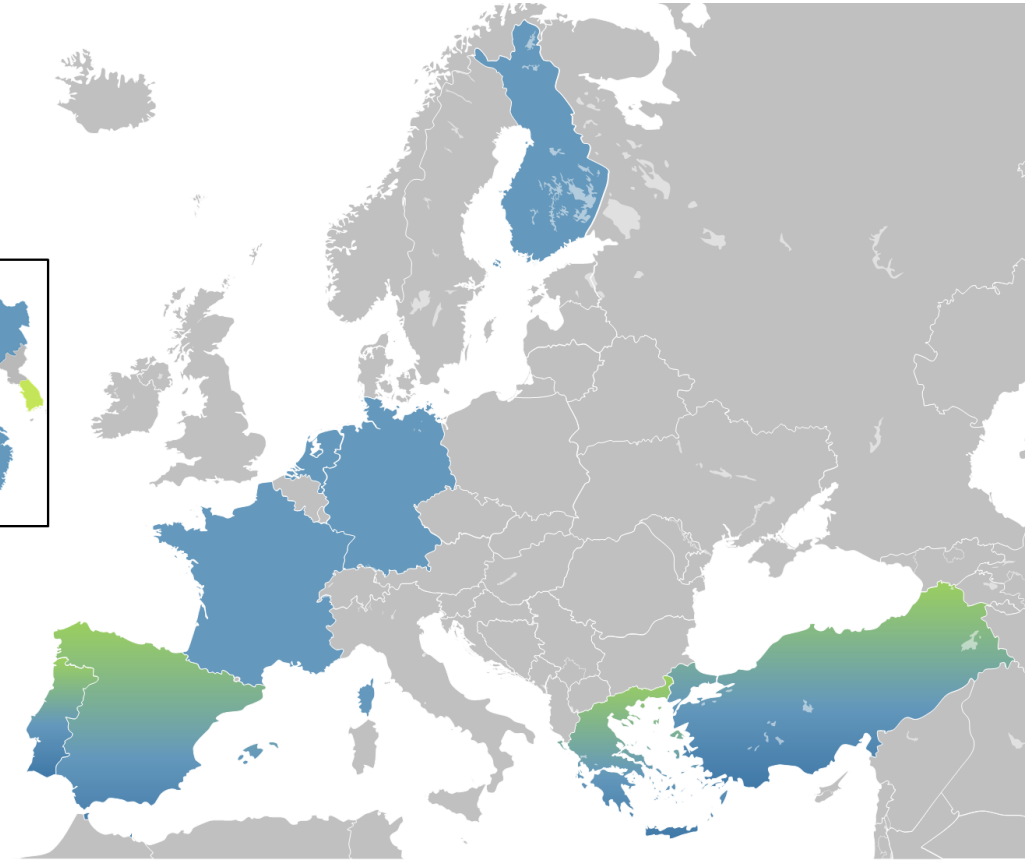
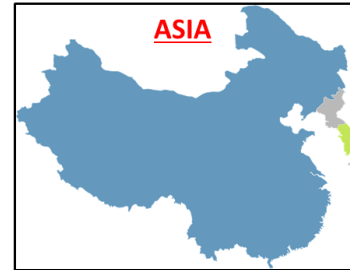
Advanced
Driving

Vehicles
Platooning

Extended
Sensors

Remote
Driving

Vehicle QoS
Support



Trial Sites



Spain - Portugal



Porto – Vigo is a Pan-European X-Border 5G corridor for Connected and Automated Mobility



Greece - Turkey



Kipoi – Ipsala site is a main entry point into EU territory for cargo, with heavy customs operations

Cross-border Corridors



Finland



France



Germany



Netherlands



European Trial Sites



China



S. Korea



Asian Trial Sites



Webinar Agenda

- **Introduction**, Konstantinos Katsaros (ICCS) – [5 min]
- **Technical Evaluation**, Marta Miranda Dopico (CTAG) – [20 min]
Key findings stemming from the extensive experimental activities of the 5G-MOBIX project - technical performance of technologies and solutions implemented.
- **Impact Assessment**, Maija Federley (VTT) – [15 min]
Potential business and societal impacts of the systems and applications demonstrated
- **User Acceptance**, Emanuel Sousa (CCG) – [15 min]
Assessment of acceptability of different kinds of mobility services in the context of 5G CBC mobility
- **Q&A** – [5 min]

Thank you



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