

Project overview

5G-MOBIX from a high level
5G-Blueprint forum on Teleoperation

Coen Bresser, 2 December 2021



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 – July 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 (potential for evolving to SA)



VEHICLES

- 20 SAE L4 automated vehicles



USE CASES

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

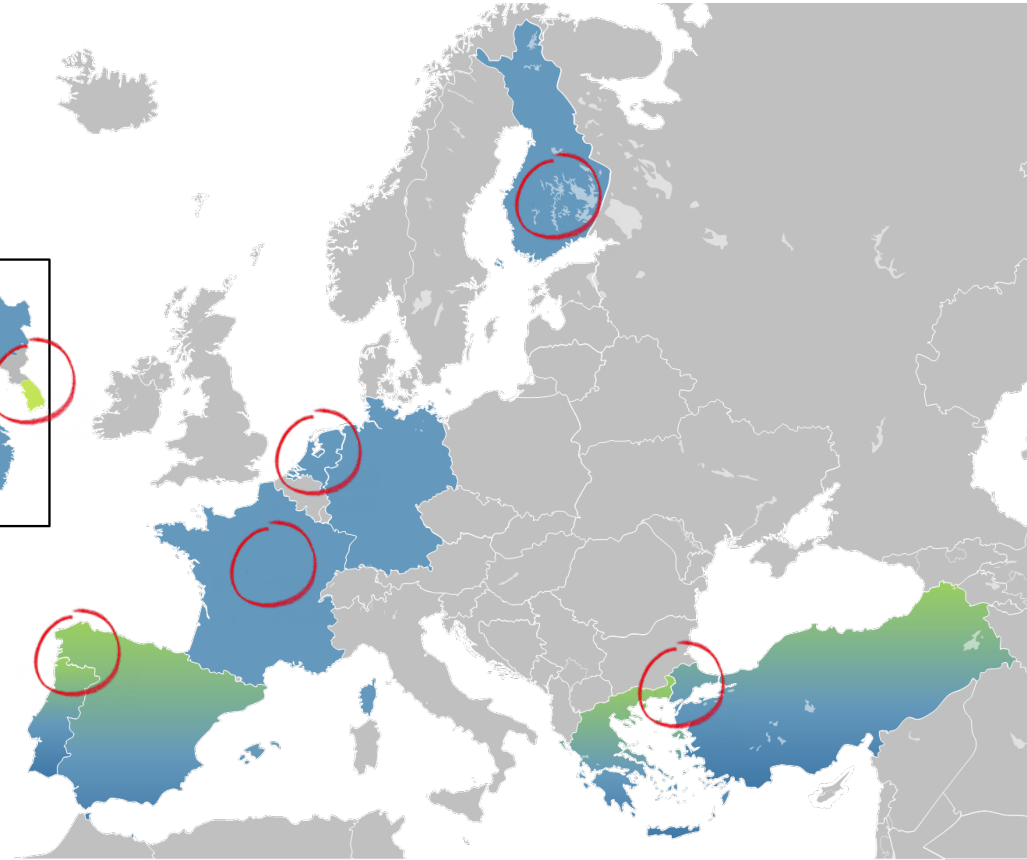
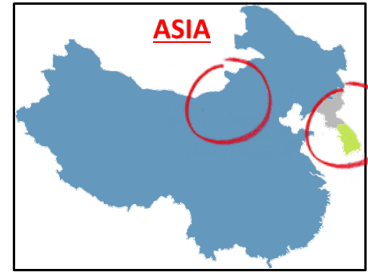
Advanced
Driving

Vehicles
Platooning

Extended
Sensors

Remote
Driving

Vehicle QoS
Support



5GMOBIX

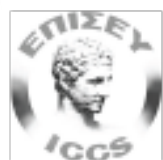
Telecom & Connectivity



R&D



Business



Automated driving

Thank you



5GMOBIX

www.5g-mobix.com

Coen Bresser
ERTICO-ITS Europe
c.bresser@mail.ertico.com
+31 6 5783 1658



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