

# 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

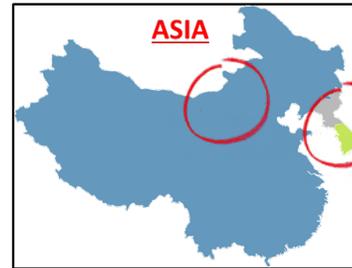
Advanced  
Driving

Vehicles  
Platooning

Extended  
Sensors

Remote  
Driving

Vehicle QoS  
Support



Telecom & Connectivity



Centro de Computação Gráfica  
Investigação & Desenvolvimento Tecnológico  
Research & Technological Development



R&D



Business



Automated driving

# Thank you



**5GMOBIX**

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