

5G EXPERIMENTATION INFRASTRUCTURE HOSTING CLOUD-NATIVE NETAPPS FOR PUBLIC PROTECTION AND DISASTER RELIEF

ABOUT

5G-EPICENTRE aims to lower barriers to 5G adoption and market entry for European SMEs to conduct rigorous experimentation of their products and applications aimed at the public safety market, through the provision of an open, federated, end-to-end experimentation facility.

Project Start: 01/01/2021
Duration: 36 Months
Instrument: ICT-41-2020
Total funding: EUR 5,999,168.25
Partners: 17

OBJECTIVES

1

Build an end-to-end 5G experimentation platform specifically tailored to the needs of the public safety and emergency response market players.

4

Implement impact-driven dissemination, standardisation and exploitation.

2

Pilot 5G systems in PPDR-based trials, successfully demonstrating 5G-EPICENTRE onboarded apps as a crucial communications accompaniment to public safety mission critical communications technologies.

5

Facilitate automation, continuous deployment and multi-access edge computing supported by containerized network functions, so as to reduce service creation time and time-to-market for 5G solutions.

3

Cultivate a '5G Experiments as a Service' model, which will enable developers and SMEs to experiment with PPDR applications in parameterized, easily repeatable, and shareable environments.

6

Leverage Artificial Intelligence for achieving cognitive experiment coordination and lifecycle management, including dynamic 5G slicing, application awareness and insightful ML-driven analytics.

CONSORTIUM

