

Main Lessons Learned

The main lessons learned from the 5G-EPICENTRE Project experimentation program can be summarized as follows:

- ✓ Interoperability of 5G technologies with legacy PPDR technologies is key
- ✓ Low latency is crucial for real-time PPDR applications, such as video streaming from disaster sites.
- ✓ Reliability and prioritization of PPDR traffic are vital
- ✓ Scalability is required for solutions and applications
- ✓ Resolving inter-cluster reachability in Kubernetes
- ✓ IPv6 is needed in mobile devices to reduce IP connectivity problems
- ✓ Slicing and QoS Management are crucial for Network Applications' Performance
- ✓ Moving to a more complex world. Complex solutions set-ups require more sophisticated solutions
- ✓ Quality of Experience (QoE) is highly improved in AR applications
- ✓ To fully exploit 5G capabilities, applications should be 5G-aware
- ✓ Security and Privacy by Design is required



CONTACT US!

For further inquiries or to get started with 5G-EPICENTRE, please feel free to reach out to our team.



www.5gepicentre.eu



5G EPICENTRE Project



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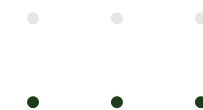


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5G-EPICENTRE

Experimentation Programme Overview

Re5haping the PPDR Community



Overview of Third-Parties

5G-EPICENTRE managed to perform 8 complete Pilot PPDR Use Cases and 12 Experiments for 3rd Parties' Solutions in our 4 Testbeds









#	Testbed	External third-party
1	Aveiro	 University of Patras
2	Berlin	 Flybionic
3	Malaga	 Alisys
4	Malaga	 Nokia
5	Barcelona	 Streamwide
6	Barcelona	 EKTACOM
7	Barcelona	 SQUAREDEV
8	Aveiro	 BoldRobotics
9	Aveiro	 Sim4Safety
10	Aveiro	 ADAI
11	Aveiro	 Altice Labs
12	Aveiro/SIRESP	 SIRESP bootcamp

A solution for every problem

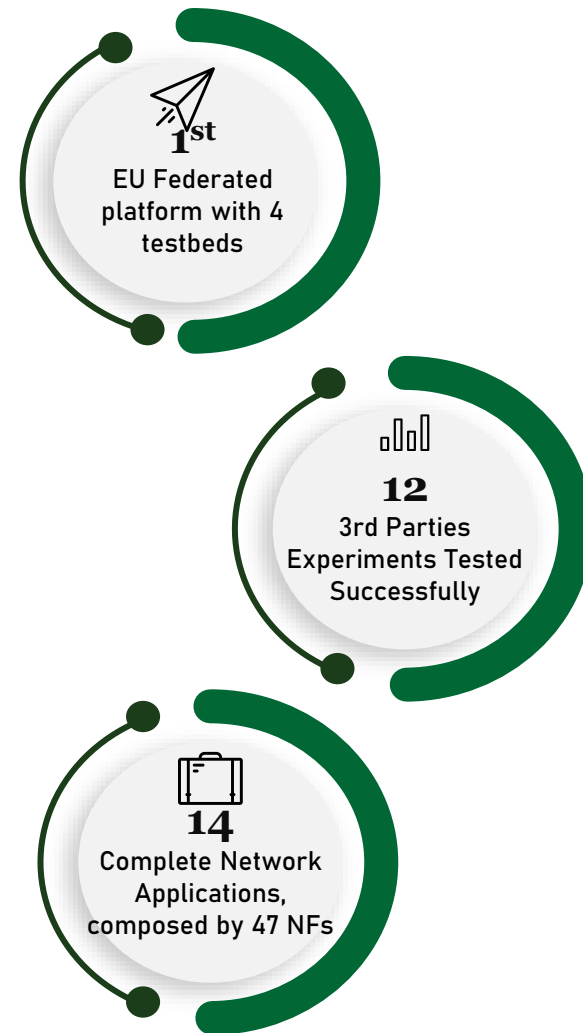
5G-EPICENTRE provides a complete federated platform and an ideal testbed, for the testing and validation of any PPDR application in a 5G environment.

Execution of 12 Experiments for PPDR Applications

5G-EPICENTRE completed successfully 12 Experiments in real-life PPDR solutions. The solutions participated in the 5G-EPICENTRE experimentation program are the following:

-  Fire Detection and Ground Assistance using Drones
-  Drone communication systems for PPDR stakeholders
-  Robot management for PPDR use cases
-  Extended Reality Lab
-  Interoperability testing for mission-critical communications
-  Video Streaming for First Responders
-  Environmental Assessment of Fire-affected Ecosystems
-  Forest fires robot
-  Forest fires prediction
-  Remote management of wildfire sprinklers
-  Medical diagnosis for emergency scenarios
-  PPDR situational awareness through voice interface and TETRA

5G-EPICENTRE's Major Achievements



5G-EPICENTRE Platform

We lower the barriers to 5G adoption, facilitate PPDR experimentation and solutions testing towards a more safe and secure society