5GINFIRE

Press Release

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5GINFIRE PROJECT ACHIEVEMENTS

After three years of operation, the 5GINFIRE project established a first open 5G playground consisting of eight European testbeds and one Brazilian facility, enabling experimentation in various vertical industry domains in context of initial 5G based applications and services as well as 5G networking capabilities.

During its life time, the 5GINFIRE project organized four competitive open calls with an overall budget of almost 2,500,000€, looking for new infrastructures to enlarge the 5GINFIRE experimental infrastructure, new and additional functionalities to improve and enhance the 5GINFIRE experimental framework, and experiments to test innovative solutions on the top of the 5GINFIRE experimental infrastructure. Altogether, 157 proposals have been submitted to the open calls and 30 of them have been accepted for implementation in 5GINFIRE, where 22 of these sub-projects were experiments in various domains.

The experiences gathered in 5GINFIRE through its experiments represent a valuable input for the large-scale 5G testbeds which are currently being established by projects within the 5G PPP program in Horizon 2020 and further 5G related initiatives. The corresponding 5GINFIRE White Paper on Experimentation has been submitted to the Test, Measurement and KPIs Validation Working Group of the 5G PPP

The main application areas addressed by the experiments were in areas of Cooperative Intelligent Transportation and various media related applications (multi-media streaming, real-time a/c surveillance, emergency services, etc.). Further experiments were focusing on optimizing various 5G capabilities and some specific applications, such as IoT enabled application for tourism and accessibility solutions. The main individual domain addressed by the 5GINFIRE experimenters was the 5G networking capabilities, whereas majority of experiments addressed various industry vertical sectors, mainly Automotive and Smart Cities.

Until now, the 5GINFIRE experiments have been implemented by 115 users registered in the 5GINFIRE portal and 470 orchestration requests, where altogether 180 VNFs (53 public), 104 NSDs (43 public) have been provided, mainly in open source, and can be used by further experimentation activities.

We thank 5GINFIRE experimenters and infrastructures for providing these results to the wide 5G community!

Project Consortium

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B-COM, France

Easy Global Market, France

Instituto de Telecomunicações, Portugal

Telefónica Investigación y Desarrollo, Spain

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University of Bristol, United Kingdom

University of Patras, Greece

Universidade Federal de Uberlândia, Brazil

University of São Paulo, Brazil

About the 5GINFIRE project

Evolving FIRE into a 5G-Oriented Experimental Playground for Vertical Industries

5G network infrastructures and embodied technologies are considered as a key asset of this emerging common environment and instrumental for the digitalization of the traditional industries, so-called vertical industry application sectors. Addressing these key questions, the main 5GINFIRE goal is to build and operate an Open, and Extensible 5G NFV-based Reference (Open5G-NFV) ecosystem of Experimental Facilities that not only integrates existing FIRE facilities with new vertical-specific ones but also lays down the foundations for instantiating fully softwarised architectures of vertical industries and experimenting with them.

5GINFIRE is a three-year Research and Innovation action / project under the EU programme Horizon 2020 (Grant Agreement no. 732497) started on 1 January 2017. The EC funding is 4,999,970€, and 50% of this amount is dedicated to third parties, which are selected through the 5GINFIRE Open Calls.

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