



OBJECTIVES

The 5GINFIRE is, by design, a duality project that sets its overall technical objectives as a prerequisite for achieving a longer term strategic objective that aspires to resonate beyond its lifetime and act as valuable source of constant feedback:

- Establish the first 5G NFV-enabled experimental testbed capable of instantiating and supporting vertical industries based on industry-leading and open source technologies,
- Specify, Implement, and Operate Verticals drawn from the Automotive Industry on top of the Open5G-NFV common experimental facility,
- Provide a platform for innovation in Europe specifically suitable for SMEs,
- Develop open source Management and Orchestration (MANO) functionality and toolsets for experimental architecture instantiation,
- Enable in-testbed and extra-testbed demonstrations in an open reference platform
- Open software and APIs for rapid prototyping and inclusion of new building block functionalities with the necessary metadata definition, and
- Accelerate the formation of an open European-initiated, global-reach, long-term sustainable community.



EVOLVING FIRE INTO A 5G-ORIENTED EXPERIMENTAL PLAYGROUND FOR VERTICAL INDUSTRIES

5GINFIRE is a three years 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 (experimenters and 5G experimental facilities owners/operators) which will be selected through the planned 5GINFIRE Open Calls.



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5GINFIRE



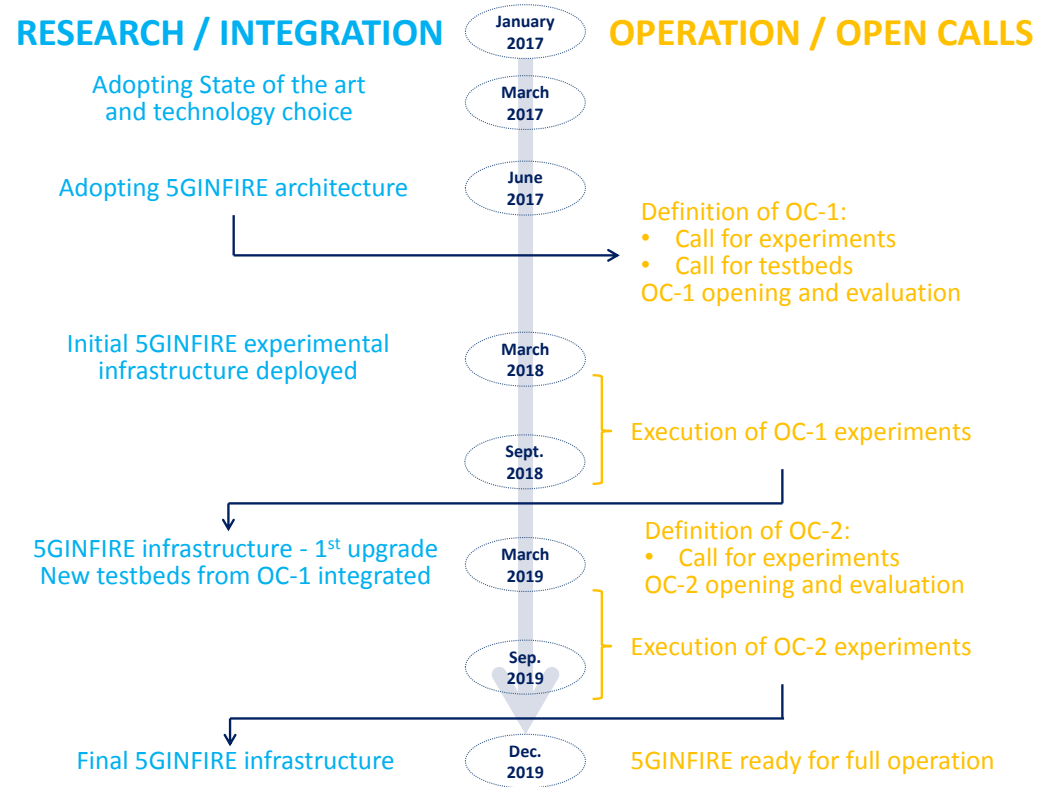
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CONSORTIUM



- Eurescom (Germany) – Project Coordinator
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- Easy Global Market SAS (France)
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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. 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. The initial instantiation of the Open5G-NFV ecosystem will be driven by the automotive sector, but, it will be as generic as possible, to host other verticals.



In order to offer its testbeds to a wide community of experimenters, the 5GINFIRE project will organize at least two Open Calls for experiments to be implemented and executed on the top of the 5GINFIRE experimental infrastructure. The 5GINFIRE Open Calls will also seek for further relevant testbeds to be integrated within the 5GINFIRE experimental framework and offered to be used by the experimenters.