

# The 5G EVE End-to-End Facility Webinar for ICT-19 Proposers

20 September 2018

Twitter hashtag: #5Gwebinar

Website: [www.5g-eve.eu](http://www.5g-eve.eu)



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074

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5G EVE

# The Vision

- The latest advancements in 5G technologies, architectures and facilities are reducing the gap towards the deployment of operational infrastructures, and the “eve” of commercial 5G services.
- All these technologies and solutions **are currently being validated by vendors, researchers and operators in labs and small field trials** in various EU countries and worldwide.
- However, **the imminent market needs, compel the existence of 5G end-to-end facilities capable of supporting extensive and realistic trials.** The challenge of **providing end-to-end 5G network solutions is crucial for all the actors in the 5G value chain**, starting from operators and vendors, but necessarily extending to vertical industries and SMEs.
- The aspiration of 5G-EVE is to **create the foundations for a pervasive roll-out of end-to-end 5G networks in Europe.** 5G-EVE supports this fundamental transition by **offering to all 5G experimenters, facilities to validate their network KPIs and their services.**



# The 5G EVE partners



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# Objectives

- The goal is to build an operational abstraction of the facility sites that **provide vertical industries with a single operational interface** towards the 5G end to facility. This includes development of APIs, tools, and mechanisms in an open framework that ease the verticals to deploy their multi-site trials.
- This will **enable vertical industries or operators to evaluate KPIs or perform a benchmarking of different technologies** in a consistent way, e.g., without dependencies on the particular facility sites where the KPI is collected or the technology that is benchmarked.



# Methodology

The 5G-EVE concept consists in further developing and **interconnecting four existing European sites to form a unique 5G end to end facility, which will be offered to the vertical industries for pilots' execution and validation**. Specifically, the 5G-EVE concept to achieve its **technical objectives** consists of:

- **Implementing Release 16 compatible technologies** in the four sites, starting from the evolutions of current Release 15. Specific pilots will validate that 5G KPIs can be achieved;
- **Designing and implementing site interworking and multi-x slicing/orchestration mechanism.**
- **Implementing vertical-oriented open framework.**
- **Creating an advanced 5G testing mechanisms** to validate 5G advanced challenges.

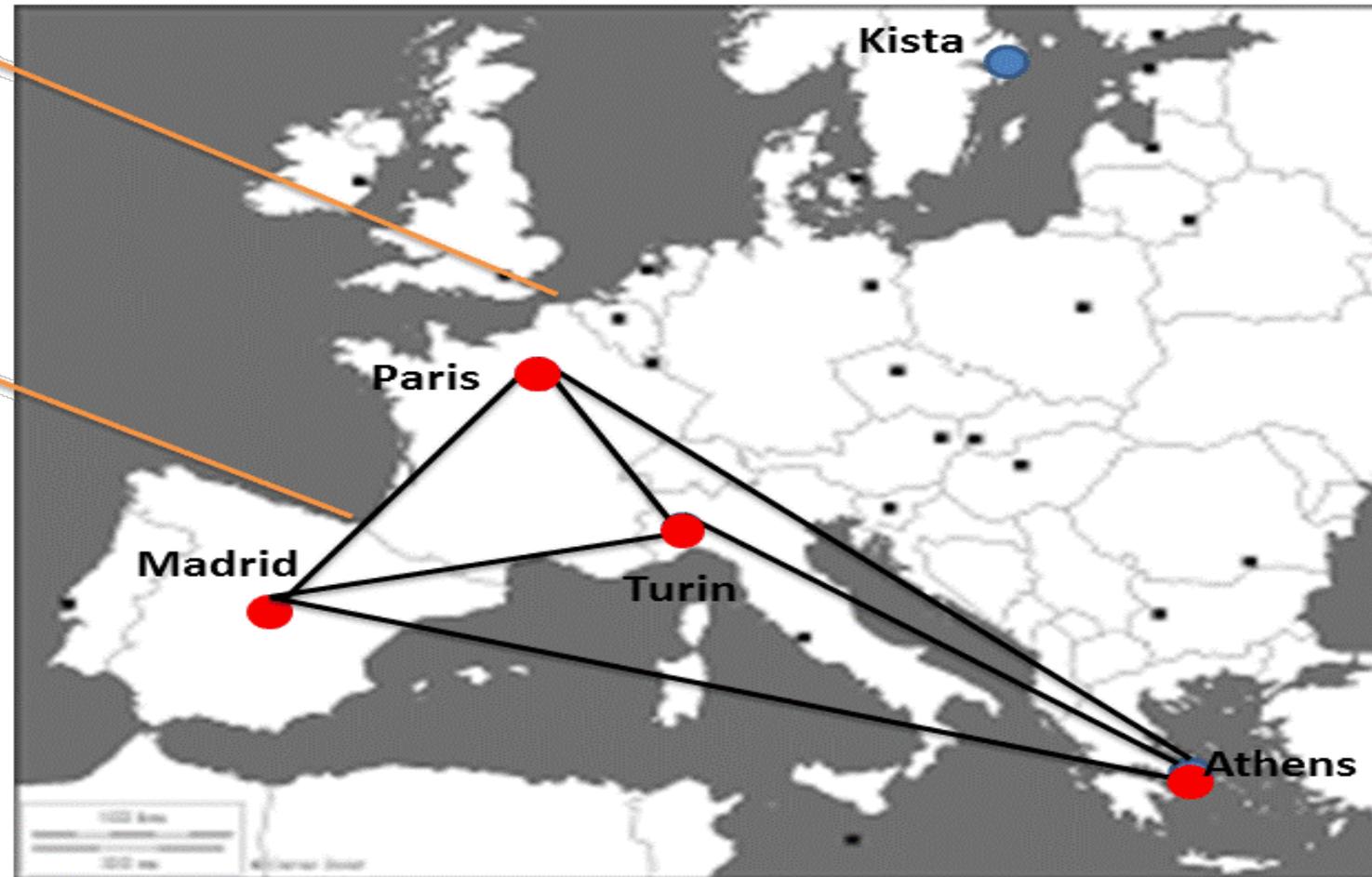


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# Locations of the 4 sites facilities



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# Organisation of the 4 sites

Site Facility	Greece	Spain	France	Italy
<b>Owner (operator)</b>	OTE	Telefonica	Orange	TIM
<b>Location</b>	Athens	Madrid	Nice, Paris & Rennes	Turin
<b>Involved partners</b>	Nokia, Ericsson, Wings	Ericsson, UC3M (IMDEA), Segittur, ASTI, Telcaria	Nokia, B-COM, Eurecom, EDF	Ericsson IT, Nextworks, CNIT, Comune Torino

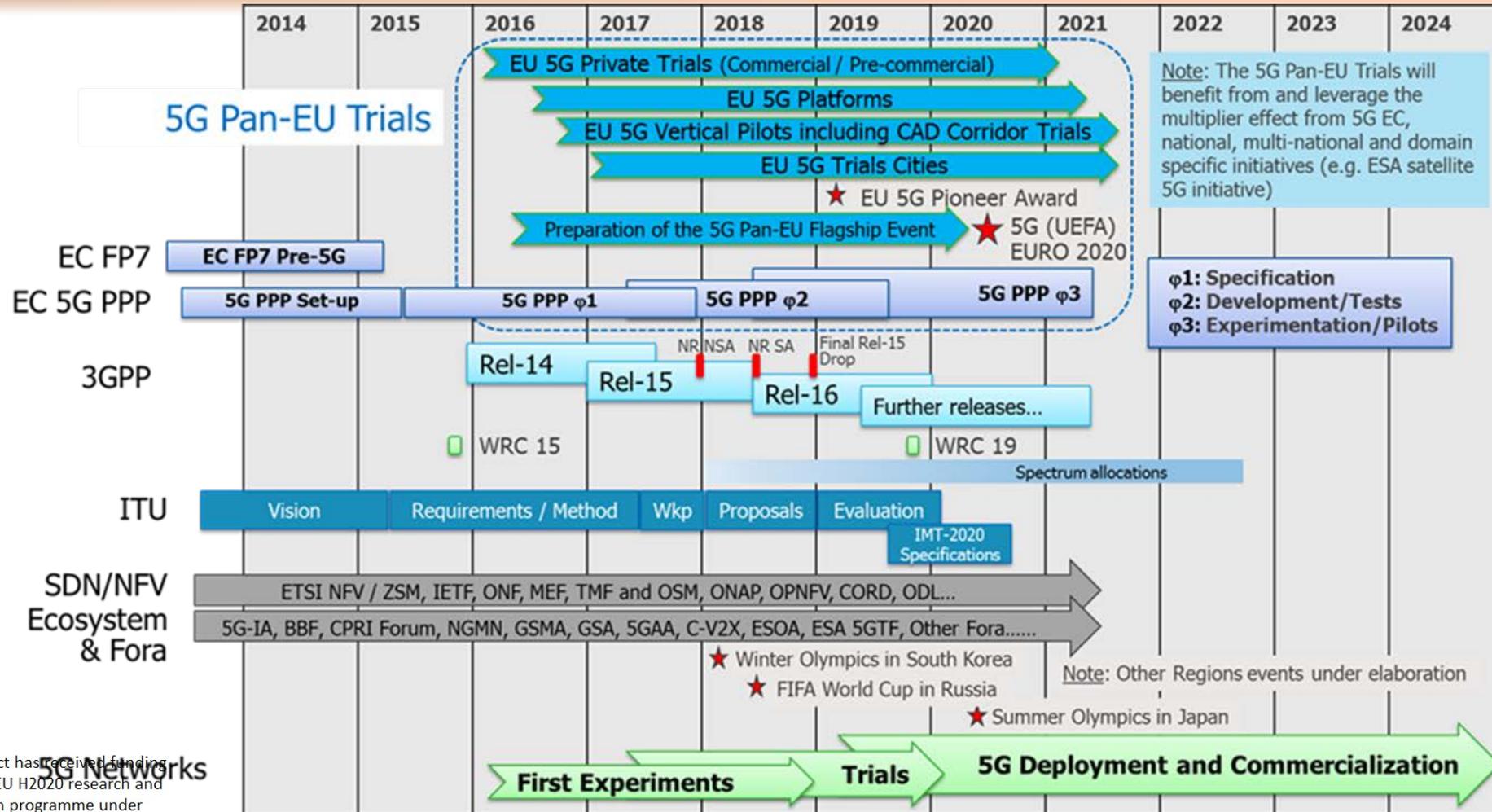


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# Timescale of 5G EVE



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# How we can collaborate with ICT-19 proposers

- Main challenges
- Different levels of collaborations
- Useful information



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# Main challenges

- Selection of use cases/trials **where 5G performance is essential**
- **Direct** involvement of relevant users/stakeholders
- **Concrete field** trials; not «labs experiments»
- **Precise roles and responsibilities** in the trials
- **Quantitative** parameters with precise timescale
- Regarding the use of ICT-17 facilities a precise **location** definition is essential
- Usable **frequencies** / cells coverages
- **Gap analysis** to identify the needed additional equipment and technologies related to specific trials → be sure to plan the necessary resources in your budget



# Different levels of collaborations

- **General support**

- Tools and solutions offered through our portal
- Intent based interfaces available for any kind of experimenters (not only ICT-19 projects)
- Monitoring system to evaluate 5G KPIs

- **Trials covered by the local 5G available infrastructures**

- Focus on geographical constraints
- Planning of extra hardware in case it is needed

- **Specific trials with partners of 5G EVE:**

- No restrictions or priorities set by our consortium
- Open to anybody if addressing the mentioned challenges
- Decisions to participate will be taken by each partner
- Circulation of information about new proposals will be ensured to 5G EVE partners IF REQUESTED, otherwise confidentiality is the general rule



# Useful information

General information on methodologies and solutions

→ <https://www.5g-eve.eu/>

Information on available facilities in the different sites

→ <https://www.5g-eve.eu/>

Specific requests

→ <https://www.5g-eve.eu/contact/>





Thank you!



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