

5G EVE

Technical Overview for ICT19 Proposers

5GPPP Ph3 Info Day

14th Sep 2018

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



5G EVE

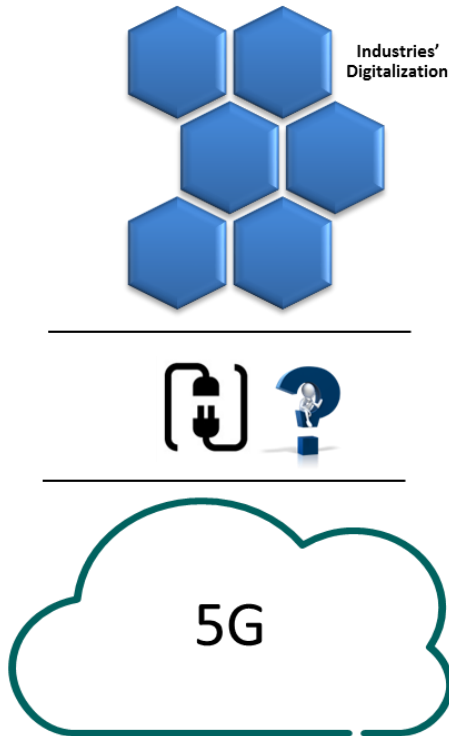
Intro to 5G EVE: Technical Aspects

- Let's now focus on the technical aspects of 5G EVE
 - First, we will review why testbeds like 5G EVE are instrumental for growing the 5G ecosystem, and how we at 5G EVE project interpret that motivation and translate into a technical set-up for fruitful collaboration with Verticals
 - Next, we will introduce the basics on what 5G EVE services -based on both core 5G technologies and differential 5G EVE innovations- are planned to be accessible to Verticals.
 - Then, we will share how our current technical collaboration model with 5G EVE participant verticals is, and how we propose to extrapolate it to new collaborations with ICT-19 partners

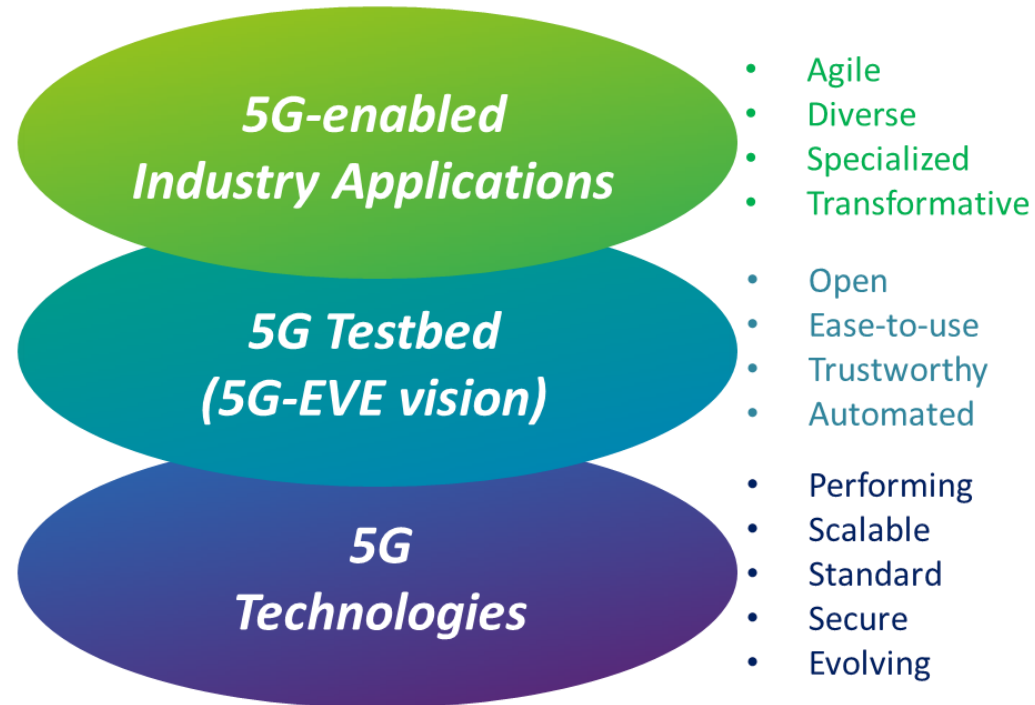


Why a Testbed like 5G EVE?

From: Two Worlds



To: One Innovation Ecosystem

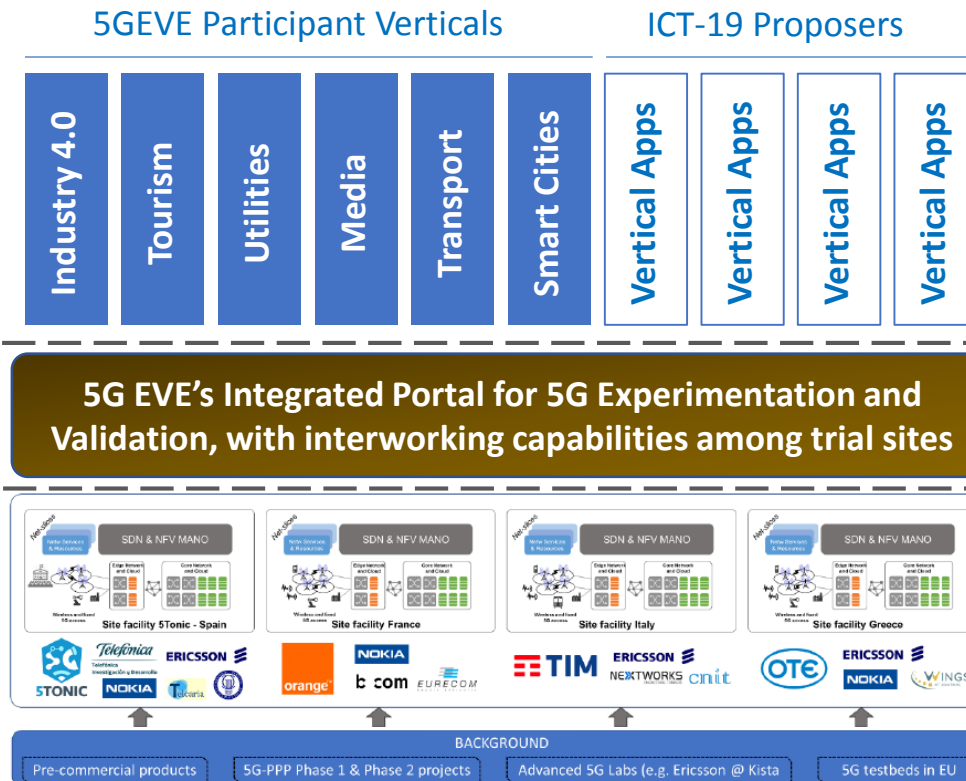
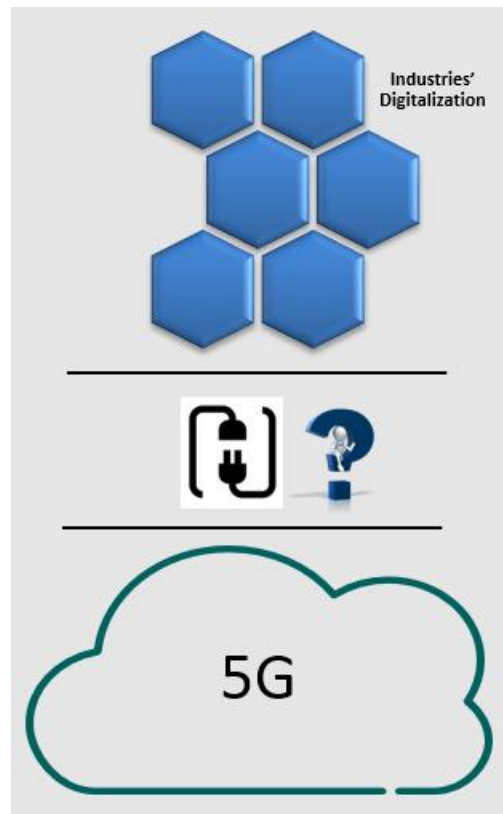


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How 5G EVE frames that concept

Helicopter view



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5G EVE

5G EVE partners and trial-sites

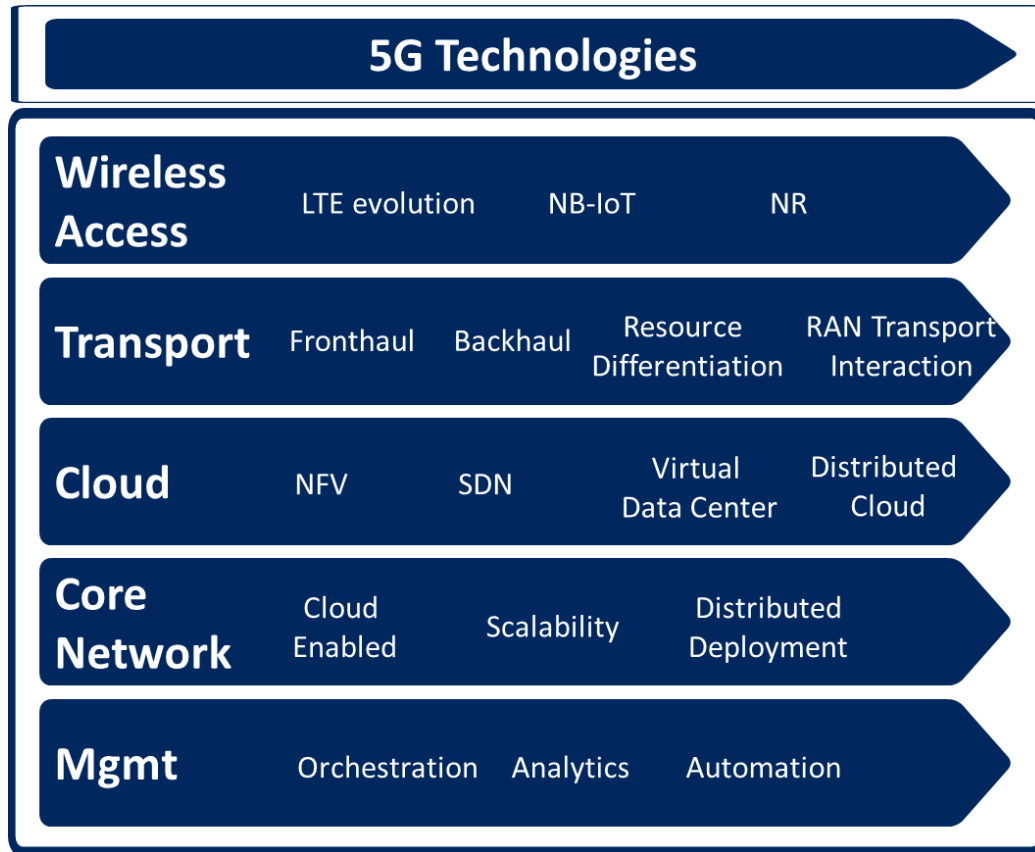


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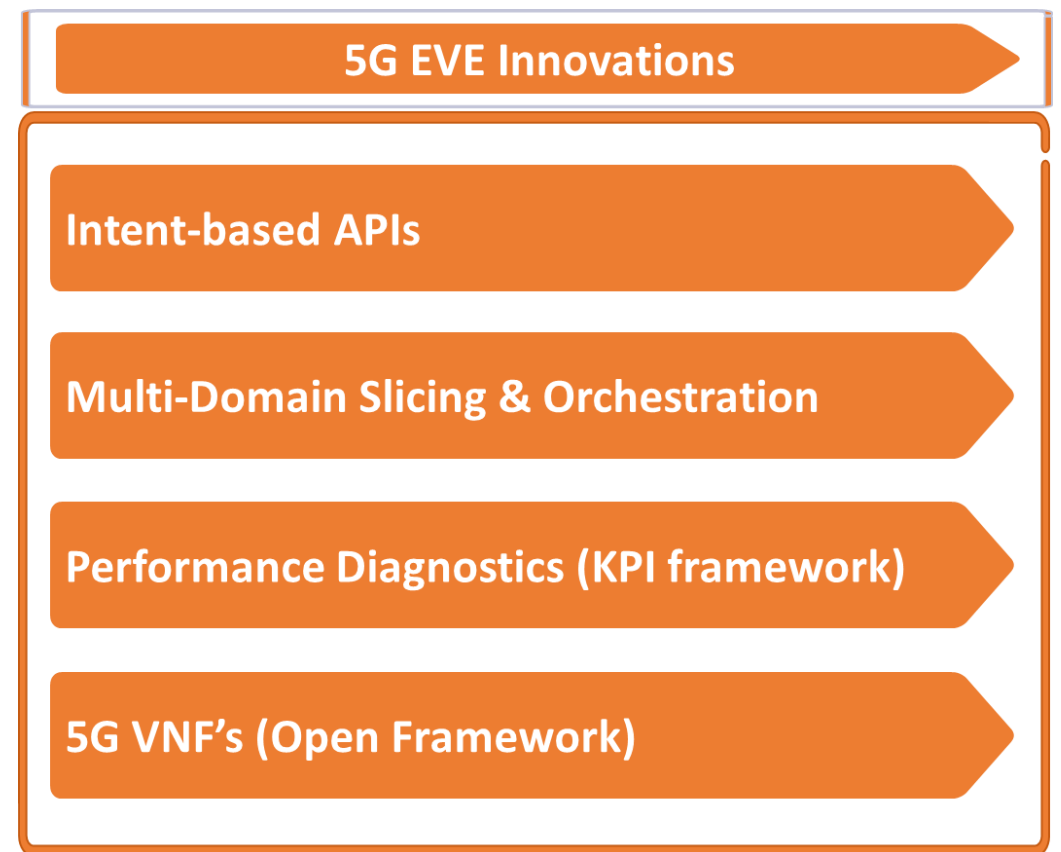


5G EVE

What 5G EVE testbed can support you with Evolving 5G technologies + 5GEVE Innovations



+



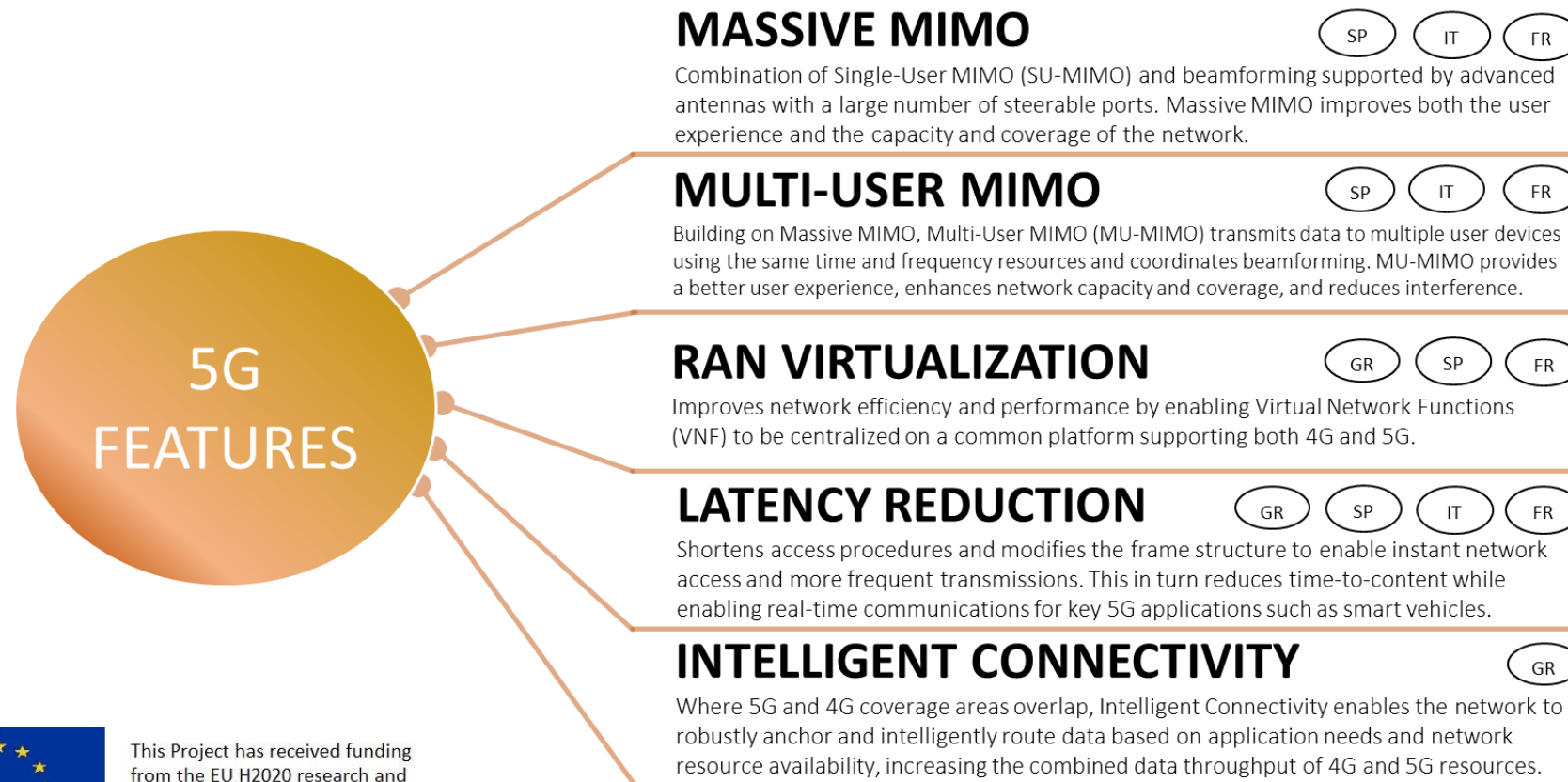
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5G EVE

What 5G EVE testbed can support you with Evolving 5G technologies for ...

Enabling your Validation tests against State-of-the-art 5G Technologies



And these are just a few of the many 5G features supported by 5GEVE testbed



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5G EVE

What 5G EVE testbed can support you with 5G EVE Specific Innovations for ...

Increasing effectiveness and efficiency of your 5G Validation activities

1

Intent-based interface towards verticals

A disruptive intent-based interface to simplify the access to the 5G end to end facility, specifying "what" is asked without details on "how" it is provided.

2

Multi-domain slicing and orchestration

A new orchestration framework with the necessary features able to manage effectively multiple site facilities, dramatically improve efficiency, prevent overload, and easily manage migration of networks components, while meeting performance requirements.

3

Performance Diagnostics (KPI Framework)

A completely new performance diagnosis mechanism and a new monitoring framework enabling the capturing of service and slice performance indicators, providing insight on performance.

4

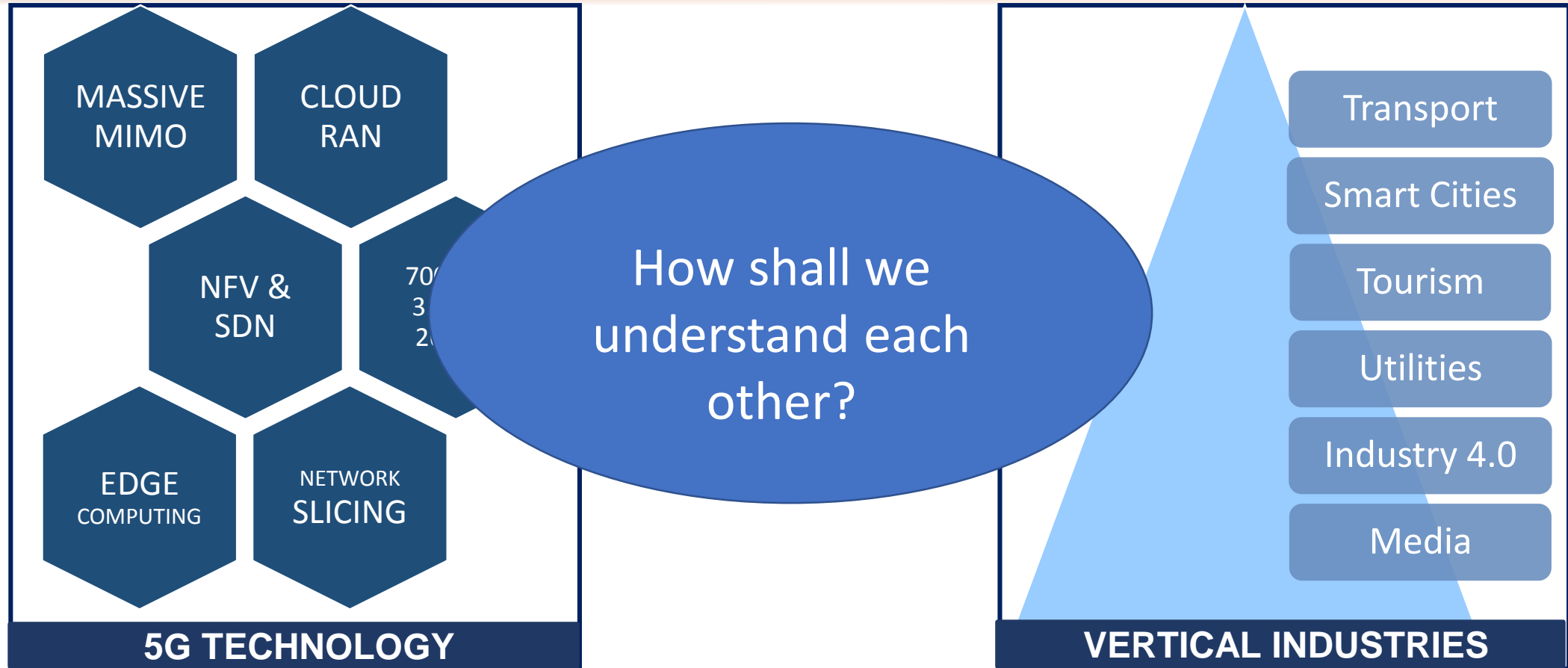
5G VNF's (Openness Framework)

A new framework to provide a modular, reusable set of different SFs enabling the coexistence of proprietary and open source technologies; this will allow the modular replacement and chaining of components implemented with open and novel performance acceleration techniques.



5G EVE: Collaboration Model

1. Joint Specification and Planning of the Trials



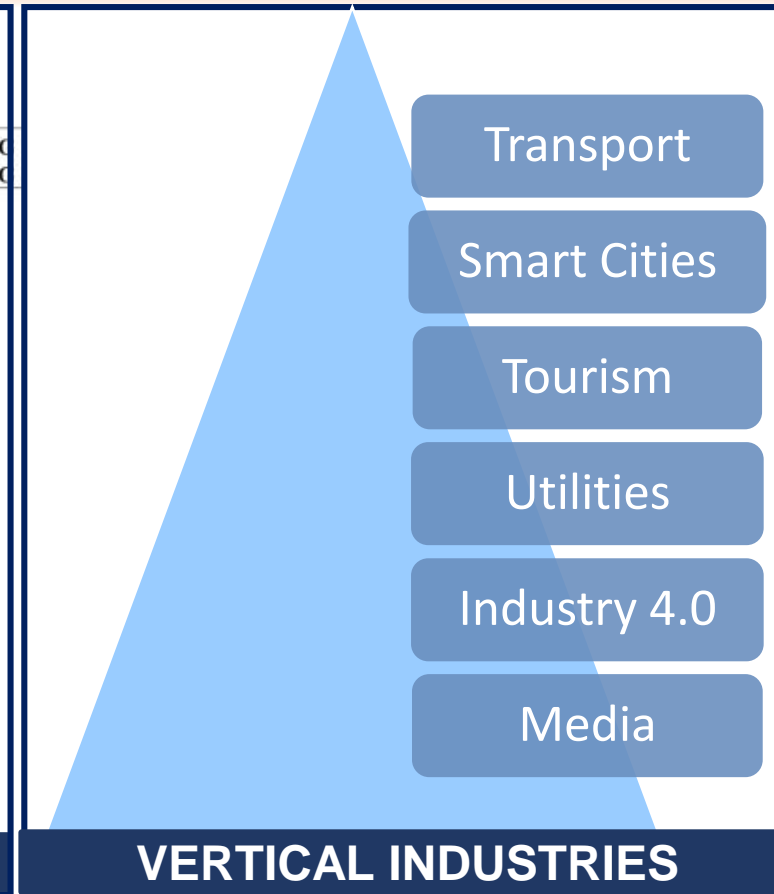
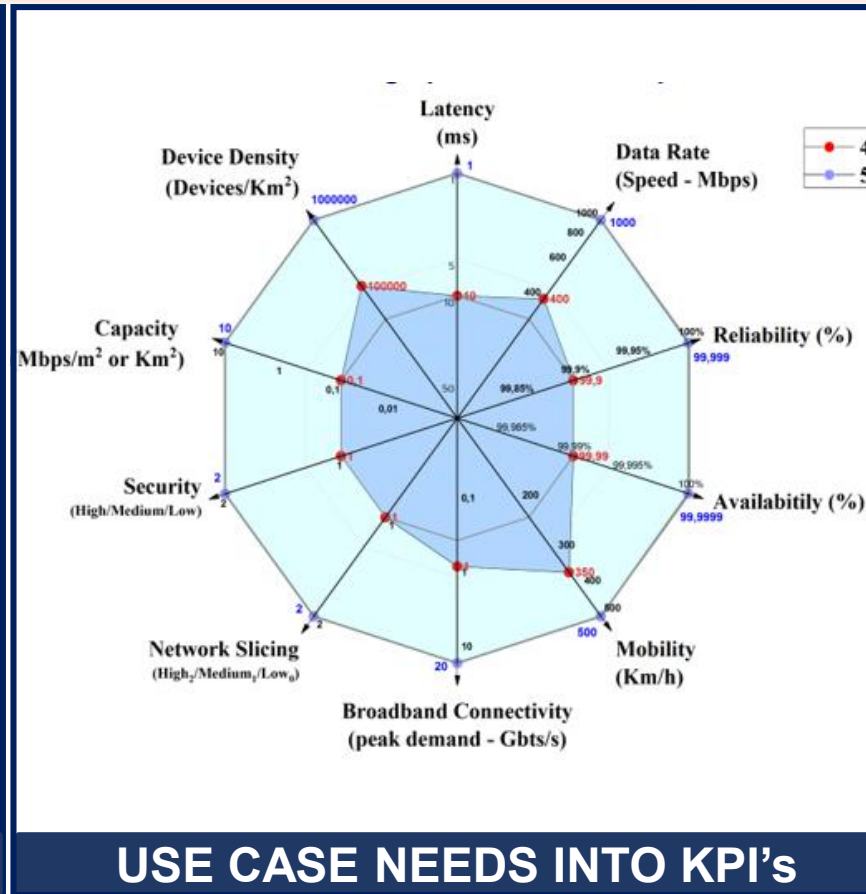
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5G EVE

5G EVE: Collaboration Model

1. Joint Specification and Planning of the Trials

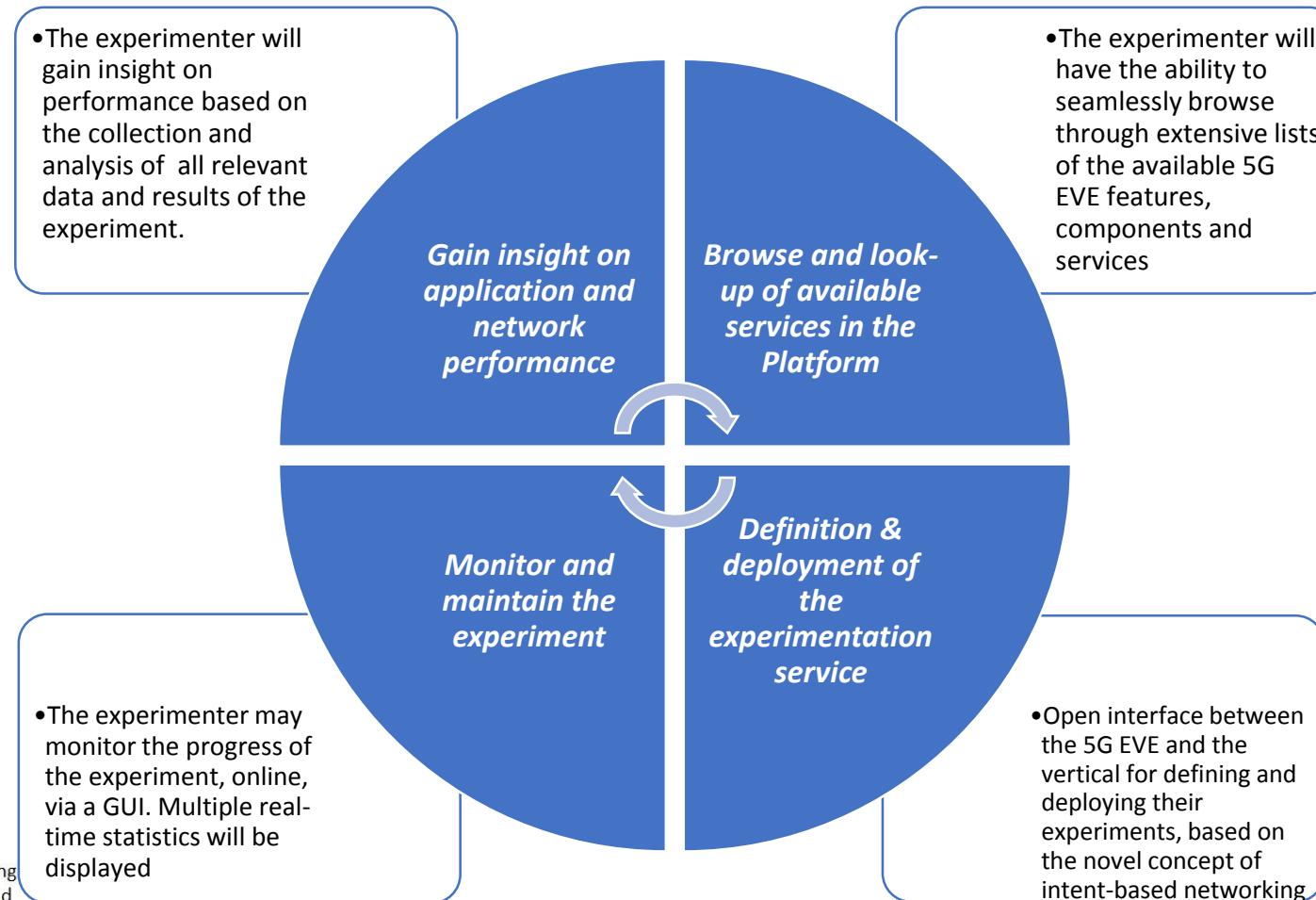


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5G EVE: Collaboration Model

2. Deployment, Execution and Analysis of the Trials



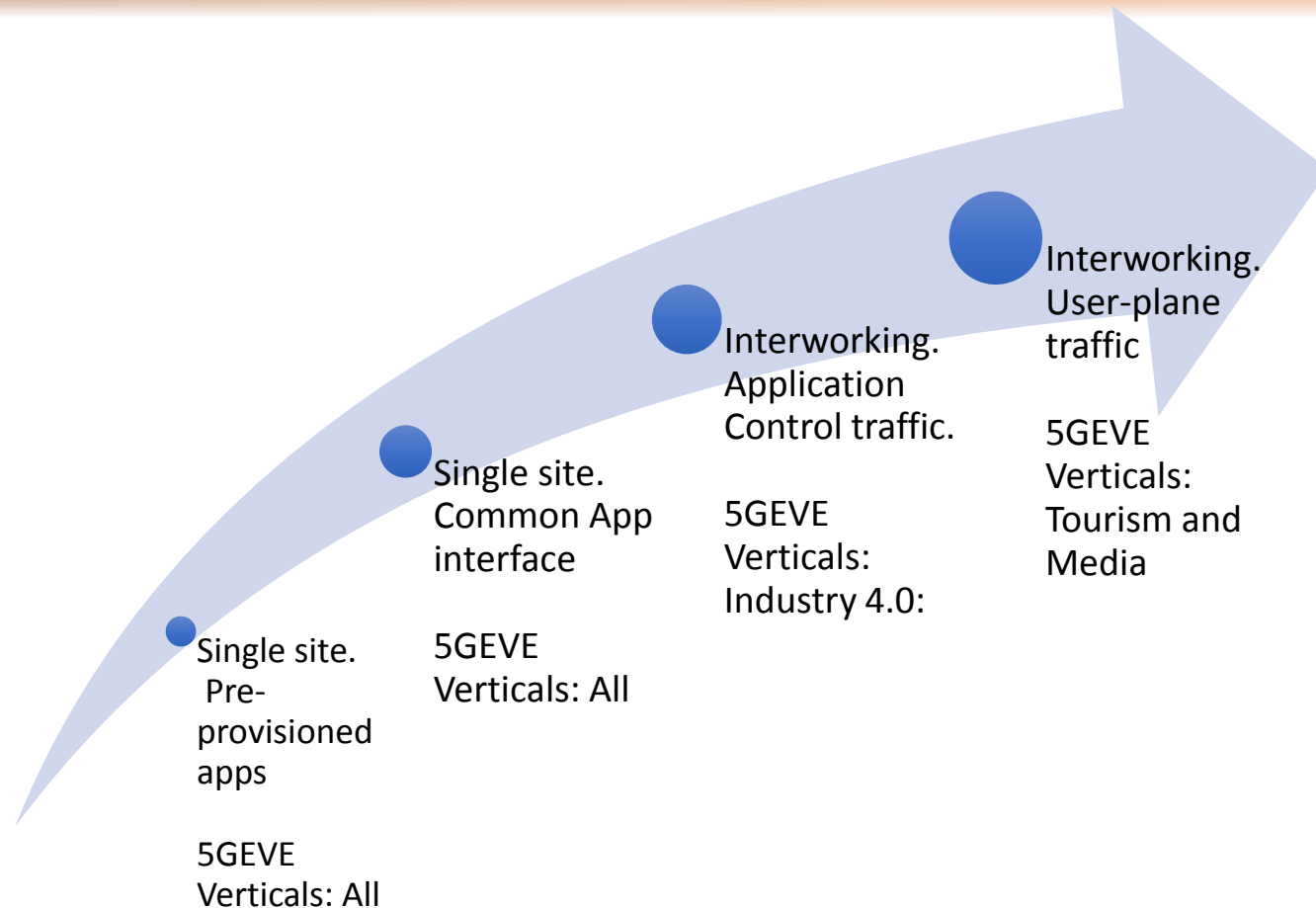
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5G EVE

5G EVE: Collaboration Model

3. Interworking Framework: Levels of support

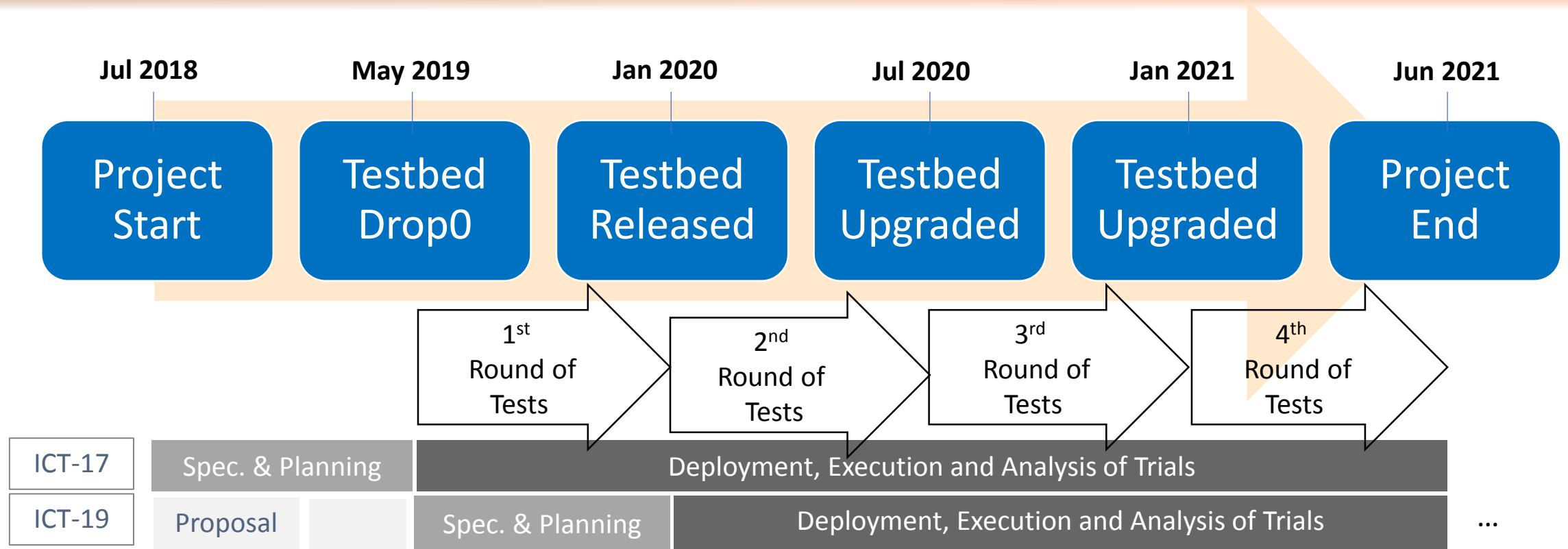


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5G EVE: Collaboration Model

Timeline aspects



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5G EVE

Further information

- 5G EVE Web page:

<https://www.5g-eve.eu/>

- Information on 5G EVE site facilities:

<https://www.5g-eve.eu/end-to-end-facility/>

- 5G EVE contact

<https://www.5g-eve.eu/contact/>





Thank you!



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