5G EVE
5G Infrastructure News

Issue 4 - June 2020

Editorial

Dear reader,

The first six months have not been as we expected in December, when the last edition of this newsletter was published. Like the rest of the world, also the 5G EVE project and its consortium members have been affected by the COVID-19 crisis. Some of the partner countries had been severely hit by the Coronavirus. And every partner had to work under lockdown conditions. Events we had targeted and prepared for were either cancelled, like Mobile World Congress in Barcelona, or held online, like EuCNC. Despite all of these constraints, the project consortium had managed to minimize delays and produce a number of excellent results. In this fourth edition of 5G Infrastructure News, we will share some of the highlights, which the consortium achieved in the first half of 2020.

In the Events section, we present a number of online events, which we either organized ourselves or in which we participated as presenter. In the Results

and the Publications section, we present summaries of the latest public deliverables, which are published on our website as well as our latest explainer video and brochure about the project.

If you would like to stay up-to-date with our activities and results, we recommend to follow us on Twitter, where we regularly post under [@5G_EVE](#) We hope you find the information in our newsletter interesting and valuable, and we look forward to any questions or comments you may have.
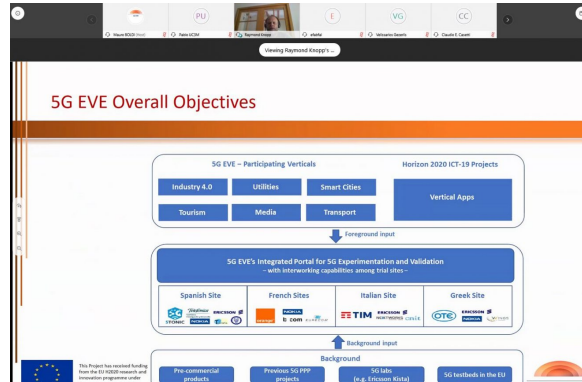
Kind regards,

The 5G EVE Team

EVENTS

First 5G EVE Training Webinar provided overview of 5G EVE infrastructure

The first 5G EVE Training webinar took place on 6th May 2020. There were approximately 70 registered participants from the greater Horizon 2020 research community and in particular several of the 5G PPP use case (ICT-19) projects that are using the 5G EVE infrastructure for vertical field trials. The three-hour session was shared between members from EURECOM, UC3M, IMDEA, CNIT, …

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Collaboration with vertical use case projects – 5G EVE presentation at 5G PPP Technology Board

At the recent 5G PPP Technology Board meeting on 26-27 May 2020, 5G EVE's technical manager Manuel Lorenzo from Ericsson Spain shared the experiences gained in providing the 5G EVE platform to vertical use case experimenters from ICT-19 projects. In his presentation on 26 May, he reported on the progress and learnings from the ongoing collaboration with ICT-19 projects to …

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NSF visit at French 5G EVE site facility in Sophia Antipolis

On 11th and 12th March, a delegation of researchers representing the NSF, the National Science Foundation of the United States, visited EURECOM's open5GLab in Sophia Antipolis, one of the locations of the French 5G EVE site facility. The visit of the US researchers was the second in a series of planned visits to several European research facilities involved in the …

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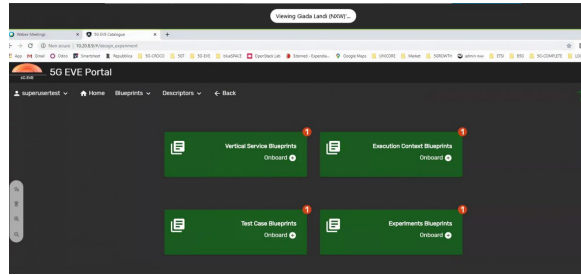# NSF visit at Spanish 5G EVE site facility

On 9th and 10th March, a delegation of researchers from the NSF, the National Science Foundation of the United States, visited the Spanish 5G EVE site facility, the 5TONIC research lab in Madrid. The visit of the US researchers was the first in a series of planned visits to several European research facilities involved in the 5G PPP infrastructure projects. …

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Public premiere of 5G EVE Portal at live online demo

In a webinar on 27 February, the 5G EVE Portal was for the first time demonstrated live to the interested public. 47 participants witnessed the live demo of the 5G EVE portal and validation framework. The demo was presented by Giada Landi from Nextworks, who is deputy technical manager of 5G EVE. After an introduction to the 5G EVE experimentation …
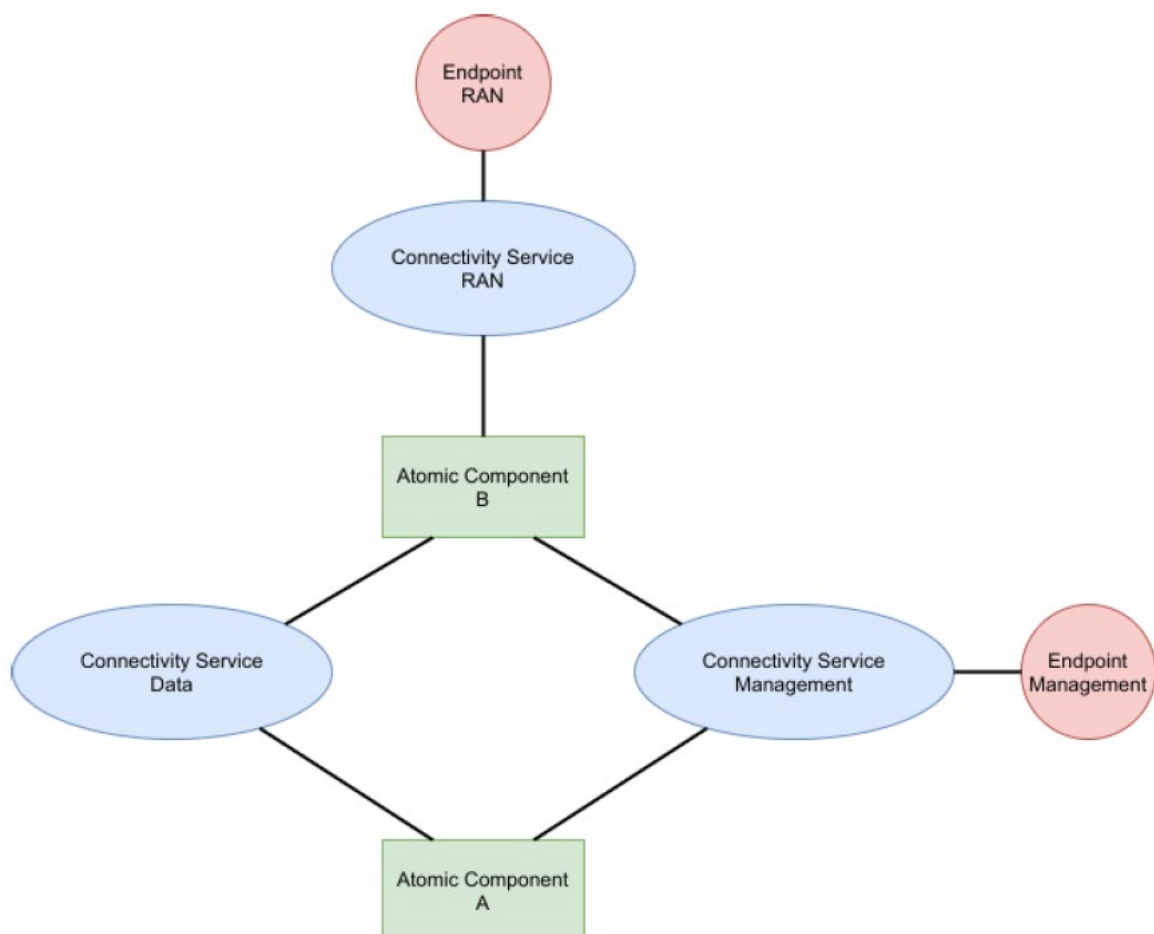
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UPCOMING 5G EVE WEBINARS

RESULTS

Models for vertical descriptor adaptation - Deliverable D4.3

5G EVE Deliverable D4.3 contributes to a concrete step forward in the 5G EVE end-to-end facility implementation. It provides details about how tools described in D4.1 and first integrated in D4.2 are further improved, in order to deliver advanced automation capabilities to the overall facility for the preparation and configuration of an experiment.

The focus of this deliverable is represented by the chains of data model

transformation that allow converting high-level templates presented to the vertical users (the blueprints) into low-level configuration files and actionable items. This transformation process happens in the background, within the portal backend, in a completely automatic fashion. Thus, it allows simplifying the interaction of vertical users with the 5G EVE end-to-end facility, without sacrificing flexibility and possibilities for experiment personalization. Towards that goal, D4.3 specifies how some of the key components in the 5G EVE Portal, namely the Experiment Blueprint Builder, the Portal Catalogue, the Experiment Lifecycle Manager, and the Experiment Execution Manager, already sketched in D4.1 and D4.2, closely interact, in order to provide this level of automation in the definition and configuration of an experiment.
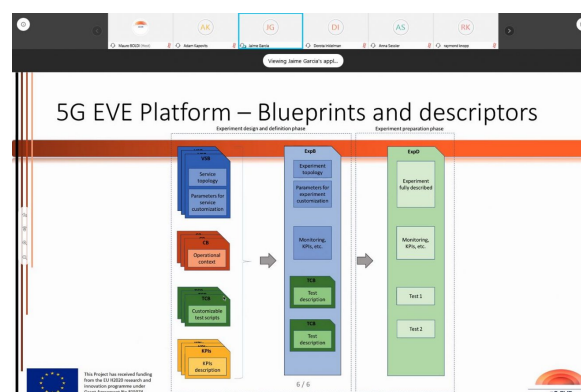
[Deliverable D4.3 for download in PDF format](#)

PUBLICATIONS

Video Recording of 2nd 5G EVE Training Webinar - 23 June 2020

This 5G-EVE infrastructure training webinar was the first to provide an operational experience on the 5G-EVE infrastructure. It focused on remote interaction with the Spanish site at 5TONIC and the Italian site at TIM and CNIT. Further information is available on the 5G EVE Training Webinar page.
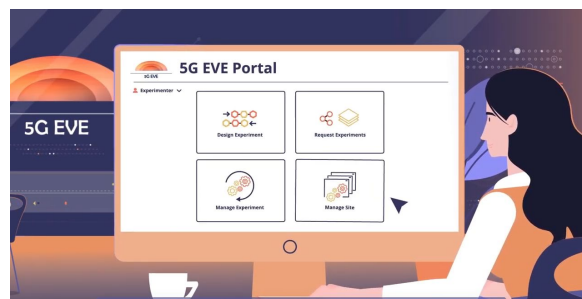
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New video explains 5G EVE Platform

A new video, published on 28 February, explains in about 2 minutes the 5G EVE Platform for 5G testing and validation. 5G EVE's pre-competitive 5G validation platform for extensive trials is designed to enable on-demand testing of innovative 5G-enabled products and solutions for different vertical sectors. Visit the 5G EVE YouTube channel for further project videos.

Read more

New 5G EVE Project Flyer Published

5G EVE has published a new flyer about the project. The 6-page leaflet provides a visual overview on the 5G EVE platform and its capabilities as well as the 4-step process to 5G validation. More specifically, the flyer covers the following topics: 5G end-to-end validation platform for verticals - Vertical use cases 5G EVE Portal - 4-step process to 5G …

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Flyer on 5G PPP trial platform projects published

In February, the 5G Infrastructure Public Private Partnership (5G PPP) published a flyer on the three 5G PPP trial platform projects 5G EVE, 5GENESIS, and 5G-VINNI. The title of the flyer is "5G network support of vertical industries in the 5G Public-Private Partnership ecosystem". The flyer provides information on the key capabilities of the trial platforms, the provided services, the …

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About 5G EVE

5G EVE, the '5G European Validation platform for Extensive trials', is a European infrastructure research project within phase 3 of the 5G Infrastructure Public-Private Partnership (5G PPP). The project ambition is to be instrumental towards the pervasive roll-out of 5G end-to-end networks in Europe. 5G EVE started on 1st July 2018 and runs for 36 months. The 15.7 million euro project is coordinated by Telecom Italia.

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