



5G end-to-end experimentation by verticals in EU projects

Co-organized by 5Growth, 5G-DIVE,
5G-EVE, 5G-VINNI and 5G-TOURS

Carlos J. Bernardos (UC3M, 5Growth Project Coordinator)

9 June 2020

Online workshop





Agenda

- 10:00 – 10:20 Welcome and introductory panel:
“Key challenges and requirements for 5G experiments with verticals”
- 10:20 – 10:50 “How the 5G-EVE platform enables 5G end-to-end experimentation by verticals”
- 10:50 – 11:20 “End-to-end service specification and deployment in 5G-VINNI”
- 11:20 – 11:50 Break
- 11:50 – 12:30 Live online demonstration: “vrAI: AI-driven orchestration of vRAN resources”
- 12:30 – 13:00 “DEEP: An Intelligence and Automation Platform for Edge and Fog Computing Environments”
Demonstration: “Assessing 5G need for Digital Twin Applications”
Recorded demonstration: “EagleEYE: Aerial Edge-enabled Disaster Relief Response System”
- 13:00 – 13:30 Concluding panel: “End-to-end 5G experimentation across multiple EU projects”



Welcome

- **Goal:** share experiences around 5G experimentation with verticals in H2020 5G-PPP phase-3 projects
- Online format due to COVID-19
- More than 200 registrations: thanks!
- This meeting is being recorded and will be posted on 5Growth YouTube channel
- Q&A are allowed (but time limited): please ask using the chat



Introductory panel:

Key challenges and requirements for 5G experiments with verticals

Participants:

- Xi Li (NEC, 5Growth TM)
- Manuel Lorenzo (Ericsson, 5G-EVE TM, 5Growth WP3L)
- Antonio de la Oliva (UC3M, 5G-DIVE PC)
- Marco Gramaglia (UC3M, 5G-Tours)
- Christos Tranoris (Univ. of Patras, 5G-VINNI)



Key challenges and requirements for 5G experiments with verticals

In 3 minutes, please answer (some of) the following to introduce your project experience regarding 5G experiments with verticals:


- What verticals are you working with?
- Can you mention some examples of challenges that you are facing to experiment with 5G and verticals?



How the 5G-EVE platform enables end-to-end 5G experimentation by verticals

Manuel Lorenzo

Ericsson, 5G-EVE TM and 5Growth WP3 leader



End to end service specification and deployment in 5G VINNI

Christos Tranoris

Univ. of Patras, 5G-VINNI



Break

We will resume at 12:00



Live online demonstration: vrAIIn: AI driven orchestration of vRAN resources

Andrés García-Saavedra
NEC, 5Growth WP2L

Marco Gramaglia
UC3M, 5G-Tours



DEEP: An Intelligence and Automation Platform for Edge and Fog Computing Environments

Carlos Guimaraes


UC3M, 5G-DIVE



Demonstration:

Assessing 5G need for Digital Twin Applications

Milan Groshev
UC3M, 5G-DIVE



Recorded demonstration: EagleEYE: Aerial Edge enabled Disaster Relief Response System

Timothy William
NCTU, 5G-DIVE



Concluding panel:

End to end 5G experimentation across multiple EU projects

Participants:

- Xi Li (NEC, 5Growth TM)
- Manuel Lorenzo (Ericsson, 5G-EVE TM, 5Growth WP3L)
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End to end 5G experimentation across multiple EU projects

In 5 minutes, please answer (some of) the following regarding your experience in 5G experimentation in collaboration with other projects:

- Which projects are you collaborating with?
- In your opinion, what is the value of inter-project collaboration?
- What are the main challenges you have faced so far?

Thanks a lot!

