



EVOLVED-5G

NEWSLETTER # 8

(October – December 2022)



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INSIDE THE ISSUE

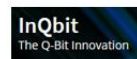
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ISSUE HIGHLIGHTS

The eighth issue of EVOLVED-5G Newsletter presents the project activities during the period October – December 2022 focusing on the communication and dissemination activities, upcoming events, and deliverables.

In numbers, the EVOLVED-5G activities are:

- 2 Journal Papers
- 2 Presentations
- 2 Presentations at Infocom 2022
- 1 Demonstration
- 5GPPP Face-to-Face Meeting
- Accelerator Program and Related Activities
- Pre – Trial Testing
- 3 5GPPP Activities
- 2 Submitted Deliverables
- 2 Upcoming Deliverables
- 1 GA meeting



Communication and Dissemination Activities

Papers

- The EVOLVED-5G journal paper entitled **"The NetApps Certification Environment for 5G and beyond Vertical Ecosystems: The EVOLVED-5G Approach"** was accepted in the IEEE International Globecom 2022. You may find more information online here: <https://globecom2022.ieee-globecom.org/>

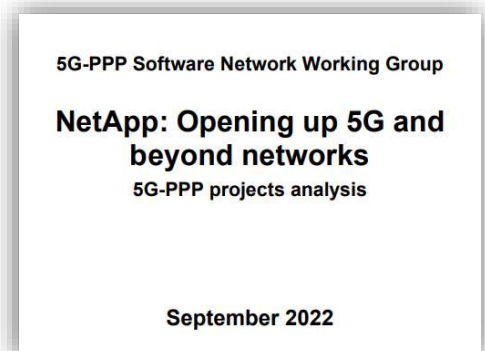


- The EVOLVED-5G journal paper entitled **"STAN: analysis of data traces using an event-driven interval temporal logic"** by UMA has been published at Automated Software Engineering Journal. You may find it online here: <https://link.springer.com/article/10.1007/s10515-022-00367-5>



White Paper

- The paper targeted to demystify the concept of the NetApps. Different implementations have been conducted by the different ICT-41 projects considering different API types and different level of trust between the verticals and the CSP. In this paper, the different approaches considered by the projects are summarized and categorized. Most of ICT-41 projects conveyed their views. In addition, the paper collected the view of some projects from ICT-52 & ICT-42. You may find online here: <https://5g-ppp.eu/wp-content/uploads/2022/10/5G-PPP-Software-Network-White-Paper-V9.pdf>



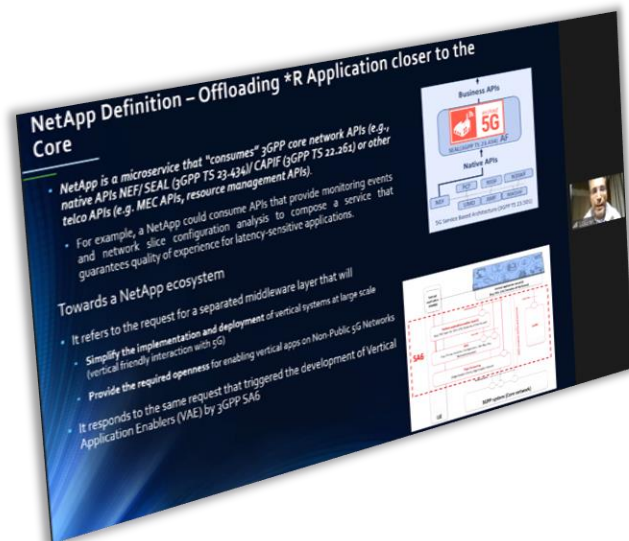
Presentations



Dimitris Tsolkas (Fogus Innovations) Deputy technical manager of EVOLVED-5G project presented "EVOLVED-5G Network Applications Ecosystem" and "CAPIF release 2" during 5GPPP TB in Vouliagmeni, Greece.

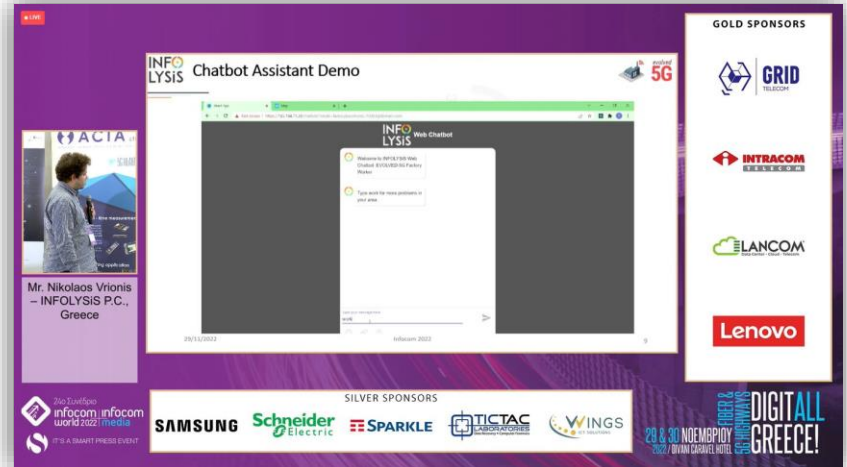


Harilaos Koumaras from "NCSR DEMOKRITOS" EVOLVED-5G technical manager, presented "5G Network Programmability and Openness: A first Step towards 6G with native-AI capabilities" at IEEE Conference on Standards for Communications and Networking which took place on Thessaloniki, Greece on 28-30 November 2022. You may learn more here: <https://cscn2022.ieee-cscn.org/>

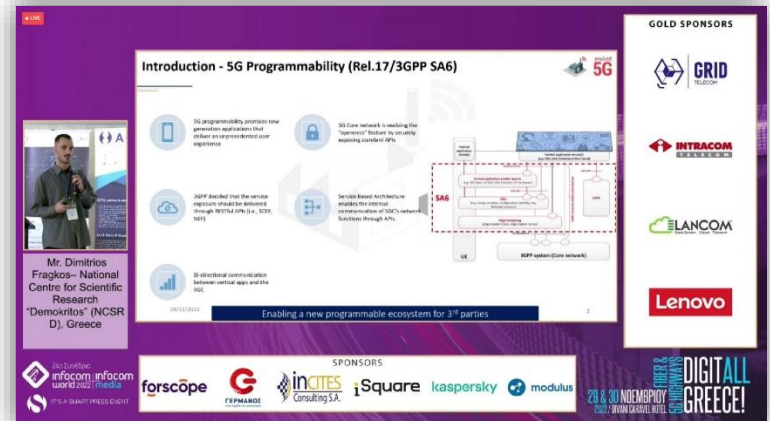
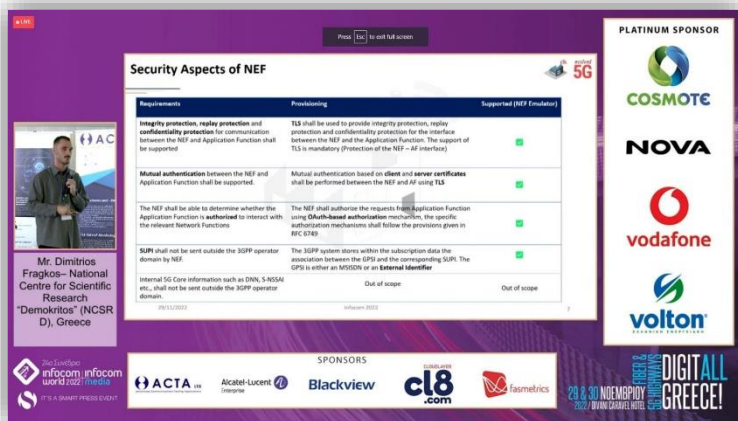


Infocom 2022

- Nikolaos Vrionis from INFOLYSIS, EVOLVED-5G partner, presented "Intent-driven Chatbots for Precise Maintenance in 5G-enabled Industry 4.0 Environments" during 24th Conference InfoCom World "Fiber & 5G Highways: DigitAll Greece". In this session, he shared information about the nature of the chatbot and the way is being used in the context of our project.



- Dimitrios Fragkos from NCSR Demokritos presented "Network Exposure Function simulator: Opening Up 5G network to Verticals", Dimitrios Fragkos, during 24th Conference InfoCom World "Fiber & 5G Highways: DigitAll Greece".



Demonstration



On the last day of IROS 2022, PAL Robotics' CEO Francesco Ferro talked about EVOLVED-5G Project that aims to contribute to industry 4.0 through research on 5G networks to be applied in factories. You may learn more about the event here: <https://iros2022.org/>



5GPPP TB FACE-to-FACE meeting



5G-PPP SB face-to-face meeting took place on October 4 in Athens! Our project coordinator had the chance to make discussions with other ICT-41 projects!



EVOLVED-5G Accelerator Program



EVOLVED-5G consortium was calling for SMEs and Start-ups from Europe to apply for the EVOLVED-5G Acceleration Program, which will help them turn their products/services into scalable businesses by adapting new digital technologies and 5G applications. 20 entrepreneurs and start-ups will be selected to join the 5-month program, starting in January 2023. The EVOLVED-5G consortium through an intensive capacity building program will support its participants, by providing them training and advanced business support, coaching on funding opportunities, technical assistance, and business networking to grow their ventures and expand them across the EU. Applications were open until Monday, December 19th, 2022. You may find more information about our Accelerator Program here: <https://evolved-5g.eu/accelerator-program/>



In the context of the acceleration program several activities took place. Such as articles, posts and one online webinar.

- **Articles**

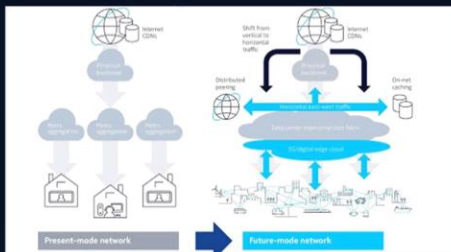
- EVOLVED-5G Accelerator – Applications for the Accelerator Program are now open! (<https://www.epixeiro.gr/article/378792?fbclid>)
- Envolve: On 8/11 the workshop on how 5G technologies accelerate startups and SMEs (<https://www.epixeiro.gr/article/381533>)
- EVOLVED-5G Accelerator Program (<https://5g-ppp.eu/evolved-5g-accelerator-program/>)

- **Webinar**

- EVOLVED-5G Accelerator Program's Info Day on November 8th.

Tech enablers of 5G programmability

- 1. Service-based architecture of the core network
- 2. Cloud native implementation and microservices architecture of the mobile core network
- 3. Continuous Integration and Continuous Delivery (CI/CD) approach in maintaining the core system and its ecosystem



ENIXEIPW Top 15 | How-To | Stories

NEWSFLASH Sato: 1.75% increase in group sales in the nine months

News | Business News 2 min. reading

EVOLVED-5G Accelerator – Applications for the Accelerator Program are now open

Open Call
EVOLVED-5G Accelerator

For **SMEs and Start-ups** from Europe

We can help you turn your service/product into a scalable business by adapting new digital technologies and 5G applications.

Application Period:
17 October – 30 November 2022
Duration: 20 January – 31 May 2023

20 teams will receive:

- Business Training & Support
- Coaching on Accounting
- Funding Opportunities
- Networking & Access to Digital Experts
- Access to Members of the EVOLVED-5G Project

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INFO DAY
EVOLVED-5G ACCELERATOR

5G TECHNOLOGIES FOR SMES & STARTUPS
8 NOVEMBER 2022 | 16.00 - 17.00 CET

SPEAKERS

CHRISTINA SKOUBRIDOU
Project Manager
envolve

JAVIER GARCIA RODRIGO
Innovation Manager, Telefonica
Project Coordinator, EVOLVED-5G Project
Telefonica

DR. HARILAOS KOUMARAS
Research Assistant Professor in Media Networks Laboratory (MediaNet Lab)
MediaNet Lab

DR. DIMITRIS TSOLKAS
Founder & CEO
FOGUS

MARIA G. ANAGNOSTOPOULOS
Project Manager & Financial Analyst
envolve

KONRAD KONCEREWICZ
Head of VC & Startups
vestbee

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5G Network Applications and SME potential

Dr. Dimitris Tsolkas
Founder, CEO Fogus Innovations & Services P.C.
[Technical Manager Deputy, EVOLVED-5G project]



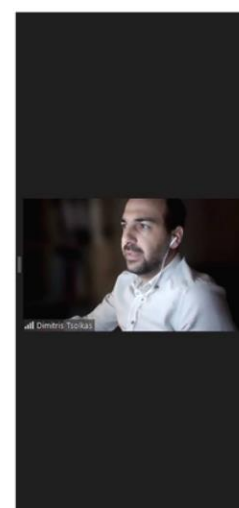
Info Day
EVOLVED-5G Accelerator

5G technology might be all Greek to you. But it's good for business. We can show you how the EVOLVED-5G Acceleration Programme can help you.

For **SMEs and Start-ups** from Europe

8 November 2022
16:00 (CET)
bit.ly/zoom5g

Register now!
Learn about our business accelerator and discuss with 5G experts



Pre - Trial

- INFOLYSiS, GMI AERO, NCSR "DEMOKRITOS" teams had pre-trial tests at the Athens platform, at NCSR campus during December. In specific, the GMI ANITA 4.0 was tested for composite repair processes communication using the Athens platform 5G infrastructure and the INFOLYSIS NetApp and intent driven chatbot were also deployed and tested.



5GPPP ACTIVITIES

5GPPP Newsletter

- October 2022
<https://5g-ppp.eu/newsletter-27-october-2022/>

5GPPP Newsflash

- June October #69
<https://5g-ppp.eu/newsflash-october-2022/>
- July November #70
<https://5g-ppp.eu/newsflash-november-2022/>



Submitted Deliverables

D2.3 Overall framework for NetApp development and evaluation (Public – M22): The final deliverable of WP2 will report all the updates on the design and the requirements based on the feedback from the monitoring methodology and the final version of the validation and certification processes.

D7.4 Standardisation, Innovation, Exploitation and Technology Transfer Activities (Public – M24): Intermediate report on the innovation, exploitation as well as standardization activities of the project

Upcoming Deliverables

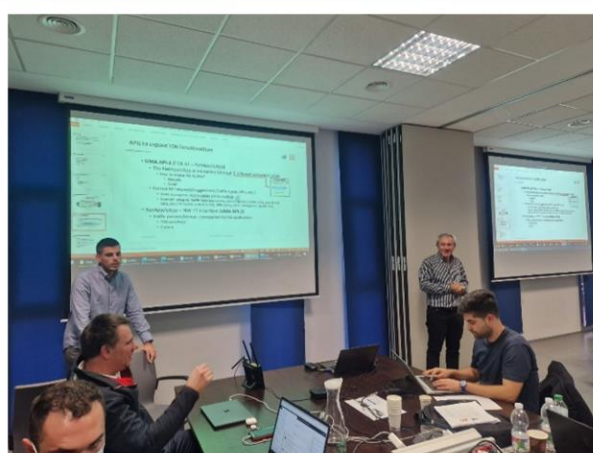
D5.3 NetApps Certification and Release to Marketplace (Intermediate) (Public – M25): Intermediate report on the certification of NetApps and their release to marketplace.

D6.2 Technoeconomic analysis and Stakeholders engaging (Intermediate) (Public – M25): Intermediate report on the technoeconomic analysis (Task 6.3)



7th GA Plenary Meeting

The 7th GA Plenary Meeting took place on December in Malaga. It was a three-day meeting (13-15 December), hosted by University of Malaga. The partners had the chance to make WP presentations and discussions on key points of the project. In this plenary meeting a "Mobile App for NEF evolution" demo-presentation by INFOLYSIS and NCSR "DEMOKRITOS" partners took place. Also, during this GA meeting, partners had parallel technical sessions for all SMEs and the 2 respective platforms (Athens & Malaga). Finally, partners had the chance to take the group photos in the traditional face-to-face way!



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"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016608"

Call: H2020-ICT2018-2020

Topic: ICT-41-2020

Type of Action: Innovation Action

Duration: 36 Months

Start Date: 1 January 2021

