



INTELLIGENT AUTOMOTIVE NETWORK APPLICATIONS

Newsletter April 2024

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5G-IANA: a Horizon 2020 project on 5G Intelligent Automotive Network Applications aiming at providing an open 5G experimentation platform, on top of which third party experimenters, i.e., Small and Medium Enterprises (SMEs) in the Automotive-related 5G-PPP vertical will have the opportunity to develop, deploy and test their services.

Download the flyer to see all the information about 5G-IANA at a glance

1 The seventh issue of 5G-IANA Newsletter summarises 5G-IANA's activities from December 2023 to March 2024.

This issue puts the focus on 5G-IANA's Open Call #2, and in our new Success Stories' section.

During these four months the project has worked intensively so as to assist the 1st Open Call's third parties towards completing their validation activities, while progressing in parallel with the project's use case experiments. The 5G-IANA platform has been enriched with new features, while it is available to the third parties through the project's 2nd Open Call that was released in January 2024 and is currently accepting applications!

This issue also summarises the communication and dissemination activities addressed during this four-month period.



OPEN CALL #2

5G-IANA's Open Call 2024

The Open Call #2 will be awarded on a First Come, First Served basis, so do not miss your chance!

2

5G-IANA's second Open Call has been released! You have all the information and the resources needed [here](#).

Calling all SMEs and startups! The 5G-IANA Project invites you to run your mobility-related experiments on top of our 5G-IANA platform. Through the project's open call which offers a **mentorship program**, we help SMEs to build their experiments and position themselves in the 5G ecosystem. Our mentors guide you through developing, deploying, and testing services on the 5G-IANA platform.

Access a catalogue of Network Functions and Applications, tools for onboarding, and remote 5G radio resources. Benefit from physical On-Board Units, Road-Side Units, real vehicles, and specialized support for AI/ML services. Position your business for success with continuous mentorship and innovative solutions within the 5G landscape. This is your chance to be a part of the future of connected mobility!

If you are selected to take part in our Open Call program, you will:

- Receive funding of 20,000€ to support you in your 5G journey!
- Gain access to a "canvas" to develop new functions and services in the automotive 5G landscape.
- Test and validate your existing or new services or products or use cases in real-time using 5G connectivity.
- Gain access to real-life 5G resources (vehicles, On-Board Units, Road-Side Units, EDGE/MEC Server(s), 5G radio resources).
- Have the option to travel to our 5G testbeds in NOKIA (Germany) or Telecom Slovenia, to conduct your experiments live with our continuous support.
- Get continuous mentorship and support from network and automotive experts.
- Explore/Build new business models within the 5G ecosystem.
- Gain visibility towards the EU, the 5G community and automotive community.

Visit our website and download the **"Open Call Guide for Applicants"** to check all the required information!

OPEN CALL #2
GUIDE for Applications



OPEN CALL #1

5G-IANA's Open Call 2023

3

5G-IANA's first Open Call closed on 17th June 2023, and the winner has been selected

5G-IANA's first Open Call closed on 17th June 2023, and the winner has been selected: congratulations, Link Robotics! You can watch the video about their experiment [here](#), in which they talk about their prototype, VINS-RTK, being tested in Nokia's testbed in Ulm. You can read more about it in our [press release #3](#), and remember you can know more about the testbeds in our [dedicated section!](#)

Testbeds

NOKIA

Ulm, Germany

TELEKOM SLOVENIJE

Ljubljana, Slovenia



5g-iana.eu

4 New section about our Success Stories!

In our new section, you will be able to find a brief description of the use cases, as well as a video of each of them, and also about the experiments in our **5G-IANA platform!**



Do you want to learn more about our success stories?

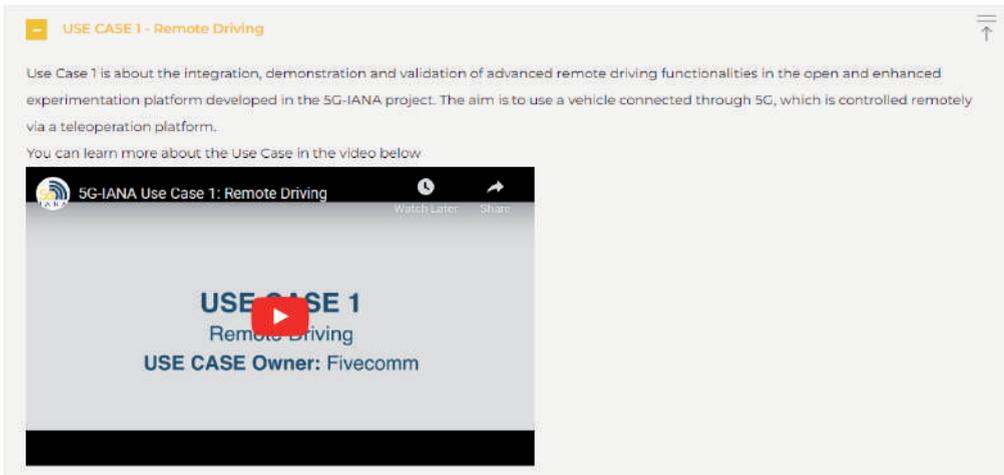
Check on each of our Use Cases and also on the Third Party experimentation platform for more information!

You can also check also our [use case descriptions](#).

- [USE CASE 1 - Remote Driving](#) 
- [USE CASE 2 - Manoeuvres coordination for autonomous driving](#) 
- [USE CASE 3 - Virtual bus tour](#) 
- [USE CASE 4 - AR content delivery for vehicular networks](#) 
- [USE CASE 5 - High-risk driving hotspot detection](#) 
- [USE CASE 6 - Network status monitoring](#) 
- [USE CASE 7 - Situational awareness in cross-border road tunnel accidents](#) 
- [Third Party experimentation - Link Robotics](#) 

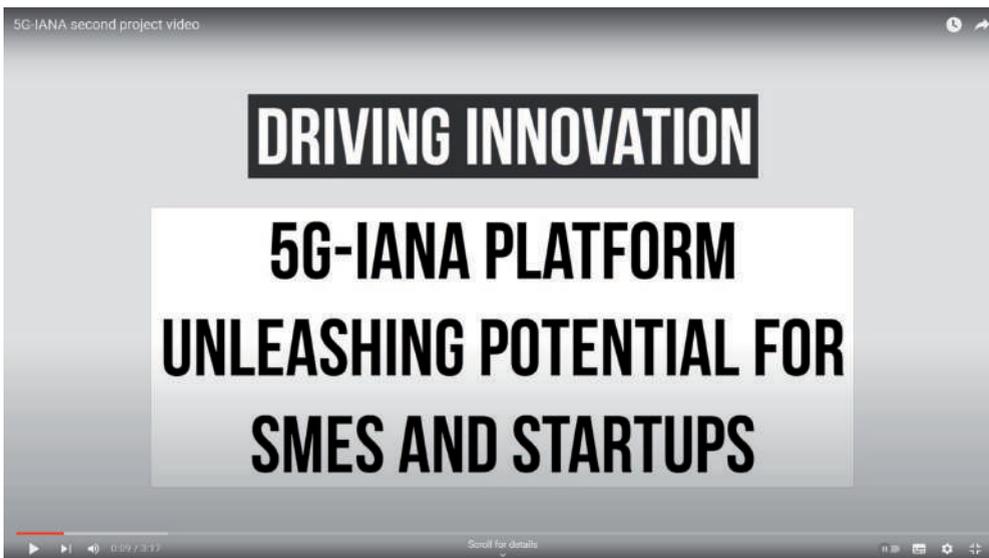


**4.1 Stay tuned for our next videos:
interviews about the use cases!**



We have also released our second project video!

You can **watch it here** to learn about what is going on in 5G-IANA



And keep browsing www.5g-iana.eu we have new features...



5G-IANA PROJECT NEWS

5 Consortium meeting



Consortium meeting



The 5G-IANA consortium travelled to Ulm, in Germany, in January for a review meeting at Nokia's premises. We all enjoyed to see each other again, several demos were presented and it was a very fruitful meeting. The next review meeting will take place on 18-19 July 2024 Ljubljana, Slovenia.



ICT-41 plugfest report

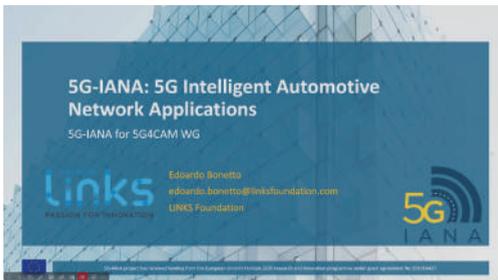


The ICT-41 PlugFest 2023 took place on October 23-24, 2023 in Aveiro (Portugal), and was a very useful event that 5G-IANA used to continue working on some experiments, demonstrating the seamless interoperability between the ICT-41 projects' network applications and the 5G-IANA platform, and vice versa. A full report is coming, stay tuned!!



COMMUNICATION & DISSEMINATION ACTIVITIES

6 Events attended:



5G-IANA was presented in the 5G4CAM WG by our colleagues at LINKS

February 12th, online.



5G-IANA partner Hypertech was present in the 5GMediaHUB Hackathon in Athens

12th March, in order to explore and validate media-specific Network Applications.



5G-IANA was very active in the workshop about 5G innovations for verticals

Contributions on testing and certification, which took place on March 13th in Athens, Greece.

Our colleagues from Ubitech presented the 5G-IANA project as well as what our project makes available for developing and experimenting with Network Applications.



5G-IANA PROJECT EVENTS

7 Events organised by 5G-IANA:



Following our series of Webinars

28th November we successfully organised the Info Day about our Open Call #2.

If you missed it, you can still watch it here.



7.1 Publication



A federated learning approach to QoS forecasting in cellular vehicular communications: Approaches and empirical evidence
 Nehal Baganal-Krishna¹*, Ralf Lübben², Eirini Liotou³, Konstantinos V. Katsaros⁴, Amr Rizk⁵

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³University of Applied Sciences, Germany
⁴Institute of Communications and Computer Systems (ICCS), Greece

Approaches and empirical evidence

"A federated learning approach to QoS forecasting in cellular vehicular communications.

In Computer Networks, 2024.

N. Baganal Krishna, R. Lubben, E. Liotou, K. Katsaros, A. Rizk,



DELIVERABLES

This is the deliverable that was submitted in the last months of 2023:

5G-IANA – D3.2 > Initial report on the integration of the 5G experimentation platforms.

All 5G-IANA public deliverables are available online for download at our website:

<https://www.5g-iana.eu/resources/>.

**So stay tuned to our social media
and webpage for all the updates!**

All 5G-IANA public deliverables are available online for download at our website: [5g-iana.eu/resources/](https://www.5g-iana.eu/resources/).

RESOURCES

Download public deliverables in **our website**





5G-IANA FUTURE EVENTS

The next months will be pretty busy, since the Open Call #2 experiments will be already running!

Also, 5G-IANA will be present in the EUCNC 6G summit, our colleague Konstantinos V. Katsaros from ICCS will present the session "From 5G to 6G Support for CAM". You can read more about it [here](#).

And last but not least save the date for our big final event on October 9th 2024! Stay tuned for this last event, since it will showcase the major results of 3 years of hard work!

