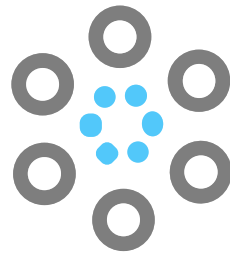




NEWSLETTER

ISSUE 3

July – September 2024



SAFE-6G

A **S**MART AND **A**DAPTIVE **F**RAMWORK FOR **E**NHANCING
TRUST IN **6G** NETWORKS



SAFE-6G project has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101139031



ISSUE HIGHLIGHTS



- ✓ SAFE-6G PROJECT INTRODUCTION
- ✓ COMMUNICATION & DISSEMINATION ACTIVITIES
- ✓ PERIOD DELIVERABLES
- ✓ SNS JU NEWS



The 3rd issue of SAFE-6G Newsletter presents the project’s activities during the third period July-September 2024. This specific issue focuses on the dissemination and communication activities of the period, along with SNS JU/6G SNS News, Period and Upcoming Deliverables.

In numbers, the activities of SAFE-6G during this 3-month period are:

- 2** Events
- 1** co-organized Workshop
- 1** Journal Paper
- 4** Accepted Conference papers
- 1** Press Release
- 1** Upcoming Conference



COMMUNICATION & DISSEMINATION ACTIVITIES

EVENTS

59th NCSR "DEMOKRITOS" Summer School

On the 9th of July, our partner, [FRONT Research Group](#) | [NCSR "DEMOKRITOS"](#) Group of [NCSR "DEMOKRITOS"](#), communicated the SAFE-6G project at the 59th Demokritos Summer School. The Front Research Group of NCSRSD actively engaged researchers and postgraduate students in discussions about SAFE-6G objectives and 6G experimentation during the poster session of the event.



Dr. Harilaos Koumaras, head of FRONT Research Group and Leader of Athens 6G testbed, stated: "We had the opportunity to share SAFE-6G's vision for 6G experimentation with young researchers and postgraduate students, who need access to **6G experimentation testbeds** for performing their research. SAFE-6G, as the **pan-European federated B5G/6G experimentation facility**, can meet this need by offering applied testing and experimentation." The event, which focused on Information Technology and Telecommunications, Nanotechnology and Modern Materials, and Energy, Environment, and Safety, provided a dynamic platform for researchers and postgraduate students to exchange insights, forge new partnerships, and explore cutting-edge innovations. This dissemination activity was supported also by [INFOLYSiS](#), providing communication material and highlighting the significance of 6G to SME innovation for the attendees. The SAFE-6G communication was further enhanced with roll-up banners, leaflets, and stickers.



4th International Workshop on Advances on Privacy Preserving Technologies and Solutions

On the 31st of July, the SAFE-6G project co-organized with 15 other HORIZON and DIGITAL projects, the International Workshop on Adaptive Privacy and Security (IWAPS) 2024, alongside the **ARES Conference** in Vienna, Austria. The workshop provided an excellent platform for networking with industry experts and deepening knowledge on adaptive cybersecurity strategies.



'The 2024 IWAPS brought together researchers, engineers, and practitioners for presenting and discussing the latest advances and innovations in theories, infrastructure, schemes, and applications for secure computation, privacy technologies, security economics, human computer interaction, as well as identified emerging research topics and define the future trends.'

For more information: <https://www.ares-conference.eu/iwaps>

IEEE CAMAD 2024

SAFE-6G technically sponsors **IEEE CAMAD 2024**, which will be held in Athens, Greece, on the 21st -23rd of October 2024. Furthermore, in collaboration with other 9 projects, SAFE-6G supports the Workshop titled **Empowering 6G Networks: Workshop on Advancements in Research Infrastructures, Adaptive Frameworks, and Global Architectural Evolution (ATHENA 2024)**. The first session of the workshop will be chaired by Dr. Harilaos Koumaras from NCSR-D, and the second session will be chaired by Panos Karkazis from the University of West Attica.

In this context the following conference papers have been accepted and will be presented by NCSR-D, Space Hellas, INFOLYSIS and University of West Attica.

1. I. Alexandropoulos, V. Rentoula, D. Fragkos, N. Gkatzios, **'An AI-assisted User-Intent 6G System for Dynamic Throughput Provision'**, in Proc. IEEE CAMAD 2024, October 2024
2. C. Betzelos, D. Uzunidis, H. Leligou, P. Karkazis, **"Enhancing Reliability in 6G Networks Based on User-Driven AI"**, in Proc. IEEE CAMAD 2024, October 2024
3. Apostolis Garos, Nikos Alabasis, Victoria Katsarou, Georgios Gardikis, Dimitris Santorinaos, Maria Christopoulou **'Performance comparison of NWDAF-based security analytics techniques in 5G/B5G networks'**, in Proc. IEEE CAMAD 2024, October 2024
4. Vaios Bolgouras, Aristeidis Farao, Christos Xenakis **'Roadmap to Secure 6G Networks'**, in Proc. IEEE CAMAD 2024, October 2024

Moreover, the following two presentations will take place during the workshop from SAFE-6G partners:

1. Roadmap to Secure 6G Networks – InQbit
2. An AI-assisted User-Intent 6G System for Dynamic Throughput Provision – NCSR-D

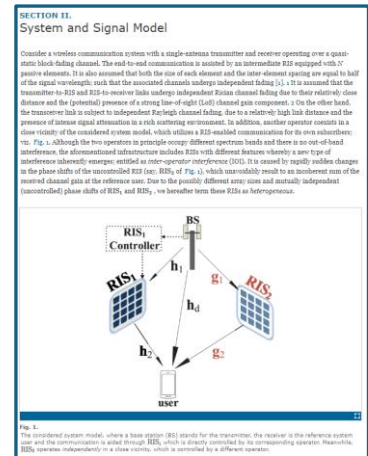
Finally, Dr. Harilaos Koumaras will participate in a panel discussion which will be held on the 23rd, with selected panelists from SNS JU Stream B 01 04 projects.



JOURNAL

IEEE Wireless Communications Letters

Nikolaos I. Miridakis, Theodoros A. Tsiftsis, Panagiotis A. Karkazis, Helen C. Leligou, Petar Popovski, **“Impact of Inter-Operator Interference via Reconfigurable Intelligent Surfaces”**, IEEE Wireless Communications Letters, Volume: 13, Issue: 9, September 2024, DOI: [10.1109/LWC.2024.3425728](https://doi.org/10.1109/LWC.2024.3425728)



PRESS RELEASE

The SAFE-6G project has introduced the Open CAPIF Framework as part of its efforts to enhance security in 6G networks. This new framework provides an open interface for seamless integration and communication between various telecom services, ensuring secure and efficient data exchange. The initiative underscores the importance of security in the evolving 6G landscape and aims to foster innovation and collaboration within the telecommunications sector

You may read it here: https://safe-6g.eu/wp-content/uploads/2024/08/SAFE-6G-Press-Release_Open_Capif.pdf



OPEN SOURCE REPOSITORY

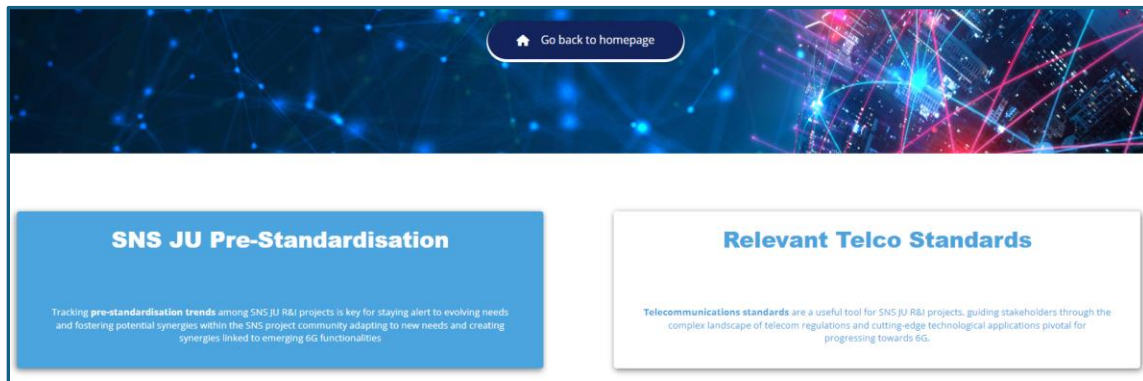
SAFE-6G project is now on ZENODO. You may find our community here: <https://zenodo.org/communities/safe-6g/>. Do not forget to follow us for more material.

Zenodo is a general-purpose research repository where any research output can be shared by its users. Zenodo provides a home for research outputs that doesn't fit into discipline-specific repositories, or where no existing infrastructure exists.

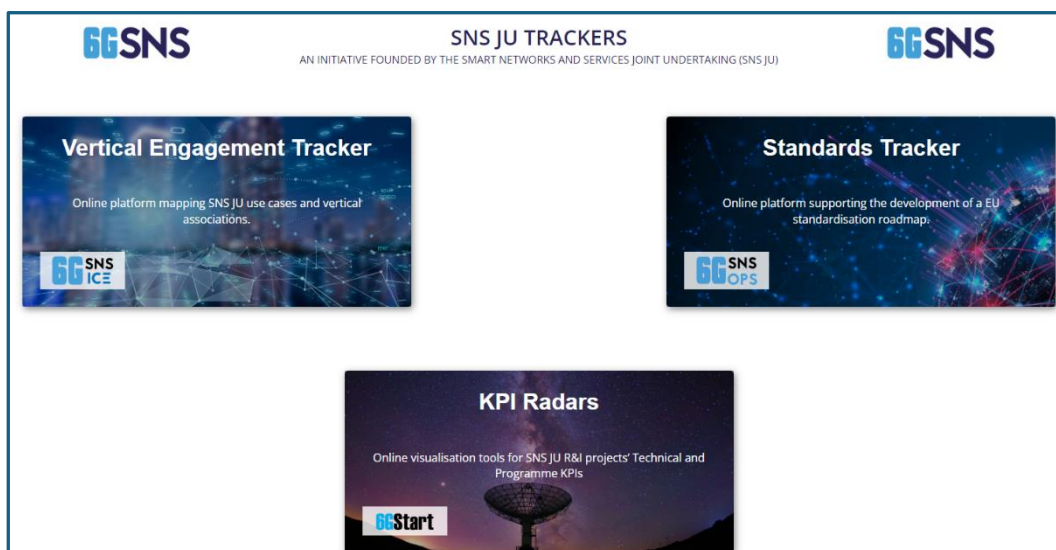


SNS JU/6G SNS NEWS

The **Smart Networks and Services Joint Undertaking (SNS JU)** has launched a new **Standards Tracker** for monitoring the progress of telecommunications standards related to 6G. This tool provides insights into pre-standardization trends, relevant telco standards, and the latest updates from key industry bodies like 3GPP. It serves as a crucial resource for stakeholders and researchers involved in 6G development, enabling them to stay informed about regulatory developments and technological advancements. You may read more here: <https://sns-trackers.sns-ju.eu/standards-tracker>



The **6G SNS Verticals Engagement Tracker is now live!** Explore cutting-edge developments, use cases, and vertical associations in the future of connectivity powered by 6G. This platform, developed by the Smart Networks and Services Joint Undertaking (SNS JU), provides a deep dive into the next-gen tech ecosystem, helping stakeholders navigate the evolution of smart networks. For more information here: <https://verticals-tracker.sns-ju.eu/>



SNS JU NEWSFLASH/NEWSLETTER

- ✓ **SNS JU Newsflash (July 2024):** <https://smart-networks.europa.eu/sns-ju-july-2024-newsflash/>
- ✓ **SNS JU Newsflash (August 2024):** <https://smart-networks.europa.eu/sns-ju-august-2024-newsflash/>
- ✓ **SNS JU Newsflash (September 2024):** <https://smart-networks.europa.eu/sns-ju-september-2024-newsflash/>
- ✓ **SNSJU Newsletter (August 2024):** <https://smart-networks.europa.eu/sns-ju-august-2024-newsletter/>

For more information: <https://smart-networks.europa.eu/sns-newsflash-newsletters/>



PERIOD & UPCOMING DELIVERABLES

D2.1 Definition of Technical Requirements for user-centric 6G Trustworthiness – M8 (PUB)

D6.2 Standardization, innovation, Exploitation and technology Transfer Plan – M8 (PUB)

D2.2 Overall SAFE-6G Framework and Reference Architecture Design – M10 (PUB)

D2.3 Metaverse use-cases definition with virtual-assistant for user-centric configuration – M12 (PUB)

You can find all the Deliverables here => <https://safe-6g.eu/deliverables/>

Disclaimer: Views and opinions expressed are those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission (granting authority). Neither the European Union nor the granting authority can be held responsible for them.

Call: Reliable Services and Smart Security
Topic: HORIZON-JU-SNS-2023-STREAM-B-01-04
Type of action: RIA
Duration: 36 months
Start date: 1 January 2024

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