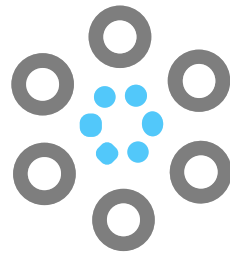




NEWSLETTER

ISSUE 5

January – March 2025



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 5th issue of SAFE-6G Newsletter presents the project’s activities during the third period January - March 2025. 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:

- 1 Event
- 1 Research Paper
- 2 White Papers
- 1 SME WG Brochure
- 1 Advisory Board online meeting
- 1 Plenary Meeting
- 2 Deliverables



COMMUNICATION & DISSEMINATION ACTIVITIES

EVENTS

Mobile World Congress 2025

The Mobile World Congress (MWC) 2025, was held in Barcelona, attracting over 109,000 attendees from 205 countries, marking a record in its history. The event showcased groundbreaking advancements in mobile technology, with a strong focus on foldable devices, multi-folding laptops, and innovative AI-powered features. Discussions emphasized the expanding role of artificial intelligence in enhancing network performance and the evolution of standalone 5G networks, especially for enterprise use.

Cumucore and InQBit re-presented our project at Mobile World Congress 2025. Cumucore stand was located at Finland pavilion and our partners were there to talk about SAFE-6G project and answer to questions.

Moreover, Christos Xenakis, from InQBit had the opportunity to present our SAFE-6G approach to key stakeholders in AI, Networking, and Cybersecurity by:

- ◆ Participating in discussions on the future of secure and intelligent connectivity
- ◆ Exploring cutting-edge innovations shaping 6G technology
- ◆ Strengthening collaborations to drive responsible tech forward.



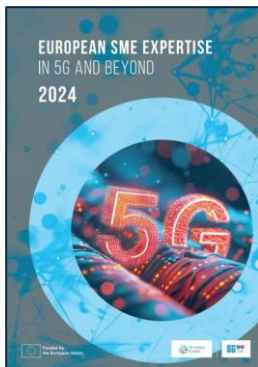
RESEARCH PAPERS

The SAFE-6G journal paper entitled "A User-Centric Perspective of 6G Networks: A Survey" is now available. Find more information here: <https://ieeexplore.ieee.org/document/10795171/>. It was also communicated on the SNS website. You may find it online here: <https://smart-networks.europa.eu/safe-6g-journal-paper-a-user-centric-perspective-of-6g-networks-a-survey-now-available/>



“European SME Expertise in 5G and Beyond 2024” Brochure

The “European SME Expertise in 5G and Beyond 2024” Brochure is now available. Developed by the NetworkEurope SME Working Group in collaboration with the Smart Networks and Services Joint Undertaking (SNS JU) and the 6G Smart Networks and Services Industry Association (6G-IA), this resource serves as a practical tool for industry leaders, research institutions, and policymakers seeking innovative SME partners for collaborative research and innovation projects and business opportunities. Access it and find some familiar names.



Innovative Approaches for 6G Security

The 6G-IA has released a key position paper on 6G networks! It highlights sovereignty, open solutions, security, and sustainability to shape Europe's 6G future.

This paper addresses cutting-edge research and innovative solutions in the realm of 6G security, emphasizing the importance of trustworthiness, privacy, and resilience in future network architectures. Looking at collaborative projects funded by EU through SNS JU calls, it provides a comprehensive overview of 6G security research challenges in scope ranging from distributed cloud systems to physical layer protection. Find it online here: https://6g-ia.eu/wp-content/uploads/2025/01/wg_sec_position_paper-23.pdf



Network and Service Management Advancements white paper

Software is central to 5G and 6G networks, enabling programmability, automation, and intelligent management through APIs, frameworks, and AI/ML integration. APIs ensure seamless interaction across services, while frameworks support scalability, security, and high-performance use cases. 6G networks aim to manage diverse, dynamic slices for various applications, addressing challenges like scalability and SLA compliance with optimized resource allocation. Security mechanisms such as decentralized analytics, SOAR, and threat intelligence sharing further strengthen network trustworthiness, making 6G a flexible, secure, and future-ready platform for innovation.

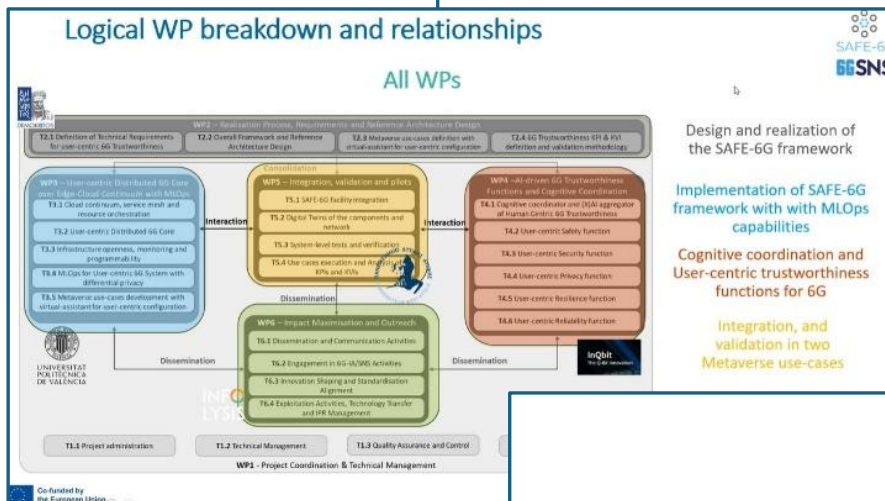
Find the white paper online here: https://smart-networks.europa.eu/wp-content/uploads/2025/01/softnet-whitepaper2024-v1.0_final.pdf



WHITE PAPER
NETWORK AND SERVICE
MANAGEMENT ADVANCEMENTS
Key Frameworks and Interfaces towards Open,
Intelligent and Reliable 6G networks

2nd Advisory Board

On March 17th, the SAFE-6G project held its 2nd Advisory Board Meeting, where partners presented the project's architecture and key advancements. The discussions with our expert advisors provided invaluable insights, reinforcing our mission to build a secure, AI-driven, and resilient 6G ecosystem.




SAFE-6G 4th Plenary meeting

The SAFE-6G plenary meeting was a great success! On February the Consortium came together to discuss key advancements in secure, AI-driven 6G networks. Engaging discussions, insightful presentations, and strong collaboration set the stage for the next steps in our mission. A special highlight was our traditional group photo—capturing the faces driving this innovation forward!



YOUTUBE VIDEO

Check out our new YouTube video! In this video you can find all related information about 6G and our project. Find it online [here](#).



OVERVIEW

RELIABILITY IN 6G
NETWORKS

RELIABILITY FUNCTION ARCHITECTURE

PROCESS
OPERATION

SNS JU NEWSFLASH/NEWSLETTER

- ✓ SNS JU Newsflash (January 2025): <https://smart-networks.europa.eu/sns-ju-january-2025-newsflash/>
- ✓ SNS JU Newsflash (February 2025): <https://smart-networks.europa.eu/sns-ju-february-2025-newsflash/>
- ✓ SNS JU Newsflash (March 2025): <https://smart-networks.europa.eu/sns-ju-march-2025-newsflash/>
- ✓ SNSJU Newsletter (January 2025): <https://smart-networks.europa.eu/sns-ju-january-2025-newsletter/>



PERIOD & UPCOMING DELIVERABLES

D2.3 Metaverse use-cases definition with virtual-assistant for user-centric configuration – M12 (PUB)
D2.4 6G Trustworthiness KPI & KVI definition and validation methodology – M14 (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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