



SNS OPS – Supporting the SNS JU Operations

D5.3: Period 2 Report on events

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Abstract

This deliverable reports on the events supported by SNS OPS in the period 1 February 2024 – 31 March 2025. This deliverable tracks the events in this period that have received support from the project with organisational, dissemination and communication activities and direct participation to the events.

The main goal of event orchestration and participation is to engage all major SNS JU stakeholders so as to ensure exchange of information and debates to achieve coherence and maximum impact of the overall SNS Programme.

In this reporting period, the SNS JU related events took the form of onboarding, networking, clustering, promotional events, and large scale sized global events for bringing the SNS-related communities together.

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Executive Summary

The SNS OPS project started in January 2023 and, as a Coordination and Support Action (CSA), it is involved in the planning, organisation, and participation in a number of events and in assisting the organisation of many others. This deliverable tracks the events during its second period from 01 February 2024 until 31 March 2025 that have received support from the project from organisational, dissemination and communication activities and direct participation to the events.

Along with the 6G-IA, SNS JU, 6GStart and SNS ICE CSA projects, SNS OPS project team has co-created an event tracker which is kept up to date, capturing relevant information on each event and their impacts to the SNS JU community. The deliverable takes information from the tracker related to SNS OPS and expands on the details. A sample page of the events tracker is shown in Appendix 1.

In this period, the majority of the SNS JU projects from Call 1 and Call 2 were running. It also was a period where Call 3 projects were selected and commencing. As a result, there was a combination of events in the period related to presenting project results and also the onboarding process of new projects. Even though the effects of COVID-19 are behind us, the community is still making an effective use of virtual events, while at the same time, there are many events operating in face-to-face mode with a full hybrid option also to attract attendees using virtual tools.

The level of support for the events in this report has been categorised as follows:

F = Full engagement support, which includes organisational, agenda setting, use of platform, speaker / moderator participation, and/or some combination of one or more of these roles.

S = Speaker / Moderator support, including support as speaker and/or moderation role.

A = Attendance support creating impact towards the project and support of SNS JU programme.

Below Table 1 gives an overview of the events supported by SNS OPS in the second period in an easy-to-read tabular format, showing a summary of the events addressed in the deliverable (by section number) and how they have been categorised in terms of support type offered by the project, dates and location of each.

As shown in Table 1, during the second year of the project, the SNS OPS team has provided F-level support to 20 separate events (a number of which were broken into multi-part series events), S-level support to 12 events, and A-level support for 4 events, for a total of 36 events reported here.

Table 1 – Listing of support events in second period of project

Relevant section	Full engagement support event	Date(s)	Location
2.1	Mobile Wireless Congress 2024 (MWC 2024)	26-29-Feb-24	Barcelona, Spain
2.2	NetworldEurope/CCSA Connected Vehicles Workshop @MWC 2024	28-Feb-24	Barcelona, Spain
2.3.1	SNS Webinar – Introducing the Call 2 SNS projects (Part 1 of 2)	07-Mar-24	Online
2.3.2	SNS Webinar – Introducing the Call 2 SNS projects (Part 2 of 2)	14-Mar-24	Online
2.4.1	IAFA Event #4-1 6G Research and Vision	12-Mar-24	Online
2.4.2	IAFA Event #4-2 Interim Steps: 6G Standardisation Requirements.	09-Apr-24	Online
2.4.3	IAFA Event #4-3: Third event on Pre-Standardisation – Next Steps: 6G Trials and Testing - 13 May (Online Event).	13-May-24	Online

Relevant section	Full engagement support event	Date(s)	Location
2.5.1	IAFA#4 - Photonics in 6G systems workshop	10-Apr-24	Brussels, Belgium
2.5.2	IAFA #5 - NTN Workshop	11-Apr-24	Brussels, Belgium
2.5.3	IAFA #6 – Security Workshop	12-Apr-24	Brussels, Belgium
2.5.4	IAFA #7 – Wireless Communications and Signal Processing Workshop	15-Apr-24	Brussels, Belgium
2.5.5	IAFA #8 - Service/Cloud workshop	16-Apr-24	Brussels, Belgium
2.6	EuCNC & 6G Summit 2024	03-06-Jun-24	Antwerp, Belgium
2.7	NetworldEurope/CCSA Future Core - New Potential to Connect Everything Intelligently Workshop	19-Sept-24	Shanghai, China
2.8	IAFA#9 How Advanced Communications Can Support Sustainability Goals Workshop	21-Jan-25	Online
2.9	SNS Call 3 projects onboarding webinar	13-Feb-25	Online
2.10	SNS Webinar – Introducing the Call 3 SNS projects (Part 1 of 2)	13-Feb-25	Online
2.11	SNS Webinar – Introducing the Call 3 SNS projects (Part 2 of 2)	17-Feb-25	Online
2.12	Mobile World Congress (MWC) 2025	02 – 05 Mar-25	Barcelona, Spain
2.13	NetworldEurope/CCSA Autonomous Networks Workshop @MWC 2025	05-Mar-25	Barcelona, Spain
3	Moderator / Speaker support event	Date(s)	Location
3.1	The 6G series workshop by Hexa-X-II	13-14-Feb-24	Online
3.2	6G Symposium Spring 2024	09-12-Apr-24	Kittilä, Finland
3.3	6G and Future Networks conference	06-Jun-24	London, U.K.
3.4	Berlin 6G Conference 2024	02-Jul-24	Berlin, Germany
3.5	SNS JU presentation at the Versailles Saint-Quentin-en-Yvelines University (UVSQ)	01-Oct-24	Versailles, France
3.6	ECSO Days 2024	17-18-Oct-24	Brussels, Belgium
3.7	ETP4HPC DestinE Webinar	18-Oct-24	Online
3.8	IAFA #10 New European Media (NEM) Summit 2024	23-24-Oct-24	Brussels, Belgium
3.9	5G Techritory 2024	30-31-Oct-24	Riga, Latvia
3.10	FUSECO FORUM 2024	07-08 Nov-24	Berlin, Germany
3.11	5G-ACIA Meeting	03-05-Dec-24	Nuremberg, Germany
3.12	ASMS Conference	26-28-Feb-25	Sitges, Barcelona, Spain

4	Attendance support	Date(s)	Location
4.1	SNS Stream B/D Projects Workshop on KPIs and KVIs	16-May-24	Online
4.2	2nd Summit on Security and Privacy in Future Mobile Networks (SECURENET) 2024	21-May-24	Dublin, Ireland and hybrid
4.3	5GSC conference	18-Oct-24	Brussels, Belgium
4.4	EDIH Network Annual Summit 2024	26-27 Nov-24	Brussels, Belgium

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Abbreviations

3GPP	Third Generation Partnership Project
5G	5th Generation Wireless Systems
5GSC	5G for Smart Communities Support Platform
5G PPP	5G Public Private Partnership
6G-IA	6G Smart Networks and Services Industry Association
6Gsec CP²	6Gsec Common Path and Cardinal Points
ASMS	Advanced Satellite Multimedia Systems
BSCW	Basic Support for Cooperative Work
CCSA	China Communications Standards Association
CEF	Connecting Europe Facility
CEPT	European Conference of Postal and Telecommunications Administrations
CSA	Coordination and Support Action
EDIH	European Digital Innovation Hub
EC	European Commission
ECSO	European Cybersecurity Organisation
ETSI	European Telecommunication Standards Institute
EuCNC	European Conference on Networks and Communications
FSTP	Financial Support to Third Party
FTTx	Future of Optical Access Networks
GB	Governing Board
G5GE	Global 5G Event
HEU	Horizon Europe
IAFA	Impact Assessment and Facilitation Action
KPI	Key Performance Indicator
MWC	Mobile World Congress
NEM	New European Media
NTN	Non-Terrestrial Networks
PPDR	Public Protection and Disaster Relief
PSM	Pre-Structuring Model
R&I	Research and Innovation
SB	Steering Board
SCoDIHNet	Smart Connectivity Digital Innovation Hub Network
SNS JU	Smart Network and Services Joint Undertaking
SNS OC TF	SNS Open Calls Task Force
SRIA	Strategic Research and Innovation Agenda
UVSQ	Université Versailles Saint-Quentin-en-Yvelines

1 Introduction

1.1 Purpose and scope

The SNS project started in January 2023 and, as a Coordination and Support Action (CSA), it is involved in the planning, organisation, and participation in a number of events related specifically to the SNS JU and wider 6G research and innovation communities, and in assisting the organisation of many others. This deliverable tracks the events that have received support from the SNS OPS project in its second period from organisational, dissemination, communication activities, and direct participation to the events.

In order to proactively collect the data for events, the project team along with the 6G Smart Networks and Services Industry Association (6G-IA), SNS ICE, and 6GStart CSA has created an online events tracker, which is kept up-to-date capturing relevant information on each event and their impacts to the relevant 5G Infrastructure Public Private Partnership (5G PPP) and SNS JU and wider communities (e.g., project specific, 6G-IA specific, Smart Network Services or SNS-specific). The deliverable takes information from the tracker specifically for the SNS OPS project and expands on the details for the reader in this report. A sample page of the events tracker is shown in Appendix A.

The period of coverage in this deliverable is 1-Feb-2024 to 31-Mar-2025, i.e., the second period consisting of the final 13 months of the project.

1.2 Structure of this document

The deliverable is broken into the following sections:

- **Section 2** highlights events in the period receiving full engagement support, which includes organisational, agenda setting, use of platform, speaker / moderator participation, and/or some combination of one or more of these roles.
- **Section 3** highlights events where the project provided moderator and / or speaker support, including support as a recognised speaker and/or moderation role.
- **Section 4** highlights events where there was attendance support at an event, creating impact towards the project and support of SNS JU.
- **Section 5** “Conclusions” briefly outlines the conclusions and next steps that will be carried out in the remainder of the project.

2 Full engagement support

A number of events were held in the second period that received significant levels of support by the SNS OPS project team, including organisational, agenda setting, speaker / moderator participation, use of platform, dissemination and communications support, and/or some combination of these roles. These events are categorised as **full engagement support** and are highlighted in this section.

2.1 Mobile Wireless Congress 2024 (MWC 2024)

26 - 29 February 2024, Barcelona, Spain,

Short description: MWC 2024 is the largest and most influential annual event for the mobile and wireless connectivity ecosystem. It is the event where tens of thousands of senior executives from the top global companies, research and innovation communities, international governments and trailblazing technology businesses converge at MWC Barcelona to make decisions and carry out extensive networking. A significant achievement of SNS OPS for the SNS JU was the “6G Horizon” session entitled “Bridging Perspectives for a Sustainable Future”, held on 27 February 2024.

Participant(s) role during event: SNS OPS team members played a central role in organizing and executing the event, ensuring its alignment with SNS JU’s goals and vision through:

- **Event branding:** Developing branding materials consistent with SNS JU’s identity and strategic vision.
- **Comprehensive promotion:** Launching a robust campaign across social media, press releases, and targeted outreach to ensure widespread visibility.
- **Organising the participants registration** for the SNS JU session at MWC’24
- **Collecting information on SNS projects presence at MWC** and creating an overview map: Many SNS projects were present at a stand of a project partner organisation or a region. The map gave an overview and orientation as to where SNS project results are presented at MWC.
- **Event management:** Overseeing logistical detail, including the design of presentation templates, session recordings, photography.
- **Live social media coverage:** Engaging a global audience during the event by sharing real-time updates, key quotes, and visuals.
- **Post-event Activities:** Conducting follow-ups such as speaker interviews and disseminating key outcomes to extend the session’s impact. Please find below the recorded interviews:
 - Takeaways from the SNS Session at MWC24 by Erzsébet Fitori².
 - The future of connected world: Europe's vision for smart networks and services". A short interview with Pearse O'Donohue (DG CONNECT Director, European Commission and Chair of the SNS JU Governing Board) and Colin Willcock (Chairman of the 6G Industry Association Board and Vice-Chair of the SNS JU Governing Board)³.
 - Sustainability of 6G: Interview with Marja Matinmikko-Blue, Director of Sustainability and Regulation at 6G Flagship, Research Director, University of Oulu⁴.

Major (lasting) impacts of event: The 90-minute SNS JU session brought together prominent industry leaders, policymakers, and researchers. Esteemed speakers included Pearse O'Donohue (European Commission), Henry Tirri (Nokia), Juan Carlos Garcia Lopez (Telefonica Group), Paolo Murri (TIM), and Marie Hogan (Ericsson).

² <https://youtu.be/Bb10PfCFLj8?si=OMgixCbxiIUZY7ne>

³ https://youtu.be/_2dP7TLgpeo?si=XB-KL0B5x0qOvBv9

⁴ <https://youtu.be/Rkg0KuHAh7g?si=n4IJGSYh040bWgv5>

Info about promotion of event: MWC 2024 was advertised mainly at their main web site at <https://www.mwcbarcelona.com/>. The SNS JU session was also publicised at <https://smart-networks.europa.eu/event/sns-ju-at-mwc-6g-horizon-session/>. The session was also promoted in the February 2024 newsflash at <https://smart-networks.europa.eu/sns-ju-february-2024-newsflash/>. Full event highlights can be found at <https://www.youtube.com/watch?v=fMwHeBZ7WGk>.

2.2 NetworldEurope/China Communications Standards Association (CCSA) Connected Vehicles Workshop @MWC 2024

28 February 2024, Barcelona, Spain, and Hybrid

Short description: MWC2024 “Enablement for Connected Vehicles Workshop” took place on the 28th February 2024, organized by NetworldEurope and China Communications Standards Association (CCSA). The event was organised as a fully hybrid event, online using the zoom access details and an onsite component in Barcelona, Spain, with a number of seats available.

The event aimed to provide an open information space to share current and future views about the theme of connected vehicles, how this theme is being addressed by different stakeholders and sharing the valuable experiences and practices of Europe and China. Two different discussion panels were organized, addressing challenges and evolution, new use cases and technology trends as well as standardization and next step industry developments related to Connected Vehicles. The workshop featured key speakers from industry and academia, representing the views of manufacturers, operators, industry bodies, and research scientists.

Participant(s) role during event: SNS OPS partner Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of NetworldEurope, had the overall responsibility as Co-Chair and speaker and the full organisation of the workshop. This included the following activities:

- the preparation of the agendas.
- contacting the SNS JU, NetworldEurope and CCSA related participants and inviting them to present.
- creating event pages on the NetworldEurope web <https://www.networldeurope.eu/workshop-enablement-for-connected-vehicles-28-february-2024/>.
- announcing the events to the community via the web and social media channels.
- creating the registration forms and monitoring the participant registrations.
- chairing the sessions.
- recording the webinars and making the recorded presentations as well as the presented slides available on the NetworldEurope web site.

Major (lasting) impacts of event: The impact of the event was captured in the final report with the speakers and participants declaring the workshop to be very interesting and provocative and there were a couple of comments which ranged from more futuristic to more operational aspects. There were a lot of areas where both organizations, NetworldEurope and CCSA have a common view, and they felt the necessity to work together towards overcoming the difficulties. The outcomes of the workshop contributed towards the NetworldEurope SRIA2024 document in the chapter entitled Future Emerging Technologies. This report published in December 2024 is available at <https://www.networldeurope.eu/public-consultation-networldeurope-strategic-research-and-innovation-agenda-2024/>.

Info about promotion of event: All presentations, reports and videos are available on the website at <https://www.networldeurope.eu/workshop-enablement-for-connected-vehicles-28-february-2024/>.



Figure 1 – NetworldEurope/CCSA Connected Vehicles Workshop @MWC 2024

2.3 SNS Webinar – Introducing the SNS Call 2 projects

07 March 2024 – 14 March, Online

Short description: The European Smart Networks and Services Joint Undertaking (SNS JU) is a Public-Private Partnership that aims to facilitate and develop industrial leadership in Europe in 5G and 6G networks and services. The SNS JU funds projects that shape a solid research and innovation (R&I) roadmap and deployment agenda by engaging a critical mass of European stakeholders and facilitating international cooperation on various 6G initiatives.

In January 2024, the second phase of its 6G projects was launched, which is critical in establishing a solid research and innovation (R&I) foundation for Europe, defining the next-generation networks.

Two webinars were organized to give an overview of their activities and ambitions. The following sections provide details on each of the events held to introduce the SNS projects.

2.3.1 SNS Webinar – Introducing the SNS Call 2 projects (Part 1 of 2)

07 March 2024, Online

Short description: The first of these webinars was held to present Stream B1 (System Architecture), B3 (Communication Infrastructure Technologies and Devices) and B4 (Reliable Services and Smart Security) projects.

Participant(s) role during event: SNS OPS partners were involved in the organisation and running of the event, with Uwe Herzog, Eurescom as speaker / moderator and Colin Willcock, 6G SNS GB Chair, 6G-IA Chair, gave a welcoming presentation to the event.

Major (lasting) impacts of event: After a presentation of the orientations of the Streams B1, B3, and B4, there were presentations made from five B1 projects, four B3 projects, and five B4 projects, with each session followed by questions and answers. The event was attended by 72 persons at its peak.

Info about promotion of event: This event was advertised in the SNS community, including slides and videos of the content, at <https://smart-networks.europa.eu/event/introducing-the-call-2-sns-projects-part-1-of-2/>. The playlist recording of the event can be found on the SNS JU YouTube channel at <https://www.youtube.com/playlist?list=PLdoUExp7oG-4Uj-2bMsmr5KxzXw3aBGln>. The webinar

was promoted in the newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-march-2024-newsflash/> and <https://smart-networks.europa.eu/sns-ju-february-2024-newsflash/>).



Figure 2 – Advertising the SNS Call 2 projects introduction webinars

2.3.2 SNS Webinar – Introducing the SNS Call 2 projects (Part 2 of 2)

14 March 2024, Online

Short description: This was the second of a series of webinars to introduce the launch of the second phase of SNS JU 6G projects to give an overview of their activities and ambitions.

Participant(s) role during event: SNS OPS partners were involved in the organisation and running of the event, with Kostas Trichias and Alex Kaloxylas of 6G-IA as speakers / moderators and Colin Willcock, 6G SNS GB Chair, 6G-IA Chair, gave a welcoming presentation to the event.

Major (lasting) impacts of event: The second of these webinars presented Stream B2 (Wireless Communication Technologies and Signal Processing), B5 (Microelectronics-based Solutions for 6G Networks), B6 (EU-US 6G R&I Cooperation), C (Complementary SNS experimental Pan-EU federated Infrastructure), D (SNS Large Scale Trials and Pilots with Verticals) and CSA (SNS Societal Challenges) projects. The event was attended by 83 persons at its peak.

Info about promotion of event: This event was advertised in the SNS community, including slides and videos of the content, at <https://smart-networks.europa.eu/event/sns-webinar-introducing-the-call-2-sns-projects-part-2-of-2/>. The playlist recording of the event can be found on the SNS JU YouTube channel at <https://www.youtube.com/watch?v=2HsLwP3Rewo>. The webinar was promoted in the newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-march-2024-newsflash/> and <https://smart-networks.europa.eu/sns-ju-february-2024-newsflash/>).

2.4 IAFA EVENT SERIES – A Series of 3 events on pre-Standardisation

12 March 2024 – 13 May 2024, Online

Short description: This Impact Assessment and Facilitation Action (IAFA) series of events focused on the initial phase of 6G technology, highlighting the latest research and the future goals for 6G, while considering lessons learned from 5G deployments and service evolution. It aims to address the challenges and opportunities in the early stages of 6G development, discussing the potential applications and innovative aspects that 6G could bring to various industry sectors. Experts shared insights into how 6G could transform communication systems and services, and the importance of aligning this new technology with the specific needs of different industries.

Participant(s) role during event: This online workshop series, organised by [SNS OPS](#), led by partners Eurescom and Trust-IT, as part of its Impact Assessment and Facilitation Action (IAFA) initiative in collaboration with [ETSI](#) and [HSbooster.eu](#), tackled relevant topics linked to challenges in standardisation in the context of 5G/6G developments. The events featured the participation of experts

sponsored through HSbooster.eu premium service programme and addressed topics such as SDOs' future 6G Agendas, SDOs 6G Work Items, verticals and standardisation, including the advancements and support of services enabled by 5G and 6G.

Major (lasting) impacts of event: The standardisation of 5G and the advancement towards 6G technologies pose considerable challenges, particularly in meeting the diverse requirements of industry verticals ranging from automotive to public safety. Ensuring these technologies and their services align with end-user needs requires a meticulous standardisation process, accounting for the capabilities and performance characteristics vital for different applications. This event highlighted the importance of collaboration between industry experts and standardisation communities to produce globally recognised standards that facilitate interoperability and enable the full potential of 5G and 6G applications.

The evolution towards 5G Advanced in the shift from 5G to 6G propelled by the Smart Networks and Services Joint Undertaking (SNS JU) emphasises the strategic role of European contributions in shaping the global standardisation ecosystem, a critical factor for maintaining competitive advantage in telecommunication systems and services. The evolution towards 6G is posed to significantly influence business sectors and societal functions, emphasising the need for multi-stakeholder collaboration. In the SNS context, the 6G-IA pre-standardisation working group aims to align with key standardisation bodies to ensure European stakeholders continue to be influential in the rapidly developing landscape of mobile communications.

Key themes that have emerged throughout the three events were collected for a final report, which was distributed at the HSbooster.eu booth at the [EuCNC 6G Summit](#) in June 2024. This final report is available for download at [6G Pre-standardisation: Challenges, requirements and future steps](#).

Info about promotion of event: Each session had a dedicated web page, which are detailed below in the individual session's descriptions. The webinars were promoted in newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-february-2024-newsflash/>, <https://smart-networks.europa.eu/sns-ju-april-2024-newsflash/>)

2.4.1 IAFA EVENT SERIES #4-1 – First Steps: 6G Research & Vision

12 March 2024, Online

Short description: This first event focused on the initial phase of 6G technology, highlighting the latest research and the future goals for 6G, while considering lessons learned from 5G deployments and service evolution. It aims to address the challenges and opportunities in the early stages of 6G development, discussing the potential applications and innovative aspects that 6G could bring to various industry sectors. Experts will share insights into how 6G could transform communication systems and services, and the importance of aligning this new technology with the specific needs of different industries.

Participant(s) role during event: This online workshop series, organised by [SNS OPS](#), led by partners Eurescom and Trust-IT, as part of its Impact Assessment and Facilitation Action (IAFA) initiative in collaboration with [ETSI](#) and [HSbooster.eu](#), tackled relevant topics linked to challenges in standardisation in the context of 5G/6G developments. The events featured the participation of experts sponsored through HSbooster.eu premium service programme and addressed topics such as SDOs' future 6G Agendas, SDOs 6G Work Items, verticals and standardisation, including the advancements and support of services enabled by 5G and 6G.

Major (lasting) impacts of event: This first event in a series of events tackling this evolution in shaping global standardisation has kicked off these important activities.

Info about promotion of event: This event was advertised in the SNS community (including link to the agenda, presentations and recording of the webinar) at <https://smart-networks.europa.eu/iafa-event-series-4-1-a-series-of-3-events-on-pre-standardisation/> and in February, April and May 2024 newsflashes and newsletters at <https://smart-networks.europa.eu/sns-ju-february-2024-newsflash/>, <https://smart-networks.europa.eu/sns-ju-april-2024-newsflash/>, <https://smart-networks.europa.eu/sns-ju-may-2024-newsflash/>.

2.4.2 IAFA Event #4-2 Interim Steps: 6G Standardisation Requirements.

09 April 2024, Online

Short description: This second Impact Assessment and Facilitation Action (IAFA) event in the Pre-standardisation series focused on emerging 6G standardisation requirements and work items in the attempt to harmonise efforts between R&D projects and SDOs, with specific input on European SDOs. Emphasising the importance of collaborative efforts in research and development for 6G, this workshop's aim was to foster discussions on how ongoing research projects can contribute to the creation of standards. Through an interactive format, standardisation experts interacted with participants to explore the landscape of standardisation work items, addressing emerging challenges such as integration between NTN and non-NTN, network automation efforts and challenges for security.

Participant(s) role during event: The IAFA event was organised by SNS OPS in collaboration with [ETSI](#) and [HSbooster.eu](#), being led by Trust-IT and Australo team members of SNS OPS.

Major (lasting) impacts of event: The event started with a session on [SMEs and standardisation: The role of SMEs in the shaping of standards](#) led by Jessica Carneiro (Project Manager at AUSTRALO / NetworkEurope chair). A session followed where a number of insights were presented by the following projects: [PREDICT-6G](#) (Carlos Bernardos), [5G EPICENTRE](#) (Thanasis Charemis), and [Int5Gent](#) (Luis Miguel Contreras). A presentation followed on [AI-Native 6G Architectures: Research Challenges and SDO opportunities](#) by Tasos Dagiuklas (Head of Cognitive Systems Research Centre at London South Bank University). A final session was held on [Matchmaking during Transition: Moving from 5G to 6G, how we can Synergize Major R&D Outputs with Standardization Workstreams](#) chaired by Muslim Elkotob (Principal Solutions Architect at Vodafone).

Info about promotion of event: The event was promoted on the site <https://smart-networks.europa.eu/event/iafa-event-on-pre-standardisation-4-2-interim-steps-6g-standardisation-requirements/> and a link to the agenda and recorded webinar can be found on the site.

2.4.3 IAFA Event #4-3: Third event on Pre-Standardisation – Next Steps: 6G Trials and Testing

13 May 2024, Online

Short description: This third and concluding Impact Assessment and Facilitation Action (IAFA #4-3) event in the Pre-standardisation series explored the relationship between 6G pre-standardisation and large-scale trials, already a central topic of R&D projects under the SNS JU Phase I, specifically from stream C ([SNS Experimental Infrastructure](#)) and stream D ([Large-Scale SNS Trials and Pilots](#)).

Participant(s) role during event: The IAFA event was organised by SNS OPS in collaboration with [ETSI](#) and [HSbooster.eu](#), being led by Trust-IT.

Major (lasting) impacts of event: In addition to presenting the standardization challenges and opportunities in Stream C and Stream D, how Data Spaces and Data Sharing are Playing a Role in Green Use Cases and Standardization, and a roadmap towards Sustainability SDG Goals in 6G, the event introduced an array of tracking tools being developed by the 6G-Start, SNS-ICE and SNS-OPS CSA projects. These tools are designed to map relevant use cases, vertical associations, and pre-standardisation efforts within 5G and 6G projects.

As this event wraps up this short series, key themes that have emerged throughout the three events were collected for a final report, which was distributed at the HSbooster.eu booth at the [EuCNC 6G Summit](#) in June 2024. This final report is available for download at [6G Pre-standardisation: Challenges, requirements and future steps](#).

Info about promotion of event: The event was promoted on the site at <https://smart-networks.europa.eu/iafa-event-series-4-3-third-event-on-pre-standardisation-next-steps-6g-trials-and-testing/> and <https://smart-networks.europa.eu/sns-ju-may-2024-newsflash/>. A link to the agenda and recorded webinar can also be found on the site.

2.5 6G-IA IAFA Series of workshops

10 – 16 April 2024, Brussels, Belgium

Short description: The SNS JU 1 is in the transition from

- Phase 1 of exploration, concepts definitions, end-to-end concepts and applications to
- Phase 2 of detailed design, system optimization, business enablement and automation beginning of 2025 and
- Phase 3 of full 6G system, evolution adaptation and efficiency from 2027.

Therefore, over the period 10 – 16 April 2024, 6G-IA organised a series of workshops with stakeholders in different technology domains such as micro-electronics, NTN (non-terrestrial networks), photonics, security, service provision and cloud and wireless Communication to contribute to the orientation of the SNS JU for the period 2025 to 2027. This section reports on those events.

Participant(s) role during event: SNS OPS partner 6G-IA was involved in the organisation and invitations for these workshops.

Major (lasting) impacts of event: In these workshops, more than one hundred experts from key stakeholders from the private side, along with representatives from DG-CNECT, the SNS Office and related EC partnerships and Associations (e.g., Chips JU, Photonics 21) worked together to create a three-year roadmap for key R&D priorities in these important 6G related scientific and technological areas.

Info about promotion of event: All the above-mentioned workshops created a dedicated set of reports that are available online at <https://6g-ia.eu/strategic-consultation-workshops/>. The results of these workshops played a key role in the formulation of the SNS priorities by including them in the two consultations with the 6G-IA members and were also made fully publicly available.

These IAFAs made it possible to extend the involved community of experts to collectively discuss and design these R&D roadmaps, setting a solid basis for future research activities. Follow-up calls with the experts took place during November 2024, to inform them about how their views were adopted in the SNS planning. Moreover, it has been agreed to repeat this exercise during Spring 2025 to further validate and fine-tune the roadmaps, based also on the recently NetworkEurope SRIA report that was released in December 2024. This report is available at <https://www.networkeurope.eu/public-consultation-networkeurope-strategic-research-and-innovation-agenda-2024/>. The report was also promoted in newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-january-2025-newsletter/>) and in the SNS Journal 2025.

2.5.1 IAFA – Photonics in 6G systems workshop

10 April 2024, Brussels, Belgium

Short description: The IAFA workshop on Photonics in 6G systems had the following objectives:

- develop a list of technical priorities for research and innovation for photonics in 6G and
- to identify synergies with other instruments such as other JUs, PPPs, IPCEI, EUREKA Clusters, national programs and other initiatives (especially in the timeframe of the next 3 years).

The expected outcome was to addresses these questions:

- What is currently missing for 6G (not already covered by SNS), this could be either new topics or similar topics as in former calls but for higher TRLs?
- What are the orientations for the next three years?
- How these orientations are prioritized with respect to relevance due to potential budget constraints, what is essential and what has lower priority?
- How this could be implemented in a structured way in the
 - short-term 2025,
 - medium-term 2026 and

- long-term 2027

by the SNS JU and other related instruments, also depending on the TRL expectations e.g., pilot lines, IPCEI etc.).

Participant(s) role during event: SNS OPS partner 6G-IA was involved in the organisation, invitations, and reporting for this workshop.

Major (lasting) impacts of event: A full report was produced and contributed to the adoption of the SNS roadmap planning. The links for the reports are shown above.

Info about promotion of event: See above links.

2.5.2 IAFA #5 - NTN Workshop

11 April 2024, Brussels, Belgium

Short description: Time has now come to define the second half of SNS implementation and to update the R&I strategy and objectives for the key technologies and services targeted by future 6G systems in the light of global development. In this context, 6G-IA organised a dedicated NTN workshop to help defining the main objectives and scope of future work on NTN under the second part of the SNS implementation roadmap, and how possible synergies with other initiatives may be leveraged, taking into account the SNS budget limitations¹ for a domain where R&I is highly capital intensive, especially for what concerns demonstration and validation activities. To that end, 6G-IA invited a panel of European experts in the field who provided their views for possible future actions. In conclusion, it was proposed to focus the next stages of NTN activities under the SNS-JU on a “TN-NTN Unification Initiative” that would cover architectural and technological issues requiring a very tight cooperation between the SNO and the MNO’s, towards a seamless TN-NTN communication continuum, and catering for a multiplicity of possible business models across the various domains. The initiative should eventually deliver end to end service capabilities either through a TN segment or through an NTN segment, depending on relevant parameters including coverage, RT or NRT constraints, bandwidth, sustainability aspects. It was proposed that the initiative should cover both R&I issues for low TRL topics and plan, towards the end of the SNS implementation, for demonstration of critical technologies and applicability to specific use cases, with ESA partnership or national initiatives where possible, possibly using low-cost demonstrators such as KeplerGen2, Cubesat etc. A number of priority topics for SNS were brainstormed and summarized during the event.

Participant(s) role during event: SNS OPS partner 6G-IA was involved in the organisation, invitations, and reporting for this workshop.

Major (lasting) impacts of event: A full report was produced and contributed to the adoption of the SNS roadmap planning. The links for the reports are shown above.

Info about promotion of event: See above links.

2.5.3 IAFA #6 – Security Workshop

12 April 2024, Brussels, Belgium

Short description: The 6G Infrastructure Association (6G-IA) convened a panel of experts for a workshop defining strategic security priorities for the next phase of the SNS JU on April 12th, 2024, in Brussels.

The SNS JU has long championed the importance of security for 6G. However, security is not a singular concern; it permeates the entire digital ecosystem, from the cloud to AI and the vast network of IoT devices. Each element presents unique vulnerabilities, contributing to the ever-evolving threat landscape. This very interconnectedness, where technologies and architectures converge, offers a unique opportunity for collaborative security efforts.

The workshop identified several areas ripe for further exploration, building upon the foundation laid by previous achievements in 5G security. This document delves into these priority areas, outlining potential pathways for collaborative research and innovation within the SNS JU framework. It emphasizes the

importance of leveraging synergies with existing initiatives within Horizon Europe and Digital Europe to build a robust and secure 6G future.

Recognizing this potential and advocating for a holistic approach to secure 6G, multiple interfaces and potential collaborations are in scope. This includes in particular involvement of the cybersecurity industry as supplier of products and services but also as Research & Innovation actors on numerous common topics impacting 6G.

Other aspects that may be considered strategic for EU destiny is the technical foundation of potential policies enhancing users' awareness and overall security and resilience.

Participant(s) role during event: SNS OPS partner 6G-IA and Thales were involved in the organisation, invitations, and reporting for this workshop.

Major (lasting) impacts of event: A full report was produced and contributed to the adoption of the SNS roadmap planning. The links for the reports are shown above.

Info about promotion of event: See above links.

2.5.4 IAFA #7 – Wireless Communications and Signal Processing Workshop

15 April 2024, Brussels, Belgium

Short description: To date, there have been already three calls for proposals specifically covering wireless communication technologies and signal processing topics, mainly under Stream B Strand 2 and partially under Strand 3 topics. As a result of the first two phases of the SNS, several ongoing projects¹² are already covering multiple technological domains aiming at realizing the 6G vision. These include, among others reconfigurable meta-surfaces, AI-based channel modelling, cell-free/ultra-massive/distributed MIMO, waveform design, hardware co-design, integrated sensing and communications, energy efficiency, Open RAN, semantic communication, wireless edge caching and EMF exposure. A few more projects will be added after the resolution of the third SNS phase call for proposals. For the subsequent phases of SNS, updates of the strategy are required to identify the underpinning technological needs related to the wireless communications and RAN evolution in the light of global developments in this domain.

As in the case of previous generations of cellular-based networks, wireless communications technologies and signal processing are once again called to play a pivotal role to provide cutting edge innovations in highly complex 6G use cases, addressing emerging business requirements, technology trends and the foreseen standardization roadmap. In the context of EU-led research and innovation actions, technology sovereignty -especially in the microelectronics sector-, sustainability and societal requirements are also key factors that need to be considered in future research directions. Towards this end, further synergies and collaboration among different EU funding instruments and stakeholders could be considered and anticipated (e.g., SNS, Eureka, IPCEI's, Chips JU etc.) to develop specific underpinning wireless communication technologies.

Furthermore, in the realm of 6G, the RAN needs to continue evolving to support highly distributed edge applications and services by seemingly integrating frictionless AI and machine learning solutions, by exposing data through open APIs, by adopting cloud computing principles and by providing innovating signal processing technologies with integrated sensing and agile management of interference and spectrum resources.

This workshop was held to look at outputs and recommendations for future work in the SNS JU from the Wireless Communications and Signal Processing communities. In the light of the discussions maintained during the workshop, in upcoming calls of the SNS R&I Workprogramme priority should be preferably given to topics which are technologically relevant, and exhibit a broad consensus, namely,

- MIMO/Massive MIMO/MIMO evolutions (T-1)
- AI & Semantic communications (T-3)
- Spectrum sharing and RAN co-existence (T-4)
- Open RAN (T-5)
- Network as a sensor and positioning (T-7)
- Multi-processor SoC/accelerators; flexible HW architectures (T-8)

- Physical layer technologies for enhanced spectral efficiency (T-11)
- Sustainability (T-14), as a horizontal aspect.

Participant(s) role during event: SNS OPS partner 6G-IA were involved in the organisation, invitations, and reporting for this workshop.

Major (lasting) impacts of event: A full report was produced and contributed to the adoption of the SNS roadmap planning. The links for the reports are shown above.

Info about promotion of event: See above links.

2.5.5 IAFA #8 – Research on Cloud and Service provision workshop

16 April 2024, Brussels, Belgium

Short description: The importance of cloud solutions and the seamless deployment, integration, composition provision, and management of services will be significant for the telco industry. Europe is already activated at an R&I level, but as several related activities are running or are planned to run in parallel, covering various aspects, technologies, and TRLs, a clear roadmap of synergies is needed to maximize the impact of these efforts. This was the main purpose of this workshop. A way forward along with some key priorities were identified. These are:

- Minimize the dependencies from the Hyperscalers for the European stakeholders,
- Rely on open-source solutions to reach faster the target of European wide accepted solutions,
- Target the standardization of the results so that future solutions will abide to the European rules for security, privacy, sustainability etc.
- Identify synergies among European funding instruments to maximize the impact of their activities and shorten the delivery of well-studied and tested solutions,
- Solutions should Investigate efficient implementations of regulations (EU data act, EU AI act, CRA, etc.).

Participant(s) role during event: SNS OPS partner 6G-IA were involved in the organisation, invitations, and reporting for this workshop.

Major (lasting) impacts of event: A full report was produced and contributed to the adoption of the SNS roadmap planning. The links for the reports are shown above.

Info about promotion of event: See above links.

2.6 EuCNC & 6G Summit 2024

03 – 06 June, Antwerp, Belgium

Short description: The 2024 EuCNC & 6G Summit 2024 brings together two successful conferences in the area of telecommunications: EuCNC, in its 33rd edition of a series, supported by the European Commission; the 6G Summit, in its 6th edition, originated from the 6G Flagship programme in Finland, one of the very first in its area. The conference is sponsored by the IEEE Communications Society (ComSoc), the European Association for Signal Processing (EURASIP) and the European Association on Antennas and Propagation (EurAAP) and supported by the European Commission. The conference addresses various aspects of Beyond 5G/6G communications systems and networks.

Participant(s) role during event: SNS OPS partners were engaged in both organisational aspects of the overall conference and summit, organising a booth in the exhibition area, and individual workshops and sessions. As an example of contributing to a workshop, SNS OPS was involved in the Hexa-X-II workshop in which the results of the SNS OPS questionnaire were presented by SNS OPS team member Kostas Trichias (6G-IA).

Major (lasting) impacts of event: EuCNC & 6G Summit 2024 took place in Antwerp, Belgium. The conference program included Keynotes, Panels, Regular oral sessions (papers from open call, to be submitted for uploading to IEEE Xplore), Special and Convened sessions, with papers on specific topics,

Workshops, with papers and presentations on specific topics, Poster sessions (extended abstracts from open call addressing latest results), Tutorials, Demos and exhibitions, with live pitches. The theme for this edition of the conference was “6G: from Vision to Reality”. As it is stated in their welcome message by the conference chairs, “While the 6G era won’t officially kick off until 2030, we’ve already ventured well down the road that will make 6G a reality. 2024 marks a new milestone for 6G as our focus shifts from exploration to systems and technical standardisation. Three recent developments lay the groundwork for this change. First, 3GPP has confirmed its 6G timeline and committed to developing 6G specifications. Second, the World Radiocommunication Conference 2023 made key decisions on spectrum that will shape the future of 6G. Finally, the International Telecommunication Union has published its framework for the initial requirements for IMT-2030, the ITU nomenclature for 6G. We are truly moving from vision to reality!”.



Figure 3 – SNS Booth at EuCNC & 6G Summit 2024

EuCNC & 6G Summit 2024 was a major success with record-breaking numbers in submitted papers and attendees:

- 291 regular papers submitted to regular sessions (137 accepted).
- 27 workshops submitted (12 accepted).
- 23 special sessions submitted (13 accepted).
- 13 tutorials submitted (2 accepted).
- 50 posters submitted.
- 973 confirmed and on-site attendees.

This edition achieved also a high number of exhibitors, 56 booths in total with live demonstrations and a record number of participation. The event was organised as a 100% in-person event and attracted in total 973 participants from 43 countries worldwide.

Info about promotion of event: A report of the event was published by the 6GStart project, but the report is classified as SEN (Sensitive, limited under the conditions of the Grant Agreement). The initial web site of the event was advertised at <https://smart-networks.europa.eu/event/eucnc-6g-summit-2024/> and <https://www.eucnc.eu/about/welcome/>. A number of playlist recordings of the EuCNC & 6G Summit 2024 can be found at SNS JU YouTube at <https://www.youtube.com/@EuCNC6GSummit>. The event was also promoted in newsletters and newflashes before and after the event at <https://smart-networks.europa.eu/sns-ju-june-2024-newsflash/> and in the 2024 and 2025 SNS Journals.

2.7 NetworldEurope/China Communications Standards Association (CCSA) Future Core - New Potential to Connect Everything Intelligently Workshop

19 September 2024, Shanghai, China

Short description: This international workshop was co-organized by NetworldEurope and China Communications Standards Association (CCSA). The event was organised as a fully hybrid event, online using the zoom access details and an onsite component in Shanghai, China. The workshop aimed to provide an open information space to share current and future views about the network Core of the future, and how this theme is being addressed by different stakeholders. Two different discussion panels were organized, addressing challenges and evolution, new use cases and technology trends as well as standardization and next step industry developments related to Future Core Networks. The workshop featured key speakers from industry and academia, representing the views of manufacturers, operators, industry bodies, and research scientists.

Participant(s) role during event: SNS OPS partner Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of NetworldEurope, had the overall responsibility as Co-Chair and speaker and the full organisation of the workshop. This included the following activities:

- the preparation of the agendas.
- contacting the SNS JU, NetworldEurope and CCSA related participants and inviting them to present.
- creating event pages on the NetworldEurope web <https://www.networldeurope.eu/early-notice-workshop-future-core-new-potential-to-connect-everything-intelligently/>.
- announcing the events to the community via the web and social media channels.
- creating the registration forms and monitoring the participant registrations.
- chairing the sessions.
- recording the webinars and making the recorded presentations as well as the presented slides available on the NetworldEurope web site.

Major (lasting) impacts of event: The event was seen as the beginning of the discussion, and while the belief was that alignment was possible, it was felt that the European and Chinese approaches don't yet have common views for the solutions on core network; thus, it was decided to continue working hard in this topic and try to reach a consensus and make this be a reality. A continuance of these strategic workshops was announced and with a special focus on the next year MWC2025 in Barcelona. The alliance and cooperation between NetworldEurope and CCSA is seen as a positive step in the right direction to collaborate together in order to tackle future approaches about the design and development of the network Core of the future on an international scale.

Info about promotion of event: The event was publicised at <https://www.networldeurope.eu/early-notice-workshop-future-core-new-potential-to-connect-everything-intelligently/>. A workshop report, presentations and videos of the event are available at the same web site.



Figure 4 – NetworldEurope/CCSA Future Core Workshop

2.8 IAFA#9 How Advanced Communications Can Support Sustainability Goals Workshop

21 January 2025, Online

Short description: The online workshop was jointly organized by NetworldEurope and the Alliance for AI, IoT and Edge Continuum Innovation (AIOTI). The workshop aimed to provide an open information space to share current and future views on “How advanced communications can support sustainability goals” and hopefully empower each one of us with the knowledge, tools and inspiration needed to make sustainable choices that can impact our work, community and the planet. Two different discussion panels were organized, with Panel 1 addressing “Advanced communications contributing to sustainability” and Panel 2 addressing “AI, IoT and Edge Continuum improving the performance of digital society”. The workshop featured key speakers from industry and academia, representing the views of manufacturers, operators, industry bodies, and research scientists.

Participant(s) role during event: SNS OPS partner Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of Networld Europe, and his team, had the overall responsibility as Co-Chair and speaker and the full organisation of the workshop. This included the following activities:

- the preparation of the agendas.
- contacting the SNS JU, NetworldEurope and AIOTI related participants and inviting them to present.
- creating event pages on the NetworldEurope web <https://www.networlddeurope.eu/workshop-how-advanced-communications-can-support-sustainability-goals-21-january-2025/>.
- announcing the events to the community via the web and social media channels.
- creating the registration forms and monitoring the participant registrations.
- chairing the sessions.
- recording the webinars and making the recorded presentations as well as the presented slides available on the NetworldEurope web site.

Major (lasting) impacts of event: A key message of the workshop was of hope and of awareness on how advanced communications can support sustainability goals. It was presented how the UN SDGs are driving sustainability globally and how the 6G technology enablers can be linked with the global goals and values of UN SDGs. The question being addressed is how to make sure that these technology enablers and these key innovations are aligned with the sustainability targets? And why do we need them? The workshop concluded with a feeling that a large number of good presentations and reflections about how we can move forward were made, elicitation on what we are achieving, and what we need to do to progress together in the 6G community concerning sustainability.

Info about promotion of event: The event was publicised at <https://www.networldeurope.eu/workshop-how-advanced-communications-can-support-sustainability-goals-21-january-2025/>. A workshop report, presentations and videos of the event are available at the same web site.

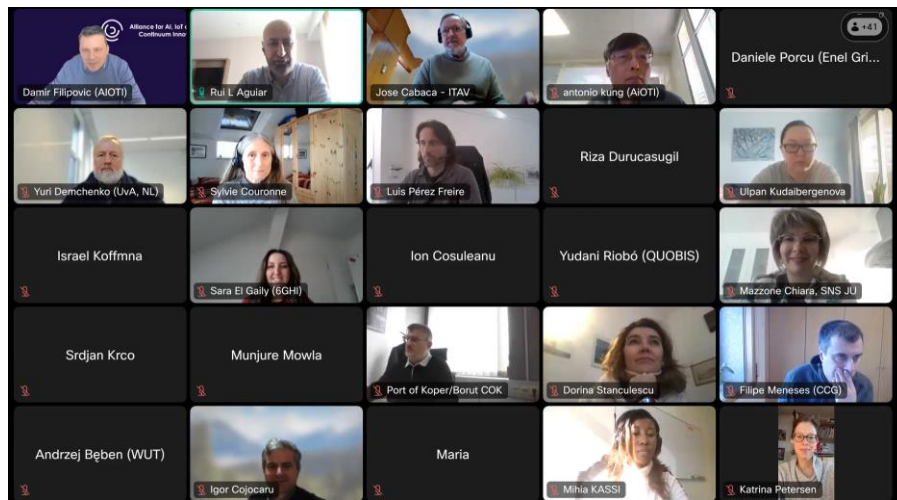


Figure 5 – NetworldEurope/AIOTI IAFA#9 Workshop participants

2.9 SNS Call 3 projects onboarding webinars

13 February 2025, Online

Short description: SNS OPS organized a dedicated session for Call 3 projects on 13 February 2025. The goal of the session was to support the onboarding of SNS projects to joint activities in SNS. It targeted SNS Call 3 projects as these projects have only recently joined the inter-project activities in SNS and might thus not yet be so familiar with the structure and activities. The session gave an overview of the organisational structure in SNS, introduced the projects to the Steering Board, Technology Board and the project Working Groups, and concluded with some information on the collaborative tools and the practicalities of the collaboration in SNS. Planning for the series of two webinars being organized by SNS OPS to facilitate the new SNS Call 3 projects to become included in the joint SNS activities were discussed also. These sessions will be described in the next sections.

Participant(s) role during event: SNS OPS partners were involved in the organisation and running of the webinar, with Uwe Herzog (Eurescom), Alexandros Kaloxylos (6G-IA), Mikael Fallgren (Ericsson Research), Kostas Trichias (6G-IA) taking leading roles.

Major (lasting) impacts of event: This was a great facilitator event to enable the new projects to learn about one another and to onboard them to the SNS programme. There were around 50 participants, mostly from SNS Call 3 projects.

Info about promotion of event: The event was not publicised as it was a private event for Call 3 projects. Invitations were emailed to Call 3 project Coordinators, Technical Managers and Comms TaskForce representatives. The events were promoted in newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-january-2025-newsletter/>).

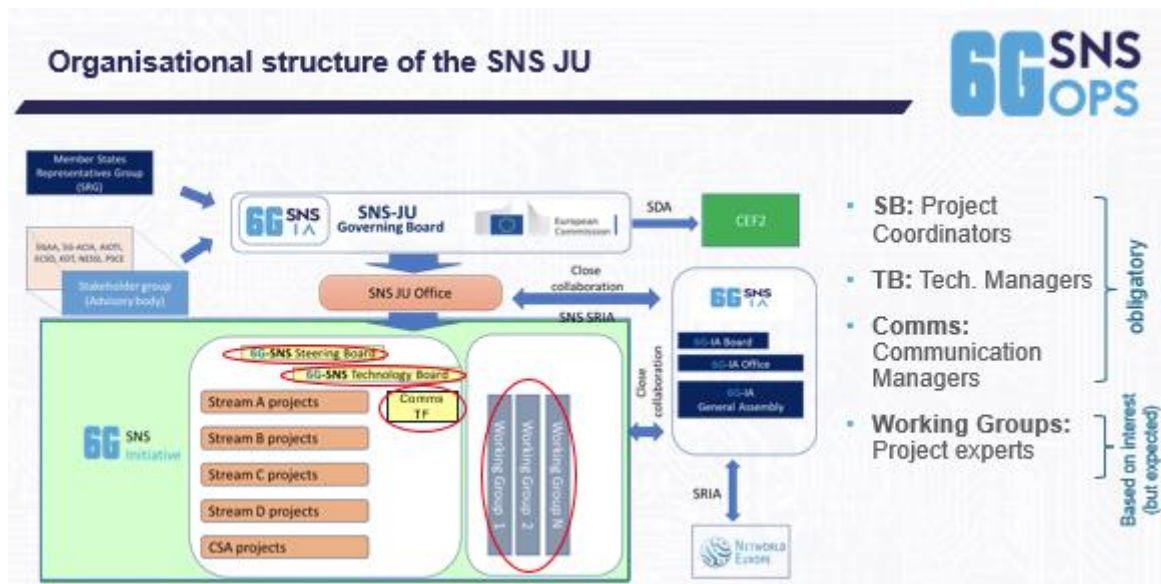


Figure 6 – Introducing the structure of SNS JU to Call 3 projects

2.10 SNS Webinar – Introducing the Call 3 SNS projects (Part 1 of 2)

14 February 2025, Online

Short description: The first of these webinars presented Stream B1 (System Architecture), B2 (Wireless Communication Technologies and Signal Processing), B3 (Communication Infrastructure Technologies and Devices) and B4 (Reliable Services and Smart Security) projects.

Participant(s) role during event: SNS OPS partners were involved in the organisation and running of the webinar, with Uwe Herzog (Eurescom), Alexandros Kaloxylos (6G-IA), Mikael Fallgren (Ericsson Research), Kostas Trichias (6G-IA) taking leading roles.

Major (lasting) impacts of event: This was a great facilitator event to enable the new projects to learn about one another and to onboard them to the SNS programme. There were 144 attendees at its peak.

Info about promotion of event: The event was publicised at <https://smart-networks.europa.eu/event/sns-ju-call-3-projects-introduction-webinars/> and <https://smart-networks.europa.eu/event/sns-ju-call-3-projects-introduction-webinars/#Webinar-1>. The presented slides were made available after the event on this page. A Playlist of the recordings of the webinar can be found at https://www.youtube.com/playlist?list=PLdoUExp7oG-4nGL_Rw4rLW5BAhaABKuUP.

The advertisement features the '6G SNS' logo and the text 'FIRST WEBINAR'. It specifies the date and time: '1 FRIDAY 14 FEBRUARY 2025 10:00 to 12:20 CET'. The title is 'CALL 3 SNS JU PROJECTS INTRODUCTION'. Below this, it lists the projects presented: 'Stream B1 (System Architecture)', 'Stream B2 (Wireless Communication Technologies and Signal Processing)', 'Stream B3 (Communication Infrastructure Technologies and Devices)', and 'Stream B4 (Reliable Services and Smart Security)'. A 'REGISTER NOW' button with a QR code is in the top right. A photo of a woman working on a laptop is shown in a blue-bordered frame on the right.

Figure 7 – Advertisement for the first of the Call 3 projects intro webinars

2.11 SNS Webinar – Introducing the Call 3 SNS projects (Part 2 of 2)

17 February 2025, Online

Short description: The second of these webinars presented (International Collaboration – EU-Japan), B6 (International Collaboration – EU – Republic of Korea), B7 (Sustainability Lighthouse), B8 (Reliable AI for 6G), C (SNS Microelectronics Lighthouse) and D (SNS Large Scale Trials and Pilots with Verticals) projects.

Participant(s) role during event: SNS OPS partners were involved in the organisation and running of the webinar, with Uwe Herzog (Eurescom), Colin Willcock (6G SNS GB Vice-Chair, 6G-IA Chair), Alexandros Kaloxylou (6G-IA), Mikael Fallgren (Ericsson Research), Kostas Trichias (6G-IA) taking leading roles.

Major (lasting) impacts of event: This was a great facilitator event to enable the new projects to learn about one another and to onboard them to the SNS programme. There were 108 attendees at its peak.

Info about promotion of event: The event was publicised at <https://smart-networks.europa.eu/event/sns-ju-call-3-projects-introduction-webinars/> and <https://smart-networks.europa.eu/event/sns-ju-call-3-projects-introduction-webinars/#Webinar-2>. The presented slides were made available after the event on this page. A Playlist of the recordings of the webinar can be found at https://www.youtube.com/playlist?list=PLdoUExp7oG-7i_cJAbmTP2_p6hZh-78pE.

2.12 Mobile Wireless Congress (MWC) 2025

02 – 05 March 2025, Barcelona, Spain

Short description: Martel supported the SNS JU office in maximising its visibility and engagement for the session organised at the Mobile World Congress 2025. Our efforts focused on strategic communications, multimedia content, and targeted outreach.

Participant(s) role during event: Colin Willcock, Chairman of the 6G Industry Association (6G-IA), was a keynote speaker in the SNS JU session entitled *Digital Infrastructure of the Future: Shaping Europe's Competitive Edge*, emphasizing Europe's responsibility in driving global standardization efforts while ensuring they align with European values and priorities. He also highlighted telecoms as a key area where Europe is in the lead, with the SNS JU playing a pivotal role in turning this vision into reality. SNS OPS partner Martel played a role in content creation and promotion before the event, delivering:

- Two press releases to highlight SNS JU's mission and activities at MWC.
- Two promotional videos designed for social media to generate registrations.
- Social media content to build momentum and drive registration in the weeks leading up to the event.

Major (lasting) impacts of event: There were a number of lasting impacts, including:

- Increased visibility: SNS JU's presence at MWC was widely recognized, reaching industry leaders, policymakers, and researchers.
- Stronger digital presence: The press releases and promotional content ensured sustained engagement beyond the event itself.

Info about promotion of event: Press releases were distributed through targeted industry and media channels to ensure maximum reach. Promotional videos were optimized for social media platforms, ensuring engagement from a broad audience. A tailored social media strategy included engaging visuals, infographics, and key messages to keep SNS JU's presence strong in the lead-up to MWC. The event was publicised at <https://www.mwcbarcelona.com/>. Key insights from the SNS JU Session at MWC 2025 can be found at <https://smart-networks.europa.eu/key-insights-from-the-sns-ju-session-at-mwc25/>.

2.13 NetworldEurope/China Communications Standards Association (CCSA) Autonomous Networks Workshop @MWC 2025

05 March 2025, Barcelona, Spain

Short description: The Workshop “Autonomous Network for Future – AI, Vertical Oriented New Business Services” was co-organized by NetworldEurope and China Communications Standards Association (CCSA). CCSA. The event was organised as a fully hybrid event, online using the zoom access details and an onsite component in Barcelona during the MWC2025 event. The workshop aimed to provide an open information space to share current and future views about the Autonomous Network, and how this theme is being addressed by different stakeholders. Two different discussion panels were organized, addressing challenges and evolution, new use cases and technology trends as well as standardization and next step industry developments related to Autonomous Networks. The workshop featured key speakers from industry and academia, representing the views of manufacturers, operators, industry bodies, and research scientists.

Participant(s) role during event: SNS OPS partner Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of NetworldEurope, and his team, had the overall responsibility as Co-Chair and speaker and the full organisation of the workshop. This included the following activities:

- the preparation of the agendas.
- contacting the SNS JU, NetworldEurope and CCSA related participants and inviting them to present.
- creating event pages on the NetworldEurope web <https://www.networldeurope.eu/early-notice-workshop-autonomous-network-for-future-ai-vertical-oriented-new-business-services-barcelona-5-march-2025/>.
- announcing the events to the community via the web and social media channels.
- creating the registration forms and monitoring the participant registrations.
- chairing the sessions.
- recording the webinars and making the recorded presentations as well as the presented slides available on the NetworldEurope web site.

Major (lasting) impacts of event: This event is an integral part of the efforts of SNS OPS to strengthen cooperation with other initiatives and leverage synergies. The panels have identified some of the current challenges and evolution based upon a number of relevant use cases and technology trends. A second panel focused on the requirements for standards development and next steps for industry development in areas especially related to autonomous networks.

Info about promotion of event: The event was publicised at <https://www.networldeurope.eu/early-notice-workshop-autonomous-network-for-future-ai-vertical-oriented-new-business-services-barcelona-5-march-2025/>. A workshop report, presentations and videos of the event will shortly be available at the same web site.



Figure 8 – NetworldEurope/CCSA Autonomous Networks for Future Workshop @MWC 2025

3 Moderator / Speaker support

A number of events were held in the second period that had speaker(s) / moderator(s) participation from within the SNS OPS consortium. These events are highlighted in this section.

3.1 The 6G series workshop by Hexa-X-II

13 - 14 February 2024, Online

Short description: Hexa-X-II and other European projects from 5G PPP ICT-52 and SNS JU organised a global and fully virtual workshop open to all on 13 – 14 February 2024. The 6Gseries workshop was supported by the European Commission and the SNS JU Office. The event was hosted by the HEXA-X-II project, with Mikko Uusitalo (Nokia, project lead) and Patrik Rugeland (Ericsson, technical manager) playing key roles. In addition to insights from the 6G view, perspectives from other SNS projects, as well as 6G German research projects, were covered. The workshop aimed to provide valuable insights and stimulate thoughtful discussions, enriched by perspectives from various world regions, including EU, Japan, Korea, Taiwan, and India.

Participant(s) role during event: Colin Willcock, Chairman of the Board, 6G-IA, gave an opening presentation entitled The Voice of European Industry and Research for Next Generation Networks and Services. Other SNS OPS partners, including Nokia, Orange, and IDATE participated in the event.

Major (lasting) impacts of event: The agenda included packed sessions on the following themes:

- Drivers for 6G, including use cases, verticals and sustainability, including international perspectives.
- System view and architecture for 6G.
- Radio evolution and innovation for 6G, including future devices and infrastructure.
- Smart Network Management, including future devices and radio evolution.

Info about promotion of event: Information including the draft agenda can be found at <https://smart-networks.europa.eu/event/the-6g-series-workshop-by-hexa-x-ii/>. A site where presentations and videos of the event can be found at <https://hexa-x-ii.eu/the-6g-series-workshop-by-hexa-x-ii-feb-2024/>. The event is also publicised in SNS newsflashes and newsletters before the date ([SNS JU January 2024 Newsflash - SNS JU \(europa.eu\)](#))⁵.

3.2 6G Symposium Spring 2024

09 – 12 April 2024, Kittilä, Finland

Short description: The 6G Symposium was held at a vital time in the development of telecoms. There are drastically different visions for what 6G needs to do and to be, and interests pulling stakeholders in many different directions. The event focussed on how to avoid the mistakes of the past by focus on a deliberate evolution of mindsets, business relations, strategies and industry processes alongside technology and policy evolution. Perhaps then we can build commercially successful future services which deliver the societal impact governments need.

The event focussed on a debate about some of the most important issues and controversies facing telecoms' development, including the following themes:

- Interactive conversations and debates on essential policy, commercial and technology issues.
- A day focussing on 6GFlagship, and Hexa-X II innovation projects hosted by Business Finland and 6G Finland.
- Networking with a wide variety of stakeholders from across Europe and beyond.
- Meetings with other vertical industries undergoing transformation.

⁵ <https://smart-networks.europa.eu/sns-ju-january-2024-newsflash/>

- Live demonstrations of cutting-edge technology.

Participant(s) role during event: Colin Willcock, Chairman of the Board, 6G-IA, and Prof. Rahim Tafazolli, Director of Institute for Communication Systems and 6GIC, University of Surrey, were speakers at the event.

Major (lasting) impacts of event: Almost 200 experts gathered together at 6G Symposium Spring 2024 to discuss fundamental issues with how the telecoms world transitions from today to its next generation. Discussions covered questions around:

- Why we would want to move past 5G.
- What the business case is.
- What changes in approach we need to make if we're to avoid repeating past mistakes, for example in spectrum and standards processes.
- How different stakeholders need engaging, from indoors to space and from chipsets to end users.
- How to reconcile demands for sustainability, resilience and societal goals with profit motives.

The event also featured a day highlighting cutting-edge research which can enable the required outcomes, covering everything from hardware to AI, services to MIMO.

Info about promotion of event: Information on the event can be found at <https://www.6gworld.com/6gsymposium-spring-2024/>. A report on the key takeaways with videos from the event can be found at https://www.6gworld.com/wp-content/uploads/2024/05/6G_Spring24_Spotlight_Final.pdf. Please note that you may have to register to gain access to the white paper.

3.3 6G and Future Networks conference

24 June 2024, London, U.K.

Short description: Organised by the Institution of Engineering and Technology (IET), the 6G and Future Networks conference had a central theme of Gearing up to 5G, 6G and beyond. The conference built on the success of previous events focusing on 5G technologies organised by IET technical networks and expands to explore the roadmap of 5G and 6G technologies.

Participant(s) role during event: SNS partner Colin Willcock, Chairman of The Board of the 6G-IA, gave a presentation on the 6G-IA and SNS JU activities.

Major (lasting) impacts of event: There were more than 100 delegates and over 30 speakers and authors consisting of a carefully curated line-up of regulators, government representatives, telecom players, 5G and 6G implementors and researchers from around the world to share their vision and roadmap for future telecommunications and 6G technology. In addition to the conference programme, there was an opportunity for a Site Tour to the European Space Agency 5G/6G Hub, Harwell on Wednesday, 26 June 2024. The 5G/6G Hub – based at the European Space Agency's European Centre for Space Applications and Telecommunications (ECSAT) at Harwell in the UK – is a place for collaboration and innovation, where industry will take advantage of the immense potential of converged satellite and terrestrial telecommunications networks to create advanced applications that benefit society and the environment. Benefiting from the support of the UK Space Agency (UKSA), the Hub fits into the UK Government's 5G and 6G strategy.

Info about promotion of event: Information on the event was promoted at <https://uktin.net/whats-happening/events/iets-6g-and-future-networks-conference>. A full list of the speakers can be found at <https://spaceandcommunications.theiet.org/6g/previous-speakers>.

3.4 Berlin 6G Conference

02 July 2024, Berlin, Germany

Short description: The Berlin 6G Conference 2025 is very timely as it brought together international experts from various fields in the context of the ongoing research and innovation activities on 6G, with burgeoning technological trends such as generative AI significantly influencing expectations for 6G. It was also being held in the context of the beginning of the necessary 6G standardization process, with initial decisions being made about how 6G will serve as the backbone of our future highly connected, digitized society.

Participant(s) role during event: SNS partner Colin Willcock, Chairman of The Board of the 6G-IA, gave a keynote presentation on the 6G-IA and SNS JU activities.

Major (lasting) impacts of event: Subjects for the Technical Sessions included Sustainability, Joint Communication and Sensing (JCAS), Reconfigurable Intelligent Surfaces (RIS), Health, Trustworthiness, Architecture, Innovation Management and Start-Ups, Quantum Communication, Security, Resilience, NTN, Radio Modems and many more. The presentations addressed topics including:

- What can citizens expect from 6G? How will our world change through 6G?
- How can 6G help us achieve our sustainability goals?
- What contribution can 6G make to the protection of our critical infrastructures?
- What is the current status of standardization? What has already been decided, and what can we expect?
- What contributions can Germany and Europe make to the success of 6G?

Info about promotion of event: Information on the event was promoted at <https://www.6g-plattform.de/berlin-6g-conference/>. A video of key highlights of the event can be found at <https://www.youtube.com/watch?v=a2PxveqEPtI>. The event was also promoted in newsflashes and newsletters before the date (<https://smart-networks.europa.eu/sns-ju-may-2024-newsflash/>, <https://smart-networks.europa.eu/sns-ju-april-2024-newsflash/>)

3.5 SNS JU presentation at the Saint Quentin en Yvelines University

01 October 2024, Versailles, France

Short description: Dedicated to European cooperation, ecosystems and funding in the field of telecommunications / 5G and 6G, this event was co-organized by the French Research Ministry @MESRI, the Directorate General for Enterprise (DGE), [Bpifrance](#), [ANR \(National Research Agency\)](#) and the Versailles Saint Quentin en Yvelines University (USVQ) / [Nadjib AIT SAADI](#) hosting the full day. The objective was to further raise awareness of the SNS JU, develop synergies between participants, present the world of academic and industrial research, as well as the existing French and European funding and support mechanisms for the digital infrastructure sector, mainly focused on 6G networks and services.

Participant(s) role during event: SNS partner Colin Willcock, Chairman of the Board of the 6G-IA was participating to the event and interacting with audience / participants. Didier Bourse of Nokia chaired the afternoon session entitled Retour d'expériences de lauréats (Return on Experience), including speakers from Montimage, ABS and CEA. There were many 6G-IA and SNS Community Participants, mainly from France.

Major (lasting) impacts of event: Chiara Mazzone from SNS Office gave a keynote presentation of the SNS JU. Among the guests/speakers included ETSI, the Chairman of SNS JU and on the private side, Nokia, Ericsson, Orange, Thales Alenia Space, Airbus, Sequans Communications. Testimonials from French start-ups that are very active in this sector and have benefited from these schemes, such as SCALINX, CETRAC, Constellation Technologies & Operations, etc. were able to be heard. Aimed at

players in the field of Smart Networks and Services at the European level, this day was inaugurated by a representative of the CSF Digital Infrastructures, and the Ministry of [the Economy Guillaume Bonnechère](#), the National Coordinator of the 5G Acceleration Strategy and Networks of the Future, as well as Philippe Keckhut, Vice-President of Research and Innovation at UVSQ.

Info about promotion of event: The URL for the Video has been made available to the Participants (https://drive.google.com/file/d/1cCIAVaAU-aLRCvbg0D7pe8GY_SKulbvK/view). The programme can be found at [ACCUEIL - Financements européens des télécoms : présentation de la JU Smart Networks and Services](#). An after event post can be found at [#5g #reseaux #6g #numerique | UVSQ Université de Versailles Saint-Quentin-en-Yvelines](#). The event was also promoted at <https://smart-networks.europa.eu/sns-ju-october-2024-newsflash/>.

3.6 European Cybersecurity Organisation (ECSO) Days 2024

17 – 18 October 2024, Brussels, Belgium

Short description: Over two days, European Cybersecurity Organisation (ECSO) held their ECSO Days event with the goal to unite their community to explore the latest in cybersecurity through fresh and innovative formats, including engaging demos, thought-provoking talks, hands-on workshops, masterclasses, and inspiring success stories – all designed to highlight the strength and innovation within our community. It was an opportunity to engage directly with fellow ECSO Members, leading CISOs and newly elected European decision-makers, and have the opportunity to pose questions about current trends and technologies in open Q&A sessions in an intimate setting. Through their ECSO days, ECSO strives to provide a platform for the Cybersecurity Community to convene, discussing cybersecurity challenges and collaboratively defining priorities and solutions for Europe's future.

The ECSO days 2024 enabled the community to explore all the initiatives that ECSO drives and the crucial work it undertakes within the European cybersecurity community to enhance European cybersecurity resilience.

Participant(s) role during event: SNS OPS partners and ECSO members, Emmanuel DOTARO of Thales, and Jim Clarke of SETU have supported the event.

Major (lasting) impacts of event: The ECSO Days events feature stimulating topics presented in innovative formats, making for an engaging and memorable experience. Some of the key highlights included the following:

- CyberHive and Investments – Buying European.
- Support to SMEs.
- Road2Cyber – Support to Job Seekers & Recruiters.
- CISOs and trusted supply chains – NIS2 & CRA; Information sharing & CTI.
- Technology – AI – Quantum – 6G.

Another highlight of the ECSO Days was a **High-Level Event in the afternoon on 17 October 2024**. The aim of the event was to bring together newly elected Members of the European Parliament (MEPs), representatives from the European Commission, and other influential figures in the European cybersecurity sector that are currently shaping Europe's cybersecurity vision for 2030 to meet with the European cybersecurity community and discuss crucial cybersecurity topics. Key discussion points included:

- Market Developments & Future Trends.
- Civil-Defence cooperation in cybersecurity and Enhancing cyber-Dual-Use capabilities.
- AI – Cybersecurity's Next Frontier.

Info about promotion of event (website, reports, etc.): This event was advertised at <https://ecs-org.eu/events/the-ecso-days-2024/> and at <https://smart-networks.europa.eu/sns-ju-january-2025-newsletter/>.

3.7 ETP4HPC DestinE Webinar

18 October 2024, Online

Short description: ETP4HPC organised a series of 3 webinars to share the outcomes of project DE_380 – a Destination Earth project subcontracted to ETP4HPC by ECMWF, which aims to provide a Strategic Technology Agenda (STA) for DestinE. The project’s experts provided by ETP4HPC and the DE_380 consortium first obtained an understanding of the technical challenges to be tackled during the course of DestinE’s lifetime, with a focus on the first years. Then based on their findings, they produced white papers on the identified challenges, spelling out their strategic recommendations to DestinE. This series of ETP4HPC webinars presented topics extracted from the DE_380 white papers. In this webinar, IOT and Networking was addressed. DestinE uses digital technologies in order to improve the quality of the weather forecast information it provides to its European stakeholders. One of the digital technologies in question is concerned with connectivity, IoT, and edge computing.

In the webinar, the experts delivered an analysis of DestinE’s requirements in terms of connectivity, IoT and Edge. They delineated the state of the art of these technologies and proposed actions that can be taken into account in the short-, middle- and long-term by DestinE.

Participant(s) role during event: SNS OPS partner Pierre-Yves Danet of 6G-IA made a presentation of the IoT and Networking paper.

Major (lasting) impacts of event: Following the end of the last delivery of papers to Destination Earth project, ETP4HPC has organised a set of webinars to disseminate results to the community. This was one of those webinars.

Info about promotion of event (website, reports, etc.): A recording of the event can be found at https://www.youtube.com/watch?v=ARL_yrvcopw&list=PLppHCacETiEzK4Hgd0fRcx_3c8K37SbCl&index=4.

3.8 IAFA #10 New European Media (NEM) Summit 2024

23 – 24 October 2024, Brussels, Belgium

Short description: The 15th edition of the NEM Summit was organized in Brussels on 23-24 October 2024 under the general topic “Emerging virtual worlds for a new digital society”.

Participant(s) role during event: SNS OPS partners SETU and Nokia were able to collaborate with the organisers of this prestigious annual event as an Impact Assessment Facilitation Action (IAFA) to promote the work and opportunities in SNS to the NEM community and, vice versa, to gather significant contributions from the NEM Community to SNS activities.

Major (lasting) impacts of event: During the event, it was highlighted that media is a vertical of significance and highlighted as a main vertical in the four SNS Stream D projects that are implementing large-scale SNS trials and pilots with specific verticals of high economic and societal importance. In preparation for the event, the SNS OPS team did a deep dive on researching all of the funded open call projects in the open calls of the four Stream D projects and shared this information with the keynote speaker Volker Ziegler (Nokia), who presented an inspirational keynote entitled “Path to 6G era platform and XR future”.

Info about promotion of event (website, reports, etc.): This event was advertised at <https://nem-initiative.org/nem-summit-2024/>. A recording of the event is available at the website.

3.9 5G Techritory

25 October 2024, Riga, Latvia

Short description: 5G Techritory has proven that it is the place to be for action-driven experts, academics and lawmakers. Now rebranded as Techritory, the Techritory Ecosystem serves as a catalyst for the advancement of future technologies through collaborative innovation. By uniting industry leaders,

academic pioneers, policymakers, and innovators, it fosters a dynamic ecosystem where ideas transform into impactful solutions. Techritory is an ecosystem for the global connectivity and digitalization community, where leaders gather, discuss, and support collaboration across sectors, borders, and industries – far more than just an event. The 2024 event was the 7th iteration of the venue for bringing together global connectivity and digitalization practitioners to share experience and knowledge, open new horizons for future networks and the technologies they enable, as well discuss the necessary research and development to implement these technologies into our daily lives.

Participant(s) role during event: Kostas Trichias, Senior Researcher, 6G-IA and Uwe Herzog, Eurescom supported the event with a presentation of the results of the SNS OPS survey to the National Initiatives co-creation event and provided support for the SNS-ICE organised SNS JU Showroom on display during the event.



Figure 9 – Discussion with visitors in the SNS JU showroom at 5G Techritory

Major (lasting) impacts of event: 5G Techritory 2024 featured a signed Memorandum of Understanding, 22 co-creation events focusing on 5G practicalities, not to even mention the 26 excellent panel and keynote speeches. 5G Techritory 2024 gathered 1800+ participants from 71 countries and 108 speakers.

As part of 5G Techritory 2024, there was an exciting announcement – Europe’s leading 5G ecosystem forum officially rebranded as Techritory, expanding its scope to embrace the full spectrum of next-generation connectivity and technological innovation. Read the announcement at <https://www.techritory.com/news/europes-largest-5g-conference-drops-the-5g-and-expands-its-scope-now-known-simply-as-techritory/>.

Info about promotion of event: Information on the event can be found at <https://www.techritory.com/>. A blogpost summary of 50 insights from 5G Techritory 2024 can be found at <https://www.techritory.com/news/50-insights-from-5g-techritory-2024/>. Videos from the 2024 event can be found at <https://www.youtube.com/@techritoryforum/videos>. The event was also promoted in newsflashes and newsletters (<https://smart-networks.europa.eu/sns-ju-october-2024-newsflash/>)

3.10 FUSECO Forum 2024

07 – 08 November, Berlin, Germany

Short description: The FUSECO Forum 2024 was the 12th Forum, and this year with a focus on “Forward to 6G!”, on understanding 5G Evolution Driven by Open Campus Networks, 6G RAN, Core Network Evolution, Non-terrestrial Networks and Data-/AI-based Networking. It is an industry-oriented event, that mirrors the lessons learned from global public and private 5G network deployments and 5G evolution research and standardization. At the same time, there is an increasing interest in private industrial campus network deployments and industries preparing to become ready for the 6G age. The forum addressed the new momentum in international standardization and building up new ecosystems sparked by the latest innovations in the fields of Open RAN, sub THz Radio Systems, Non-Terrestrial

Networks, Network Automation, AI/ML, Open Source Toolkits, as well as new envisaged 6G use cases demanding a critical assessment of emerging 6G technologies and architectures.

Participant(s) role during event: SNS OPS member Håkon Lønsethagen of Telenor gave a talk in the session on “Operator Perspectives Going Beyond 5G”. The title of the talk was “Unleashing the Next Wave in Interoperable Smart Public Networks and Services”.

Major (lasting) impacts of event: The talk provided reflections on 5G, beyond 5G connectivity, and now towards 6G, and how the expectations towards our smart networks and services industry have never been greater. However, the in-market progress towards smart connectivity end-to-end, and more advanced application services are not as we expected. This talk investigated some of the barriers, and how we might overcome them, in order to unleash the next wave in Interoperable Smart Public Networks and Services. The challenges and opportunities with specialized connectivity got extra attention. The talk address specifically the role of the SNS JU partnership and how it might facilitate needed advancements.

In general, the industry orientation by the forum, with perspectives based on EU research and innovation, as well as standardization aspects and timelines, the forum serve as a good arena for getting the latest perspectives while understanding real world challenges, in bringing technologies, solutions, and service out and into the market. The knowledge exchange and the learnings from such events are important for SNS JU and the relevant Coordination and Support Action (CSA) projects and partners.

Info about promotion of event: General information on the event can be found at <https://fokus-fraunhofer.lineupr.com/fuseco-forum-2024/>. As it was a private event for registered participants, only participants have access to the presentations.

3.11 5G-ACIA Meeting

03 – 05 December, Nuremberg, Germany

Short description: The 32nd 5G-ACIA Plenary Meeting took place on 03-05 December 2024 in Nuremberg, Germany as a physical meeting. During the meeting, 5G-ACIA members discussed and decided on various topics and debated the ongoing work of the 5G-ACIA Working Groups. Following previous interactions between SNS OPS (including Didier Bourse – Nokia – ALUI/NNF) and 5G-ACIA Board General Chair (Andreas Müller – Bosch) and General Vice Chair (Afif Osseiran – Ericsson), SNS was given the opportunity to present (Didier Bourse - Nokia - ALUI/NNF) during a one-hour time slot “Presentation on Industry / Manufacturing in 5G / 5G-PPP and way forward in 6G SNS JU”. Specific interactions have been also organized on-site during the three days of the meeting to possibly further connect and synergize SNS / 6G-IA (/SNS OPS, SNS ICE then CO-OP) with 5G-ACIA.

Participant(s) role during event: SNS OPS member Didier Bourse of Nokia supported the event with a presentation on Industry / Manufacturing in 5G / 5G-PPP and way forward in 6G SNS JU.

Major (lasting) impacts of event: SNS presentation PPT support slides set considered as up-to-date (December 2024) “reference” PPT for further use/leverage. Presentation and on-site discussions/interactions leveraged for specific further SNS OPS (/CO-OP) – 5G-ACIA interactions and organization of joint Workshops/Webinars.

The feedback received highlights that the organisers and participants were positive with the outcome and the presentation was well received and the organisers were delighted that SNS OPS (/6G-IA /SNS) colleagues contributed with inputs. A dedicated set of potential actions, including Webinars has started to be addressed live and is currently further addressed. Topics of mutual interest include Trials and Pilots (T&Ps), Use-cases and Business-cases (UCs/BCs), ICAS. The first Workshop is possibly targeted to be organized online in May 2025. SNS OPS (/CO-OP) is also possibly targeting further face-to-face interactions with 5G-ACIA Members, including forthcoming 5G-ACIA meeting to be organized in June 2025.

Info about promotion of event: General information on the event can be found at <https://5g-acia.org/events/5g-acia-32nd-plenary-meeting-in-nuremberg/>. The event was further promoted after the event at <https://smart-networks.europa.eu/sns-ju-december-2024-newsflash/> and at <https://smart->

networks.europa.eu/sns-ju-january-2025-newsletter/. As it was a private event for members, only members have access to the presentations and videos.

3.12 Advanced Satellite Multimedia Systems Conference (ASMS) Conference

26 – 28 February 2025, Sitges, Barcelona, Spain

Short description: The 12th ASMS conference and the 18th Signal Processing for Space Communications Workshop was jointly organized by the DLR Institute for Communications and Navigation and the Centre Tecnològic de Telecomunicacions de Catalunya (CTTC), with the scientific support of the European Space Agency (ESA) and the University of Bologna. The leitmotiv of the event was examining the role of Non-Terrestrial Networks (NTN) within future 6G systems.

Following a consolidated tradition, this top-level event for the Satellite Communications community provided a very exciting program in terms of keynotes speeches, tutorials and special sessions, addressing the most advanced research topics in satellite communications, together with great opportunities of networking with other colleagues and experts from both academia and industry.

Participant(s) role during event: Bernard Barani, 6G-IA was invited by DLR (Sandro Scalise) as main organizer of the conference as speaker and moderator on a panel entitled Overview of Ongoing NTN-Related EC/SNS Projects (held Friday 28/02/2025).

Major (lasting) impacts of event: With the Mobile Wireless Conference (MWC) following immediately during the week after in Barcelona, the ASMS Conference managed to attract heavy weights of the TN/NTN domains who provided their updates and views on the NTN domain before attending the MWC. This also allowed fruitful discussion with key stakeholders (most of them being 6G-IA members) on how to position future iteration of NTN activities under the next stages of SNS implementation.

Info about promotion of event: Information on the event can be found at <https://www.asmsconference.org/>. A full programme can be found at https://www.asmsconference.org/wp-content/uploads/sites/10/2025/02/Full_Programme_ASMS-SPSC_2025.pdf.

4 Attendance support

During the period, there was four events receiving attendance support from SNS OPS partners creating impact towards the project and support of SNS JU Programme. These events are highlighted in this section.

4.1 SNS Stream B/D Projects Workshop on KPIs and KVIs

16 May 2024, Online

Short description: The SNS Technology Board organised a webinar to identify synergies and opportunities between Stream B and Stream D projects of the SNS JU. The session included participants and presentations from the following projects:

- Stream B projects: ORIGAMI, PRIVATEER, Deterministic6G, Hexa-X-II, SAFE-6G, 6GTandem, PREDICT.
- Stream D projects: TrialsNet, FIDAL, TARGET-X, IMAGINE-B5G.

Participant(s) role during event: SNS OPS supported the promotion of this event, including the discussions involved in the Technology board regarding the event logistics and agenda. It also assisted with the invitation process.

Major (lasting) impacts of event: One of the expected outcomes reported in the call of the Stream D projects is to provide input towards Stream B projects including collection of new requirements that are needed in subsequent phases for the key 6G technological building blocks, notably those identified in Stream B. Those requirements may stem from, for example, the emergence of new application domains (Internet of Senses, holographic type communications...), the native support of AI/ML by future networks, the introduction of zero-touch solutions, and high resilience/availability needs. At the time of the workshop, after 1+ year of work, Stream D projects were in the position to provide initial feedback on the topics to steer Stream B Phase 1 projects and serve as input for Stream B Phase 2 projects. Also, this has a natural connection towards the KVI framework, which is being studied by both Stream B and Stream D projects.

With the above in mind, the goal of the workshop was to benefit both Stream B and Stream D projects. For Stream B, they were able to gain feedback on the most important KPIs that require improvements and obtaining a broader view on the Key Values that can be achieved as well as the related KPIs. For Stream D, it would enable them to comply with the call goals of providing input towards other SNS activities and be able to understand the trial areas that can be improved by Stream B technologies, as well as SNS JU overall. Moreover, the event was a good starting point to create opportunities for relevant synergies, cross-collaborations, and contribution to SNS JU activities such as the Test Measurement and Validation Working Group (TMV WG) and others.

Info about promotion of event: The link to the event with links to presentations and recordings can be found at <https://smart-networks.europa.eu/event/sns-stream-b-d-projects-webinar/> and at <https://smart-networks.europa.eu/sns-ju-may-2024-newsflash/>.

4.2 2nd Summit on Security and Privacy in Future Mobile Networks (SECURENET) 2024 5G Observatory Workshop

21 May 2024, Dublin, Ireland

Short description: SecureNet 2024 was an international workshop dedicated to exploring the complexities of security and privacy within emerging mobile network technologies, including 5G and the highly anticipated 6G. Jointly organized by the Network Softwarization and Security Labs (NETSLAB) research group at the UCD School of Computer Science, the SFI CONNECT Centre, and the CONFIDENTIAL 6G Project, this workshop serves as an interdisciplinary platform for leading experts from academia and industry worldwide.

Participant(s) role at the event: SNS OPS partner, Jim Clarke of SETU, attended the event and shared information about the SNS WG on Security to the audience.

Major (lasting) impacts of event: The 2nd Summit on Security and Privacy in Future Mobile Networks (SECURENET 2024) was held on May 5th, 2024, focusing primarily on the security and privacy challenges of emerging mobile networks, including 5G and 6G technologies. As mobile networks become increasingly integral across various sectors, addressing their security and privacy concerns has become more critical than ever.

Organized jointly by the Network Softwarization and Security Labs (NETSLAB) research group at the UCD School of Computer Science and the SFI CONNECT Centre, SECURENET 2024 served as a prominent academic platform. The summit aimed to unite professors, researchers, graduate students, and industry professionals to exchange ideas, share experiences, and discuss implementations related to the security and privacy aspects of 5G, 6G, and IoT systems.

Info about promotion of event: Information on the event can be found at <https://netslab.ucd.ie/event-securenet-2024/>. The event was also publicised at <https://smart-networks.europa.eu/sns-ju-may-2024-newsflash/>.

4.3 5GSC Community Conference 2024

18 October 2024, Brussels, Belgium

Short description: The 5G for Smart Communities Support Platform organised their annual Community Conference for the CEF Digital 5G for Smart Communities stakeholders. This gathering took place as an engaging Cluster Meeting, designed to foster collaboration and innovation.

Participant(s) role at the event: SNS OPS partner, Carole Manero of IDATE, attended the event and shared information about SNS OPS to the audience.

Major (lasting) impacts of event: Participants delved into the world of 5G, exploring and identifying common building blocks essential for smart community projects. Discussions tackled the challenges and solutions in the realm of 5G, focusing on the implementation, replication, and key enablers across various application domains. This event offered a unique opportunity to gain insights into defining clear business models, understanding technical components, and discovering solutions for off-the-shelf replicable 5G projects.

Participants were empowered with a deeper understanding of common requirements and practical approaches to building their own 5G projects.

Info about promotion of event: Information on the event can be found at <https://digital-strategy.ec.europa.eu/en/events/5gsc-community-conference-2024>.

4.4 EDIH Network Annual Summit 2024

26 – 27 November 2024, Brussels, Belgium

Short description: The EDIH Network Annual Summit provided first-rate information on key topics such as AI challenges as well as facilitated in-depth discussions on practical topics through good practices for digital transformation and innovative solutions across multiple areas including agrifood, construction, cybersecurity, digital health, and smart connectivity. Attendees had the opportunity to participate in workshops, panel discussions, and networking sessions designed to foster collaboration and share best practices. Additionally, the EDIH Network Awards Ceremony recognised the most outstanding success stories of the network.

Participant(s) role at the event: SNS OPS partner, Pierre-Yves Danet of 6G-IA, attended the event and shared information about SNS OPS to the audience. He also provided information in relation to SCoDIHNet.

Major (lasting) impacts of event: This second edition of the EDIH Network Summit brought together over 700 key stakeholders from the European Digital Innovation Hubs (EDIH) network, including

representatives from various thematic working groups, national authorities, and expert groups. The event was focussing on AI and Testing European Facilities as well as the presentation of the call for the second period, including the following notable presentations:

- Roberto Viola promoted AI and cooperation.
- Lucilla Sioli promoted AI everywhere.
- Malgorzata Nikowska made a presentation of the next call.
- Gaspard Demur addressed the complementarity with the Testing European Facilities and EEN.

Info about promotion of event: Information on the event can be found at <https://european-digital-innovation-hubs.ec.europa.eu/edih-network-annual-summit-2024>. The presentations delivered as well as the recordings of the sessions are available in the sections on this website.

5 Conclusions

This deliverable documents details on how SNS OPS, through its organisational, dissemination and communications work, and direct participation in the events, has supported SNS JU related events between the period from 01 February 2024 until 31 March 2025. Since the period of the report coincides with the start of the Call 2 and Call 3 projects, a number of the events were related to onboarding the new participants into the SNS JU community.

The report focusses on 36 SNS JU related events (three of which were held in “series” format to engage efficiently with the larger communities as the number of projects significantly ramped up during the period) supported by the SNS OPS partners during the second year of the project with organisational activities, speaker / moderator participation, and/or attendance support in all the reported events.

The events in the second period were designed to achieve the following objectives for the SNS community:

- SNS Calls transition, onboarding, building, and lessons learned, e.g., SNS webinars to introduce new projects, SNS Stream B/D projects workshop on KPIs and KVis.
- Technical conferences and workshops, project clustering, and projects promotion to larger audiences, e.g. NetworldEurope / CCSA workshops, EuCNC & 6G Summits '24, 5G Techritory, Advanced Satellite Multimedia Systems (ASMS) Conference, ECSO Days, SECURENET 2024, FUSECO 2024, 5GSC Community summit, EDIH Network Annual Summit.
- Global events of larger scale, e.g., EuCNC & 6G Summits '24, MWC related events, NetworldEurope / CCSA workshops, 5G Techritory, The 6G series workshop by Hexa-X-II, 6G Symposium Spring 2024, 6G and Future Networks conference, Berlin 6G Conference, ASMS Conference, Mobile World Congress 2025.
- Impact Assessment Facilitation Actions, e.g., IAFA series on pre-standardisation, 6G-IA IAFA series of workshops on technical topics for WP 2025 – 2027.
- Annual Assembly, information gathering and promotion of Work Group activities, e.g., ECSO Days, 5G Techritory, ETP4HPC DestinE webinar, IAFA NEM Summit 2024, EDIH Network Annual Summit.

Another objective for all the reported events was to target the involvement of key international players in the worldwide 5G/6G scene, in view of fostering global solutions, standards and interoperability based on the European 5G/6G Perspective.

Moreover, each event was supplemented with active promotional, dissemination and communications activities, which is addressed in SNS OPS Deliverable D2.5: SNS Communication and Dissemination Final Report.

The events have been partitioned based on the level of support offered, ranging from full engagement support, speaker / moderator support, and attendance support. The role of the project is defined for each of the events supported and the lasting impacts of the events are elaborated, and promotional activities highlighted for each, including downloadable location of presentations, reports and video recordings of the events, where available.

Of these 36 events presented in the report, 21 were held in face-to-face format, and 15 events were held in full virtual format, with the majority of the face-to-face events advertising and offering full hybrid format for participants, as well.

Appendix A Screenshot of the Events tracker

The following shows a screenshot of the online Events tracker which is cross-project coordination tool.

Event Info				Additional Info					
Month	Date	Event	Location	Relevant project/office (use pull down menu)	SNS/6G-IA/EC/Project Participant	Comments / Notes	Type of participation (use pull down only)	Link(s) (to event, reports of events, etc.)	Impact of e role in ABC, even if you captured dir
FEBRUARY	1-2/02/2024	B5G Promotion Consortium International Cor	Tokyo, Japan	SNS-ICE	Colin Willcock		Speaker / moderator support	https://beyond5g-conference.jp/en/	
	26-29/02/2024	Mobile World Congress	Barcelona, Spain	SNS-ICE	Carles Antón Haro	CTTC has a booth and I will be physical	Full engagement / organisational	https://www.mwcbarcelona.com/	
	28/02/2024	NetworldEurope/CCSA Connected Vehicles WS @MWC 2024	Barcelona, Spain	SNS-OPS	Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of Networld Europe,	Held in parallel with MWC 2024	Full engagement / organisational support	https://www.networld europe.eu/works	
MARCH	07/03/2024	SNS Webinar - Introducing the Call 2 SNS projects (Part 1 of 2)	Online	SNS-OPS	Uwe Herzog		Full engagement / organisational	https://smart-networks.eu	72 participi
	11/03/2024	1st Workshop on 6G Network Use Cases and Verticals (6GN), 27th Conference on Innovation In Clouds, Internet and Networks	Paris, France	SNS-ICE	Carles Antón Haro	Invited Speech: 'Pan-European Trials and Pilots: the story so far in the 5G-PPP, and the long way ahead towards 6G			
	14/03/2024	SNS Webinar - Introducing the Call 2 SNS projects (Part 2 of 2)	Online	SNS-OPS	Uwe Herzog, Kostas Trichias, Colin Willcock		Full engagement / organisational	https://smart-networks.eu	Contributic https://sm
	12/03/2024	6G Research and Vision (IAFA4-1)	Online	SNS-OPS	Uwe Herzog		Full engagement / organisational	https://smart-networks.europa.eu/eve	sns-project
APRIL	3/4/2024	ETSI NTN conference	Sophia Antipolis, France	SNS-ICE	Prachi Sachdeva			https://www.etsi.org/event/s/2306-etsi-ntn-conference	
	10/04/2024	Photonics Workshop (IAFA)	Brussels, Belgium	SNS-OPS	Werner Mohr, Alex Kaloxylos		Full engagement / organisational support		
	11/04/2024	NTN workshop (IAFA)	Brussels, Belgium	SNS-OPS	Bernard Barani, Alex Kaloxylos		Full engagement / organisational support		
	12/04/2024	6G Symposium	Arctic circle	SNS OPS	Colin		Speaker / moderator support		
	12/04/2024	Security Workshop (IAFA)	Brussels, Belgium	SNS-OPS	Emmanuel Dotaro, Alex Kaloxylos		Full engagement / organisational support		
	15/04/2024	Wireless workshop (IAFA)	Brussels, Belgium	SNS-OPS	Carles Anton Haro, Alex Kaloxylos		Full engagement / organisational support		
	15/04/2024	3GPP Use Case WS - EU Prep - Final EU Workshop	Online	SNS ICE	Kostas trichias, Toon Norp	Webinar presenting the results of the feedback received on the common EU Use case definition	Full engagement / organisational support		