



## SNS OPS – Supporting the SNS JU Operations

### D5.1: Period 1 Report on events

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#### *Abstract*

This deliverable reports on the events supported by SNS OPS in the period 1 January 2023 – 31 January 2024. 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 projects were all commencing; hence, the projects weren't so much focussed on the organisation of events in the first half of 2023 apart from their individual and internal kick off meetings. Nevertheless, during its first year SNS OPS has provided Full support to 14 events, Speaker / moderator -level support to 4 events, and Attendance -level support to 1 event, for a total of 19 events supported and reported in this Deliverable.

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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 first year 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 **Error! Reference source not found.**

In this period, the SNS JU projects were all commencing; hence, the projects weren't so much focussed on the organisation of events in the first half of the year apart from their internal kick off meetings. There were also quite a number of events being held in virtual mode with about 50% of the events being held in face to face with a hybrid option also.

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 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 first year of the project, the SNS OPS team has provided F-level support to 14 events (one of which was broken into 4 individual lunch-time events), S-level support to 4 events, and A-level support for 1 event, for a total of 19 events reported here. The table also shows future events where support is already planned for.

*Table 1 – Listing of support events in first year of project*

Relevant section	Full engagement support event	Date(s)	Location
2.1	SNS Lunchtime Webinar series - Introducing the SNS projects (4 event series)	15, 20, 23 Feb-23 & 06-Mar-23	Online
2.2	Future Optical Networks Workshop	21-Sep-23	Shanghai, China
2.3	IAFA#1 - Digital Innovation Hubs (DIH) to strengthen knowledge exchange with SNS community and collaboration SNS OPS Framework evolution	05-Oct-23	Online
2.4	IAFA#2 - Connectivity and micro-electronics	16-Oct-23	Brussels, Belgium
2.5	5G Techritory	18-19-Oct-23	Riga, Latvia
2.6	SNS Open Calls Task Force Kick off meeting	26-Oct-23	Online
2.7	Visions for Future Communications Summit	07-08-Nov-23	Lisbon, Portugal
2.8	France-Ireland Cooperation on Beyond 5G and 6G Research and Innovation - Day 1	08-Nov-23	Online
2.9	France-Ireland Cooperation on Beyond 5G and 6G Research and Innovation - Day 2	15-Nov-23	Online

<b>Relevant section</b>	<b>Full engagement support event</b>	<b>Date(s)</b>	<b>Location</b>
2.10	SNS-OPS Survey Results on Technical, Vision and Market aspects of Phase 1 SNS Projects	23-Nov-23	Online
2.11	SNS Open Calls Task Force (OC TF) meeting #2	29-Nov-23	Online
2.12	SNS Call for Proposals 2024 – Information Day	22-Jan-24	Online
2.13	IAFA#3 - The 6Gsec Common Path and Cardinal Points “6Gsec CP2”	23-Jan-24	Paris, France
2.14	SNS JU Brokerage Event	25-Jan-24	Online
<b>3</b>	<b>Moderator / Speaker support event</b>	<b>Date(s)</b>	<b>Location</b>
3.1	IEEE International conference on Network Softwarisation	22-Jun-23	Madrid, Spain
3.2	Berlin 6G Conference	26-Jun-23	Berlin, Germany
3.3	CEF2 5G Corridors Workshop	10-Oct-23	Brussels, Belgium
3.4	5G and Gov Tech	25-Oct-23	Athens, Greece
<b>4</b>	<b>Attendance support</b>	<b>Date(s)</b>	<b>Location</b>
4.1	5G Observatory Workshop	26-Oct-23	Online
<b>5</b>	<b>Upcoming events in the next period</b>	<b>Date(s)</b>	<b>Location</b>
5.1	The 6G series workshop by Hexa-X-II	13-14-Feb-24	Online
5.2	NetworldEurope/CCSA Connected Vehicles Workshop @MWC 2024	28-Feb-24	Barcelona, Spain
5.3	ETSI Conference on Non-Terrestrial Networks (NTN), a Native Component of 6G	03-04-Apr-24	Sophia Antipolis, France
5.4	6G Symposium 2024	09-14-Apr-24	Kittilä, Finland
5.5	EuCNC & 6G Summit 2024	03-06-Jun-24	Antwerp, Belgium
5.6	5G Techritory 2024	30-31-Oct-24	Riga, Latvia

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## Abbreviations

<b>3GPP</b>	Third Generation Partnership Project
<b>5G</b>	5th Generation Wireless Systems
<b>5G PPP</b>	5G Public Private Partnership
<b>6G-IA</b>	6G Smart Networks and Services Industry Association
<b>6Gsec CP<sup>2</sup></b>	6Gsec Common Path and Cardinal Points
<b>BSCW</b>	Basic Support for Cooperative Work
<b>CCSA</b>	China Communications Standards Association
<b>CEF</b>	Connecting Europe Facility
<b>CEPT</b>	European Conference of Postal and Telecommunications Administrations
<b>CSA</b>	Coordination and Support Action
<b>DIH</b>	Digital Innovation Hub
<b>EC</b>	European Commission
<b>ECCC</b>	European Cybersecurity Competence Centre
<b>ECSO</b>	European Cybersecurity Organisation
<b>ETSI</b>	European Telecommunication Standards Institute
<b>EuCNC</b>	European Conference on Networks and Communications
<b>F6G</b>	6th generation fixed network
<b>FSTP</b>	Financial Support to Third Party
<b>FTTx</b>	Future of Optical Access Networks
<b>GB</b>	Governing Board
<b>G5GE</b>	Global 5G Event
<b>H2020</b>	Horizon 2020
<b>HEU</b>	Horizon Europe
<b>IAFA</b>	Impact Assessment and Facilitation Action
<b>KPI</b>	Key Performance Indicator
<b>MWC</b>	Mobile World Congress
<b>NTN</b>	Non-Terrestrial Networks
<b>PCG</b>	3GPP Project Coordination Group
<b>PPDR</b>	Public Protection and Disaster Relief
<b>PSM</b>	Pre-Structuring Model
<b>PTTC</b>	Transfer Programme at the Cyber Campus
<b>R&amp;I</b>	Research and Innovation
<b>SB</b>	Steering Board
<b>SCoDIHNet</b>	Smart Connectivity Digital Innovation Hub Network
<b>SNS-I</b>	Smart Network and Services-Initiative
<b>SNS JU</b>	Smart Network and Services Joint Undertaking

<b>SNS OC TF</b>	SNS Open Calls Task Force
<b>SRIA</b>	Strategic Research and Innovation Agenda

# 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 and in assisting the organisation of many others. This deliverable tracks the events that have received support from the SNS OPS project 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) 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. A sample page of the events tracker is shown in Appendix A.

The period of coverage in this deliverable is 1-Jan-2023 to 31-Jan-2024, i.e., the first 13 months of the project. In this document we also highlight a small number of potential events past the first 13-month period that we are already aware of and planning for year 2.

## 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** highlights events already identified to be held in the next period.
- **Section 6** “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 first 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 SNS Lunchtime Webinar series - Introducing the SNS projects

Short description: In January 2023, the Smart Network and Services Joint Undertaking (SNS JU) launched the first phase of its 6G projects, which are critical in establishing a solid research and innovation (R&I) foundation for Europe, defining the next generation networks.

A series webinar has been organised by SNS OPS with the aim of introducing the recently launched 35 projects in a series of 4 lunchtime webinars, to give an overview of their activities and ambitions to the community.

SNS OPS had the overall responsibility for the full organisation of the webinars. This included among others,

- the preparation of the agendas,
- contacting the SNS projects and inviting them to present,
- creating event pages on the <https://smart-networks.europa.eu/> web,
- announcing the events to the community via the web and social media channels,
- creating the registration forms and monitoring the participant registrations
- chairing the events,
- giving an overview presentation to SNS JU
- recording the webinars and making the recorded presentations as well as the presented slides available on the SNS JU web.

The impact of the webinar series was that the community has got an excellent overview of the 35 projects of SNS Call 1, of their planned activities and ambitions.

The webinar series was promoted on the 5G PPP website: [Webinars to Introduce the New SNS projects < 5G-PPP](#)<sup>2</sup>, in the February 2023 newsflash: [Newsflash February 2023 < 5G-PPP](#)<sup>3</sup>, and on the SNS JU web<sup>4</sup>.

#### 2.1.1 SNS Lunchtime Webinar #1

*15 February 2023, Online*

This first webinar presented SNS Call 1 Stream /Strand B5 & C & D projects addressing 6G Holistic System, SNS experimental Infrastructures & SNS Large scale Trials and Pilots. The webinar was moderated by Alex Kaloxylos, Technical Director, 6G-IA. About 80 participants attended the webinar.

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<sup>2</sup> <https://5g-ppp.eu/webinars-to-introduce-the-new-sns-projects/>

<sup>3</sup> <https://5g-ppp.eu/newsflash-february-2023/>

<sup>4</sup> <https://smart-networks.europa.eu/event/sns-lunchtime-webinar-1-introducing-the-sns-projects-part-1-of-4/>

# Agenda



Time	Call	Project Acronym / Presentation	Presenter	Presenter Affiliation & project role
12.00 - 12.05	N/A	Intro & Welcome	Moderator	6G-IA
12.05 - 12.25	N/A	SNS JU organization & Message on Streams B5, C and D	Colin Willcock, Pavlos Fournogerakis	6G SNS GB Chair, 6G-IA Chair Programme Officer, SNS JU
12.25 - 12.40	B-01-05	Hexa-X-II	Mikko Uusitalo	NOKIA Bell Labs
12.40 - 12.50	C-01-01	6G-BRICKS	Christos Verikoukis	ISI/ATH
12.50 - 13.00	C-01-01	6G-SANDBOX	Pedro Merino	University of Malaga
13.00 - 13.10	C-01-01	6G-XR	Ari Pouttu	University of Oulu
13.10 - 13.40		Q&A		
13:40 - 13:50		BREAK 10'		
13.50 - 14.00	D-01-01	FIDAL	Christos Tranoris	University of Patras
14:00 - 14.10	D-01-01	IMAGINE-B5G	David Gomez-Barquero	Universitat Politecnica de Valencia
14.10 - 14.20	D-01-01	TARGET-X	Janina Knußmann	Fraunhofer Institute for Production Technology IPT
14.20 - 14.30	D-01-01	TrialsNet	Silvia Provvedi	Ericsson Telecomunicazioni S.p.a.
14.30 - 15.00		Q&A		

Figure 1: Moderator Alex Kaloxylos introducing the agenda of lunchtime webinar #1

More details on the webinar, the agenda, slides and recorded presentations are available at <https://smart-networks.europa.eu/event/sns-lunchtime-webinar-1-introducing-the-sns-projects-part-1-of-4/>.

## 2.1.2 SNS Lunchtime Webinar #2

20 February 2023 Online

The second webinar presented SNS Call 1 Stream A projects addressing Smart Communication Components, Systems and Networks for 5G Evolution Systems. The webinar was moderated by Kostas Trichias, 6G-IA. About 80 participants attended the webinar.

More details on the webinar, the agenda, slides and recorded presentations are available at <https://smart-networks.europa.eu/event/sns-lunchtime-webinar-2-introducing-the-sns-projects-part-2-of-4/>.

## 2.1.3 SNS Lunchtime Webinar #3

23 February 2023 Online

The third webinar presented SNS Call 1 Stream B1 & B4 projects addressing Architecture & Secure Services and Security. The webinar was moderated by Uwe Herzog, Eurescom, SNS OPS Coordinator. About 80 participants attended the webinar.

More details on the webinar, the agenda, slides and recorded presentations are available at <https://smart-networks.europa.eu/event/sns-lunchtime-webinar-3-introducing-the-sns-projects-part-3-of-4/>.

## 2.1.4 SNS Lunchtime Webinar #4

06 March 2023

The fourth webinar presented SNS Call 1 Stream B2 & B3 projects addressing Wireless Communications and Signal Processing & Communication Infrastructure and Devices. The webinar was moderated by David Kennedy, Eurescom, Director. About 80 participants attended the webinar.

More details on the webinar, the agenda, slides and recorded presentations are available at <https://smart-networks.europa.eu/event/sns-lunchtime-webinar-4-introducing-the-sns-projects-part-4-of-4/>.

## 2.2 Future Optical Networks Workshop

*21 September 2023, Shanghai, China*

Short description: The event aimed to provide an open information space to share current and future views about the future optical networks, and how this theme is being addressed by different stakeholders, sharing the valuable experiences and practices of Europe and China. Two different discussion panels were organized, discussing current and future network operator's implementations, as well as new advances in optical technology that can be applied in access and transport networks. The workshop contributed to the identification of future optical innovation challenges that are being posed by the ever-increasing bandwidth demand in optical infrastructure for the benefit of our society.

Participant(s) role during event: SNS OPS partners jointly organized the event with China Communications Standards Association (CCSA). SNS OPS partners delivered the final detailed report.

Major (lasting) impacts of event: The following topics were presented “Optical Network Challenges and Evolution in the Computing Era” ; “Optical Networks: From past challenges to future opportunities” ; “New Use Cases and New Technology Trends in Optical Communications”; The Future of Optical Access Networks (FTTx)” ; “Progress and Prospects of Optical Network Technologies and Standards in China” ; “Evolution towards the 6th generation fixed network (F6G): Research challenges and standard roadmap”. The event also included 2 panels with discussions on “Current Situation & Challenges/New Use Cases & Technological Trends” and “Standard & Next Step Industry Development”. The main keynotes can be summarized as: 1- Technological innovation is the foundation of optical network development; 2- Optical network is the foundation for future network and service evolution; 3- Global uniform standards can boost economies of scale.

Info about promotion of event: This event was advertised in the [NetworldEurope webpage<sup>5</sup>](#) and also in academic institutions, telecom enterprises, and others. The event was also promoted in China in several entities. There is a full report of the event publicly available on BSCW [here<sup>6</sup>](#). The event was promoted in the October 2023 SNS newsflash [SNS JU October 2023 Newsflash - SNS JU \(europa.eu\)](#).

## 2.3 IAFA#1 - Digital Innovation Hubs (DIH) to strengthen knowledge exchange with SNS community and collaboration SNS OPS Framework evolution

*05 October 2023, Online*

Short description: The DIH aims to facilitate the digitalisation of European industry in the context of the Digital Europe Programme. SCoDIHNet (Smart Connectivity Digital Innovation Hub Network) is a network of DIHs with expertise in Smart Connectivity (5G/6G, IoT, Security). DIHs aim to develop the links between end users (industry) and technology providers, of which SNS JU projects are considered key sources. To this end, various initiatives are being developed focusing on replicability, mapping of technology providers and end-user requirements. The replicability initiative aims to facilitate the reuse of use cases/solutions developed by SNS projects by compiling them in a regularly updated catalogue from which DIHs could pick up use cases and solutions that fit their customers. The mapping initiative aims to map all technology providers, testbeds and DIHs at the regional level to foster cooperation among stakeholders working in the same region, thus facilitating innovation development with end-user customers. Lastly, end-user requirements are being collected to feed the SNS RIA and work plan, as DIHs are very close to end users.

The event was a joint effort between SNS OPS and SCoDIHNet.

Participant(s) role during event: More than 150 people registered, representing mainly SNS JU projects. Of those, some 42 participants attended the event. In particular, 34.2% of the participants were from the

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<sup>5</sup> <https://www.networld europe.eu/event/workshop-future-optical-networks-21-september-2023/>

<sup>6</sup> <https://bscw.5g-ppp.eu/pub/bscw.cgi/d551283/FutureOpticalNetworksWorkshopPostEventReport.pdf>

industry, 18.4% from a RDTI organisation, and 15.8% from academia. The remaining participants came from DIHs, public authorities and other sectors. Most participants were based in Spain, Belgium, Greece and Switzerland. They were interested to better understand the complementary between research projects and DIHs. Within this regard, they were interested with the replicability initiative that shows then a channel to accelerate the go to market of project results.

Major (lasting) impacts of event: Several projects showed their interest to join SCoDIHNet and to keep in touch in order to contribute to the replicability catalogue with their use cases. When the SNS JU projects will start to develop use cases and make them experimented, new interactions will take place in order to qualify the level of replicability.

Info about promotion of event: After the event, a report was elaborated at <https://smart-networks.europa.eu/first-iafa-report/> and published in Zenodo (<https://zenodo.org/records/10040220>). Furthermore, the recording was uploaded to the SNS YouTube channel. The report was also publicised in the December 2023 SNS newsflash: [SNS JU December 2023 Newsflash - SNS JU \(europa.eu\)](#).

## 2.4 IAFA#2 - Connectivity and micro-electronics

*16 October 2023, Brussels, Belgium*

Short description: The event was part of the WP4 series of IAFAs, which are research-based activities targeting relevant Partnerships, Initiatives and Associations to raise awareness about SNS initiative and its work and to gather feedback from them on how they see their future using our technology. 26 experts participated in the event from varied backgrounds including industrial sector, policy makers and EU association representatives.

Participants presented the involvement of their organisation in HEU funded R&I activities, their opinion on what is still missing and their vision on topics related to micro-electronics on connectivity. There was a roundtable with open discussions to capture the current status and propose directions for the future R&I WPs for the SNS and the Chips JUs. Moreover, further action points were identified to elaborate on these topics and provide further information on specific topics (e.g., their views in visualization). The outcome of this process will be a short paper with suggestions that will be submitted for consideration to the SNS JU GB and the Chips JU GB.

Participant(s) role during event: SNS OPS partners organized and hosted the event while also delivered the final detailed report.

Major (lasting) impacts of event: 24 topics were identified as promising in the area of microelectronics for 6G, and discussions on next steps for each of them have been started with all involved stakeholders.

Info about promotion of event: This was a closed event with targeted experts. P2P invitations were sent to the participating experts. No public promotion was necessary for this event.

## 2.5 5G Techritory

*18-19 October 2023, Riga, Latvia*

Short description: The 5G Techritory has become a major event on the connectivity conference calendar. 5G Techritory 2023 gathered 1667 participants from 77 countries and 146 speakers. It featured two Memorandums of Understanding signed, 18 co-creation events focusing on 5G practicalities, and 32 excellent panel and keynote speeches. It combined a strong industrial and academic presence together with many administration participants. There was good participation from both the Baltic region and more broadly major European countries.

Participant(s) role during event: On 18 October 2023, the SNS OPS team led by 6G-IA organized the panel during 17:00 - 17:50 entitled WHY 6G? THE NEED FOR THE NEXT GENERATION SMART NETWORKS & SERVICES AND LESSONS LEARNED FROM PREVIOUS GENERATIONS, which was moderated by Colin Willcock, Chairman of the Board, 6G-IA, with about 80 people in person and many more streaming live.



**Major (lasting) impacts of event:** The world of telecoms is gearing up for 6G, the next generation of mobile networks expected by 2030. Promising more than just telecommunications, 6G aims to incorporate features like sensing and massive IoT, ushering in Smart Networks and Services (SNS). This raises questions about the actual need for 6G – is it solving a real market gap, or is it a solution in search of a problem? The SNS OPS partner 6G-IA organised a panel of experts from various telecom sectors, to explore these questions, considering diverse stakeholder needs, problems requiring 6G solutions, potential pitfalls, and lessons from previous network generations.

**Info about promotion of event:** The event was promoted on the [SNS JU web](#)<sup>7</sup> and on the [5G Techritory web](#)<sup>8</sup> where details including agenda and video archive can be found <https://www.5gtechritory.com/agenda-2023/>. The SNS OPS project also promoted the event through its channels and in the October and November newsflashes: [SNS JU October 2023 Newsflash - SNS JU \(europa.eu\)](#) and [SNS JU November 2023 Newsflash - SNS JU \(europa.eu\)](#).

## 2.6 SNS Open Calls Task Force Kick off meeting

*26 October 2023, Online*

**Short description:** This was the kick off meeting for a newly established SNS Open Calls Task Force which is under the SNS-I SB, whose purpose is to:

- Establish a joint discussion forum for all SNS projects that will be organising Open Calls.
- Exchange experience and best practices regarding the organization of the Open Calls.
- Create a knowledge base for SNS JU as well as the current and upcoming projects with respect to open calls organisation.

**Participant(s) role during event:** Uwe Herzog, Eurescom, and Jim Clarke, SETU were co-organisers and participants, to the event. The TF is coordinated by Ioannis Markopoulos, Head of EU & International Business in NOVA ICT and member of the SNS-I SB. SNS OPS supported the organisation of the event and also created a mailing list and document repository on the SNS JU BSCW for this TF.

**Major (lasting) impacts of event:** The goal of the Task Force is to assist proper implementation of the open calls process in the following axes:

- Eligibility of the open call's participants and projects.
- Sound technical outcome of the open calls projects and contribution to the respective SNS projects results.
- Efficient cost reporting towards SNS JU to assist evaluation of eligible costs.
- SNS OPS members have attended and actively contributed to the collection of upcoming open call's information for a presentation and publishing on the [SNS-JU site](#)<sup>9</sup>, provided a template for collecting statistics information on applications and awardees in a common format, and also significantly contributed to the SNS OC TF position paper on proposed topics & action plan.

**Info about promotion of event:** As this has been a closed event, restricted to SNS-I SB members, the promotion has been handled mainly via email towards SNS-I SB members, same as for the promotion of outcomes. SNS OPS has promoted Project Open Calls through its channels and e.g. in the November 2023 SNS newsflash: [SNS JU November 2023 Newsflash - SNS JU \(europa.eu\)](#)<sup>10</sup>.

<sup>7</sup> <https://smart-networks.europa.eu/event/5g-techritory-forum-europes-leading-5g-ecosystem-october-18-19-2023-in-riga-latvia/>

<sup>8</sup> <https://www.5gtechritory.com/agenda-2023>

<sup>9</sup> <https://smart-networks.europa.eu/open-calls-from-sns-projects/>

<sup>10</sup> <https://smart-networks.europa.eu/sns-ju-november-2023-newsflash/>



## 2.7 Visions for Future Communications Summit

*07 – 08 November 2023, Lisbon, Portugal*

**Short description:** Visions for Future Communications Summit is a top-quality research workshop, with the support of 6G-IA and IEEE, oriented to identify key research areas in information and communication technologies in the mid-future of 7 to 10 years. It followed from the previous events structure held in 2017, 2019, and 2021, considering that by 2030 6G will be reaching the market. Given the expected innovation cycle times, it is now appropriate that we start discussions on Innovations after 6G.

The Summit covered multiple research lines, roughly structured along Physical Layer, Network and Control Plane, and Applications and Services. Each research line had a keynote speaker, and a set of sessions. All sessions were organized as panels of distinguished speakers from academia, industry and High-level European Commission officials presenting their viewpoints on a subarea within each track. Panels were oriented to encourage interaction among the panellists and between the panellists and the audience. Panels were enriched with contributions from an open call to the community, and with sessions presenting long-term visions from different stakeholders.

The purpose of the Summit was not to show what each presenter knows, but to technically identify what would be promising and challenging to achieve and will need work from our sector's professionals.

Based on the public presentations and contributions of the international experts, a document on seminal research directions for the communications field will be produced. This white paper will be widely distributed to the community and will be used as input by the European Commission, ITU-T and other relevant stakeholders as a contribution to mid-term research directions.

The discussions were very fruitful, and highlighted several areas which should be placed on the R&D roadmap in The past Whitepaper, the Strategic Research and Innovation Agenda (SRIA), has been the basis for the design of the upcoming Smart Networks and Services funding calls.

**Participant(s) role during event:** SNS OPS partners, especially Instituto de Telecomunicações, were involved in the organisation and hosting of the event and also delivered the final detailed report.

**Major (lasting) impacts of event:** The event addressed several hot topics in telecommunications, computing, security and innovation & design. During the 2 full days, there were 6 sessions with several presentations, each one of them with a chair that in the end of the session promoted discussions on the subjects presented; in addition, there were 5 keynotes with discussions on the subjects presented. The outcome of the event will constitute the basis for the 2024 update of the NetworldEurope SRIA.

**Info about promotion of event:** This event was advertised in the [NetworldEurope webpage](#)<sup>11</sup>, via the NetworldEurope mailing list, and also in academic institutions. A report of the event is publicly available on BSCW [here](#)<sup>12</sup>.

## 2.8 France-Ireland Cooperation on Beyond 5G and 6G Research and Innovation - Day 1

*08 November 2023, Online*

**Short description:** The France-Ireland Cooperation on Beyond 5G and 6G Research and Innovation event was a two-part online event dedicated to exploring research and innovation cooperation opportunities between Ireland and France in the Smart Network and Services Joint Undertaking.

Day 1 was a high-level session introducing the collaboration and presenting the capabilities and opportunities for collaboration between Ireland and France in the SNS-JU calls, including the traditional

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<sup>11</sup> <https://www.networldeurope.eu/event/4th-vision-of-future-communications-summit-7-8-november-2023-lisbon/>

<sup>12</sup> [https://bscw.5g-ppp.eu/pub/bscw.cgi/d556555/VFCS\\_2023\\_report\\_summary\\_final.pdf](https://bscw.5g-ppp.eu/pub/bscw.cgi/d556555/VFCS_2023_report_summary_final.pdf)

RIAs, IA, and other opportunities available in Stream C and D, including Financial Support to Third Party (FSTP) open calls. There were 80 participants in the day 1 event.

Participant(s) role during event: SNS OPS partners, Olivier Audouin of Nokia gave a presentation on Nokia 5G/6G R&I and Ecosystem and Jim Clarke of SETU made a presentation on all the upcoming opportunities of the Stream C and Stream D FSTP open calls for the participants.

Major (lasting) impacts of event: The organisers are compiling information about the event from a post – event questionnaire and there was certainly initial feedback that the participants were planning to team up together in the next SNS JU 2024 calls. There was also significant interest from the participants in the presentation on open call opportunities available in the Stream C and D projects.

Info about promotion of event: The promotion of the event was handled directly by the organisers in Ireland and France, including La Mission French Tech, University College Dublin, SFI CONNECT, and Enterprise Ireland. SNS OPS also promoted the event through its channels and in the November newsflash: [SNS JU November 2023 Newsflash - SNS JU \(europa.eu\)](#)

## **2.9 France-Ireland Cooperation on Beyond 5G and 6G Research and Innovation - Day 2**

*15 November 2023, Online*

Short description: Day 2 of the event was dedicated to allowing researchers and innovators to conduct networking, pitching sessions and brainstorming discussions on future proposals. The goal was for French and Irish researchers and innovators to meet up and connect in relevant breakout rooms to discuss and initiate France – Ireland cooperation on Beyond 5G and 6G research and innovation calls, especially cooperation in the Smart Networks and Services Joint Undertaking (SNS JU) 2024 Call and in other relevant French/Irish Calls that were presented during the Day 1 webinar on 8th November. Prior to opening the breakout rooms, a presentation on the SNS JU 2024 Call topics was given by Javier Albares, Head of Programmes at the SNS JU to kick off the discussions. The breakout room topics included 1. System Architecture; 2. Security (including Cybersecurity); 3. Radio Technology, Signal Processing, and Optical Network; and 4. Reliability and Sustainability. There were 42 participants at the event.

Participant(s) role during event: From SNS OPS, Didier Bourse of Nokia France and Jim Clarke of SETU participated to the plenary session and in the breakout groups.

Major (lasting) impacts of event: As stated above, the organisers are compiling information about the event from a post – event questionnaire and there was certainly initial feedback that the participants were planning to team up together in the next SNS JU 2024 calls.

Info about promotion of event: The promotion of the event was handled directly by the organisers in Ireland and France, including La Mission French Tech, University College Dublin, SFI CONNECT, and Enterprise Ireland. SNS OPS also promoted the event through its channels and in the November newsflash: [SNS JU November 2023 Newsflash - SNS JU \(europa.eu\)](#)

## **2.10 SNS-OPS Survey Results on Technical, Vision and Market aspects of Phase 1 SNS Projects**

*23 November 2023, Online*

Short description: This event was open to all audiences and aimed at presenting the analysis of the annual SNS OPS Questionnaire for the SNS JU projects of Phase 1. All Phase 1 projects had responded to several questions regarding their technical orientation and focus, targeted outcomes, vision and market prospects of their solutions. During this webinar, the provided answers from the projects were presented along with the relevant insights created regarding the direction and coverage of technological topics by SNS projects. The event was attended by approximately 40 participants, but the outreach of the material is far greater as it has become available online.

Participant(s) role during event: This event was organized and led by SNS OPS WP1 partners, who also presented the findings.

Major (lasting) impacts of event: Clear insights into the research directions and technological topics, vision and market prospects of SNS JU Phase 1 projects.

Info about promotion of event: The event was promoted via the SNS JU website at <https://smart-networks.europa.eu/event/sns-ops-survey-webinar/>, while it was also heavily disseminated via the 6G-IA mailing lists. Relevant social media of the SNS JU and SNS OPS partners (e.g., via the 6G-IA LinkedIn account) were also used as well as the December 2023 newsflash: [SNS JU December 2023 Newsflash - SNS JU \(europa.eu\)](#)<sup>13</sup>.

## 2.11 SNS Open Calls Task Force (OC TF) meeting #2

*29 November 2023, Online*

Short description: This was the second meeting of the SNS Open Calls TF to discuss the SNS JU Open Calls Task Force Proposed topics & action plan document. The main action of the event was for the members to read the current version of the action plan document and add any additional ideas for consideration for the document. The actions would be split between tactical joint actions on best practices and guides for items specific to projects with Financial Support for Third Parties (FSTP) involvement and strategic actions for the TF that would be carried out and presented to the SNS JU.

Participant(s) role during event: Jim Clarke of SETU participated and provided input to the action plan. Uwe Herzog supported the meeting from the organisational perspective.

Major (lasting) impacts of event: The goal of the Task Force is to assist proper implementation of the open calls process in the following axis:

- Eligibility of the open call's participants and projects.
- Sound technical outcome of the open calls projects and contribution to the respective SNS projects results.
- Efficient cost reporting towards SNS JU to assist evaluation of eligible costs.

Info about promotion of event: As this has been a closed event, restricted to SNS-I SB members, the promotion has been handled mainly via email towards SNS-I SB members, same as for the promotion of outcomes.

## 2.12 SNS Call for Proposals 2024 – Information Day

*22 January 2024, Online*

Short description: The Smart Networks and Services Joint Undertaking (SNS JU) has published its SNS R&I Work Programme 2024 and the Call for proposals opened on 16 January 2024, with a submission date on the 18<sup>th</sup> April 2024. The intention of the webinar was to give a detailed overview of the SNS JU Call ambitions, focus and selection criteria and to assist those interested in submitting a proposal on Smart Networks and Services by answering to specific Call-related questions.

Participant(s) role during event: In Part 1, Colin Willcock, Vice-Chairman of the SNS GB & Chairman of the 6G-IA GB, gave a presentation on the Welcome and SNS Strategic Orientations<sup>14</sup>, Kostas Trichias, Project Manager, 6G-IA Office, led the Part 1 Q&A session<sup>15</sup>. In Part 2, Alexandros Kaloxylis,

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<sup>13</sup> <https://smart-networks.europa.eu/sns-ju-december-2023-newsflash-2/>

<sup>14</sup> <https://smart-networks.europa.eu/wp-content/uploads/2024/01/2-willock.pdf>

<sup>15</sup> [https://smart-networks.europa.eu/wp-content/uploads/2024/01/sns-ju-information-day\\_chat-text.pdf](https://smart-networks.europa.eu/wp-content/uploads/2024/01/sns-ju-information-day_chat-text.pdf)

Executive Director, 6G-IA, gave a presentation on SNS R&I Work Programme 2024 - Technical Content<sup>16</sup> and Kostas Trichias, Project Manager, 6G-IA Office, led the Part 2 and Part 3 Q&A sessions<sup>17</sup>.

Major (lasting) impacts of event: The event was well attended with 280+ participants.

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-call-for-proposals-2024-information-day/>.

## 2.13 IAFA#3 - The 6Gsec Common Path and Cardinal Points “6Gsec CP2”

*23 January 2024, Paris, France*

Short description: The 6Gsec Common Path and Cardinal Points “6Gsec CP2” event was organised by the SNS OPS project together with the European Cybersecurity Organisation (ECISO) and NetworkEurope. The event was kindly hosted by PTTC (Transfer Programme at the Cyber Campus) in Paris, France. “6Gsec CP2” brought together the Cyber and 6G communities to discuss together on the following:

- European policies, threat landscapes and known challenges.
- Current Research and innovation agendas.
- Technical focus and collaboration perspectives.
- The future of cybersecurity in the 6G era.
- Opportunities to build mutual understanding.
- Research roadmap convergence and collaborations between the Cyber and 6G communities.

Participant(s) role during event: The SNS OPS partners on the organising committee of the 6Gsec CP2 event were Thales, Australo, Trust-IT, ITAV, and SETU.

Major (lasting) impacts of event: This was a very successful event that presented a unique opportunity for researchers, practitioners, and policymakers from both the Cyber and 6G communities to come together and share their insights on how to ensure the security of 6G networks and services. The event featured several keynote speakers, as well as panel discussions and technical sessions addressing the topics below:

- The future of cybersecurity in the 6G era.
- Opportunities to build mutual understanding.
- Research roadmap convergence and collaborations between the Cyber and 6G communities.

The event was considered successful in terms of presentations/discussions/messages and mainly in mobilizing both communities. From the discussions, there was a clear mandate from the research community (and a clear support from EC/SNSJU/ECCC side), to follow up on the event discussions. In this context, it was requested that there be produced an event conclusion/key takeaways report as a kick-start to activities towards a common (position/manifest) paper and workshops/editorial work on the SRIA, on both Work programmes.

Info about promotion of event: The event was publicised at <https://smart-networks.europa.eu/event/6gsec-common-path-and-cardinal-points-6gsec-cp%C2%B2-save-the-date/> and <https://ecs-org.eu/events/the-6gsec-common-path-and-cardinal-points-6gsec-cp%C2%B2/>.

The event was also promoted in the December 2023 SNS newsflash: [SNS JU December 2023 Newsflash - SNS JU \(europa.eu\)](#)<sup>18</sup>.

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<sup>16</sup> <https://smart-networks.europa.eu/wp-content/uploads/2024/01/5-wp2024-kaloxilos.pdf>

<sup>17</sup> [https://smart-networks.europa.eu/wp-content/uploads/2024/01/sns-ju-information-day\\_chat-text.pdf](https://smart-networks.europa.eu/wp-content/uploads/2024/01/sns-ju-information-day_chat-text.pdf)

<sup>18</sup> <https://smart-networks.europa.eu/sns-ju-december-2023-newsflash-2/>

## 2.14 SNS JU Brokerage Event

*25 January 2024, Online*

Short description: The SNS Research & Innovation Work Programme for 2024 was distributed at the official opening of the 2024 call that took place on 16 January 2024. The submission deadline in 2024 will be the 18 April 2024 at 17:00 (Brussels local time). The SNS JU Brokerage Event was planned to allow any organisation in the wider SNS JU community to present their organisation profile and/or interests to their peers – as an introduction for possible future collaboration(s). To further assist stakeholders to form competitive proposal consortia, the SNS JU Brokerage Platform has also been made available. In this platform, any organisation can post its expertise or proposal ideas, and of course all can browse the information posted by other stakeholders.

Participant(s) role during event: The SNS OPS partners Kostas Trichias (6G-IA), Uwe Herzog and David Kennedy (Eurescom) were involved in the organisation of the event. Activities included the drafting of the agenda, preparation of the event webpage, collecting all presentations and making them available for download, and giving the welcome and introduction talk to the event.

Major (lasting) impacts of event: There were 138 registrations for the event. There were many presentations in each of the streams, as follows: Stream A – 14 presentations; Stream B – 14 presentations; Stream C – 10 presentations; Stream D – 13 presentations.

Info about promotion of event: The event was publicised at <https://smart-networks.europa.eu/event/sns-ju-brokerage-event-jan-25-2024/> and via 6G-IA and SNS JU mailing lists.

### 3 Moderator / Speaker support

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

#### 3.1 IEEE International conference on Network Softwarisation

*22 June 2023, Madrid, Spain*

Short description: The theme of the IEEE NetSoft 2023 “Boosting Future Networks through Advanced Softwarization” reflects the vision that future networks will also integrate a native service dimension in a continuum compute-connectivity environment crossing different network segments / providers / domains and enabled by softwarisation coupled with new advanced architectures, frameworks, and models. This will allow greater flexibility, reliability, adaptability, and efficiency for both network operations and service deployments for the benefit of an ecosystem of different application layers/developers/components. This will also lay the foundation to head beyond the current inter-networking capabilities in Future Internet architectures and to further convergence between internetworking and IP layer re-engineering. About 150 participants attended. More information about the event can be found on the website <https://netsoft2023.ieee-netsoft.org/>.

Participant(s) role during event: SNS OPS partners, including Rui Aguiar (ITAV) participated as speaker and member of the distinguished expert panel.

Major (lasting) impacts of event: Dissemination of ideas coming from NetworldEurope SRIA.

Info about promotion of event: This IEEE reference event on network softwarisation was widely disseminated mainly through the event web site <https://netsoft2023.ieee-netsoft.org/> and mailing lists. The event was also promoted on the joint 5G PPP / SNS May 2023 newsflash to help raise awareness: [Newsflash May 2023 < 5G-PPP](#)<sup>19</sup>.

#### 3.2 Berlin 6G Conference

*26 June 2023, Berlin, Germany*

Short description: The Berlin 6G Conference, was the annual networking event of the German 6G Programme, organized by the 6G Platform Germany and co-located with the 2<sup>nd</sup> Germany-Japan Beyond 5G/6G Research Workshop. The event took place at the Berlin Congress Centre from 26-29 June 2023. The event gave an excellent opportunity to learn about the latest in German 6G projects, EU and other national 6G programs, and engage in insightful discussions on key trends and technologies. The event attracted over 600 registrations, with good participation from industry, academia and government representatives.

Participant(s) role during event: Colin Willcock from SNS-OPS gave a keynote presentation on the SNS JU activities. Toon Norp, Governing Board member of the 6G SNS Industry Association (6G-IA), also participated.

Major (lasting) impacts of event: The event was important in better align national and European level 6G research activities. At the lowest level both sides need to be aware of the on-going activities and future plans, but beyond this, the off-line discussion with government representative responsible for national 6G research program funding will hopefully lead to more concrete alignment on future research activities.

Info about promotion of event: First annual event of the German 6G research program widely disseminated in Germany<sup>20</sup> and other European countries.

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<sup>19</sup> <https://5g-ppp.eu/newsflash-may-2023/#event6>

<sup>20</sup> [https://www.fokus.fraunhofer.de/en/fokus/events/berlin-6g-conference\\_2023\\_06](https://www.fokus.fraunhofer.de/en/fokus/events/berlin-6g-conference_2023_06)



### 3.3 CEF2 5G Corridors Workshop

*10 October 2023, Brussels, Belgium*

**Short description:** The EC CEF2 Corridors Workshop was held on 10/10/2023 in Brussels, co-organized by the EC CEF2 GUIDE CSA project, EC European Health and Digital Executive Agency (HaDEA) and EC DG CNECT. The Workshop gathered 80+ participants, including representatives from mobile operators, tower companies, manufacturers/vendors, rail, road and waterways infrastructure operators and managers, research centers and academics and national authorities. The Workshop included also the participation from several associations/organizations, including (among others) 5GAA, ERTICO, UIC and ETNO. The Workshop targeted to (1) review both 5G Strategic Deployment Agendas (SDAs) published in 2020 in the fields of rail and road, (2) provide guidance on 5G Corridors deployment efforts from the public and private sectors and (3) stimulate creation of an EU-funded projects pipeline. During the Workshop, representatives from EC DG CNECT and HaDEA provided information about 5G Corridors perspectives in Europe, including Call 1, Call 2 and Call 3 opening in October 2023 and to close in February 2024. The panelists, including representatives from the different stakeholders listed above (including also from the GUIDE Advisory Board) provided their views on cross-borders deployment. Projects coordinators shared their experiences and lessons learnt from studies to deployment. The Workshop gathered representatives from Call 1 projects and selected Call 2 proposals, who could live exchange/interact during the different sessions. Applicants to Call 3 could also pitch their targeted intention/contributions. The agenda was very well designed to allow provide sufficient time for participants to network and develop interactions during the coffee and lunch breaks, clearly targeting possible matchmaking. The Workshop also successfully bridged Corridors R&I in EC H2020 5G Infrastructure PPP and Corridors deployment in EC CEF2.

**Participant(s) role during event:** SNS OPS partners, including Eurescom and Nokia FR have supported the event.

**Major (lasting) impacts of event:** This successful Workshop enabled to review the status of the Strategic Deployment Agendas (SDAs) which is developed by the SNS-JU / 6G-IA 5G4CAM Working Group, and the 5G Corridor deployment efforts. It was also the opportunity to stimulate further 5G Corridor project proposals.

**Info about promotion of event (website, reports, etc.):** This event was advertised on (at least) [HaDEA and EC websites](#)<sup>21</sup>, [GUIDE CSA website](#)<sup>22</sup> and by specific organizations/associations, e.g. [ERTICO website](#)<sup>23</sup>.

### 3.4 5G and Gov Tech

*25 October 2023, Athens, Greece*

**Short description:** The European Digital Innovation Hub for Digital Governance (GR digiGOV-innoHUB) and the p-NET Competence Center organized a focused workshop on 5G and Gov Tech, involving the main stakeholders of Government, Research, Business and Society, to highlight the main opportunities and untapped potential from such technologies. The event aimed to build a bridge between government officials and technology experts from business and academia. It spotlighted the accelerating technology trends most relevant to the Greek Government, the potentials they create and pave the way towards the definition of practical interventions to accelerate testing, deployment and adoption of emerging technologies.

**Participant(s) role during event:** Kostas Trichias, Senior Researcher, 6G-IA made a presentation entitled 6G-IA Vision & Smart Networks and Services, Research and Innovation. In addition, Ioannis

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<sup>21</sup> [https://hadea.ec.europa.eu/events/5g-corridors-workshop-physical-meeting-2023-10-10\\_en](https://hadea.ec.europa.eu/events/5g-corridors-workshop-physical-meeting-2023-10-10_en)

<sup>22</sup> <https://guide.5gcorridors.eu/5g-corridors-event-october-2023/>

<sup>23</sup> <https://erticonetwork.com/accelerating-europes-5g-corridor-revolution-with-guide/>

Markopoulos, member of the SNS-I SB and Head of EU & International Business in NOVA ICT, made a presentation entitled 5G/6G Testbeds Contribution to the National Digitization Process.

Major (lasting) impacts of event: The event proposed the establishment of nation-wide support measures for the creation of a set of Testbeds / Sandboxes for conducting pilot projects leading to Innovation challenges and solutions of emerging technologies in the following sectors:

- Education / Culture / Tourism
- Smart Ports / Industry 4.0
- Public Protection and Disaster Relief (PPDR)
- Smart City / Smart Island – Digital Twins / Metaverse

Info about promotion of event: Information on the event can be found at <https://joinup.ec.europa.eu/collection/gr-digigov-innohub/event/5g-and-gov-tech-addressing-innovation-challenges-opportunities-government-business-society-greece>.



## 4 Attendance support

During the period, there was one event in which there was attendance support from SNS OPS partners creating impact towards the project and support of SNS JU Programme. This event is highlighted in this section.

### 4.1 5G Observatory Workshop

*26 October 2023, Online*

Short description: The European 5G Observatory was launched in September 2018 to monitor market developments and preparatory actions taken by industry stakeholders and Member States in the context of 5G roll-out in Europe, and beyond. The 5G Observatory held its 5<sup>th</sup> Stakeholder Workshop online with more than 100 participants. The latest 5G Observatory report was discussed with latest data and key developments related to 5G in the EU and other international markets. It included a session on future needs for 5G service deployment monitoring and reporting for both policymaking, especially in the context of the annual monitoring cycle of the Digital Decade Programme.

Participant(s) role at the event: Didier Bourse of Nokia France and Carole Manero from IDATE attended the event and shared key outputs with Trials WG members. Slides presented are available here: [5G Observatory releases slides from annual stakeholder workshop – 5G Observatory](#)<sup>24</sup>

Major (lasting) impacts of event: The event proposed the more recent key figures regarding 5G coverage and connections while also drawing attention to the current gaps in statistics in areas such as Quality of Service (QoS) and indoor coverage, as well as the need for more reliable information on 5G Stand-Alone. Additionally, several critical topics were intensively discussed, including sustainability and the decommissioning of legacy networks. The role of edge computing and the transformation of traditional Capex based business models towards Software as a Service (SaaS) models were also key points of discussion. Furthermore, the event highlighted the importance of aligning industrial policy between private enterprises and regulators. The need for geopolitical resilience to protect networks from various threats and crises was another significant topic that garnered considerable debate among the participants.

Info about promotion of event: Information on the event can be found at [5G Observatory releases slides from annual stakeholder workshop – 5G Observatory](#)<sup>25</sup>.

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<sup>24</sup> <https://5gobservatory.eu/5g-observatory-releases-slides-from-annual-stakeholder-workshop/>

<sup>25</sup> <https://5gobservatory.eu/5g-observatory-releases-slides-from-annual-stakeholder-workshop/>

## 5 Next year events

A number of events are already planned and on our radar in the next period. These will be highlighted in this section.

### 5.1 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 are organizing a global and fully virtual workshop open to all on February 13-14. Registration is open here [The 6G series workshop by Hexa-X-II Feb 2024<sup>26</sup>](#). The 6Gseries workshop is supported by the European Commission and the SNS JU Office. The event will be 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, will be covered. The workshop aims to provide valuable insights and stimulate thoughtful discussions, enriched by perspectives from various world regions.

Participant(s) role during event: Colin Willcock, Chairman of the Board, 6G-IA, and other SNS OPS partners, including Nokia, Orange, IDATE and others are expected to participate in the event.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

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/>. The event is also publicised in SNS newsflashes and newsletters before the date ([SNS JU January 2024 Newsflash - SNS JU \(europa.eu\)<sup>27</sup>](#)).

### 5.2 NetworldEurope/CCSA Connected Vehicles Workshop @MWC 2024

*28 February 2024, Barcelona, Spain*

Short description: A workshop is being organised as part of Mobile World Congress 2024 (MWC 2024) entitled “Enablement for Connected Vehicles Workshop”. The event is being co-organized by NetworldEurope and China Communications Standards Association (CCSA). The event will have 2 components, one onsite in Barcelona and the other online, with the respective zoom link available upon registration.

The workshop aims to provide an open information space to share current and future views about the connected vehicles, and how this theme is being addressed by different stakeholders. Two different discussion panels are 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 will feature 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, Instituto de Telecomunicações, are organising the event and it is expected that other SNS OPS partners will participate and contribute.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

Info about promotion of event: Information including the draft agenda can be found at <https://www.networldeurope.eu/workshop-enablement-for-connected-vehicles-28-february-2024/>. The event is also publicised in ([SNS JU January 2024 Newsflash - SNS JU \(europa.eu\)](#)).

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<sup>26</sup> <https://hexa-x-ii.eu/the-6g-series-workshop-by-hexa-x-ii-feb-2024/>

<sup>27</sup> <https://smart-networks.europa.eu/sns-ju-january-2024-newsflash/>

## 5.3 ETSI Conference on Non-Terrestrial Networks, a Native Component of 6G

*03 – 04 April 2024, Sophia Antipolis, France*

Short description: Co-organized by ESA, 6G-IA and the SNS JU, will offer attendees the unique opportunity to come together and exchange with experts, network with peers, and visit the dedicated project posters all focussing on the topic of Non-Terrestrial Networks (NTN) for beyond 5G. The event will foster discussions on the following topics:

- Targeted use cases that will be enabled by NTN in 6G.
- Possible 6G architecture frameworks (including interfaces) enabling the native integration of the NTN components.
- Candidate technologies/features for NTN in 6G.
- Standardization approach (e.g. what, where, when) for NTN in 6G.

Additionally, the event will be an opportunity for research organizations (academia and industrial research) to discuss new trends and features in the field of NTN solutions in the perspective of standardization.

Posters from the latest projects in the field NTN / satellite / 6G technologies may be provided to complement the conference programme.

Participant(s) role during event: 6G-IA is a co-organiser of the event and other SNS OPS partners are expected to participate in the event.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

Info about promotion of event: Information including the draft agenda can be found at <https://smart-networks.europa.eu/event/etsi-conference-on-non-terrestrial-networks/>. The event is also publicised in save the date sections of SNS newsflashes and newsletters before the date ([SNS JU January 2024 Newsflash - SNS JU \(europa.eu\)](#)<sup>28</sup> and SNS JU January 2024 Newsflash - SNS JU (europa.eu)).

## 5.4 6G Symposium 2024

*09 – 11 April 2024, Kittilä, Finland*

Short description: 6G Symposium comes 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 will focus 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 will focus on a debate about some of the most important issues and controversies facing telecoms' development.

What to expect:

- 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.
- Live demonstrations of cutting-edge technology.

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<sup>28</sup> <https://smart-networks.europa.eu/sns-ju-january-2024-newsflash/>

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, are speakers at the event.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

Info about promotion of event: Information on the event can be found at <https://www.6gworld.com/6gsymposium-spring-2024/>. The event is also publicised in save the date sections of SNS newsflashes and newsletters before the date ([SNS JU January 2024 Newsflash – SNS JU \(europa.eu\)](#) and SNS JU January 2024 Newsflash – SNS JU (28europa.eu)).

## 5.5 EuCNC & 6G Summit 2024

*03 – 06 June 2024, Antwerp, Belgium*

Short description: The 2024 EuCNC & 6G Summit builds on putting together two successful conferences in the area of telecommunications: EuCNC, in its 33<sup>rd</sup> edition of a series, supported by the European Commission; the 6G Summit, in its 6<sup>th</sup> 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. It brings together cutting-edge research and world-renown industries and businesses, globally attracting in the last years more than 700 delegates from more than 40 countries all over the world, to present and discuss the latest results, and an exhibition with more than 50 exhibitors, for demonstrating the technology developed in the area, namely within research projects from EU R&I programmes.

Participant(s) role during event: SNS OPS partners will be engaged in both organisational aspects of the overall conference and summit, organising a booth in the exhibition area, and individual workshops and sessions.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

Info about promotion of event: Information on the event can be found at <https://www.eucnc.eu/about/announcement-eucnc-6g-summit-2024/>. The event is also publicised in save the date sections of SNS newsflashes and newsletters before the date ([SNS JU January 2024 Newsflash - SNS JU \(europa.eu\)](#) and SNS JU January 2024 Newsflash - SNS JU (europa.eu)). The EuCNC & 6G Summit 2024 will also be promoted in the 2024 edition of the SNS Journal to be released and distributed in Antwerpen, Belgium.

## 5.6 5G Techritory 2024

*30 – 31 October 2024, Riga, Latvia*

Short description: Planning for the next series of this annual event is already underway. 5G Techritory has proven that it is the place to be for action-driven experts, academics and lawmakers. 5G Techritory 2023 featured two Memorandums of Understanding signed, 18 co-creation events focusing on 5G practicalities, as well as 32 excellent panel and keynote speeches.

Participant(s) role during event: Colin Willcock, Chairman of the Board, 6G-IA, is expected to participate, as well as other SNS OPS participants.

Major (lasting) impacts of event: This will be elaborated when the event concludes.

Info about promotion of event: Information on the event can be found at <https://www.5gtechritory.com/>.

## 6 Conclusions

The 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 the start of the project on 01 January 2023 until 31 January 2024. Since the period of the report coincides with the start of the SNS JU projects themselves, the external events for the new projects didn't start until the middle of the period being covered in the report.

The report focusses on 19 SNS JU related events (one of which was held as 4 individual lunchtime events) supported by the SNS OPS partners during the first year of the project with organisational activities, speaker / moderator participation, and/or attendance support in all the reported events.

Moreover, each event was supplemented with active promotional, dissemination and communications activities, which is addressed in SNS OPS Deliverable D2.3: Interim SNS Dissemination and Communication Activities 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.

Of these 19 events presented in the report, 9 were held in face-to-face format, and 10 events were held in virtual format, with the majority of the face-to-face events advertising and offering full hybrid format for participants, as well.

A number of future events have already been elaborated and are in preparations by the SNS OPS team. The work in the next 14 months supporting of SNS JU related events will continue in both support of in-person mode and online events in 2024 and beyond.

# 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			D			
Month	Date	Event	Location	Relevant project/office (use pull down menu)	SNS/6G-IA/EC/Project Partners	Comments / Notes	Type of participation (use pull down only)	Link(s) to event, reports of events, etc.)	Impact of event on your project (contributing to D4.3.3, Task 3.1, Role in ABC, .... This is VERY IMPORTANT. Try to fill in or as near as possible. If the event was covering something (to be captured directly or indirectly) in any project deliverables, please specify)
JANUARY	10/01/2023	Joint ATIS Next G ALLIANCE (US) and 6G-IA Workshop	Online	SNS-ICE	Various speakers from 6G-IA and SNS JU	Announcement of conference + Call for Papers/workshops etc (Jan-Feb 2023)	Full engagement / organisational support	https://5g-ppp.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and	NetworkEurope organized a webinar to present its Strategic Research and Innovation Agenda (SRIA 2022). Although the SRIA 2022 is composed of two major agendas, the SRIA 2022 was centred on the technical annex, available at: https://www.network-europe.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and
	12-13/01/2023	NetworkEurope SRIA webinar	Online	6G-START	Rui Aguiar from Instituto de Telecomunicações/ Universidade de Aveiro, SB Chair of NetworkWorld	Announcement of conference + Call for Papers/workshops etc (Jan-Feb 2023)	Full engagement / organisational support	https://5g-ppp.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and	NetworkEurope organized a webinar to present its Strategic Research and Innovation Agenda (SRIA 2022). Although the SRIA 2022 is composed of two major agendas, the SRIA 2022 was centred on the technical annex, available at: https://www.network-europe.eu/event/network-europe-sria-webinar/and https://www.network-europe.eu/event/network-europe-sria-webinar/and
	27/01/2023	EuCNC/6G5 related communication	Online	N/A	N/A	Announcement of conference + Call for Papers/workshops etc (Jan-Feb 2023)	Full engagement / organisational support	https://www.etsi.org/event/etsi-research-conference-maximizing-the-impact-of-european-5g-research-through-standardization/	ETSI Research Conference: Maximizing the Impact of European 5G Research through Standardization provided an exceptional opportunity for the research community to come together with industry and academia to discuss future technology research and development. At the beginning of 2023, the ETSI Research Conference on 5G / 6G research projects, many of which will play a key role in the definition of next generation networks. The ETSI Research Conference provided a perfect platform for these new projects to present their plans and exchange with the standards experts on their roadmaps. In addition, the ETSI Research Conference provided an opportunity for researchers on how to get involved in standardization activities and examples of research being integrated into the standards community as to where they are needed.
FEBRUARY	6-8/02/2023	ETSI R&D event 2023	Sophia - Antipolis	6G-START	Alex Kaloyiannis, Kostas Trichias	This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This first webinar presented Stream /Strand B5 & C & D projects addressing 6G Holistic System, SNS experimental infrastructures & SNS Large Scale Systems. This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This second webinar presented the Stream A projects addressing Smart Communication Components, Systems and Networks for 5G Evolution Ecosystem.	Full engagement / organisational support	https://smart-networks.europa.eu/event/etsi-research-conference-maximizing-the-impact-of-european-5g-research-through-standardization/	ETSI Research Conference: Maximizing the Impact of European 5G Research through Standardization provided an exceptional opportunity for the research community to come together with industry and academia to discuss future technology research and development. At the beginning of 2023, the ETSI Research Conference on 5G / 6G research projects, many of which will play a key role in the definition of next generation networks. The ETSI Research Conference provided a perfect platform for these new projects to present their plans and exchange with the standards experts on their roadmaps. In addition, the ETSI Research Conference provided an opportunity for researchers on how to get involved in standardization activities and examples of research being integrated into the standards community as to where they are needed.
	15/02/2023	SNS Luncetime Webinar 1 - Introducing the SNS projects (Part 1 of 4)	Online	SNS-OPS	Alex Kaloyiannis, David Kennedy	This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This first webinar presented Stream /Strand B5 & C & D projects addressing 6G Holistic System, SNS experimental infrastructures & SNS Large Scale Systems. This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This second webinar presented the Stream A projects addressing Smart Communication Components, Systems and Networks for 5G Evolution Ecosystem.	Full engagement / organisational support	https://smart-networks.europa.eu/event/etsi-research-conference-maximizing-the-impact-of-european-5g-research-through-standardization/	ETSI Research Conference: Maximizing the Impact of European 5G Research through Standardization provided an exceptional opportunity for the research community to come together with industry and academia to discuss future technology research and development. At the beginning of 2023, the ETSI Research Conference on 5G / 6G research projects, many of which will play a key role in the definition of next generation networks. The ETSI Research Conference provided a perfect platform for these new projects to present their plans and exchange with the standards experts on their roadmaps. In addition, the ETSI Research Conference provided an opportunity for researchers on how to get involved in standardization activities and examples of research being integrated into the standards community as to where they are needed.
	20/02/2023	SNS Luncetime Webinar 2 - Introducing the SNS projects (Part 2 of 4)	Online	SNS-OPS	Kostas Trichias, Colin Wilcock, David Kennedy	This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This first webinar presented Stream /Strand B5 & C & D projects addressing 6G Holistic System, SNS experimental infrastructures & SNS Large Scale Systems. This webinar series was to introduce the 35 projects of SNS Call 1 to the community. This second webinar presented the Stream A projects addressing Smart Communication Components, Systems and Networks for 5G Evolution Ecosystem.	Full engagement / organisational support	https://smart-networks.europa.eu/event/etsi-research-conference-maximizing-the-impact-of-european-5g-research-through-standardization/	ETSI Research Conference: Maximizing the Impact of European 5G Research through Standardization provided an exceptional opportunity for the research community to come together with industry and academia to discuss future technology research and development. At the beginning of 2023, the ETSI Research Conference on 5G / 6G research projects, many of which will play a key role in the definition of next generation networks. The ETSI Research Conference provided a perfect platform for these new projects to present their plans and exchange with the standards experts on their roadmaps. In addition, the ETSI Research Conference provided an opportunity for researchers on how to get involved in standardization activities and examples of research being integrated into the standards community as to where they are needed.