



6G SNS

6G-IA General Assembly

14 December 2023

Erzsébet Fitori, Executive Director, SNS JU



6G SNS
IA

Governance Structure

Smart Networks and Services
Joint Undertaking

JU
Members



States
Representatives
Group



Stakeholders
Group



International
Partnerships



- **Representation of Private & Public Sector (50/50)**
- Governing Board: Strategic orientation and roadmap
- Long term commitment (planning and implementation)
- **Synergies with national investments and 6G R&I plans** , through a coordinated approach.
- Consultation and Strategic Guidance.
- Strategic coordination of EU piloting and deployment initiatives
- **Synergies with other partnerships and associations**
- Advisory body
- **Cooperation in mutually relevant domains**
- Associated Countries / multilateral participation
- Long-term collaborative cross-roadmaps possible

Collaboration and Partnerships are strategic priorities for the SNS programme

6G SNS



Strategic Priorities

EU-wide
collective effort

Creating a human-centric digital world reflecting European values



**New
Applications**

Seizing a fair share of the "Trillion €"
opportunity in future network-based industrial sectors



Industrial leadership

Starting the 6G race with an **aspiration to leverage EU technological leadership**



Sustainable Development

Support EU Green Deal targets
Building on a **clear promise of Sustainability**



Societal Impact

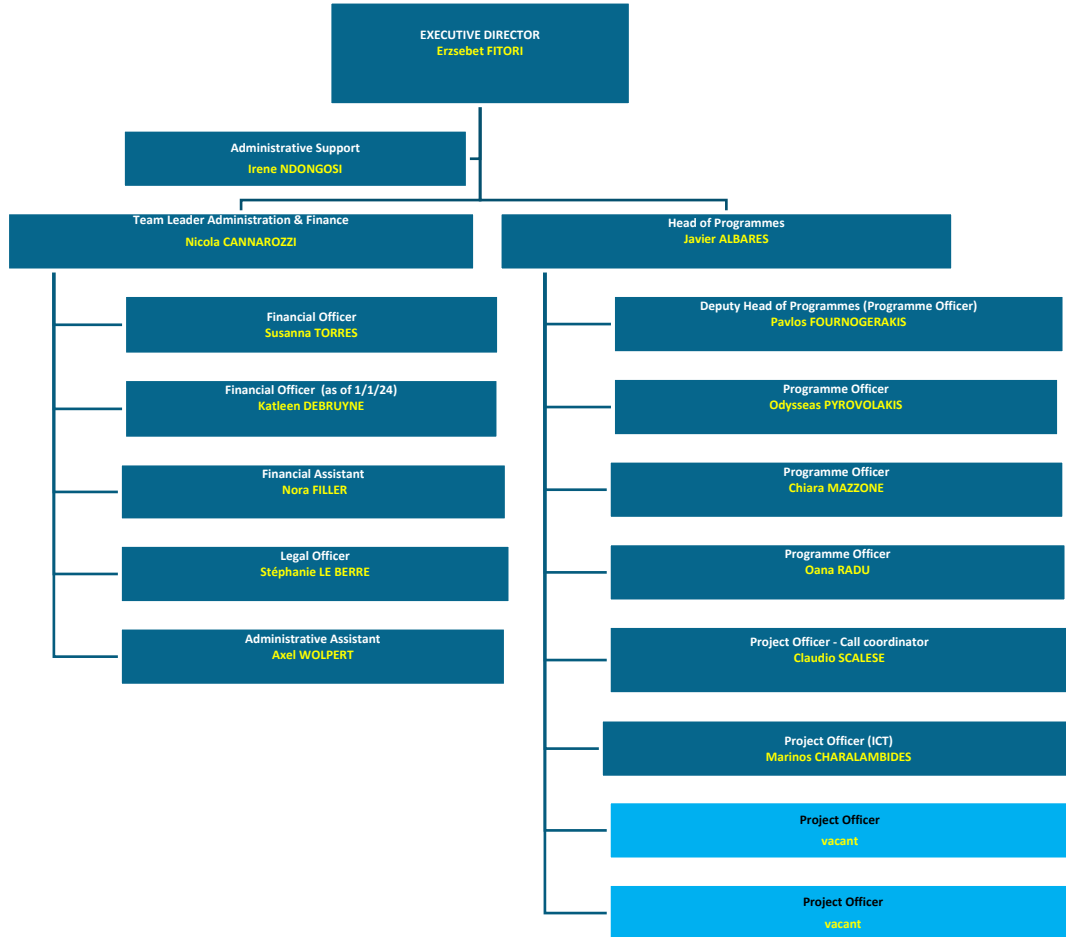
Smart connectivity underpinning key societal issues such as **Inclusion and Trustworthiness**



Technological Sovereignty & Security

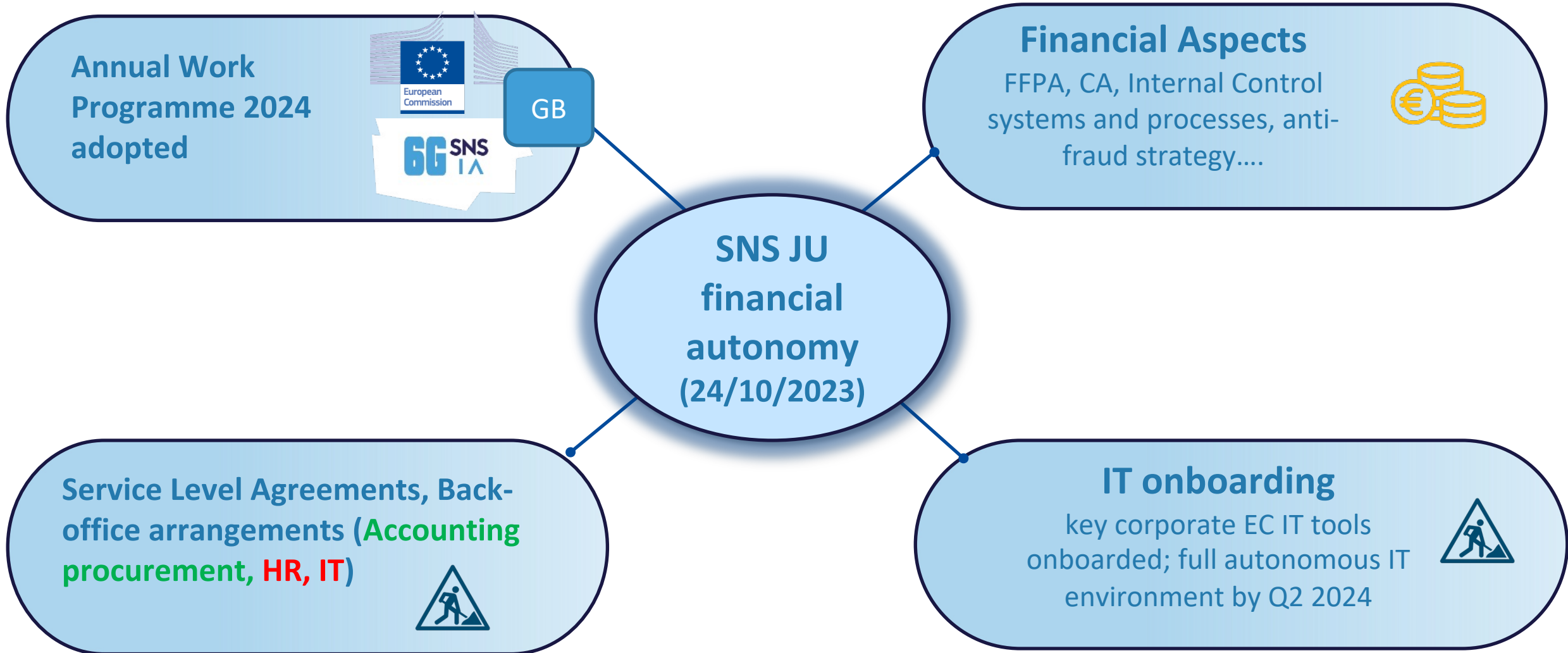
Value chain approach for a comprehensive EU supply capacity, from components to cloud services, in line with the 5G cybersecurity toolbox

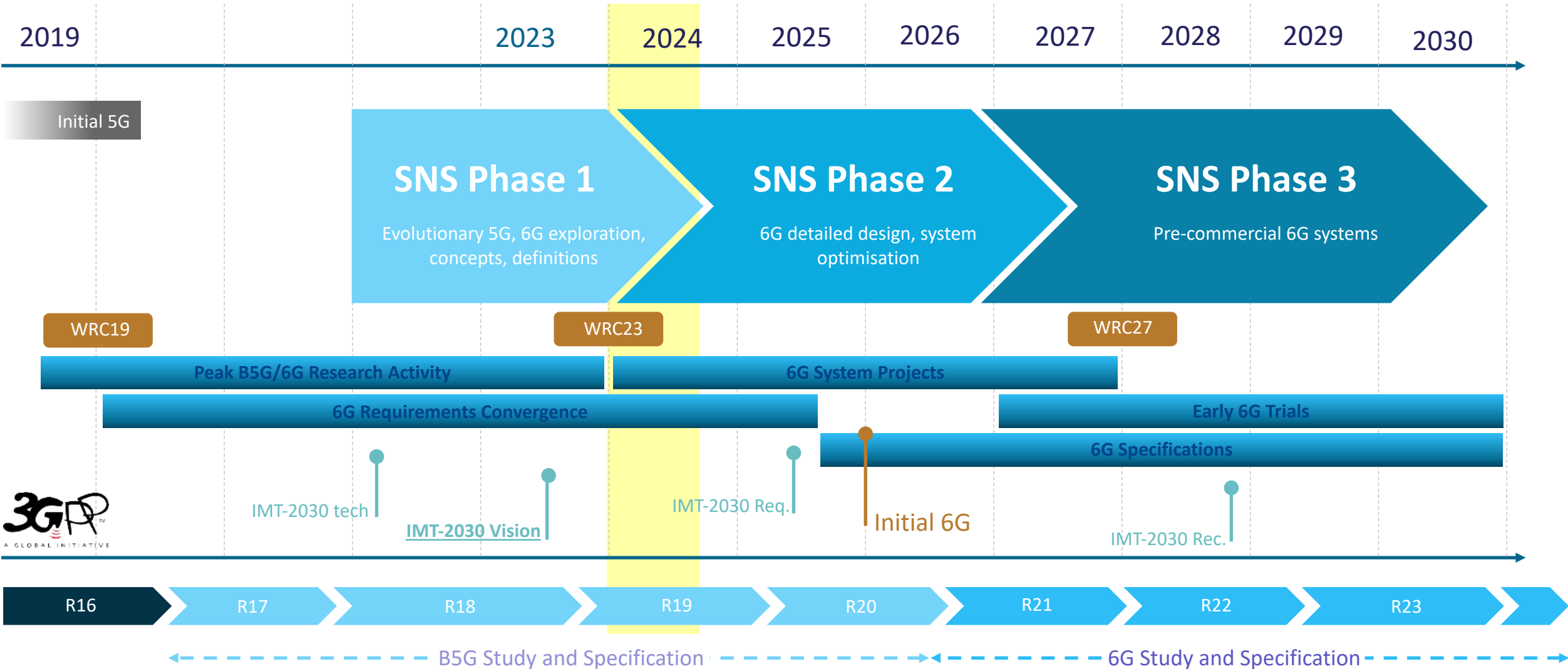
Collaboration and Partnerships : Our response to the magnitude of the challenges



New office in White Atrium





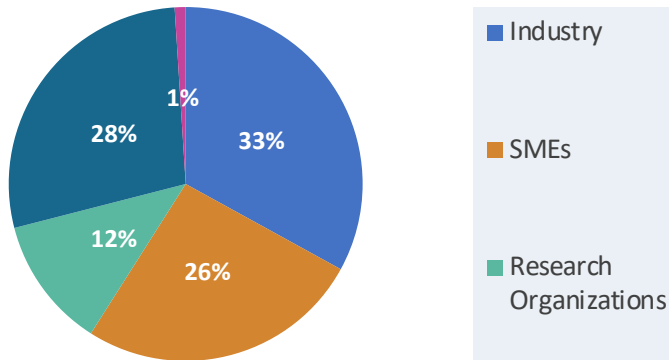


2nd Call
of projects
(Q1-2024)

27 projects
216 beneficiaries
SMEs 26%
Non-6G-IA 33%
IKOP 12,1 M €

130 Million €

Beneficiaries distribution



- **Grant Agreement Preparation** ongoing: 19 projects GAs fully signed, pre-financing has started
- **A new project (ELASTIC)** invited for GAP

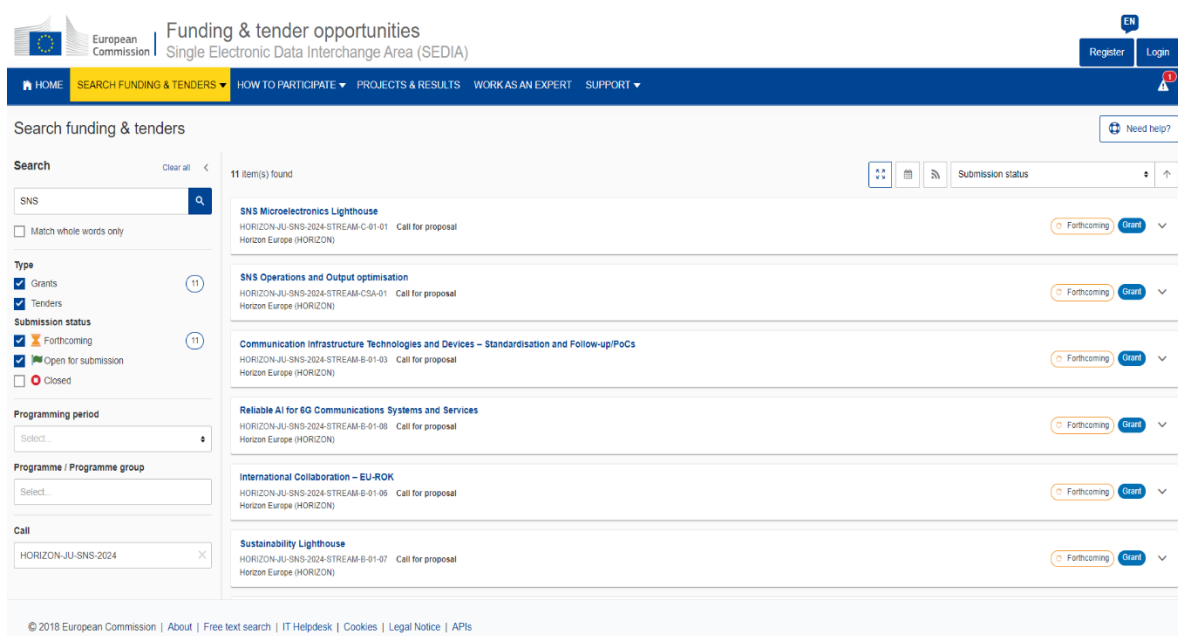


Call 2 Selected projects announced
at 5G Techritory Event



6G research gets a 130 million EUR EU funding boost in Europe - SNS JU (europa.eu)

F&T portal publication on 5/12



R&I WP 2024 adopted by GB on 23/11 and published on SNS website



Strong community interest with >300 participants at the SNS R&I WP 2024 Briefing Session on 13/12/2023!

Call 3 IMPORTANT DATES

Planned Opening date: **16 January 2024**

Proposal submission deadline: **18 April 2024 17:00:00**
(Brussels local time)

Forthcoming Call 3 Events:

- SNS Call for Proposals 2024 – Information Day on 22 January 2024, Agenda and registration link available [here](#).
- Brokerage Event: (date and registration TBC)

Smart Networks and Services
Joint Undertaking



€129M EU funding

Focus on:

- Higher TRL projects
- Standardisation
- Sustainability
- Microelectronics
- International collaboration
- AI
- Synergies with EU Rail Joint Undertaking

SNS JU
**Call 3
Info Day**

22 January 2024 | 10h-13h
Online session

6G SNS

Swipe▶▶▶

Check out the **2024 SNS R&I
Work Programme**
europa.eu/IH7nNKd



More info on the SNS JU
smart-networks.europa.eu

**Be part of
our community**
linkedin.com/company/sns-ju

twitter.com/6G_SNS



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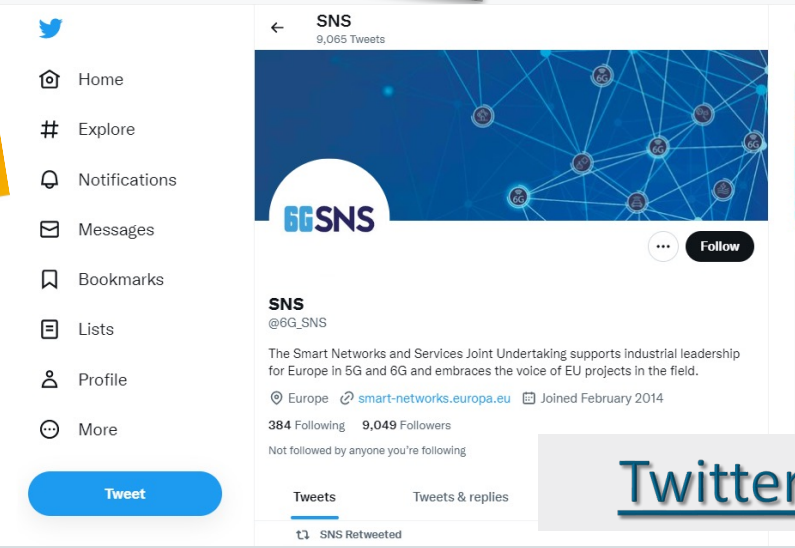
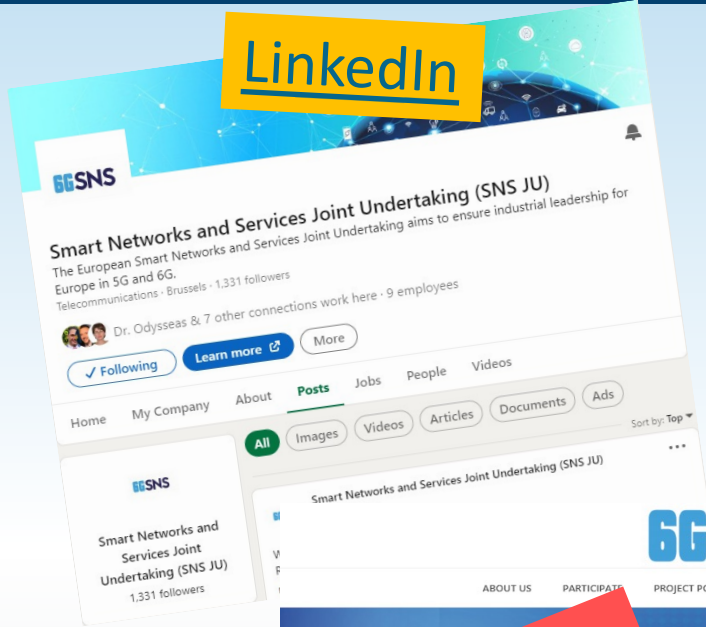


SNS JU will be present at

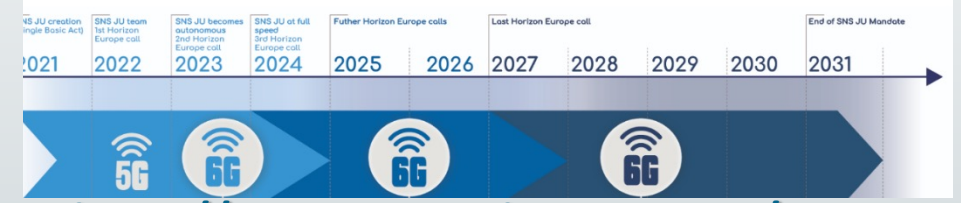
Welcome to 2024 EuCNC & 6G Summit
3-6 June | Antwerp, Belgium

6G: from Vision to Reality

Press releases



Twitter



<https://smart-networks.europa.eu/>

6G SNS

SMART NETWORKS AND SERVICES
JOINT UNDERTAKING

THANK YOU FOR YOUR ATTENTION



in

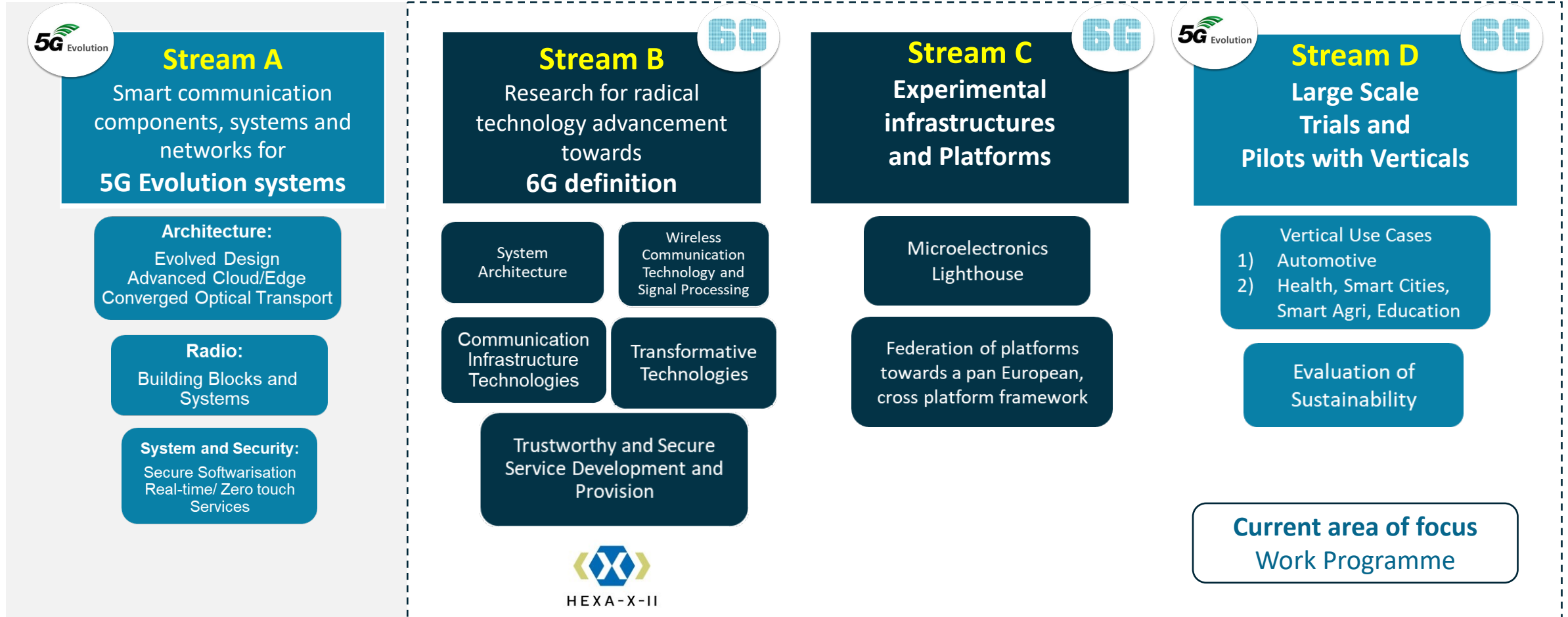


Contact us: smart-networks.europa.eu



Back-up slides

EU upfront commitment of €900M up to 2027



129 MM €

What is new?

Higher TRL
Focus on 6G
Standardisation
Extended PoCs

International
Collaboration

Lighthouse
Projects

Artificial
Intelligence

Trials with
Verticals

Stream B

Research for radical technology advancement
towards **6G definition**

B1. System Architecture

B2. Wireless Tech

B3. Infrastructure & devices

B4. Reliability & Security

B5. Japan



B6. South Korea



B7. Sustainability



B8. Reliable AI

Stream C

Experimental
infrastructures
and Platforms

C. Microelectronics



Stream D

Large Scale
Trials and
Pilots with Verticals

D. Large Scale Trials

Other

Synergies and CSA

CSA. Operations

Synergy EU-Rail
FRMCS



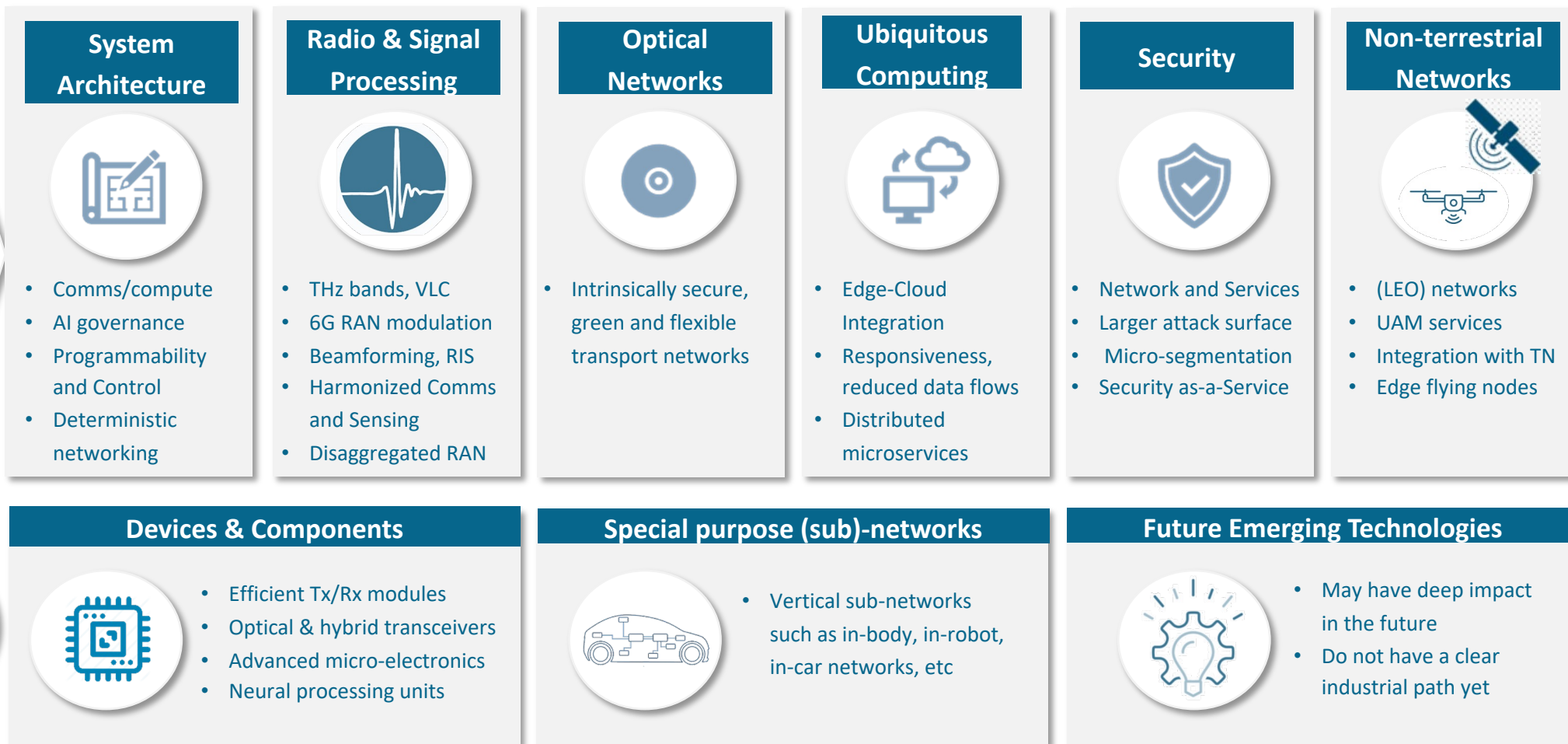
Examples
Non-exhaustive

Smart
Network
Infrastructure
(6G capabilities)



Convergence
with other
adjacent/horizontal
technologies, e.g.
AI/ML

6G will require significant technological breakthroughs to enable its ambitious goals



Source: Network Europe SRIA - <https://www.networkeurope.eu/sria-and-whitepapers/>

- Align technological efforts
- Enable a coherent HE
- Strengthen European efforts
- Mobilize stakeholders
- Promote SNS vision & results

SRG

SNS Stakeholder group

Related Partnerships

National Initiatives

Vertical Stakeholders

International Activity

Standardization bodies



Realistic analysis of trade-offs

Performance/Redundancy/Security/Utility/TCO/ Power



Business and Societal



Deployment of 6G infrastructures will require significant resources and careful planning (including equitable and inclusive urban-rural connectivity dimensions)

Regulatory and Ethical



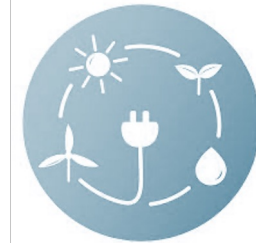
Future spectrum regulation, data privacy, IPRs and ethical use of AI will pose new challenges to ensure trustworthiness that require thoughtful solutions.

Security and Resilience



Protecting against cyber threats and ensuring network resilience will be critical for the success and safety of 6G technology.

Sustainability



Innovations in energy-efficient network infrastructure, ambient IoT and power management solutions to reduce the environmental impact of 6G

Technological Sovereignty

*...the ability for Europe to **develop, provide, protect, and retain critical technologies** required for the welfare of European citizens and prosperity of businesses, and the ability to **act and decide independently** in a globalised environment ...*

Source: [https://www.europarl.europa.eu/RegData/etudes/STUD/2021/697184/EPRS_STU\(2021\)697184_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/STUD/2021/697184/EPRS_STU(2021)697184_EN.pdf)

We must be prepared for a hyperconnected future that reshapes industries, lifestyles, and economies on a global scale

- Building a **shared vision of 6G** with an agreed roadmap
- Learning from **5G experience**, validating business perspectives early-on
- **Ecosystem view** with end-to-end initiatives (research-standards-industry)
- **Collaboration** via public-private partnerships, and internationally
- **Understanding future trade-offs** to guide decision making