

Erzsébet Fitori

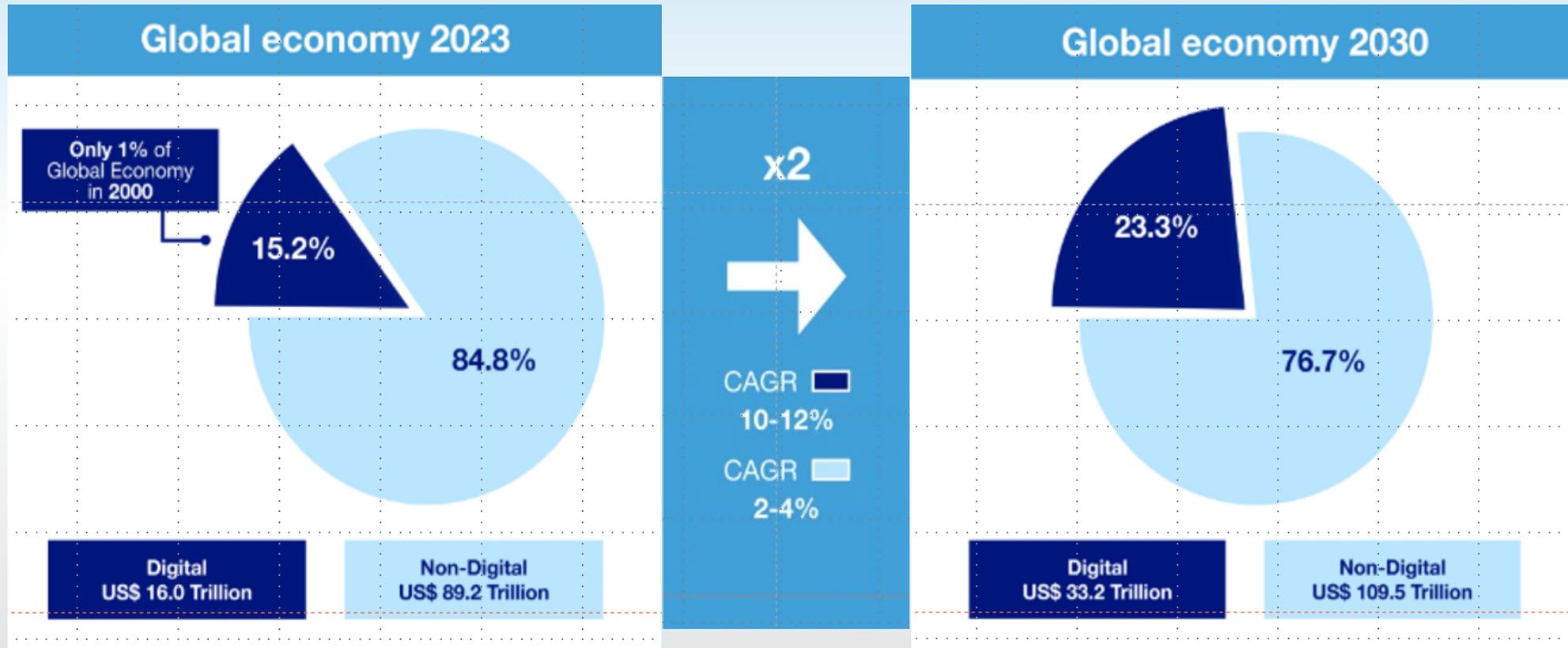
Executive Director,
SNS JU





- The **Smart Networks and Services JU (SNS JU)** is a Joint Undertaking (Public-Private Partnership) established by the European Commission and 6G-IA.
- Our **ambition is to lead the global transition to 6G**, with Europe at the forefront, pioneering new capabilities and innovations that will shape our connected future.
 - funding research and innovation projects
 - participating in the 6G standardization roadmap
 - coordinating national deployment agendas (i.e. 5G corridors)
 - co-creating with vertical sectors to define a diverse set of applications
- Leadership in **6G is more than a technological achievement**. It's a commitment to digital sovereignty, economic growth, and societal advancement.

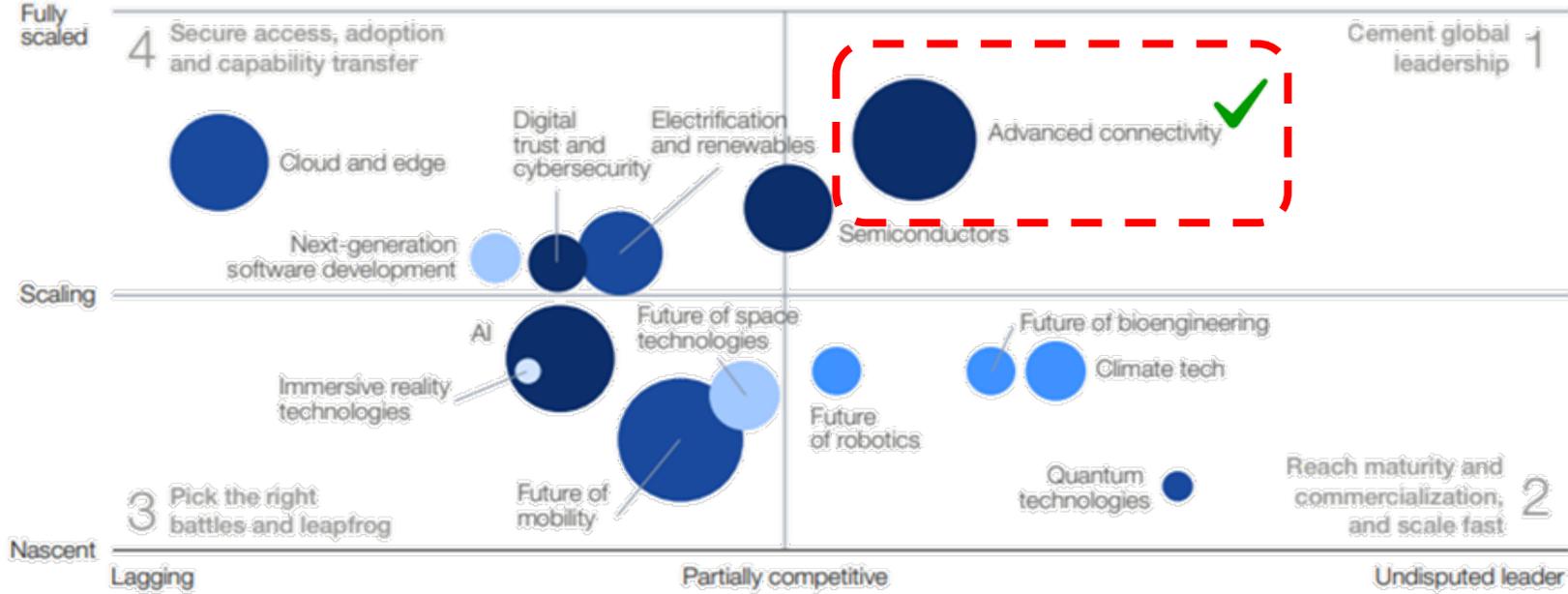
Due to technological advances and increasing digital adoption across sectors



Source: Mid-range projections based on World Economic Forum, OECD Digital Economy Outlook, McKinsey Global Institute, World Bank and IMF Reports

Global technology maturity

(Global technology maturity life cycle)



Europe's starting position in 2024
(Based on investments, publications, patents and expert judgement)



1. Contribution to European sovereignty (based on analysis of import/export tariffs) 2. Market size by revenue based on estimates in MGI reports "The next big arenas of competition" (2024) and "Securing Europe's competitiveness" (2022)

Source: McKinsey, MGI, expert interviews

6G SNS



**Strategic
Priorities**

**EU-wide
collective effort**

Creating a human-centric digital world reflecting European values



Competitiveness

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

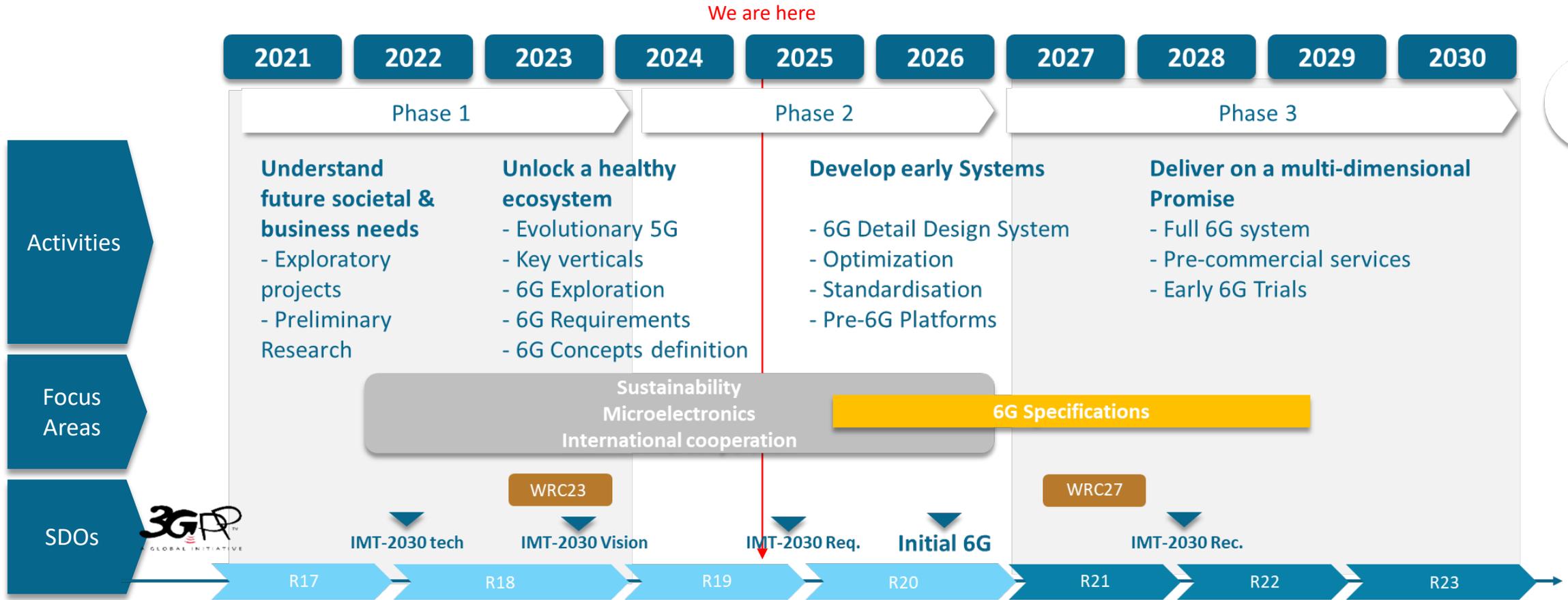
Smart connectivity underpinning key societal issues such as **Safety, Inclusion and Trustworthiness**



Technological Sovereignty & Security

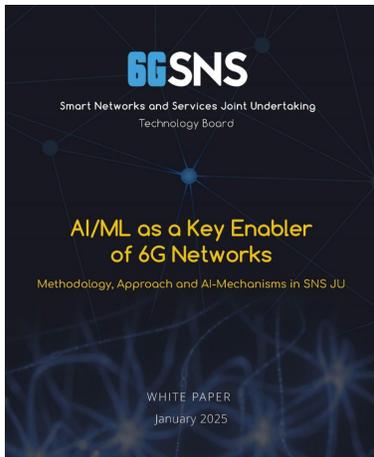
Value chain approach for a comprehensive EU supply capacity, from components to cloud services, in line with 5G cybersecurity toolbox and HE guidelines

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



EC White Paper - How to master Europe's digital infrastructure needs?
 6G-IA - European Vision for the 6G Network Ecosystem





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

DOI: 10.5281/zenodo.1423497
URL: <https://doi.org/10.5281/zenodo.1423497>



WHITE PAPER
TOWARDS 6G ARCHITECTURE: KEY CONCEPTS, CHALLENGES, AND BUILDING BLOCKS

DOI: 10.5281/zenodo.1398177
URL: <https://doi.org/10.5281/zenodo.1398177>



WHITE PAPER
6G KPIS - DEFINITIONS AND TARGET VALUES

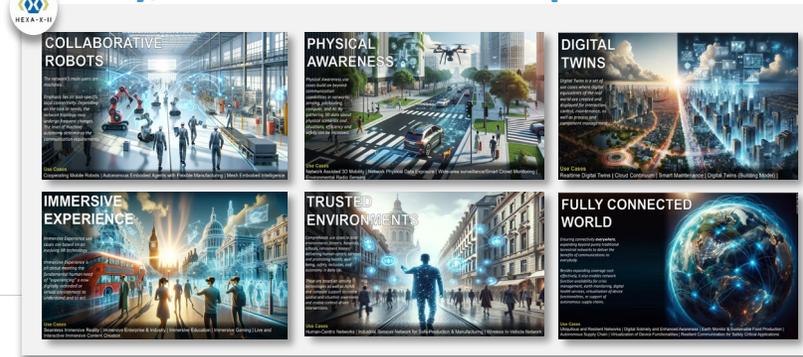
DOI: 10.5281/zenodo.1422958
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[Project Portfolio - SNS JU](#) & [Interactive map of SNS projects - SNS JU](#)

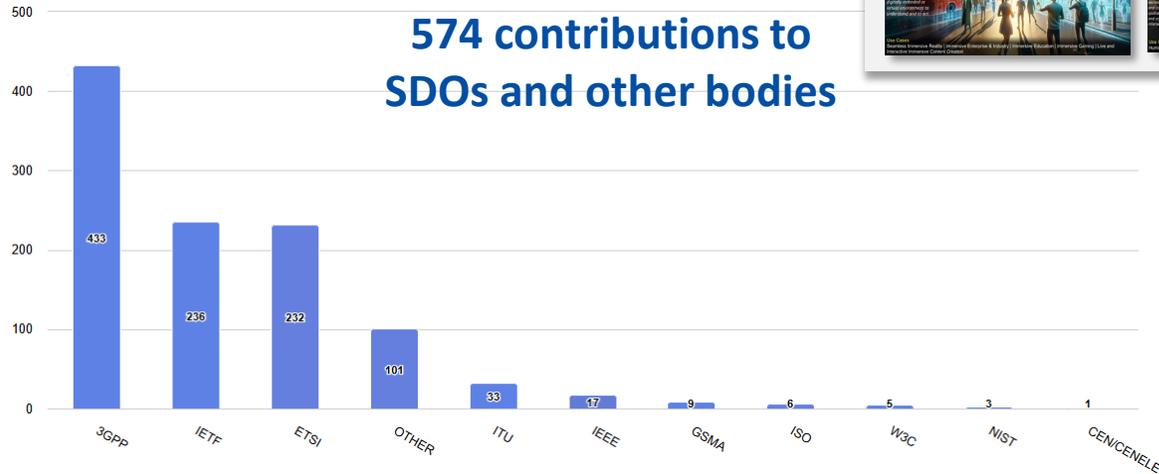
SNS publications : [SNS Publications - SNS JU](#)
6G-IA publications: [Plans & Papers – 6G IA](#)

6 families of use cases that will transform society, industries and competitiveness



Targeted SDOs by SNS JU projects

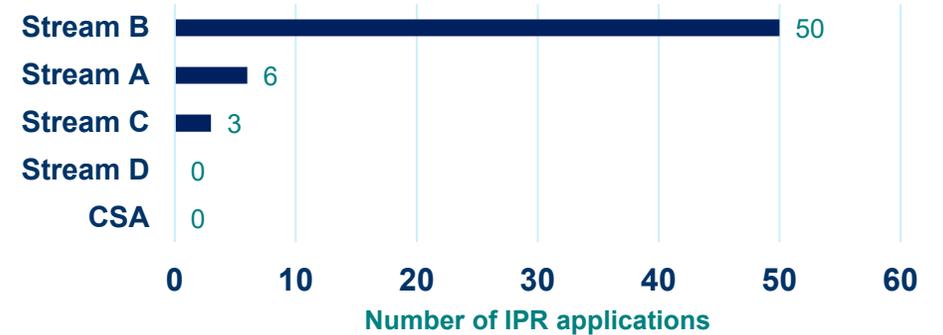
standard contributions of SNS projects by SDO



574 contributions to SDOs and other bodies

Vibrant SNS IPR ecosystem

Patent / IPR Applications per Stream



Source: SNS-OPS 2025 Questionnaire on SNS projects, April 2025

Ultimate goal: provide opportunities to European stakeholders in industry, research and academia to achieve a leading position in the standardization process, securing a leading position for Europe in the global ICT market.

International Cooperation

SNS and National Initiatives

Synergies with verticals

6G XCEL
3 million EURO
6G Trans-Continental Edge Learning

6G-Mirai
3 million EURO
AI-Native RAN Integrated 6G RAN-Core

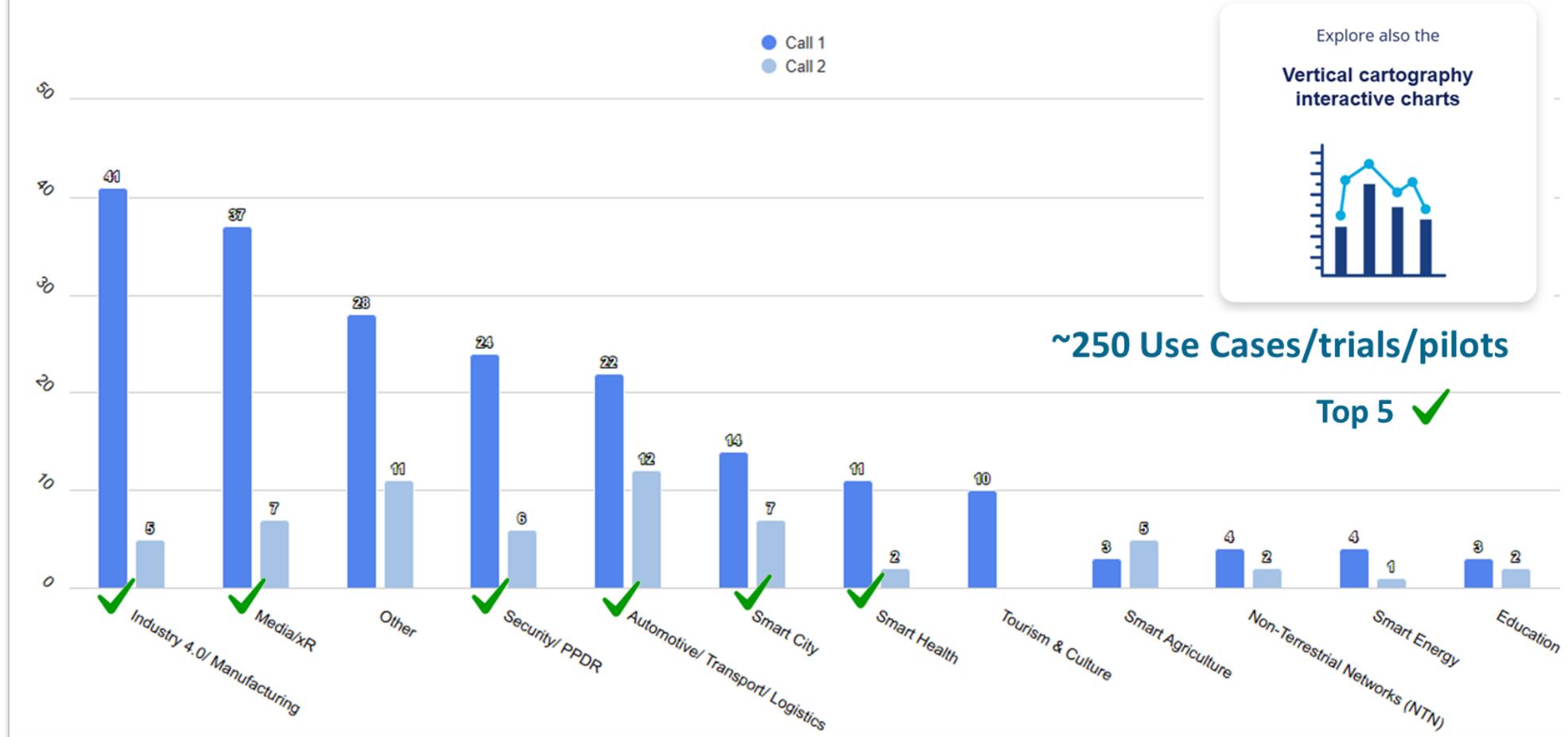
6GARROW
3 million EURO
AI-Native RAN Integrated RAN-Device approach

6GEM
6G-RIC Research and Innovation Cluster
6G-life
FRANCE 2030 PROGRAMME DE RECHERCHE COLLABORATION NUMERIQUE
Open6GHub
Platform Germany
UNICO I+D
6G BRIDGE
CONNECT
Avancerad Digitalisering
RESTART
FUTURE NETWORK SERVICES

MORONE 2
1 million EURO (SNS funding)
FRMS
Europe's Rail

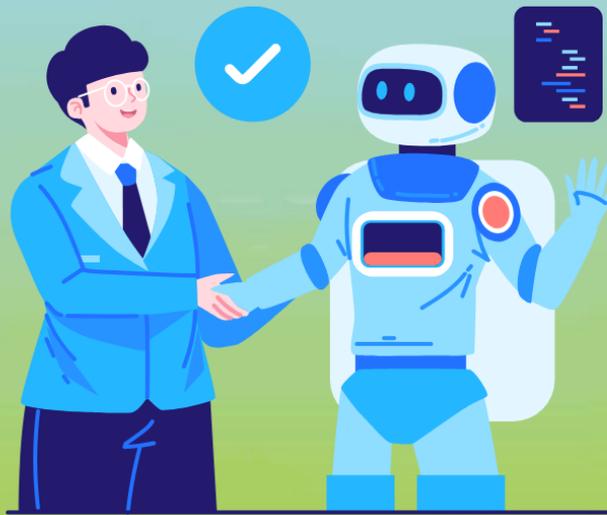
Collaboration and Partnerships is a Strategic priority for the SNS program

Call 1 and 2 Vertical sectors



[Verticals Cartography | 6G SNS Tracker](#)

Launch of the **SNS JU Fourth Call for Proposals 2025**



Opening: 22 May 2025
Deadline: 18 September 2025

6G SNS

**€104M EU funding for
6G research and innovation
in 2025**

Focus on:

- ✓ Disruptive R&I on advanced architectures
- ✓ IoT & Device Technologies
- ✓ Wireless Communication Technologies
- ✓ Non-Terrestrial Networks
- ✓ Optical Networks and integration of Photonics
- ✓ Security & Reliable Services
- ✓ Microelectronics
- ✓ Telco Cloud and Service Provision experimental infrastructure

**Check out the R&I Work
Programme 2025 at:**
<https://smart-networks.europa.eu/>

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https://eupolicy.social/@6G_SNS



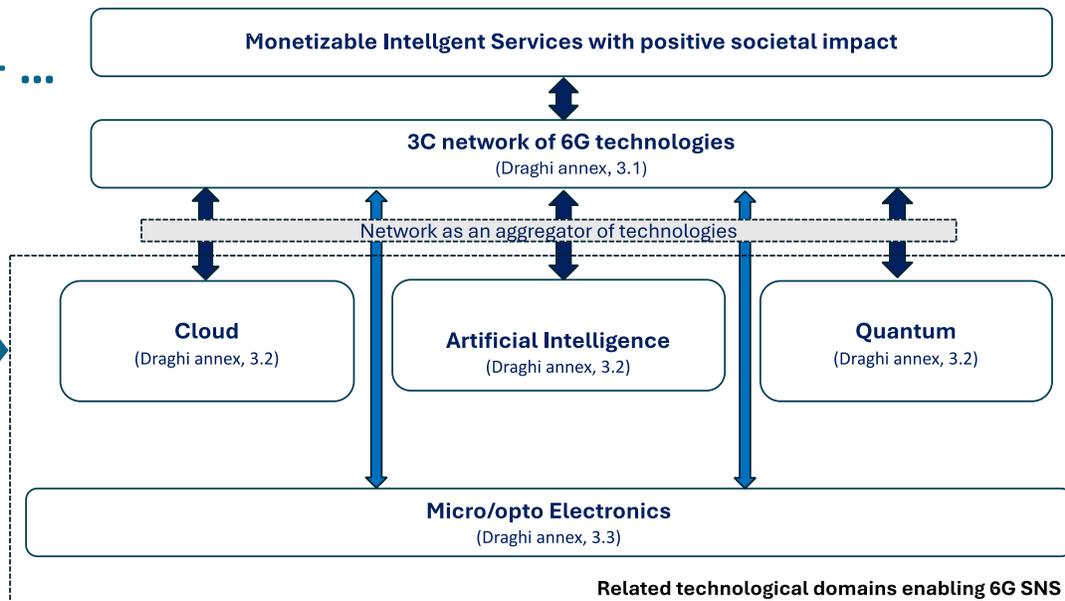
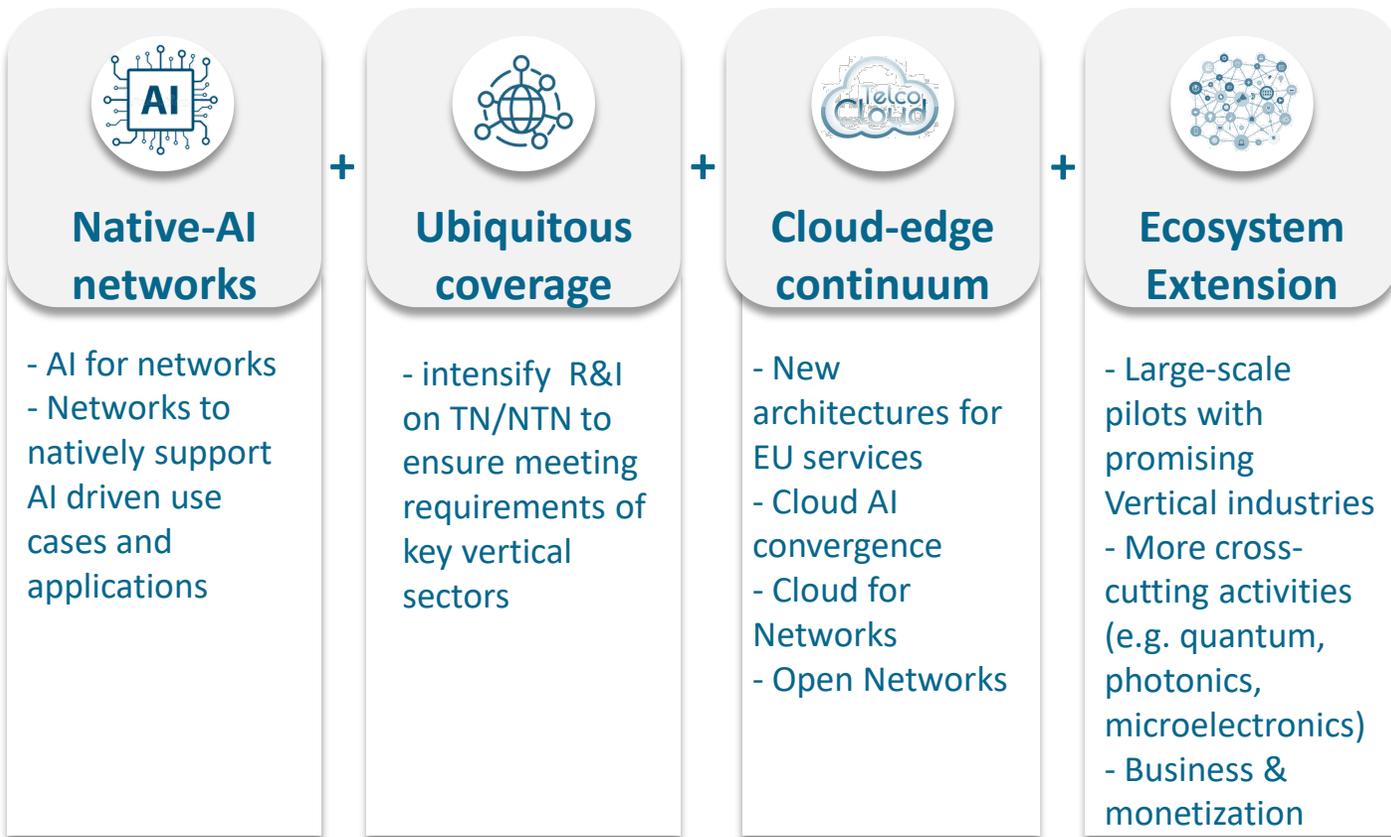
https://x.com/6G_SNS

*Be part of our community
and support Europe's
competitiveness*



6G SNS

* Non-exhaustive ideas



Our challenge: Strengthen synergies between R&D Activities, Experimental infrastructures and pre-deployment activities, driving network monetization and 6G applications uptake

6G SNS

SMART NETWORKS AND SERVICES
JOINT UNDERTAKING

THANK YOU FOR YOUR ATTENTION



in



Contact us: smart-networks.europa.eu

