

# Erzsébet Fitori

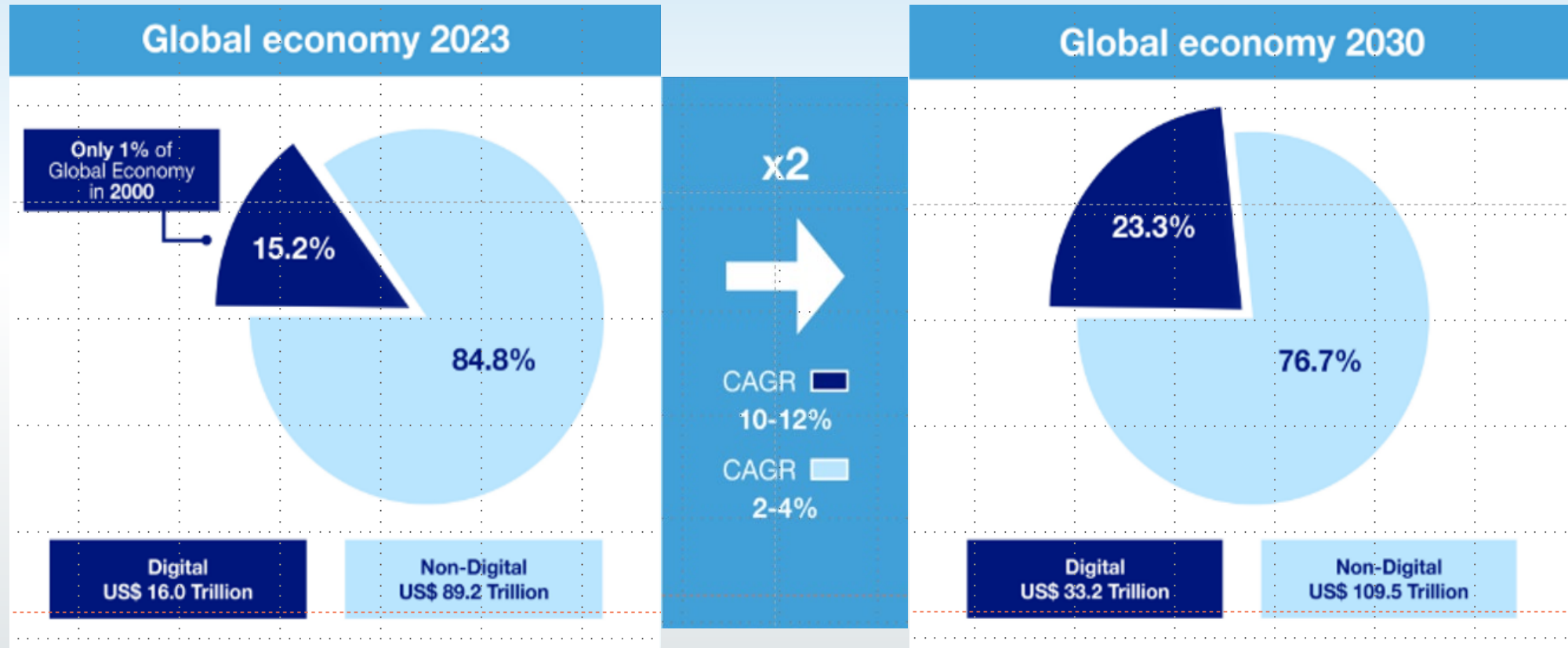
Executive Director,  
SNS JU



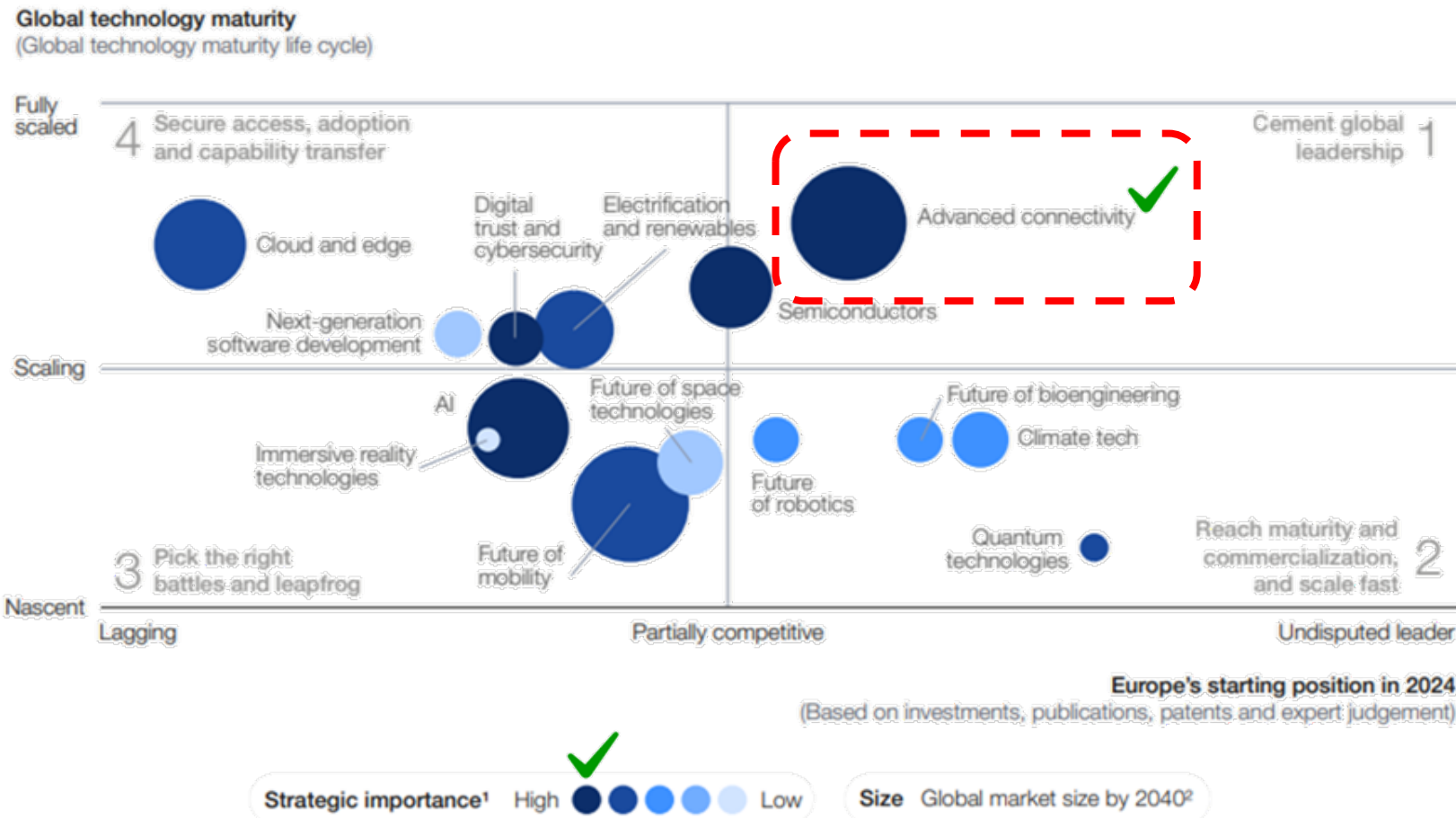


- The **Smart Networks and Services JU (SNS JU)** is a Joint Undertaking (Public-Private Partnership) established by the European Commission and 6G-IA.
- Our **ambition is to lead the global transition to 6G**, with Europe at the forefront, pioneering new capabilities and innovations that will shape 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



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**

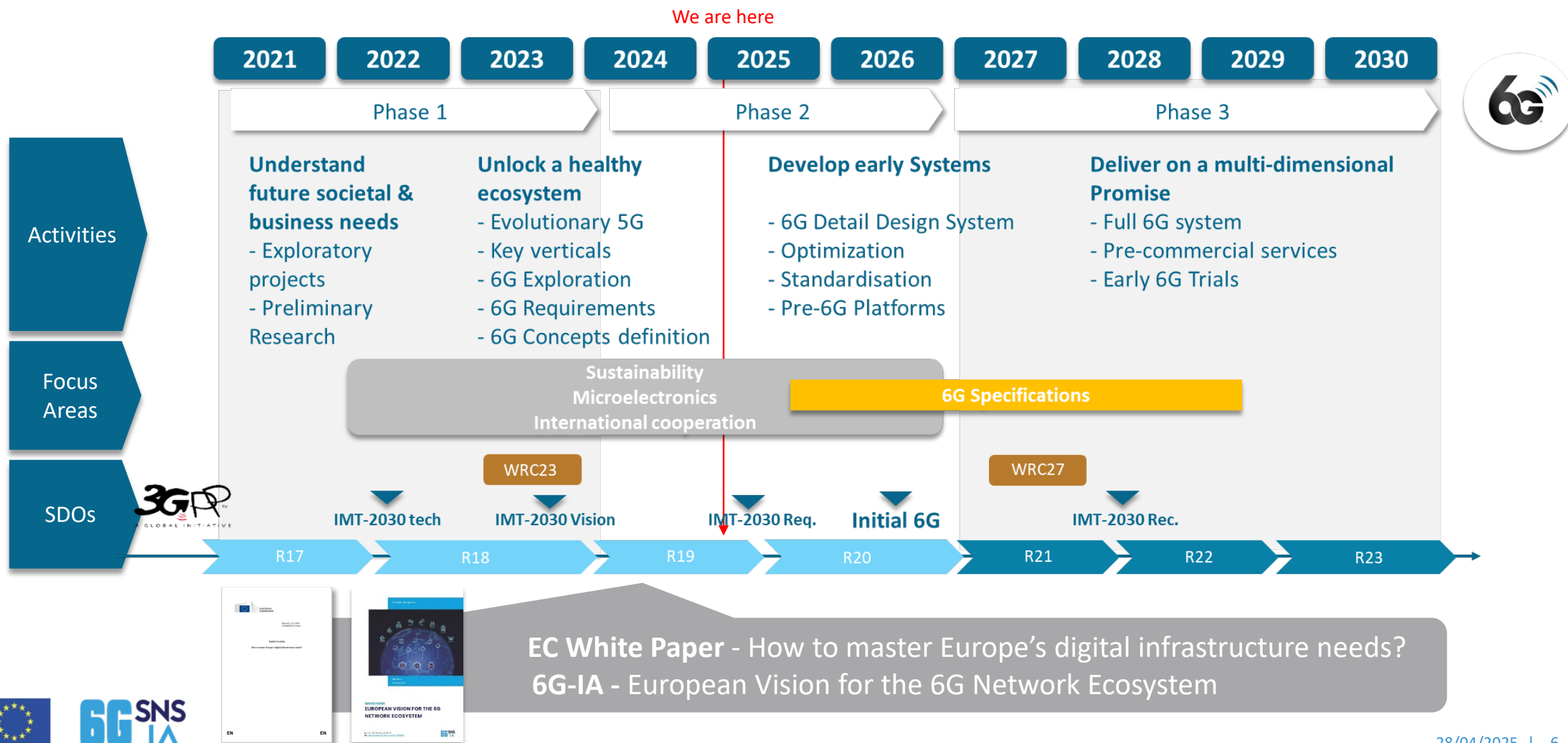
Smart connectivity underpinning key societal issues such as **Safety, Inclusion and Trustworthiness**

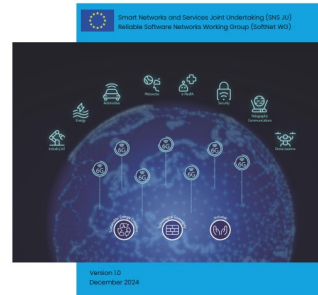
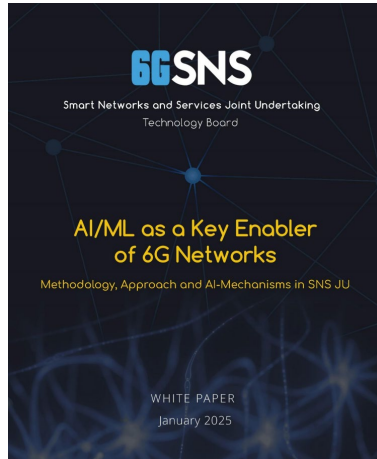


**Technological Sovereignty & Security**

**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**

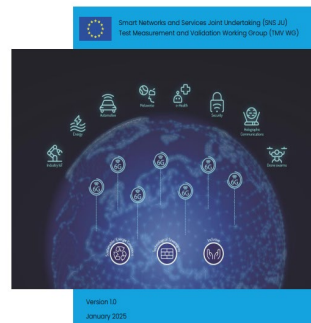




**WHITE PAPER  
NETWORK AND SERVICE  
MANAGEMENT ADVANCEMENTS**  
Key Frameworks and Interfaces towards Open,  
Intelligent and Reliable 6G networks

DOI: 10.5281/zenodo.14234897  
URL: <https://doi.org/10.5281/zenodo.14234897>

**6G SNS**



**WHITE PAPER  
6G KPIS – DEFINITIONS AND  
TARGET VALUES**

DOI: 10.5281/zenodo.162098  
URL: <https://doi.org/10.5281/zenodo.162098>

**6G SNS**

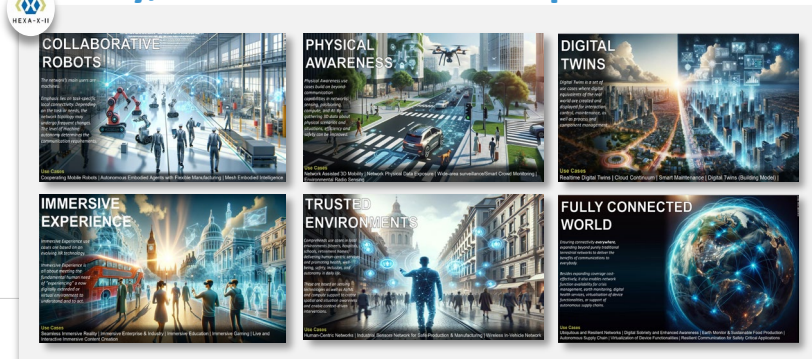


[Project Portfolio - SNS JU](#) & [Interactive map of SNS projects - SNS JU](#)

SNS publications : [SNS Publications - SNS JU](#)

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

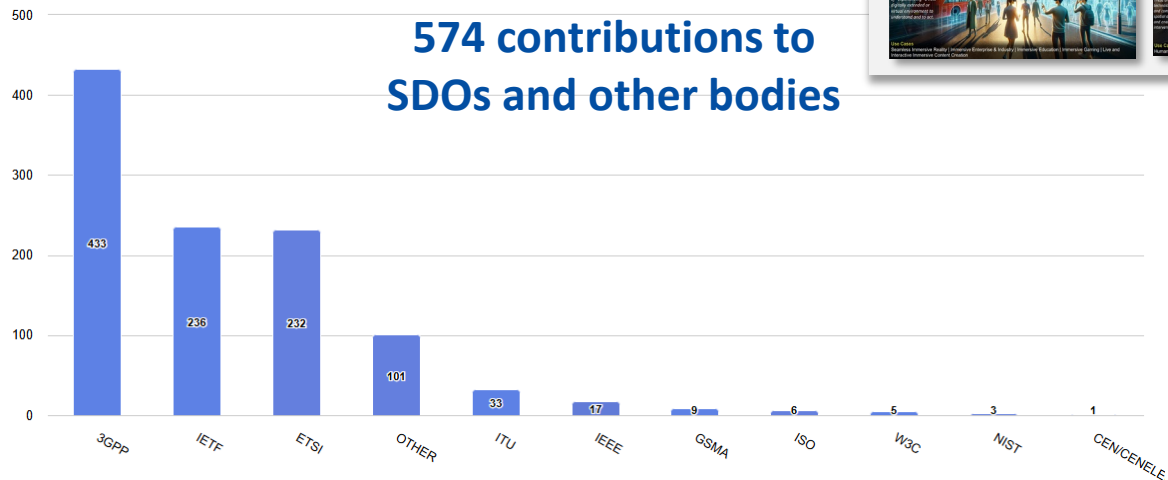
6 families of use cases that will transform society, industries and competitiveness



### Targeted SDOs by SNS JU projects

standard contributions of SNS projects by SDO

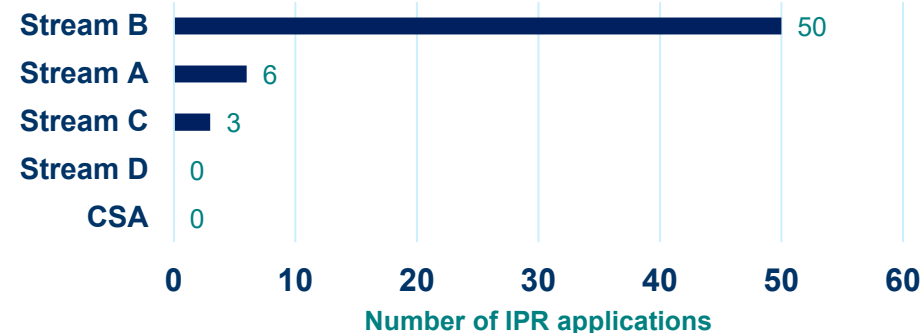
574 contributions to SDOs and other bodies



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

### Vibrant SNS IPR ecosystem

Patent / IPR Applications per Stream



**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



**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

### SNS and National Initiatives



















### Synergies with verticals



**MORONE 2**

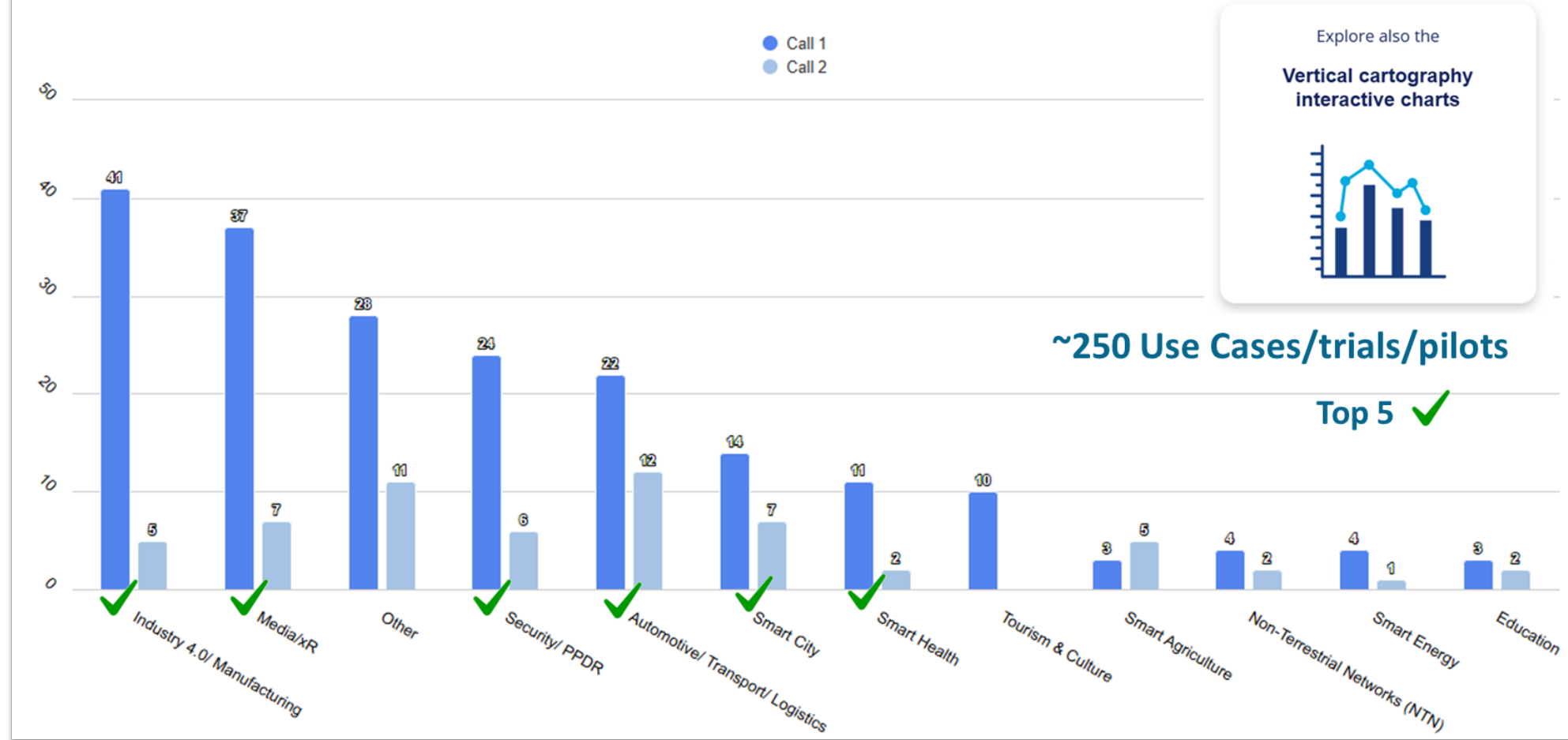
1 million EURO (SNS funding)

FRMS



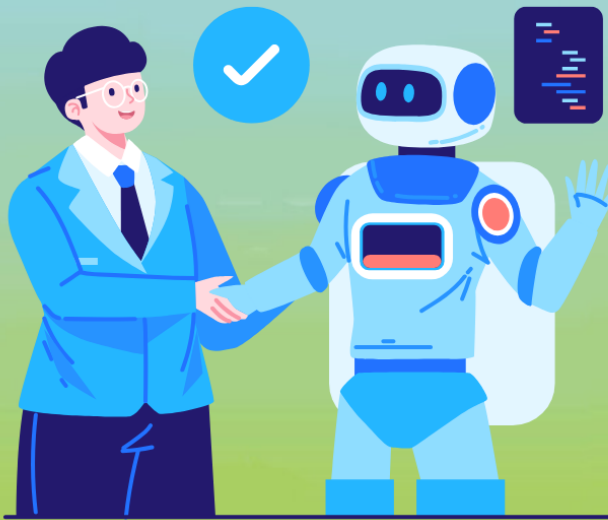
Collaboration and Partnerships is a Strategic priority for the SNS program

### 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://x.com/6G\\_SNS](https://x.com/6G_SNS)

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



6G SNS

\* Non-exhaustive ideas



### Native-AI networks

- AI for networks
- Networks to natively support AI driven use cases and applications



### Ubiquitous coverage

- intensify R&I on TN/NTN to ensure meeting requirements of key vertical sectors



### Cloud-edge continuum

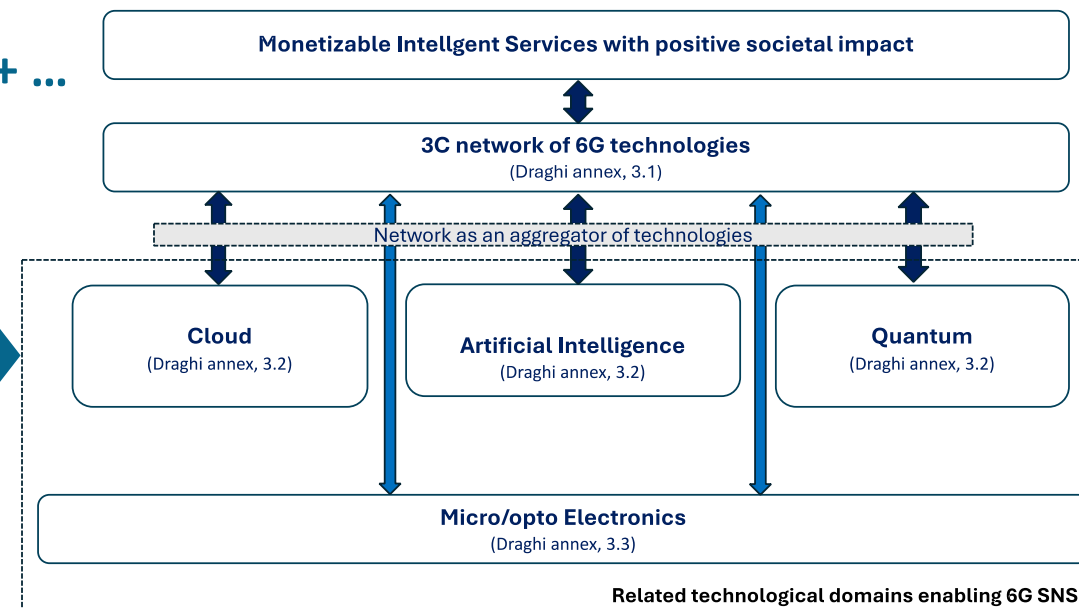
- New architectures for EU services
- Cloud AI convergence
- Cloud for Networks
- Open Networks



### Ecosystem Extension

- Large-scale pilots with promising Vertical industries
- More cross-cutting activities (e.g. quantum, photonics, microelectronics)
- Business & monetization

+ ...



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





SMART NETWORKS AND SERVICES  
JOINT UNDERTAKING

**THANK YOU FOR YOUR ATTENTION**



Contact us: [smart-networks.europa.eu](https://smart-networks.europa.eu)

