



GGSNS

Introduction

Our Vision of "6G Leadership" is linked with vertical sectors



- 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 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.

Real **6G leadership** will require unprecedented levels of **collaboration**, especially with **vertical sectors**





EESNS

Objectives of SNS JU Program

From Inputs to **Outcomes and Impact**



































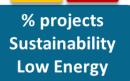










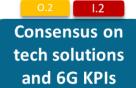






1.1



















EU vision on Future 6G Use Cases

A joint effort from SNS projects and National 6G Initiatives



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













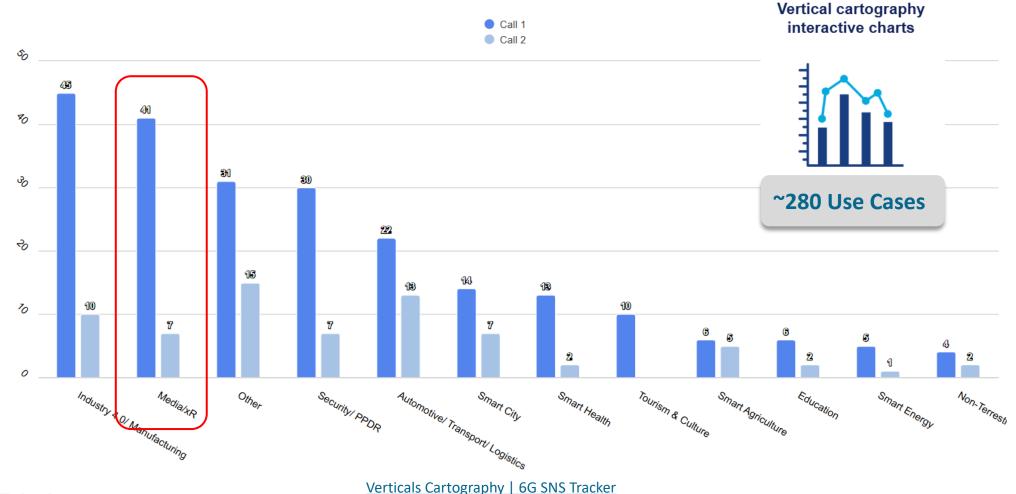






Vertical Engagement Tracker

Call 1 and 2 Vertical sectors







GGSNS

SNS JU programme structure and portfolio

~100 projects by mid 2026

~630 MM € of public funding

investment in SNS JU Calls

Call 1
Started Jan '23

Call 2 Started Jan '24 Call 3 Started Jan '25 2025 Calls
To be Started in 2026



65

Stream A

5G Evolution systems

Stream B

Research for radical

technology advancement

towards

6G definition

Components, systems & networks

7 Complementarity projects validate **complete system** view



Wireless & Signal

Infrastructure & Devices

Security

Microelectronics

Sustainability

International Collab

19 projects research

Novel technologies

expected to be adopted in commercial networks

in a mid /long-term horizon

24 projects working on Innovative solutions towards real life networks over a long-term horizon.

Also targets International
Cooperation



12 projects targeting a higher TRL range, compared to previous calls, aiming to produce more mature

results and impact on standardization . Includes lighthouse project on

Sustainability and targets
International

Cooperation



16 projects on **Forward looking topics** (advance architectures and IoT),

Wireless tech (MIMO, AI/ML, Spectrum sharing, Open RAN), NTN-TN

unification/integration, Optical networks and **Photonics**,

Security and Resilience, and Microelectronics.



Stream C

Experimental Infras/Platforms

Platforms

Enablers/ Proof Concept

3 projects validate

6G technical enablers

1 Europe-wide experimental infrastructure(s) to support SNS program

1 project on integration of microelectronics components

1 project on **Telco cloud** and service provision enablers



Stream D

Large Scale Trials
With Verticals

Applications & services

Business ecosystems

4 projects on specific verticals with high economic and societal importance

2 projects focusing on i)

Automotive ii) Health, Smart Cities, Farming and Education 2 projects on advanced 5G/6G technologies in/for verticals, with special focus on sustainability

4 projects on (1) Industry/Manufacturing, (2)Media (3)Transportation/Logistics, (4) Emergency Services and (5) Health

Call 1 240 MM €

Call 2 132 MM €

Call 3 129 MM €

Call 4 128 MM €







SMART NETWORKS AND SERVICES
JOINT UNDERTAKING

THANK YOU FOR YOUR ATTENTION



Contact us: smart-networks.europa.eu



