Digital Decade Communication
2030 Vision & Targets

**Skills**
ICT Specialists: 20 million + Gender convergence
Basic Digital Skills: min 80% of population

**Infrastructures**
Connectivity: Gigabit for everyone, 5G in all populated areas
Cutting edge Semiconductors: double EU share in global production
Data – Edge & Cloud: 10,000 climate neutral highly secure edge nodes
Computing: first computer with quantum acceleration

**Government**
Key Public Services: 100% online
e-Health: 100% availability medical records
Digital Identity: 80% citizens using digital ID

**Business**
Tech up-take: 75% of EU companies using Cloud/AI/Big Data
Innovators: grow scale ups & finance to double EU Unicorns
Late adopters: more than 90% of European SMEs reach at least a basic level of digital intensity

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A Joint Undertaking for 6G Smart Networks and Services

To facilitate and develop industrial leadership in Europe for 5G and 6G networks and services by 2030
SNS JU – Towards 6G in Europe

The Hexa-X flagship + 6G exploratory projects

Accelerating 5G Deployment Connecting Europe Facility (CEF2)

6G Vision and R&I (Horizon) across the broader supply chain

• Tasks set by Council Regulation (2021/2085)
• EU upfront commitment of EUR 900M between 2021-2027 (to be at least matched by industry)
• Close involvement of Member States for strategic guidance
• Dedicated Programme Office
• CEF 2: Road and Rail Strategic Deployment Agendas
The Smart Networks and Services Partnership

- 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 is a Strategic priority for the SNS program
SNS JU Roadmap

Understand future societal and business needs
- Exploratory projects
- Preliminary Research

Unlock a healthy ecosystem
- Evolutionary 5G
- Key verticals
- 6G Exploration
- 6G Requirements
- 6G Concepts definition

Develop early Systems
- 6G Detail Design System
- Optimization
- Standardisation
- Pre-6G Platforms

Deliver on a multi-dimensional Promise
- Full 6G system
- Pre-commercial services
- Early 6G Trials

Place Europe as the centre of gravity for International Collaboration
**5G Corridors: Driving the EU Green and Digital Transition**

- Multi-country project (MCP) Vision: Pan-EU 5G corridors for Connected and Automated Mobility
- Private investment with public funding of cross-border and "challenge" areas
- CEF Digital
  - Objective: 26,000km transport paths along TENT
  - 49 intra-EU borders: Investment required: ~EUR 5.4 bn
  - Planned EC funding ~€800M for 5G Corridors
- Call-1: projects launched in 2023
- Call-2: closed, evaluation results in Q4 2023
- Call-3: 17 October 2023 - 20 February 2024
- Blending or coordination with RRF, InvestEU and national programmes
- Smart Networks and Services Joint Undertaking formally tasked to coordinate Strategic Deployment Agendas (Road & Rail)
Thank you