



6G and standardisation

3GPP – SNS JU Webinar – 27 March 2025

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CNECT E1 – Future Connectivity Systems
European Commission

6G R&I in Europe

6GSNS

5G PPP bridging phase

5G PPP

- The Hexa-X flagship + 9 6G exploratory projects = 65 M€



**Accelerating 5G Deployment
Connecting Europe Facility (CEF2)**

6GSNS

**6G Vision and R&I across the
broader supply chain**

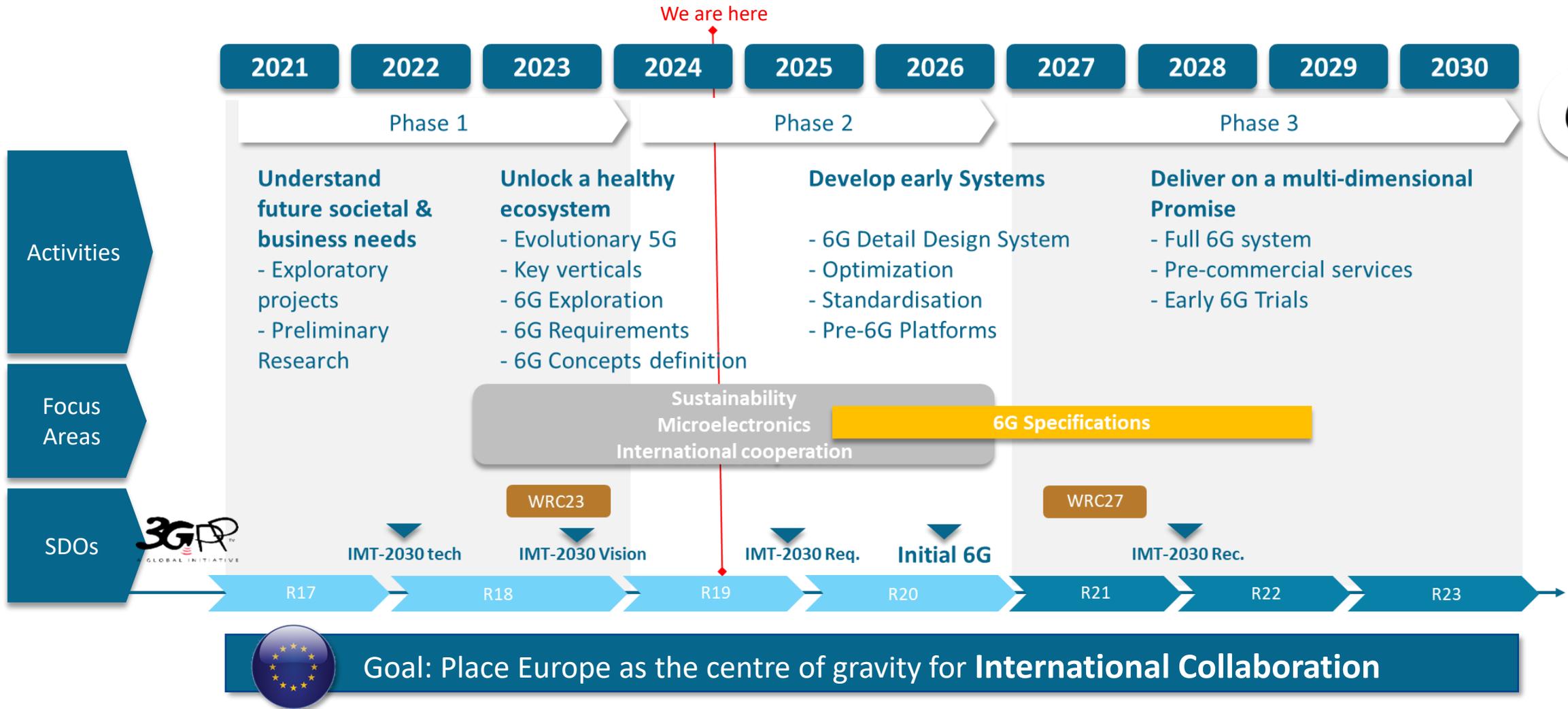
- Established as EU legal entity: Council Regulation (2021/2085)
- EU upfront commitment of **€900M** between 2021-2027 (to be at least matched by industry)
- Close involvement of Member States for strategic guidance / National Programmes liaison
- **→ SNS as vehicle for European and International cooperation**

SNS JU is a Joint Undertaking established in **November 2021** by the EU Council Regulation No 2021/2085.

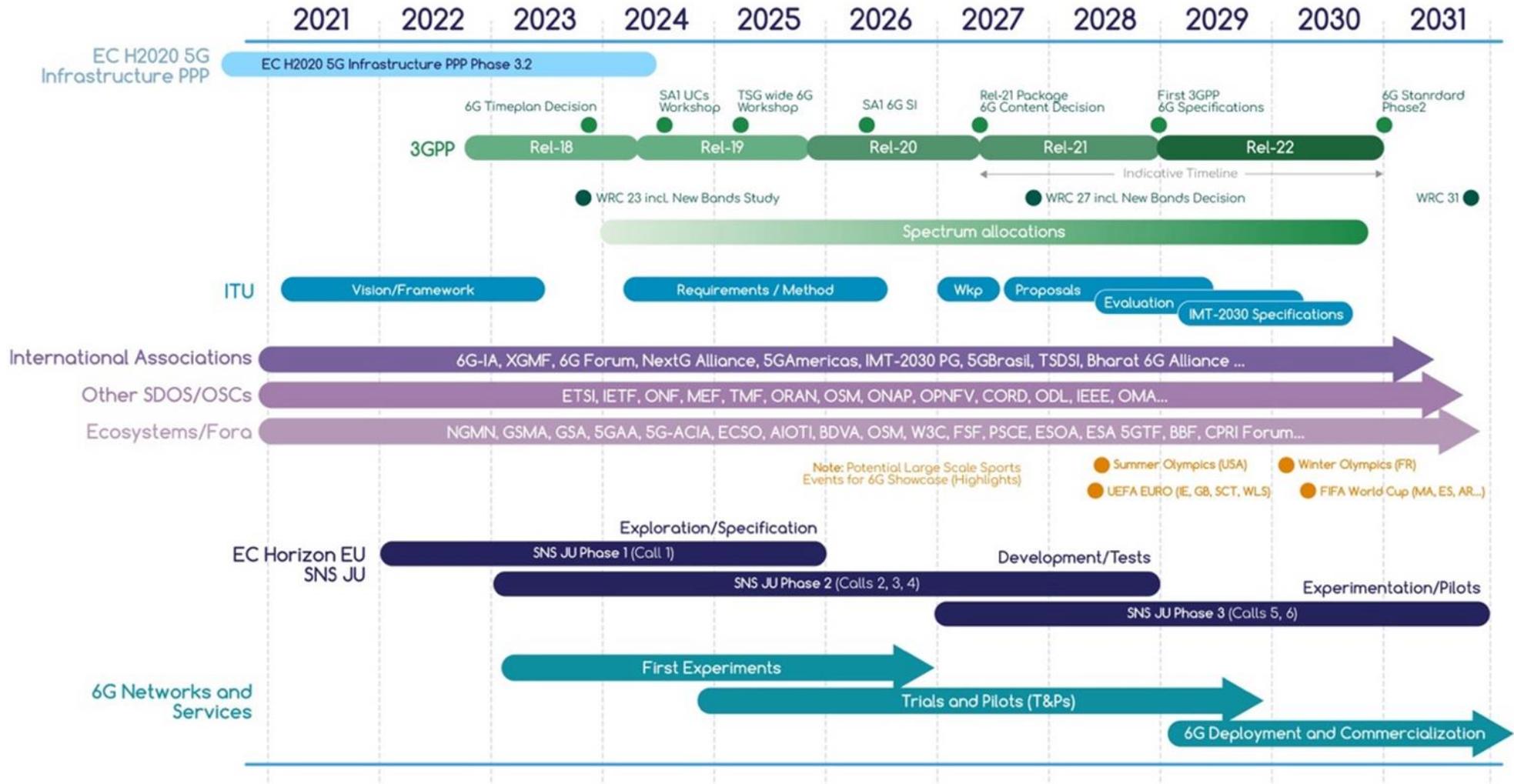
Total Funding
1.8 Billion €
2022-27

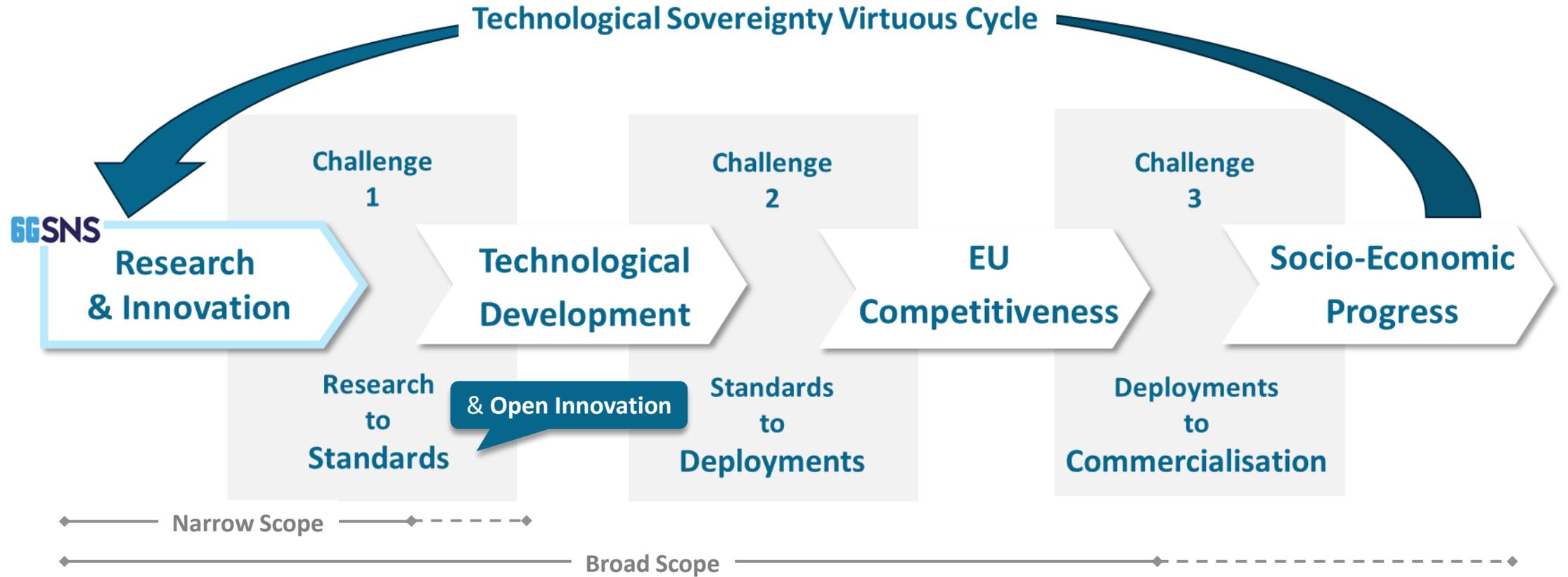
Governance Structure



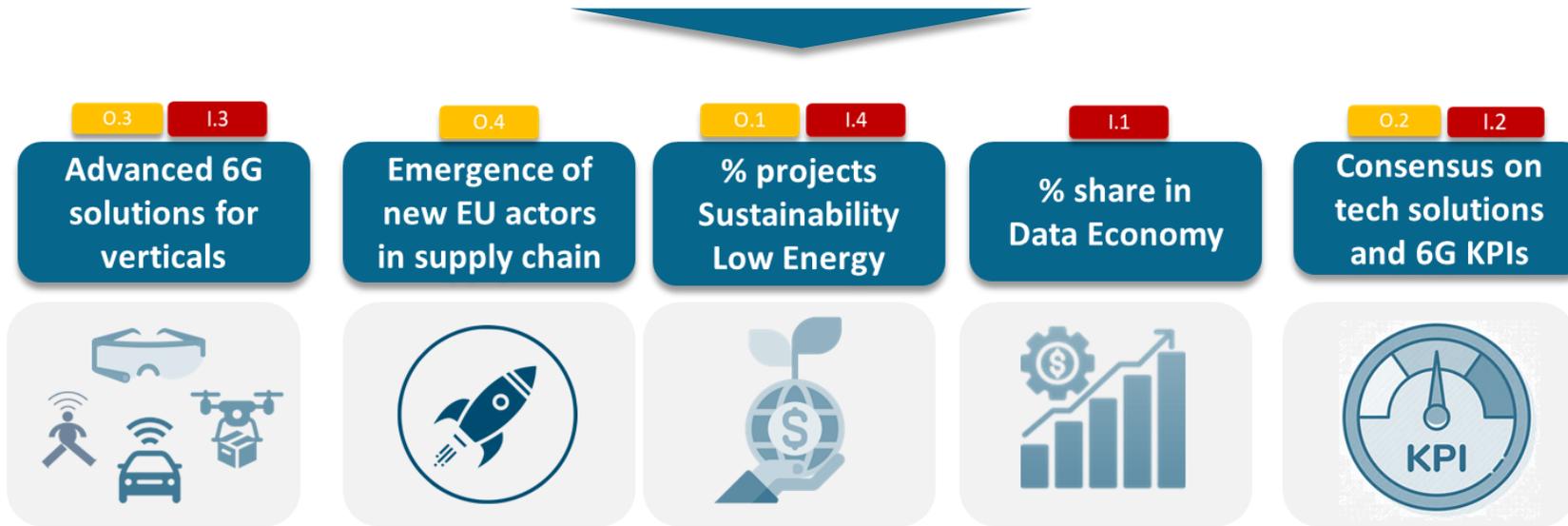
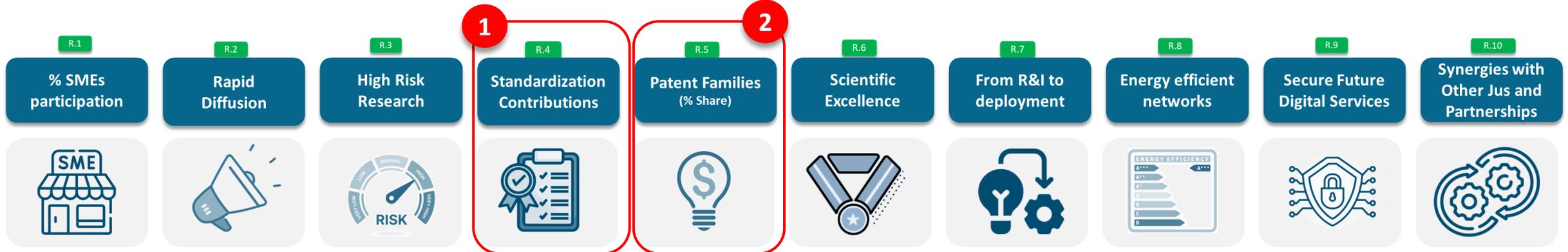


More than 1000 SNS JU contributions In 2023-24!





Technological Sovereignty : the ability for Europe to develop, provide, protect, and retain critical technologies (either developing in-house solutions or establishing strong links with like-minded countries in areas where currently Europe is not that competitive)



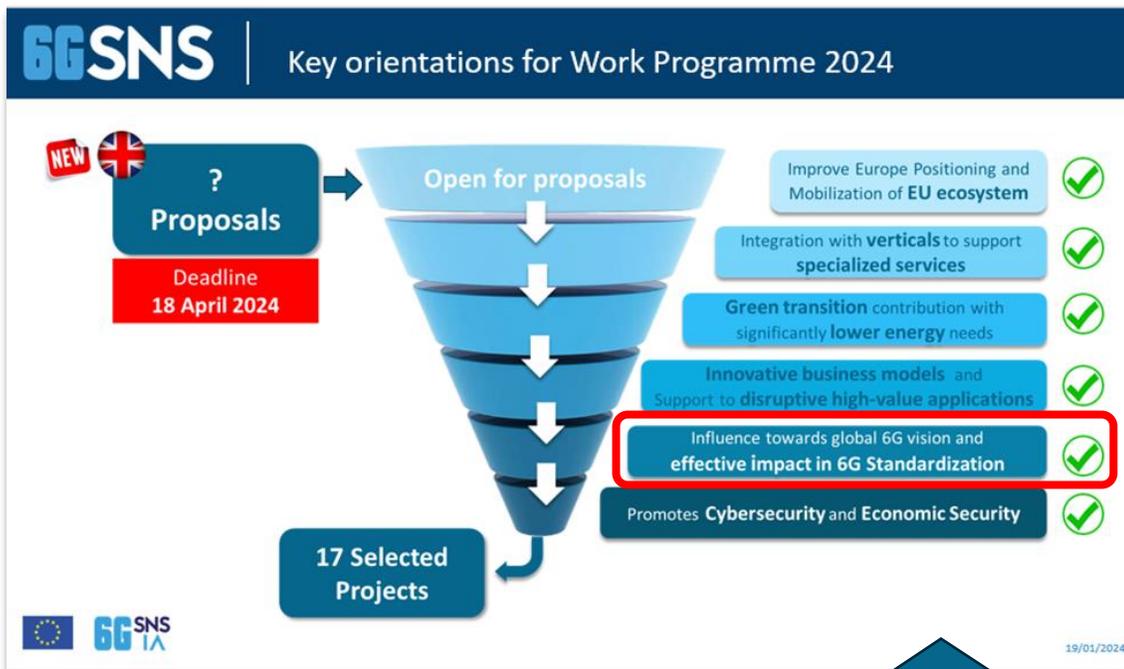
1 308 contributions in 2023

2 32 patents submitted in 2023

Inputs Outcomes Impact

First 3GPP SA1 6G use-cases workshop organized in May 2024

Key criteria for our Work Programme



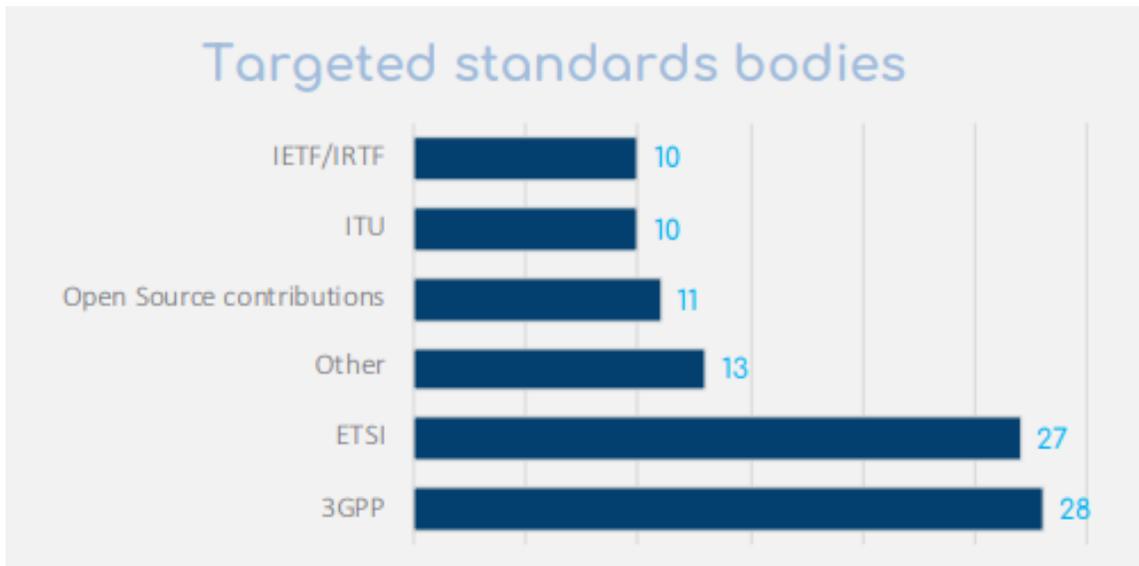
Priorities on Standardization

Areas of expected impact

- The **validation of KPIs** and their technical low-cost implementation, considering the ITU KPIs detailed definition expected in 2026.
- The **progress on KVIs** qualification/quantification.
- The implementation of the **Work Items following the Study Items**, as these should be developed in 2027, can also be considered
- The **preparation of longer-term phases of 6G**, for those network characteristics that will not be retained as priority Work items by 3GPP in the beginning (first release).

SNS JU Program target:
1000 Contributions to Standards by 2027

Targeted SDOs by our 35 Call 1 projects in 2023



SNS Policy WG on standardisation

1. Discuss standardisation, in particular, how to further streamline the priorities so that we maximize support in standardization for topics related to future connectivity and service provision, including policy issues such as security, sustainability, EU strategic autonomy, and other related topics.
2. Possible future topics for discussion could be the current and emerging trends in the telecom industry, including their implications on the SNS JU activities

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

Thank you



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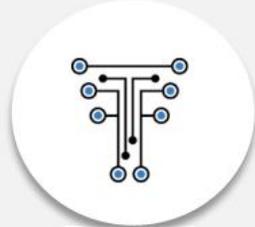
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6G network softwarisation is about convergence of open-source software, standardization, and cutting-edge research



Open Source
MANO



TeraFlow
SDN



OpenCAPIF



OpenSlice

