





Introducing the 2025 SNS JU Call(s) for Proposals

Coordinated Calls, One Deadline: 18 September









Co-Designing the **2025 Annual Work Program**

Informed by latest developments, Aligned with EU Priorities



Non -exhaustive



Horizon Europe Strategic Plan 2025-27



White Paper How to master Europe's digital infrastructure needs?



3GPP Standardisation SA1 Workshop **6** Use Case Families



SNS JU Annual Work Programme 2025

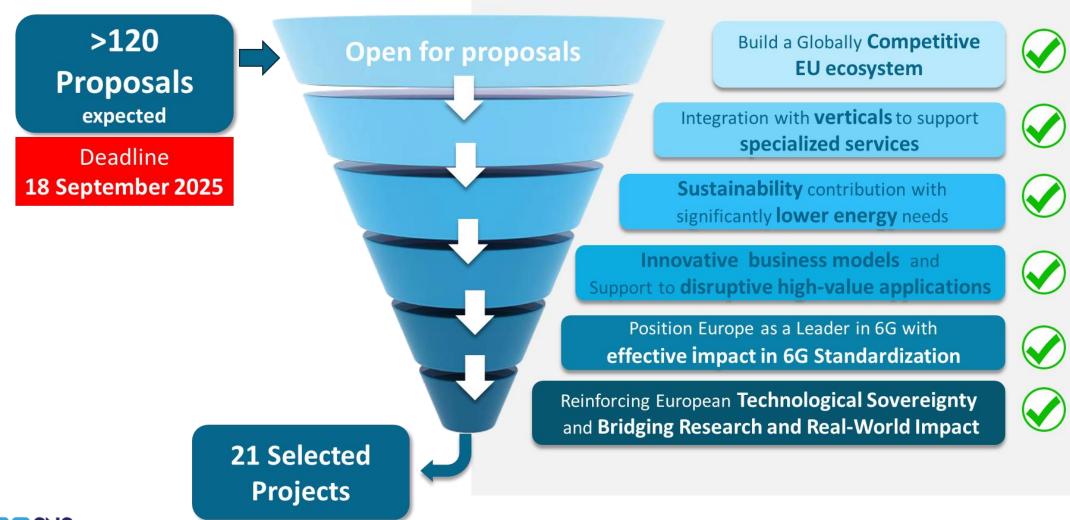






Strategic Objectives Behind the Programme

Driving Sovereignty, Sustainability and Competitiveness



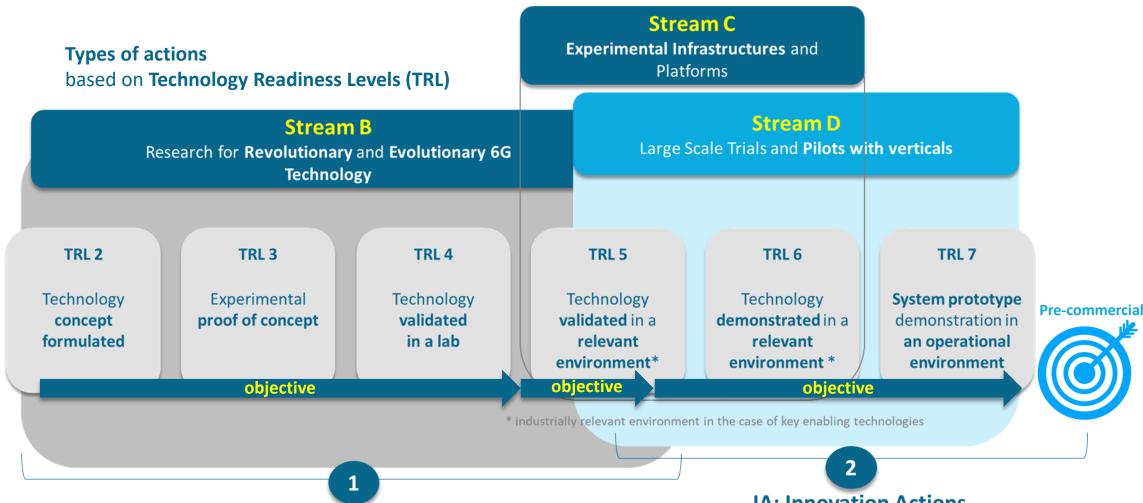




EESNS

A **layered structure** to build impact

Horizon Europe: from Blue Sky Research to Real-World Deployments





RIA: Research & Innovation Actions Development and Validation

IA: Innovation Actions Demonstration and Scale-up



Overview of our 2025 Annual Work Program

Politically and strategically significant roadmap to position Europe at the forefront of 6G R&I







EGSNS

21 new projects to shape the future Aligned Topics for a Cohesive R&I Agenda



Stream B

Research for radical technology advancement towards

6G definition

B1. 6G Disruptive Tech

1. Advanced Tech./Archit.

2. Advanced IoT/Devices

B2. Wireless & Signal

B3. Infrastructure & Devices

1. NTN

2. Photonics

B4. Reliability/Smart Security

1. Security

2. Reliability

B5. Microelectronics

5 projects: Forward looking topics on advance architectures (low TRL)

3 projects: Advanced IoT topics (low TRL)

3 projects: MIMO, AI/ML, Spectrum sharing, Open RAN

1 project: NTN- TN unification/integration

1 project: Optical networks and Photonics (synergy with Photonics PPP)

1 project: Smart security/security services

1 project: Reliable services operations

1 project: Microelectronics-Front End Module (identified synergies with Chips JU)



Stream C

Experimental Infras/Platforms

C. Telco cloud and services

1 project: Telco cloud and service provision enablers



Stream D

Large Scale Trials
With Verticals

D. Trials and Pilots with verticals

4 projects: focus on key verticals such as - (1) Industry/Manufacturing (including robotics), (2) Media (including gaming, broadcasting...), (3) Transportation/Logistics, (4) Emergency and Safety Services and/or (5) Health)







Writing Winning Proposals

Aligning Vision with Excellence and Impact

Evaluation Criteria Max: 70 pages



- Demonstrate clear advancement beyond the current state-of-the-art.
- Integrate novel enablers: Al-native, Joint communication-computation-control architectures, Photonic or microelectronic components critical to 6G, Non-terrestrial networks,...
- Emphasize openness, modularity, and standard compatibility
- Highlight project contribution to EU policy goals and potential synergies
- Provide measurable KPIs to evaluate and maximise impact (scale and significance)
- Include Key Value Indicators (KVIs) such as energy consumption or spectrum efficiency
- Build **strong consortia** that bridge Industry (including SMEs), academia, and **Vertical sectors** (e.g., health, manufacturing, mobility, emergency response).
- Consider capacity of each individual participants & consortium as a whole
- Where appropriate, foster international collaboration (e.g., EU-US under TTC framework)
- Present a robust, risk-mitigated implementation plan with clear work packages, milestones, and resource allocation
- Set **realistic timelines** and scalability strategies
- Address potential bottlenecks (e.g., standardization, deployment constraints, regulatory challenges).
- Articulate a **clear exploitation path from Day** 1: include IP, Industrial take-up and commercialization roadmaps. Clarify ownership of results (IP) early.
- Plan your contributions to open-source initiatives and standardization bodies
- Include dissemination strategies targeting: Policy makers, SDOs and end-users (demand)



- Non-reimbursed portion of eligible (In-Kind activities) costs contributed by 6G-IA members
- The level of IKOP contribution is considered during proposal evaluation, especially in cases where proposals have equal scores

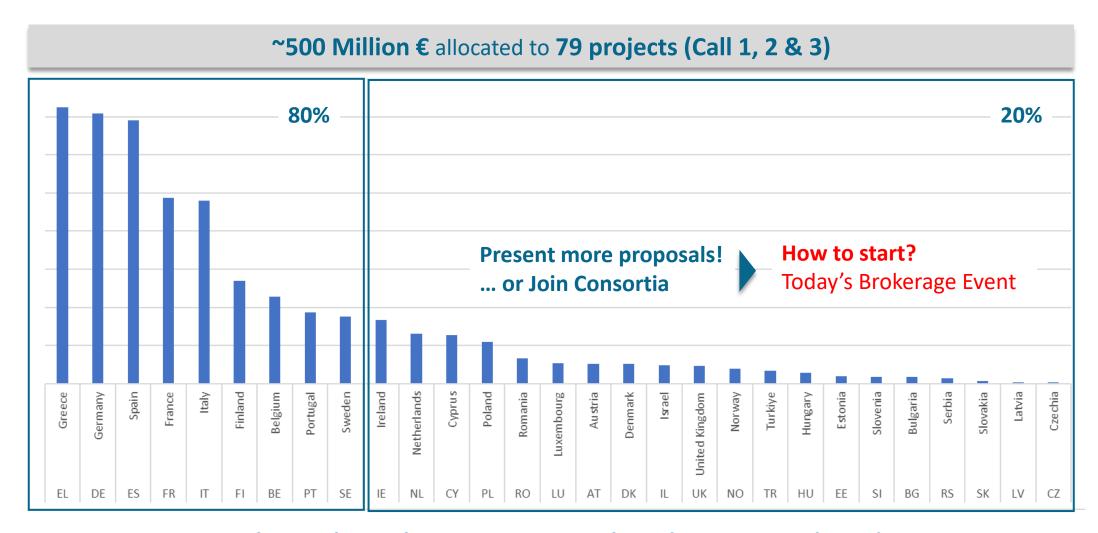






Building High-Impact Consortia

Diversity, Expertise, and Strategic Balance Matter

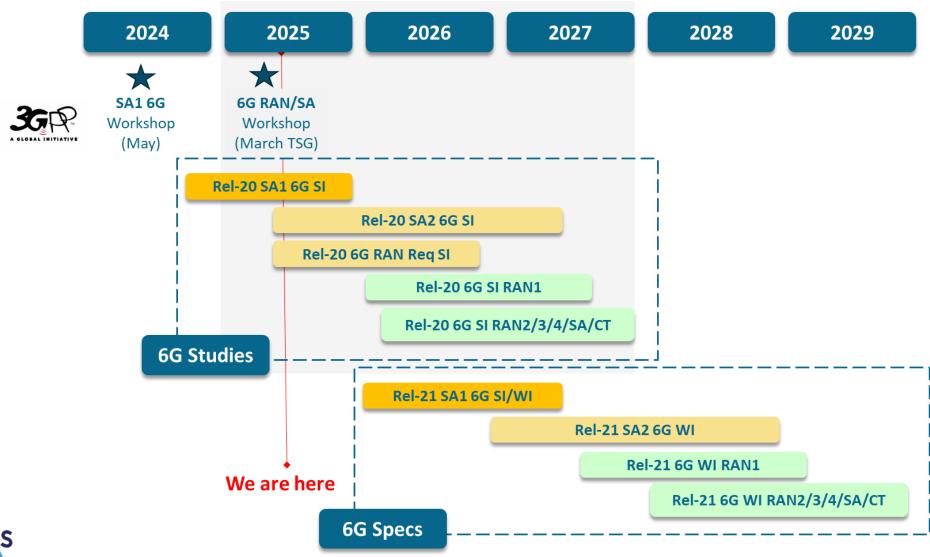




High correlation between #proposals and #projects selected



6G Standardisation is underway







FESNS

Europe is already shaping 6G

Global and cross-sector participation reaches new heights with most diverse contributor base



219 **Cross-sectoral** contributions

Traditional Contributors

56 & CC

New **Contributors**



Source: APEX Standards. 6G Standardization and Research: Key Insights from 3GPP's Inaugural Workshop

First 3GPP TSG-wide 6G Workshop. 10-11 March 2025, Incheon, South Korea 1676 registrations and 748 in-person attendees







37 Contributors 3.6x

84 Contributors 1.8x





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What Success Should Look Like

Turning Research into Sovereignty and Competitiveness



Technological Leadership

EU-developed 6G components integrated into global standards and pilot deployments.



Sovereignty & Resilience

European vendors and cloud platforms scaled up, reducing dependencies on third countries.



Innovation & Industrial Uptake

- Strong participation of SMEs/startups in projects
- Deployment of 6G use cases across verticals.



Sustainability

- Demonstrated energy savings in 6G pilots
- Green-by-design network architectures.



Global Influence

Increased EU leadership in international 6G fora (e.g. 3GPP, ITU)



Societal Value

Use cases that support European values (e.g. emergency services, health, sustainability).

Your projects should improve Europe's capacity to transform R&D into industrial strength, global impact, and digital leadership.



Best of luck with your proposals!



SMART NETWORKS AND SERVICES
JOINT UNDERTAKING

THANK YOU FOR YOUR ATTENTION



Contact us: smart-networks.europa.eu



