

The logo for 6G SNS, with '6G' in a light blue font and 'SNS' in a dark blue font.

SNS Call 2 Webinar

Communication Infrastructure Technologies and Devices
Reliable Services and Smart Security

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Scope & Orientations:

Design of new systems and components for 6G networks

- Tropospheric Networking
- Integration of Optical and Wireless Technologies
- Nano-Things Networking
- Development of low-energy communication solutions
- Packet optical technologies for 6G radio networks

Expected outcome:

- Expand reach of 6G with new access networks, 2D -> 3D coverage
- Advances in long distance communications - high mobility and large area scenarios
- “Network of network” enablement, ultra-short distance connectivity support
- Ultra-low energy solutions for devices
- Ultra-low energy and ultra-high capacity solutions for access or end-to-end connectivity

Project Number	Project Acronym	Project Duration (M)	Project Total Costs (€)	Project Requested EU Contribution (€)
101139182	6G-EWOC	36	4,221,303.00	3,999,338.84
101139133	ECO-eNET	36	3,769,981.00	3,592,544.78
101139292	Opti-6G	36	2,238,125.00	2,062,937.50
101139134	PROTEUS-6G	36	4,182,601.25	3,967,251.25
Total			14,412,010.25	13,622,072.37

Expected TRL: 2-4

Scope & Orientations:

- Service deployment for complex services
- Cooperative holistic E2E security for 6G architectures
- Zero-touch integrated security deployment
- Exploitation of AI/ML for 6G infrastructures
- Developments on service technologies for secure time-sensitive and computation intensive applications
- Physical layer security
- Human Centric methods

Expected outcome:

- Increased levels of trustworthiness, resilience, openness, and dependability
- Secure, privacy preserving and trustworthy services
- Secure, host-neutral infrastructure
- Life cycle of smart services security and trust requirements
- Application of AI technology to security and service deployment
- Operational security
- New services and security technologies

Project Number	Project Acronym	Project Duration (M)	Project Total Costs (€)	Project Requested EU Contribution (€)
101139198	iTrust6G	30	4,516,787.50	4,236,558.75
101139067	ELASTIC	36	4,266,768.75	3,999,990.51
101139285	NATWORK	36	3,828,075.00	3,628,007.50
101139068	ROBUST-6G	30	4,201,741.16	3,999,956.50
101139031	SAFE-6G	36	4,325,270.00	3,998,540.50
Total			21,138,642.41	19,863,053.76

Expected TRL: 2-4