



6G SNS

SNS Call 2 Webinar – System Architecture

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7 March 2024



6G SNS
IA

Scope & Orientations:

Unified and open communication and computing architecture beyond the current 5G SBA capabilities.

- AI powered edge cloud continuum.
- Efficient Network and Service Resource Management in dynamic multi-tenant environments.
- Energy efficiency enablers.
- Pervasive Resilient Autonomic Resource Control in Virtualised Systems.
- Integrated and dependable sensing & actuation networks
- Digital network twinning applied in 6G.
- New Communication Paradigms with enhanced intelligence.

Expected outcome:

- Support extreme 6G use cases (e.g., using native AI)
- Higher flexibility and lower energy consumption
- Inter-computing and inter-networking solutions with different policies (security, routing,...), across various domains including 3D networks.
- Supporting multiple and sometimes conflicting application requirements
- Programmable connectivity spanning all resources a tenant is authorized to control
- Further optimizations for cellular, optical, and NTN communications as well as computing environments
- Architectures able to support new business models
- Impact to early architectural standardization work, for example under 3GPP SA TSG

Project Number	Project Acronym	Project Duration	Project Total Costs	Project Requested EU Contribution
101136314	6G-TWIN	36	4.190.678,75	3.999.647,50
101139073	6G-CLOUD	30	4.261.968,75	3.999.938,38
101139120	EXIGENCE	30	4.232.242,50	3.984.130,75
101139266	6G-INTENSE	36	4.248.308,75	3.999.819,75
101139270	ORIGAMI	36	3.947.458,00	3.686.979,25
Total			20.880.656,75	19.670.515,63

Expected TRL: 2-4