SNS Call 3 Webinar – System Architecture

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Scope & Orientations:

- New design approaches for 6G system architecture systems
- Native and trustworthy integration of AI for telecommunications
- Network exposure to vertical application developers
- New Data Transfer Paradigms
- Digital network twinning for 6G

Starting TRL: TRL 2-3
Target TRL: TRL 4, and if/where relevant TRL 5 (mature 6G technologies and solutions for verticals).

Expected outcomes:

- Architectures enabling the seamless integration of multiple system segments.
- Solutions for native and trustworthy AI for telecommunication.
- Mechanisms (e.g., Digital twinning frameworks) for management and operation of 6G networks.
- Mechanisms and methods for optimized communications (e.g. shared situational awareness and dynamic capabilities).
- Enhanced data plane frameworks with cross-flow resource management capabilities.
- Algorithms, software and hardware implementations as PoC and for later trials systems.
- Dissemination of solutions for international consensus building.
- Contributions to international standardisation, considering backward compatibility and further evolution of the 6G architecture.

“System Architecture” Call 3 Project Portfolio

Project Number	Project Acronym	Project Duration	Project Total Costs	Project Requested EU Contribution
101192462	FLECON-6G	36	€ 8.633.860,00	€ 7.971.093,75
101192650	UNITY-6G	36	€ 8.544.605,00	€ 7.987.392,01
Total			**€ 17.178.465,00**	**€ 15.958.485,76**