



The Standards People

ETSI Research Conference 2023

Maximizing the Impact of European 6G
Research through Standardization

Project Presentation: NANCY

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6G SNS

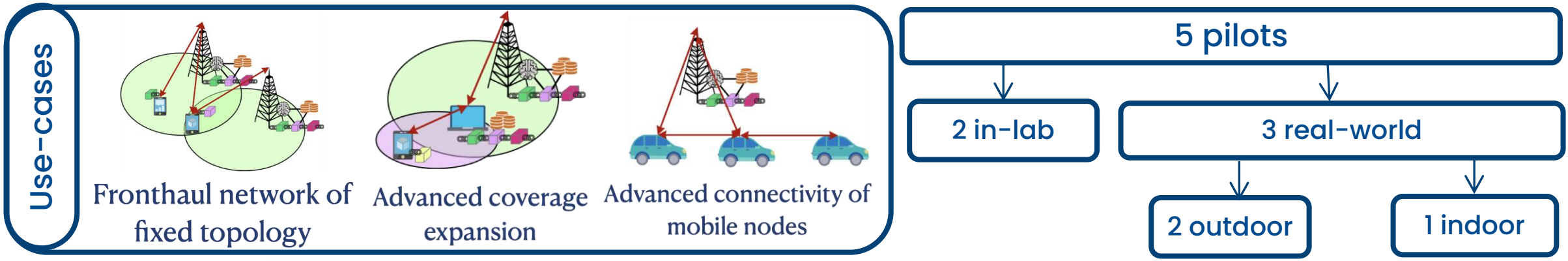
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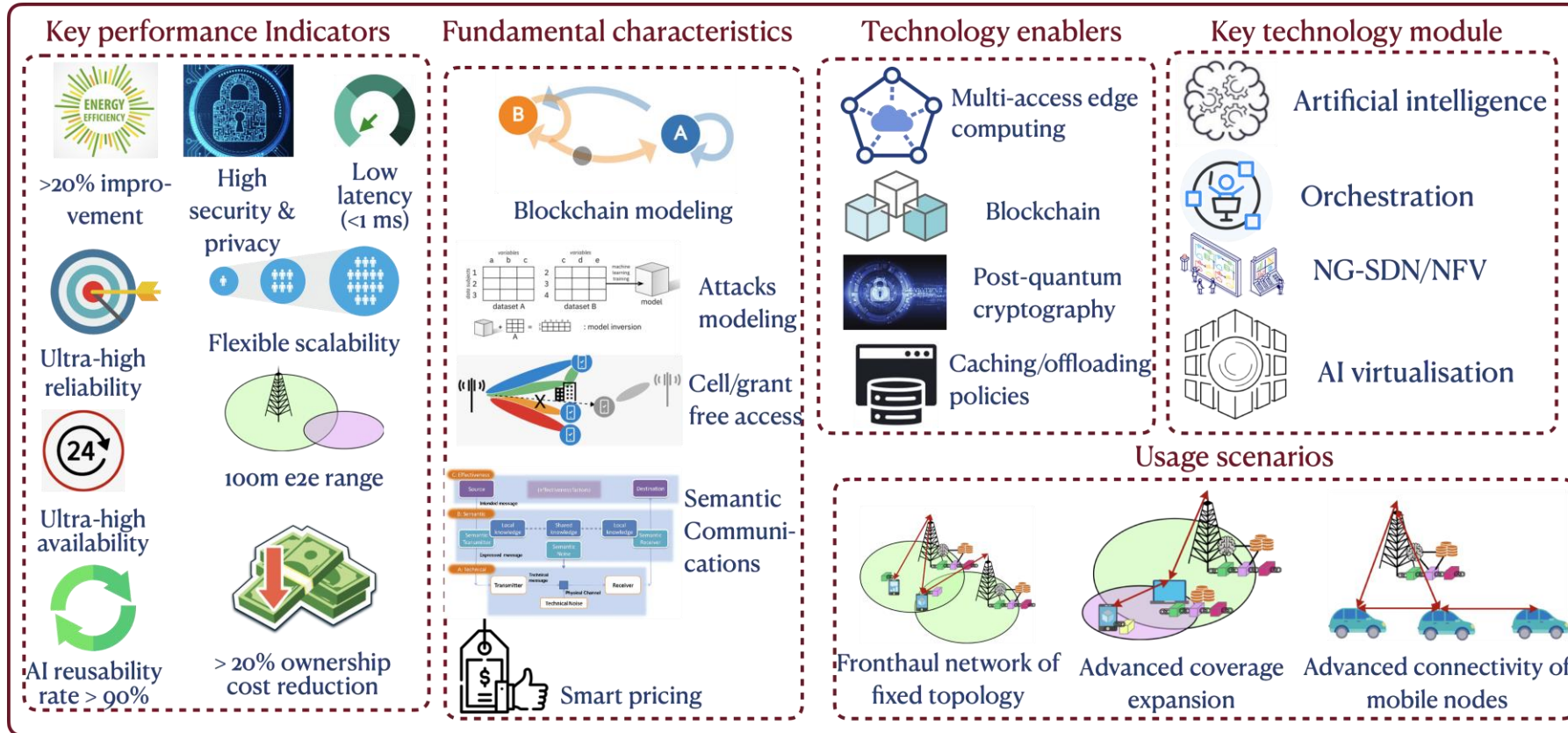
1. Project Overview

- **Project Name:** NANCY: An Artificial Inelligent Aided Unified Network for Secure Beyond 5G Long Term Evolution
- **Stream:** STREAM-A-01-06: Trustworthy and Reliable End-to-end connectivity Software platforms

Members



2. Technical Information



Support dynamic scalability, high-security & privacy

Transform 5G network to an intelligent platform with ultra-reliable connectivity & high-energy efficiency capabilities

To provide "almost-zero latency" & high-computational capabilities at the edge

3. Planned Standardization Activities

- **Standardization plans / objectives:** NANCY will:
 - identify the related standardization bodies, fora and clusters;
 - closely monitor their activities and reports with relation to the GA;
 - transfer the gained knowledge and experience to said bodies; and
 - foster the adoption of open-source licenses for the developed software.
- **Project activities / technologies that may lead to standardization:**

B-RAN architecture	Self-evolving AI Model Repository Functionalities
AI-based B-RAN orchestration functionalities	Computational offloading and user-centric caching
Security and privacy blockchain-based mechanisms	Resource elasticity enabling techniques
Experimental-driven B-RAN and attacks modelling	Trustworthy grant/cell-free cooperative access
Network information framework development	Self-healing and self-recovery mechanisms
Semantic & goal-oriented communication schemes	Explainable AI features

3. Planned Standardization Activities

- **Potential targeted standardization bodies / groups:**
The NANCY consortium plans to monitor/participate in 16 different SDOs and industry fora.
- **Standardization planning and estimated time plan:**

Task	Title	WP	Start	End
T1.6	Standardization & clustering activities	WP1	M7	M36

Deliverable	Title	Due
D1.7	Initial Standardization Activities Report [R,PU]	M18
D1.10	Final Standardization Activities Report [R,PU]	M36

Body	Partners
6G-SNS	8BELLS
3GPP	TECNALIA
IEEE	CERTH, INNO
NGMN	TEI
IETF	SID
ONF	NEC
ETSI	TDIS
WWRF	UOWM
O-RAN	OTE
OSM	MINDS
One6G	INNO
ECO6G	i2CAT
DAIRO	NEC, UMU
AI4EU	CERTH
NIST/PQC	UOWM/TDIS
EOSC	UOWM/INTRA