



The Standards People

ETSI Research Conference 2023

Maximizing the Impact of European 6G
Research through Standardization

PRIVATEER

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6G SNS

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1. Project Overview

- **PRIVATEER: Privacy-first Security Enablers for 6G Networks**

<https://www.privateer-project.eu/>

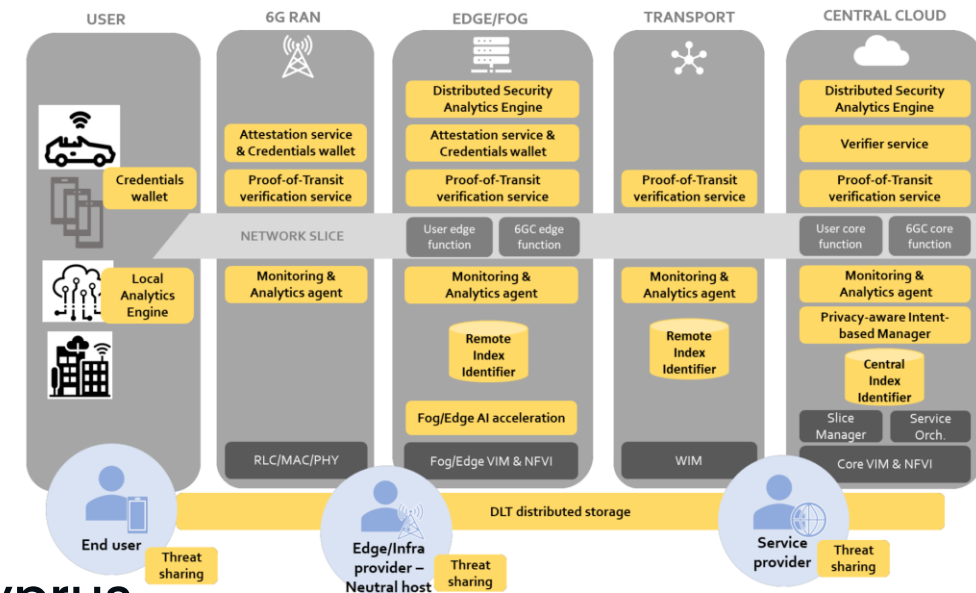
- **Stream B-01-04: Secure Service Development and Smart Security**

- **Partners**

- Six RTOS, three large industries, three SMEs, and one industrial association
- Greece, Spain, Belgium, Norway, Portugal and Cyprus

- **Achieve a holistic, privacy-friendly security solution**

- Complementing “native” 5G/6G standardized security controls for basic functionalities
- Validation on a campus-wide B5G testbed against vertical use-case scenarios: edge, logistics, transportation, neutral-host, smart city



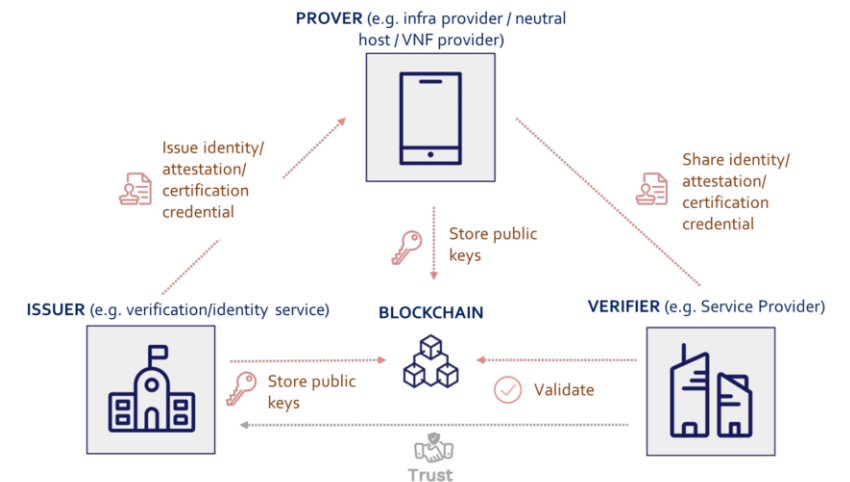
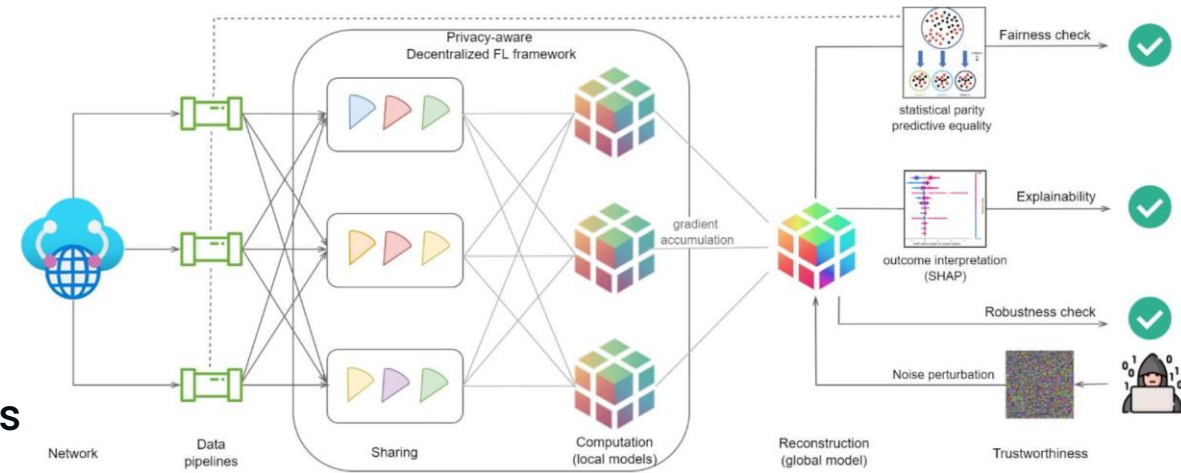
2. Technical Information

- Pave the way for 6G privacy-first security

- Innovative security enablers for 6G networks addressing concerns in
 - The processing of infrastructure and network usage data for security analytics
 - The slicing and security orchestration processes
 - Infrastructure and service attestation, and integrity check procedures
 - Cyber threat intelligence (CTI) sharing

- Key technologies

- Decentralized Robust Security Analytics
- Trustworthy network topology
- Privacy-aware orchestration
- Infrastructure and service attestation
- Distributed identities and verifiable credentials
- Privacy-friendly CTI sharing and anonymization



3. Planned Standardization Activities

- **Security enablers**
 - 3GPP: SA3
 - ETSI: ETI, MEC, PDL, TC-CYBER
 - IETF: PPM, SAAG
 - Decentralized Identify Foundation
- **Secure orchestration and management**
 - 3GPP: SA5
 - ETSI: NFV, ZSM
 - IETF: I2NSF, NMRG
- **Integrity and attestation**
 - ETSI: SAI
 - IETF: RATS, SCITT
- **Specific targets on PoCs and open-source contributions**

