



INSPIRE-5Gplus

Intelligent Security and Pervasive Trust
for 5G and Beyond

www.inspire-5gplus.eu



5G Security Risks to be Tackled



INSPIRE-5Gplus

- ▶ **Unauthorized access** or usage of assets
- ▶ **Weak slices isolation** and connectivity
- ▶ **Traffic embezzlement** due to recursive/additive virtualization
- ▶ **Difficulties to manage** vertical SLA and regulation compliance
- ▶ **Trust management insufficient** for 5G infrastructure complexity

Security Vision of INSPIRE-5Gplus



A smart, trustworthy and liability-aware 5G security platform for future connected systems

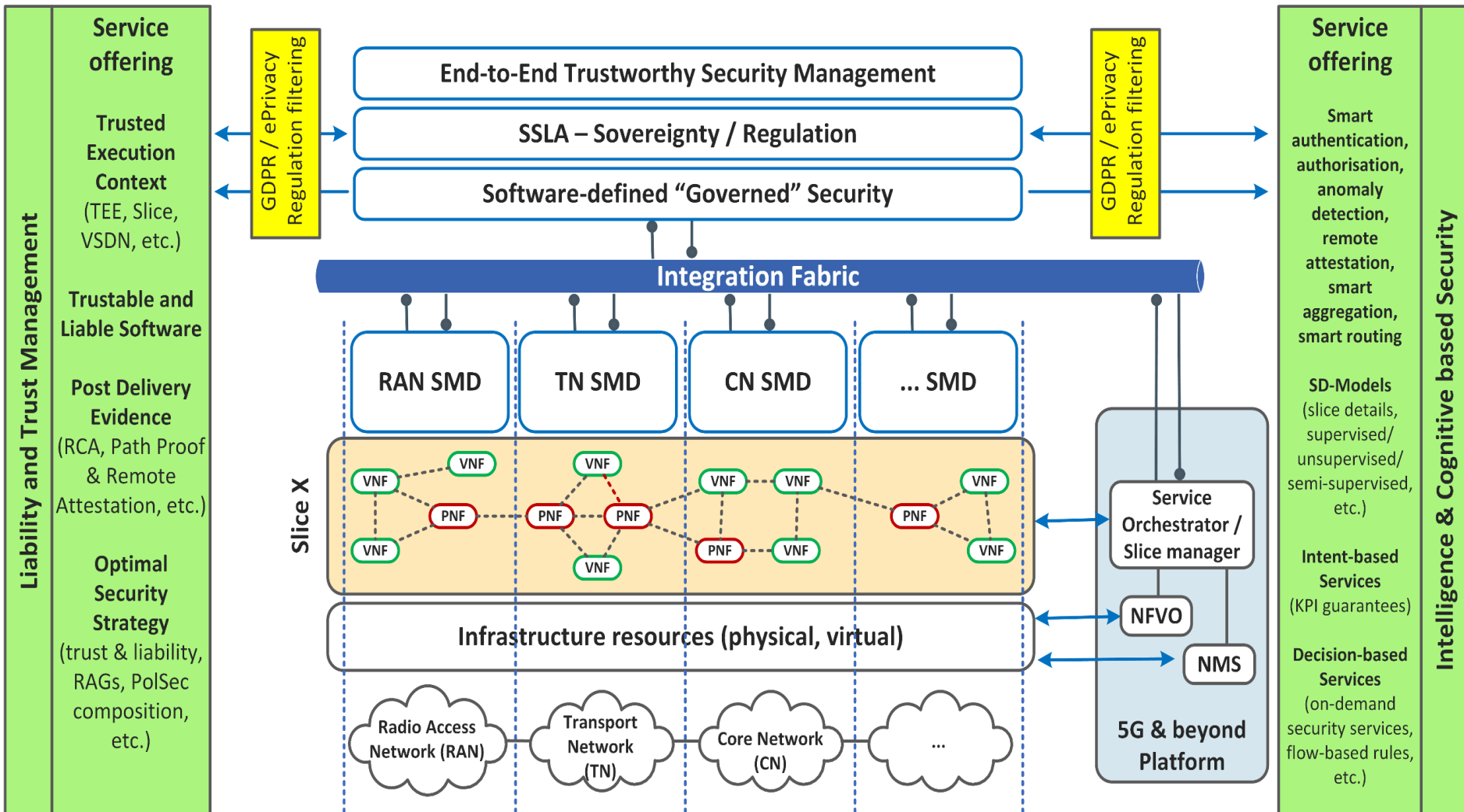


Major Goals of INSPIRE-5Gplus

- ▶ **Ensure conformance of security level** to legislative and standards-compliant security requirements
- ▶ **Provide a dynamic security framework** embracing the complete end-to-end 5G network-service chain

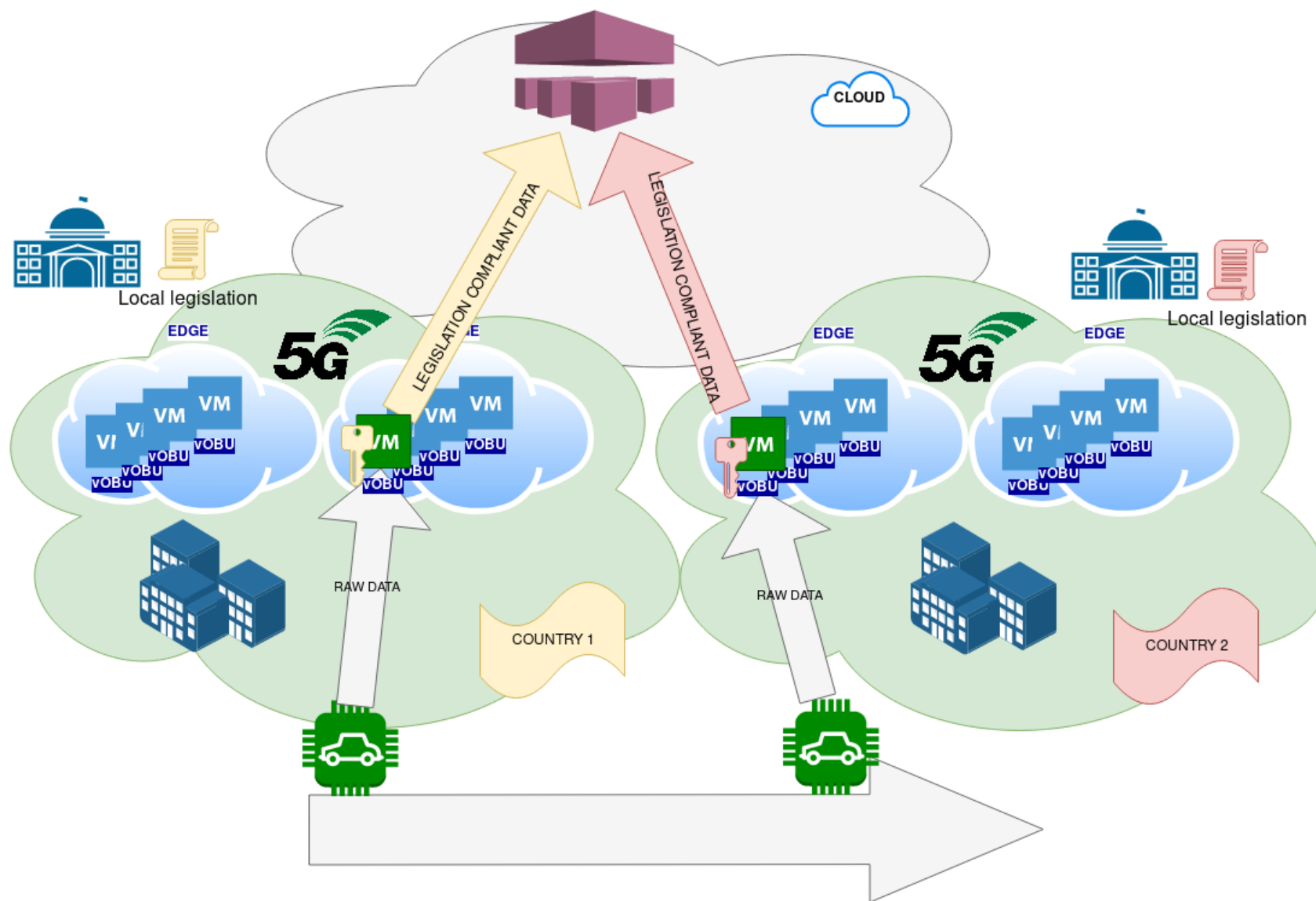


Novel Security Architecture for 5G



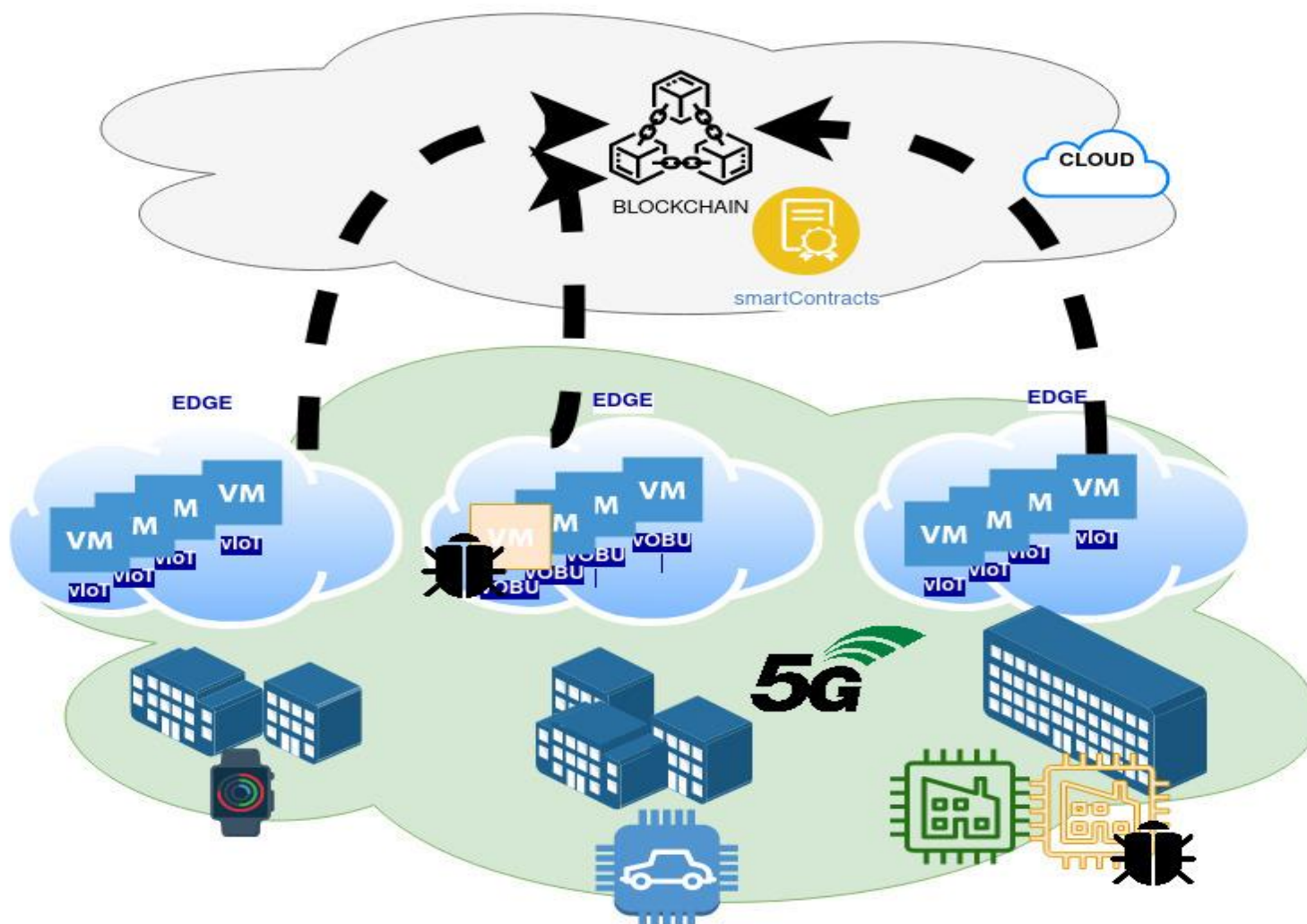


5G Security Use Cases





5G Security Use Cases



Main Results Envisaged by INSPIRE-5Gplus



INSPIRE-5Gplus

- ▶ **Comprehensive report** on current security landscape of 5G networks and the foreseen evolution trends of this landscape
- ▶ Intelligent and autonomic end-to-end **cyber security services** for detecting and mitigating existing and new threats in 5G networks
- ▶ Evolved and new **5G security assets** taking advantage of novel tools and techniques such as AI
- ▶ Novel **integration and experimentation framework** for validating specific 5G security use cases in INSPIRE-5Gplus

INSPIRE-5Gplus at a Glance



INSPIRE-5Gplus

Research Programme

Horizon 2020 / 5G PPP

ICT-20-2019-2020

Duration

36 months

Nov 2019 – Oct 2022

Total Budget

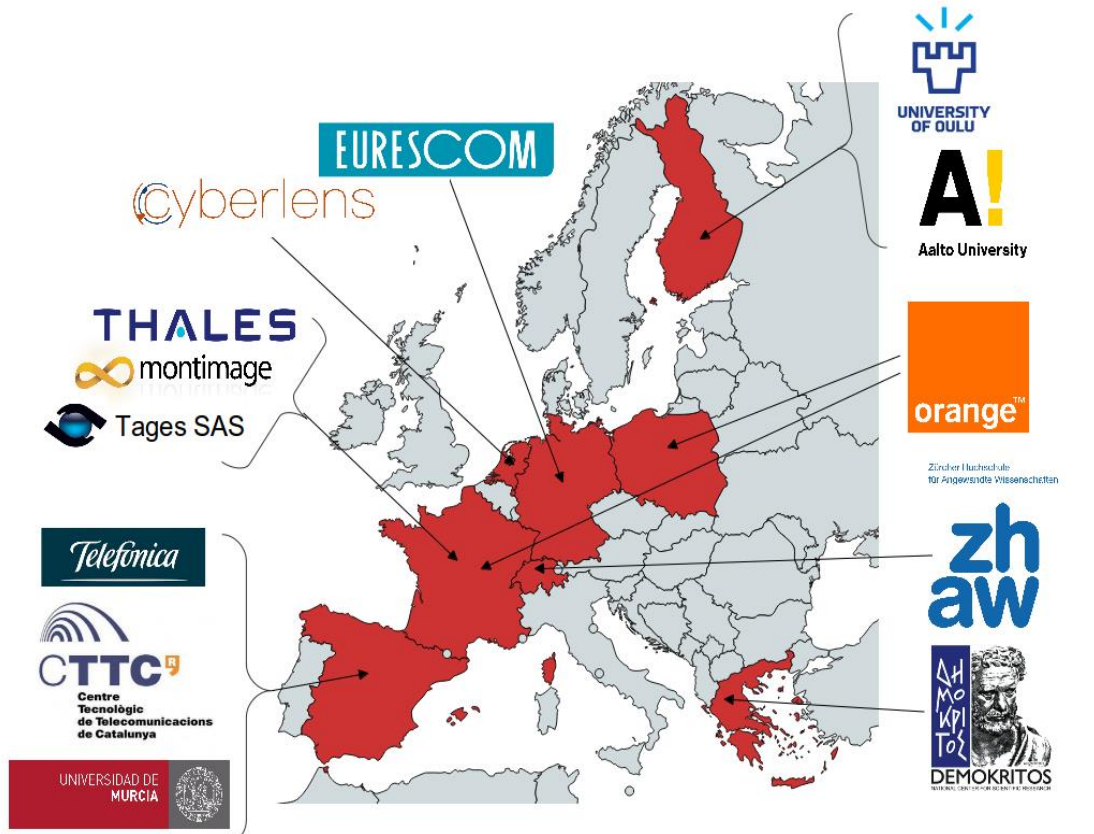
5.99 million euro

Project Coordinator

Eurescom, Germany

Technical Manager

Thales, France



Consortium – 14 Partners from 8 Countries



INSPIRE-5Gplus



THALES

SOLIDSHIELD



Aalto University



Orange France
Orange Poland



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Further Information

Website: www.inspire-5gplus.eu

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