



KEY TARGETS

INSPIRE-5Gplus makes a revolutionary shift in the 5G and beyond security vision by progressing 5G Security and by devising a smart, trustworthy and liability-aware 5G security platform for future connected systems.

INSPIRE-5Gplus will allow, for the first time, the advancement of security vision for 5G and Beyond through the adoption of a set of emerging trends and technologies.

INSPIRE-5Gplus will ensure that the provided security level is in conformance to legislation, verticals' and standard's security requirements. Trust and liability will be fostered through integration of novel mechanisms supporting confidence between parties and compliance with regulation.

INSPIRE-5Gplus will provide a dynamic security framework embracing the complete end-to-end 5G network-service chain aiming at evaluating specific 5G use cases in relevant vertical industries.



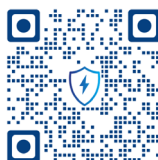
Project coordinator:
Mr. Uwe Herzog (EURESCOM, Germany)

Technical Coordinator:
Mr. Pascal Bisson (Thales, France)

Website:
www.inspire-5gplus.eu

Twitter:
[@Inspire-5Gplus](https://twitter.com/Inspire-5Gplus)

LinkedIn:
www.linkedin.com/



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**Intelligent Security
and Pervasive
Trust for 5G and
Beyond**

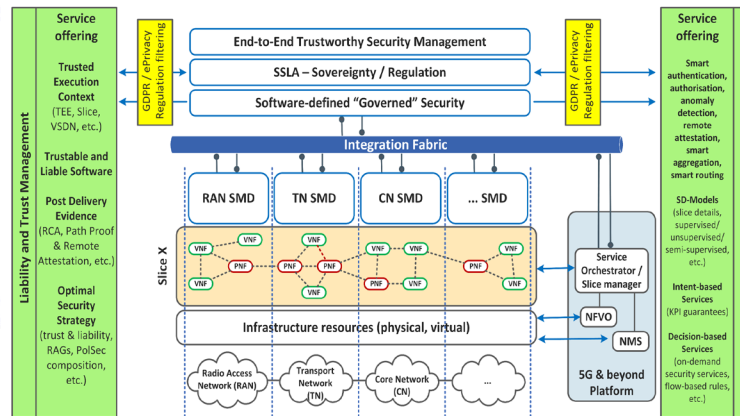


Intelligent Security and Pervasive Trust for 5G and Beyond

BUSINESS MODEL



HIGH LEVEL ARCHITECTURE



TOP DELIVERABLES

- A comprehensive report of current security landscape of 5G networks and the foreseen evolution trends of this landscape either regarding security threats or security requirements.
- Intelligent and autonomic end-to-end cyber security services that can detect and mitigate both existing and new threats targeting 5G networks.
- Evolved and new security assets taking advantage of novel tools and techniques with a focus on trust and liability across 5G infrastructure and services.
- An integration and experimentation framework, with the objective of validating specific 5G security use cases in INSPIRE-5Gplus.

INSPIRE-5Gplus will facilitate industrial partners in new product roll-outs and will work in favour of enabling 5G community to test and experience the smart and trustworthy security services resulting from the project. Key project activities:

INSPIRE-5Gplus will devise and implement a fully automated end-to-end smart network and service security management framework that empowers not only protection but also trustworthiness and liability in managing 5G network infrastructures across multi-domains. INSPIRE-5Gplus will ensure that the provided security is compliant with the expected Security Service Level Agreement (SSLA) and the regulation requirements.

Enabling technologies

- Zero-touch end-to-end security management.
- Dynamic software-defined security models.
- Smart end-to-end security management through Artificial Intelligence/Machine Learning.
- Software-defined security and trust.
- Trusted end-to-end smart (AI) security management.
- Liabile end-to-end smart security management.

At a glance

Program:

H2020 ICT-20-2019-2020

Duration:

36 months

Starting date:

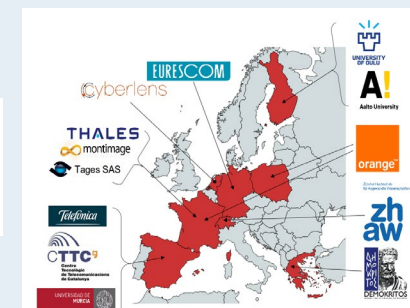
1/11/2019

Ending date:

31/10/2022

Total Budget:

5,993,380 €



Stakeholders

- Mobile network operators.
- Service providers.
- System vendors.
- SMEs
- Academia and research institutions.