



CONFIDENTIAL6G

Confidential Computing and Privacypreserving Technologies for 6G

SNS Lunchtime Webinar 3 – Introducing the SNS projects

Vera Stavroulaki, WINGS ICT Solutions, Project Coordinator

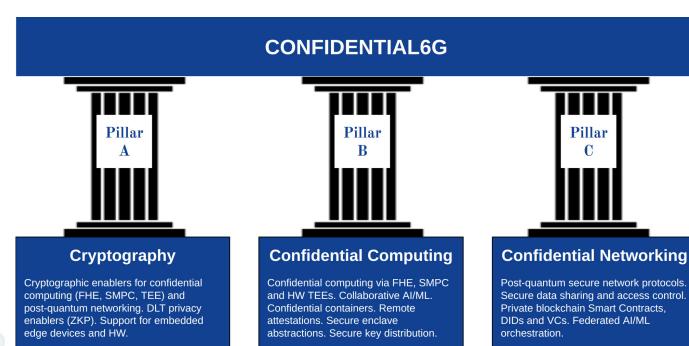


Co-Funded by the European Union GA 101096435

Project vision

6G infrastructure must ensure **reliability, trust and resilience on a globally connected continuum of heterogeneous environments** supported by the convergence of networks and IT systems, in order to enable new future digital services to flourish.

CONFIDENTIAL6G will develop tools, libraries, mechanism and architectural blueprints for confidentiality in 6G. These will include cryptographic enablers, which are the prerequisites for building more sophisticated software components, followed by platforms and applications that will further secure and privacy-preserving compute and communication (network) processes, including secure multi-party computation and federated AI/ML orchestration. The design of future systems will be supported by in-depth, state-of-the-art cryptographic quantum-resistant protocols and formal security proofs.





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Key project facts

Topic ID: HORIZON-JU-SNS-2022-STREAM-B-01-04

Secure Service development and Smart Security

Project Number: 101096435

Duration: 36 months

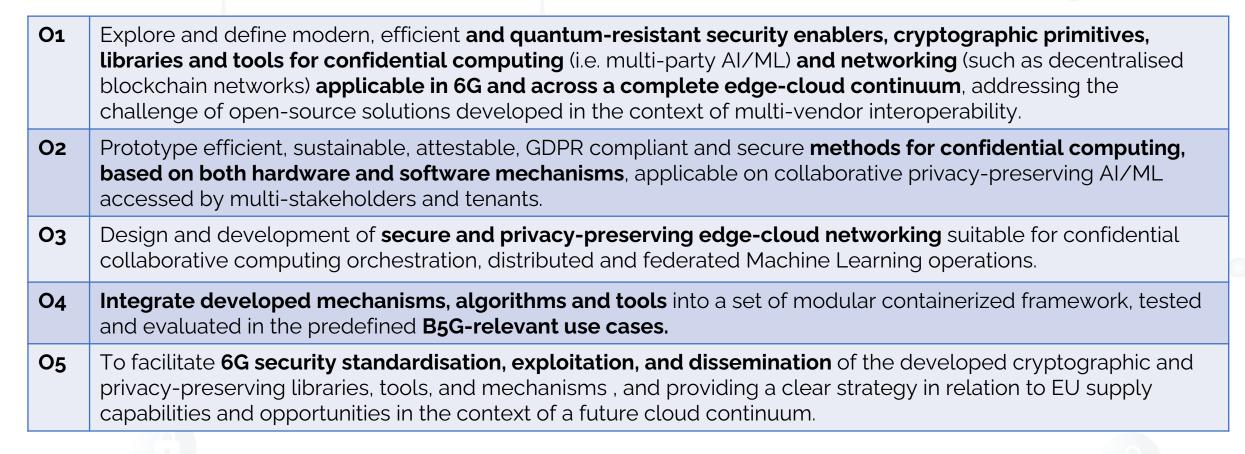
Start Date: 01 Jan 2023

Total budget: €5,263,864.50

Project coordinator: Vera Stavroulaki (WINGS ICT Solutions) Technical manager: Drasko Draskovic (Nokia Networks France)

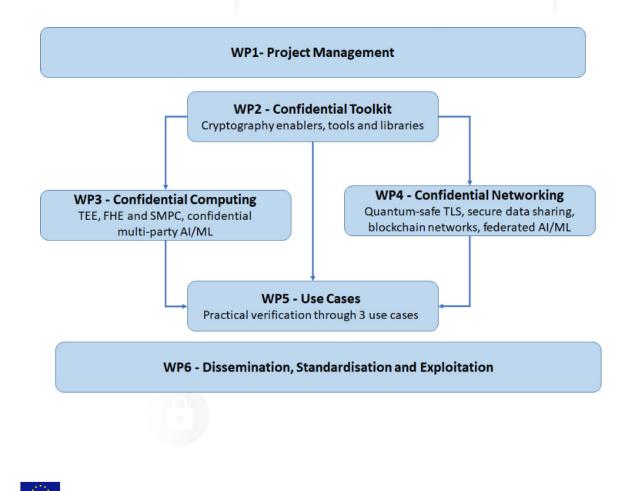


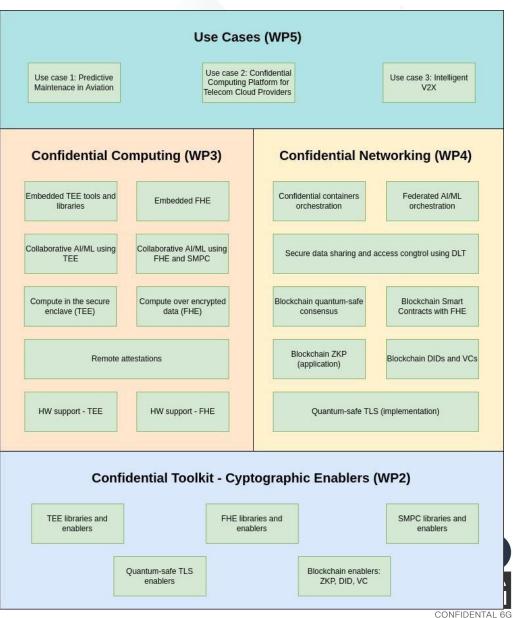
Project Objectives





Work structure and research areas





Use-Cases



Use Case 1: Predictive maintenance for airline consortium using blockchainbased data sharing platform and federated AI/ML orchestration



Use Case 2: Privacypreserving confidential computing platform that enables mitigation of internal threats for telecom cloud providers



Use Case 3: Intelligent connected vehicle, mission-critical services, OTA updates, FL/ML and vehicle to infrastructure communication





To validate the constituent components that will be integrated into a unified fullyfunctional platform an iterative small-scale validation in 3 use cases will be organised.



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Thank You!



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