

Concept Note: LEONES Initiative

LEONES – AI-Driven Digital Workspace for Frontline Policing in the EU

Background & Problem Statement

The European Union faces a pressing challenge in enhancing the effectiveness and coherence of its internal security framework. A critical gap lies in the operational support and empowerment of frontline policing units. Despite the increasing complexity of security threats, frontline officers across member states operate with highly variable tools, limited integration, and insufficient real-time intelligence support. National systems remain fragmented, and cross-border collaboration often depends on outdated or incompatible infrastructures.

EUCCS explicitly targets these challenges by establishing a federated, standards-based secure communications infrastructure for public safety actors. LEONES complements and extends this ambition by serving as a modular, field-level implementation layer that anticipates and prepares for EUCCS certification pathways. LEONES will act as the operational bridge between EUCCS policy ambitions and frontline policing realities, translating EUCCS design principles into testable and actionable components.

Strategic Vision

LEONES addresses this fragmentation through a unifying digital approach. Our vision is to empower national police forces by offering an interoperable, AI-enhanced digital workspace that strengthens front-line capabilities while respecting sovereignty. LEONES is fully aligned with the EUCCS roadmap and treats its specifications and security principles not only as compliance targets but as foundational design constraints. All communication, encryption, and federation protocols within the LEONES platform are developed to prefigure integration with EUCCS-certified channels. LEONES is positioned as a strategic pilot and stress-test environment that will actively inform EUCCS development.

LEONES aims to:

- Provide an EUCCS-aligned operational baseline across EU member states, offering core functionalities such as secure communication, live data access, structured report automation, and real-time collaboration tools.
- Enable modular expansion to accommodate specific national needs while maintaining EU-wide compatibility.
- Support cross-border policing operations through shared protocols, AI-assisted translation, and federated data access models.
- Guide and support the digital transformation of policing practices with ongoing training, UX design tailored to operational reality, and dedicated support teams.

- Feed validated field-level use cases, operational feedback, and architectural patterns into the EUCCS development process, helping to bridge the gap between policy-level standards and real-world tactical constraints.
- Act as a live validation arena for EUCCS assumptions, providing concrete field-level data on communication latency, spectrum resilience, failover performance, and human-machine trust thresholds.

Core Innovation: The LEONES Digital Workspace

At the heart of the initiative is the LEONES platform — a secure, AI-driven, multilingual workspace tailored for frontline law enforcement. Its communication architecture is developed in parallel with EUCCS milestones and incorporates secure communication layers, encrypted metadata routing, and abstraction modules compatible with future reference implementations. LEONES functions as a live demonstrator of secure, interoperable communication in high-friction operational settings and as a strategic feedback channel for EUCCS.

It will feature:

- AI-enhanced dictation and report structuring
- Secure collaboration and real-time alerts
- Integration with national databases and ANPR/ID tools
- Geolocated tasking and team coordination

Collaborative Development & Phased Implementation

The LEONES initiative offers a phased roadmap:

Phase I (Years 1–2): Co-development of baseline modules with launch partners across pilot countries. Active synchronisation with the EUCCS initiative through architectural audits, shared technical blueprints, and the joint definition of field-relevant use cases and security constraints. LEONES pilot environments will serve as testbeds for EUCCS-relevant patterns and message protocols and will report structured field data to support EUCCS evolution.

Phase II (Year 3): Ongoing development. Establishment of a permanent EU-wide Centre for Frontline Policing Innovation to coordinate further development, training, and operational support of the platform. LEONES will also provide operational feedback loops to EUCCS governance bodies, contributing structured input on communication resilience, user trust, and system adaptability in real-world deployments.

Phase III (Years 4+): Rollout and scaling across additional member states, with ongoing co-creation of tools and AI models.

Call to Action for Partners

We invite EU member states, national police organisations, research institutions, and technology partners to join the LEONES initiative. Together, we can:

- Co-develop sovereign digital tools tailored to field-level operations

- Shape the AI models that will underpin EU security capabilities
- Build the infrastructure for a secure, autonomous, and effective EU-wide policing platform
- Participate in joint EUCCS–LEONES alignment sessions to shape future-certified policing platforms

LEONES is more than a technology project—it is a secure, standards-aligned movement towards cohesive, data-driven, and empowered policing, tightly coordinated with the strategic objectives of EUCCS. LEONES does not merely align with EUCCS—it operationalises and stress-tests its core tenets. By integrating real-world learnings from frontline deployments back into EUCCS technical and governance forums, LEONES will help shape the evolution of Europe’s common communication security framework from the ground up.

Contact & Participation

Interested stakeholders can apply to join our Partner Board, contribute to pilot development tracks, and gain early access to technical blueprints and co-funding opportunities.

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HORIZON CALL:
[Civil Security for Society \(HORIZON-CL3-2025-01\)](#)

HORIZON-RIA HORIZON Research and Innovation Actions
 (...)

- Modern, uniform and validated tools, skills, methodologies and innovative training curricula for security practitioners (Police Authorities and forensic institutes in Europe) to prevent, detect and investigate criminal and terrorist offences, including the lawful court-proof collection of crime evidence;
- Improved mechanisms for cross-border information exchange in the fight against crime and terrorism, taking into account all applicable legislation and fundamental rights;
- Evidence-based support to policy-makers on shaping and tuning of regulation related to modern information analysis, forensic evidence analysis or frontline policing (...)

Option c: modernisation of frontline policing.

(...)

