Research Function at eu-LISA

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Cluster 3 – Info Day I 11 June 2025





Key elements



eu-LISA is the European Union Agency for the Operational Management of Large-Scale IT Systems in the Area of Freedom, Security and Justice

Established:1 December 2012

• Number of staff : 400

Annual budget (2024): around EUR 265 M













Systems managed and under development by eu-LISA



HOME AFFAIRS (incl. internal security, visas and border management, migration and asylum)

















EURODAC

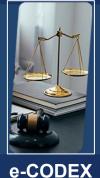
ETIAS

NEW EURODAC

REVISED VIS

JUSTICE







INTER-**OPERABILITY**





ECRIS - TCN

JITs CP

Research function at eu-LISA

- eu-LISA Revised Mandate (Nov 2018)
- Art 14: conduct research and technology monitoring relevant for the development and operational management of the systems
- Art 15: develop pilot projects, proofs of concept and perform testing activities



eu-LISA STRATEGY - GOAL 3

Enable and drive innovation and digital transformation in the Justice and Home Affairs domain



STRATEGIC OBJECTIVE 1

Foster "thought leadership" in technology areas relevant for the Agency and its stakeholder community



STRATEGIC OBJECTIVE 2

Enable innovation in the Agency, including through piloting of innovative solutions



STRATEGIC OBJECTIVE 3

Act as bridge with the research and innovation ecosystem, including institutional partners, industry and academia

IDENTITY MANAGEMENT CYBER SECURITY Self-Sovereign Identity Document Authentication Recognition (fraud detection) Identity and Access Management (IT) Data Protection (encryption, etc.) **Endpoint Security** Network Security **Application Security** Medium Maturity Maturity Maturity DevOps tools Database Blockchain Data Centre Microservice Architecture Technologies Cloud Frameworks for Web Applications (backend/frontend) **Technologies** Quantum Computing **COMPUTING INFRASTRUCTURE SOFTWARE ENGINEERING**

Technology mapping

RELEVANCE FOR euLISA



Very Relevant



ΑI

Very relevant, Medium maturity

All is placed at the centre of the map to indicate its widespread impact on and interconnection with all the other technology areas.



Thank you!

eu-LISA

European Union Agency for the Operational Management of Large-Scale IT Systems in the Area of Freedom, Security and Justice

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