# Studies and projects 2023

- Key Enabling Technologies and Privacy Enhancement for the Justice and Home Affairs domain (Frontex)

- Research Study on High-Altitude Pseudo-Satellites (Frontex)

- Remote Biometric Identification for law enforcement purposes (FRA)

- Assessing high-risk artificial intelligence (FRA)

- Factors Influencing the Uptake of EU-Funded Security Research Outcomes (DG HOME)

- European Data Space for Innovation (DG HOME)

- Report on Encryption (Europol)

Accountability Principles for AI
AP4AI

+ A practical toolkit

+ Supports AI accountability

+ Internal Security Domain

+ AP4AI Platform
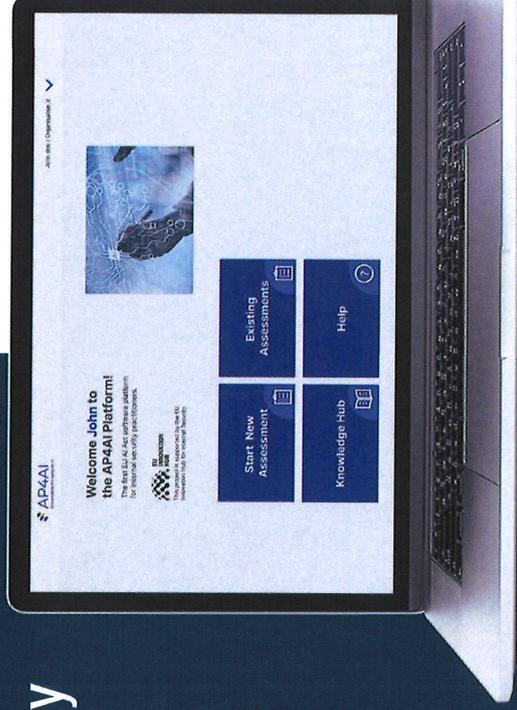
What next? How can the Hub support?
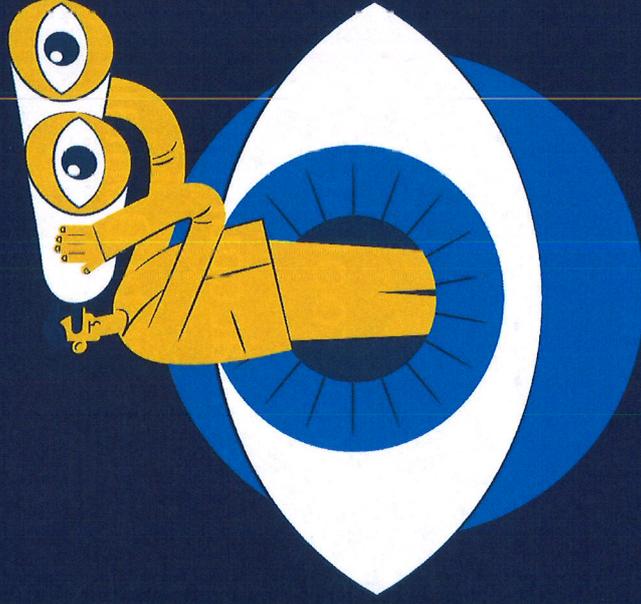
- Anticipate
- Avoid duplication
- Create synergies
- Pool resource

- Multi-Party Computing
- Secure communications
- Drones
- Biometrics
- Etc.

What next? How can the Hub support

➤ **Disseminate results of EU-funded research projects across internal security sectors**

➤ **Increase uptake**

What next? How can the Hub support

➢ Promote exchange of best practices/innovations between PIUs related to data collection/law enforcement work on other modes of transport (maritime, rail, coaches).

➢ Complement the Commission study to address the operational needs for the processing of passenger data from other modes of transport notably maritime
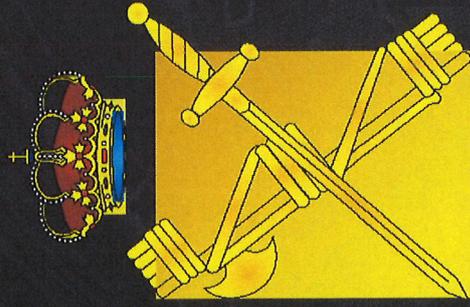
RISK ASSESSMENT

Thank you for your attention!

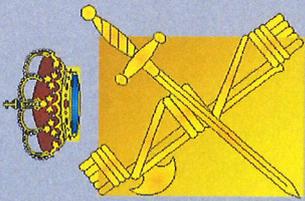EU-Innovation-Hub@europol.europa.eu

SIAM-CENTINELA

Automated license plate recognition system

TECHNICAL DEPARTMENT - ATEC

Personal Data

"Innovative Technologies for Strengthening Schengen"

Warsaw, march 28th 2023

INDEX

TECHNICAL DEPARTMENT
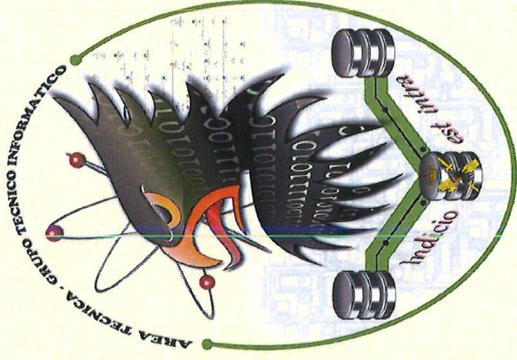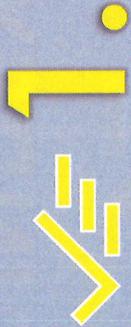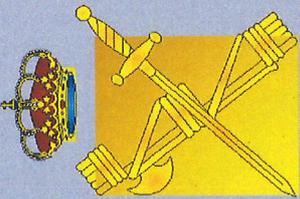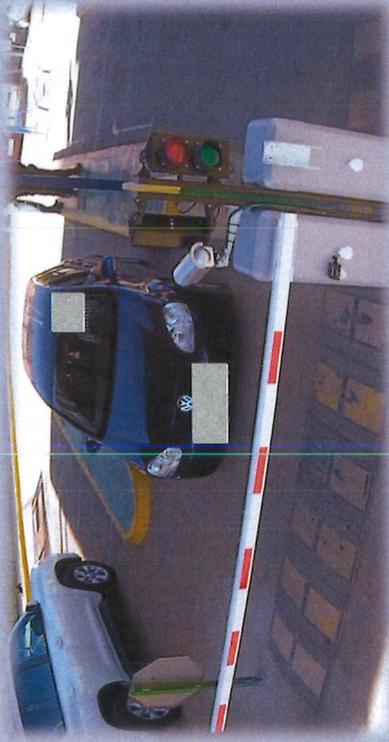
¿WHAT IS SIAM?

Reporting Tools,
Modus Operandi of
Law Enforcement

¿WHAT IS SIAM?

CAPTURE AND ANALYZE PLATES AND THE ELEMENTS OF THE SCENE

PROTECT SCHENGEN AND NATIONAL AREA
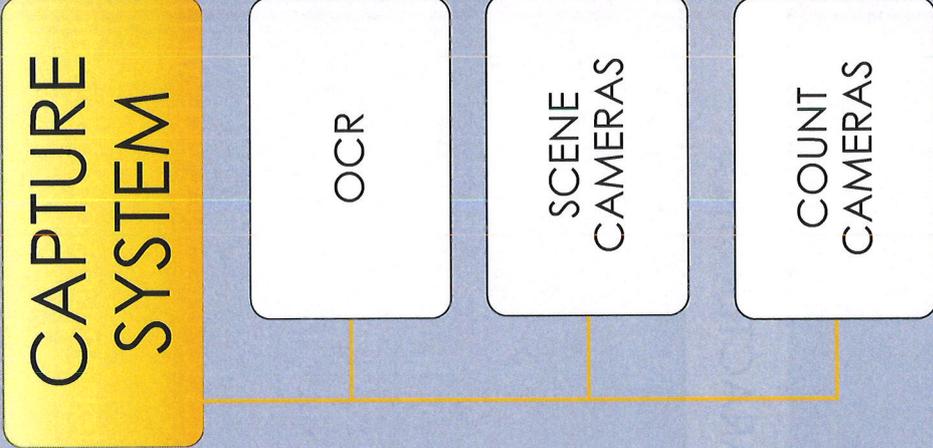
GOAL

¿WHAT IS SIAM?

CHARACTERISTICS

- Continuous number plate recognition (>95% detection)

- Link the scene image and number of people inside the car with the number plate recognized.

- Real time analysis of 100% of the number plates recognized against some of our data bases, mainly DGT and SIS.

Alert system in case of a positive (number plate included in a hotlist) to the police officers in charge of border control.

Alerts to mobiles via WIFI radio or SMS.

Autonomus working system.

Interchangeable mood system in case of informatic system crash.

Real time streaming video mode.

¿WHAT IS SIAM?

CENTINELA

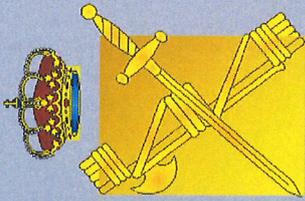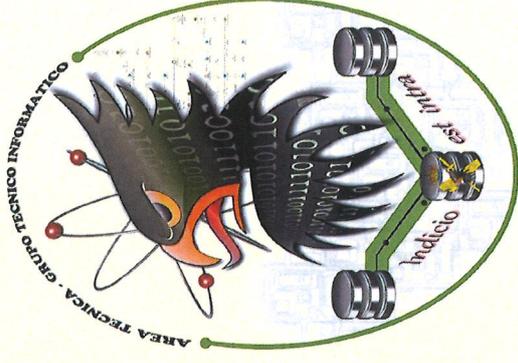**MANAGEMENT AND ANALYSYS TOOL**

Reporting Tools, Modus Operandi of Law Enforcement

CAPTURE SYSTEM

OCR

SCENE CAMERAS

COUNT CAMERAS

TECHNICAL DEPARTMENT

PRACTICAL CASES

DATA COLLECTED

EUROPEAN REGULATION 2018/1862

L.O 03/2018, 5TH DECEMBER, ABOUT PERSONAL DATA PROTECTION AND GUARANTEE OF DIGITAL RIGHTS

DIRECTIVE (EU) 2016/680 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 APRIL 2016

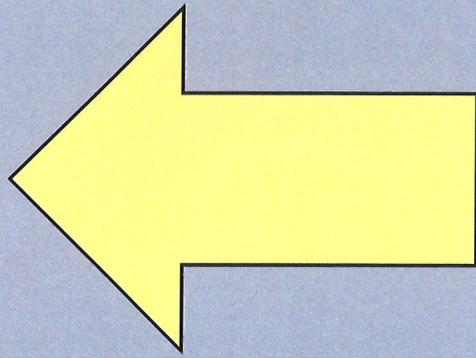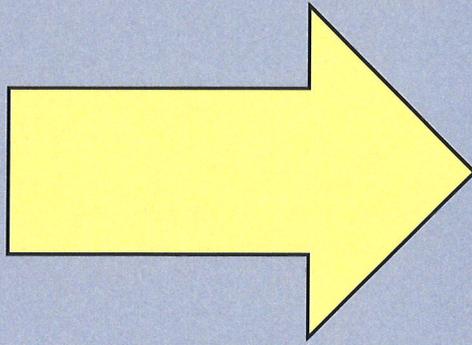LICENSE PLATES ARE CHECKED AGAISNT OUR DATA BASES AND SISII

PURPOSE

Prevention
- For border control units

Investigation
- Information and Judicial police units

Guardia Civil