



# Smart borders in the European Union

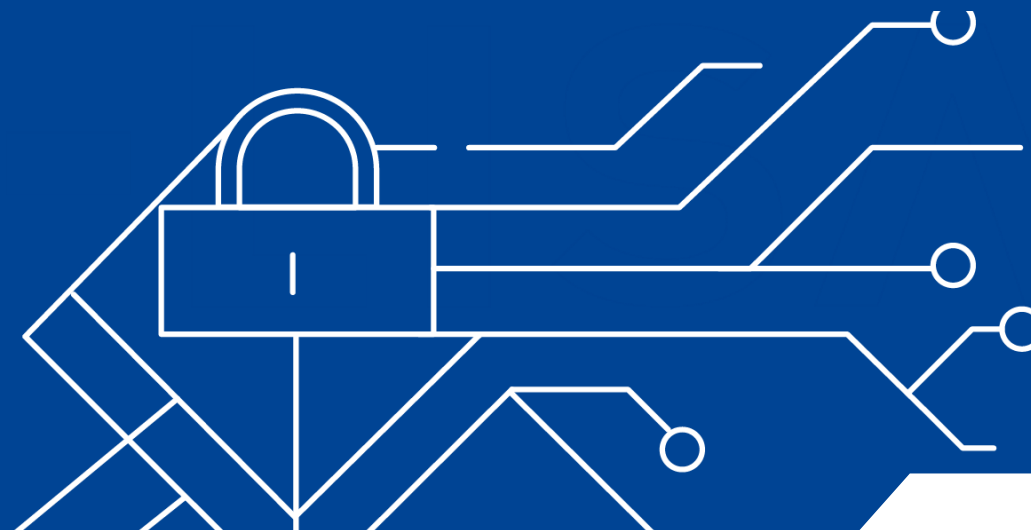
## - *Challenges and opportunities* -

*BM Conference, Amman, Jordan, 24 November 2022*

*Luca Tagliaretti – Executive Director a.i.*

1

## eu-LISA – About us



# EU Agency for the operational management of present and future large-scale IT systems in the area of freedom, security and justice.

## Our mission and activities:

- Operational management of **largescale IT systems** for **internal security and border management**
- Support **Member States** through technology for a safer Europe
- **Training** Member States & EU Agencies
- Grow as a **centre of excellence in AI**
- **Research** and development
- Building and maintaining **new systems** in justice and border management



# The Schengen area

## Borders

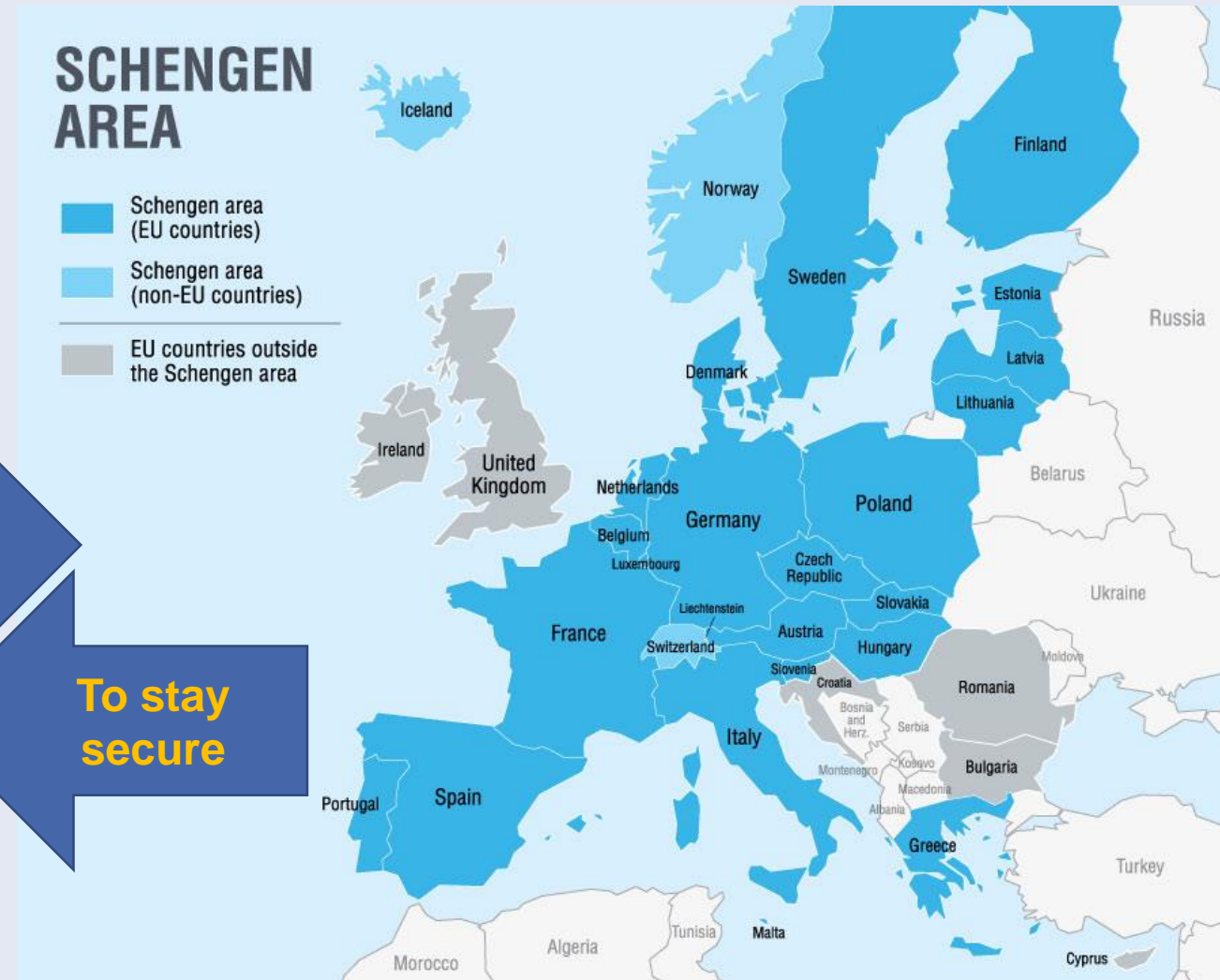
- 7 721 Km of land borders
- 42 673 Km of maritime borders
- 644 air border crossing points
- 26 countries /420 million people

## Travellers

- 1.25 billion border crossings per year
- 191 million border crossings by Third Country Nationals (TCNs) per year today – 302 m by 2025
- ≈50 million of Third Country Nationals (TCN) today – 76 m by 2025

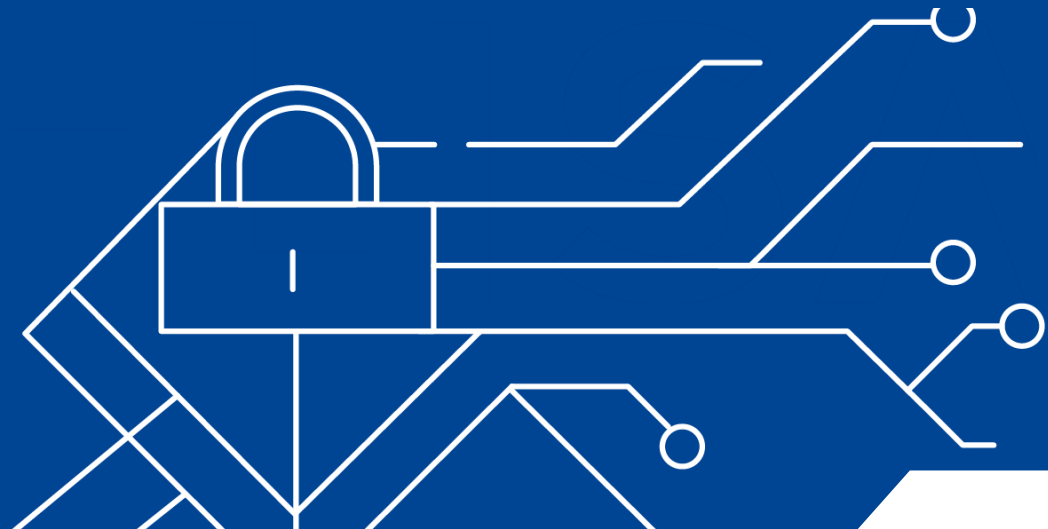
To stay open

To stay secure



# 2

## EU information systems in border management



# The current systems

855K fingerprint set in 2021

90 million alerts stored  
7 billion total searches

62 million applications  
in 2021



Digitalised fingerprints for asylum seekers and irregular migrants.

Helps determine which Member State is responsible for examining asylum applications

Schengen information system for exchange of information between national police, border control, customs, visa, other law-enforcement and judicial authorities

Visa information system  
Implementation of the EU common visa policy and facilitates border checks

## The upcoming systems



**EES**

- Entry-Exit System
- Recording of entry and exit of third-country nationals (TCN) ) crossing the EU external borders



**ETIAS**

- European Travel Information and Authorisation System (ETIAS)
- Pre-travel online authorisation system for EU border management that will improve the security and safety aspects of travelling to or through Member States territory

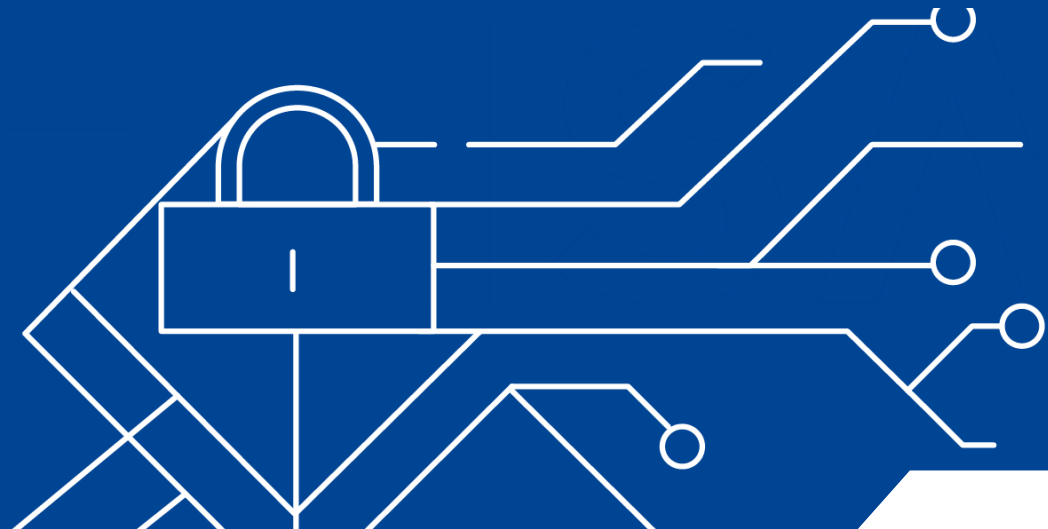


**ECRIS-TCN**

- Centralised system for the identification of Member States holding conviction information on third-country nationals and stateless persons (ECRIS-TCN)

# 3

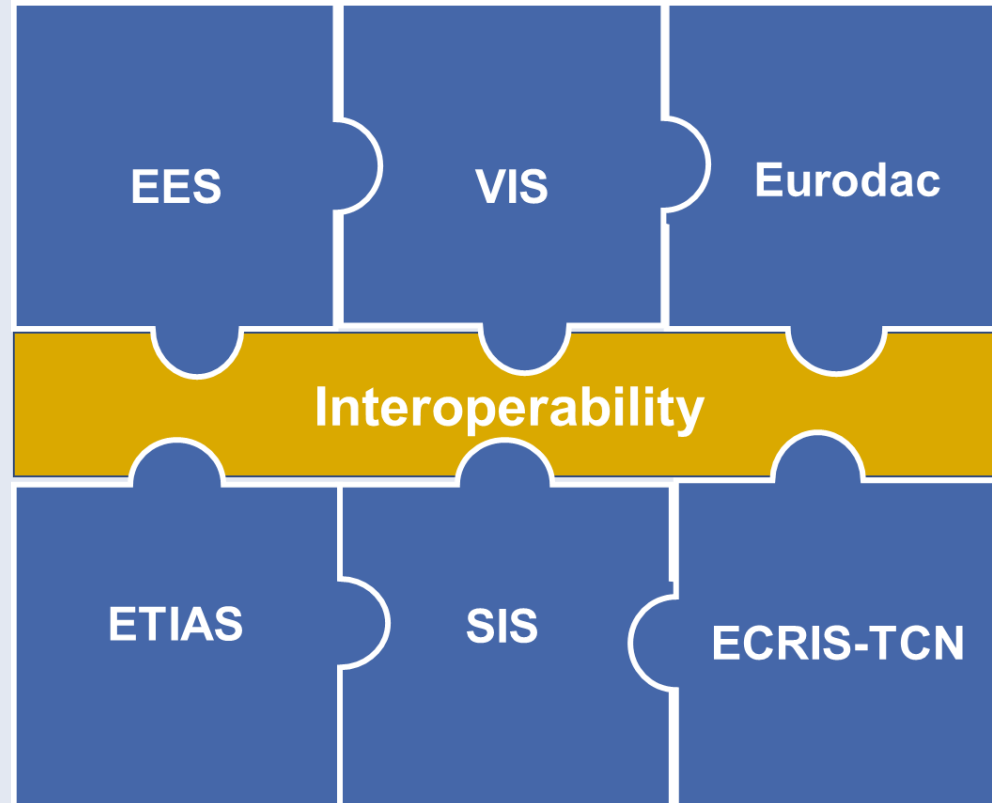
## Interoperability



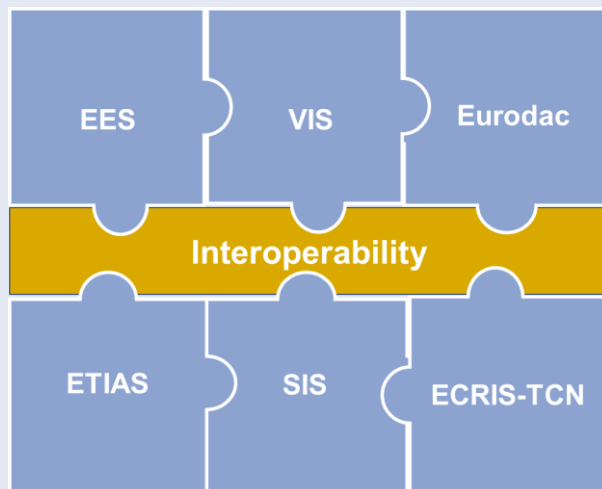


# The Interoperability Conundrum

Towards a New Information Architecture in the JHA domain



# What is interoperability?



## Central Repository for Reporting and Statistics (CRRS)

cross-system statistical data and analytical reporting for policy, operational and data quality purposes

## Interoperability Components

### European Search Portal (ESP)

One-stop shop carrying out a simultaneous search of multiple EU information systems, in line with users' access rights.

### Common Identity Repository (CIR)

Shared container of biometric and biographical information stored in specific systems about non-EU citizens.

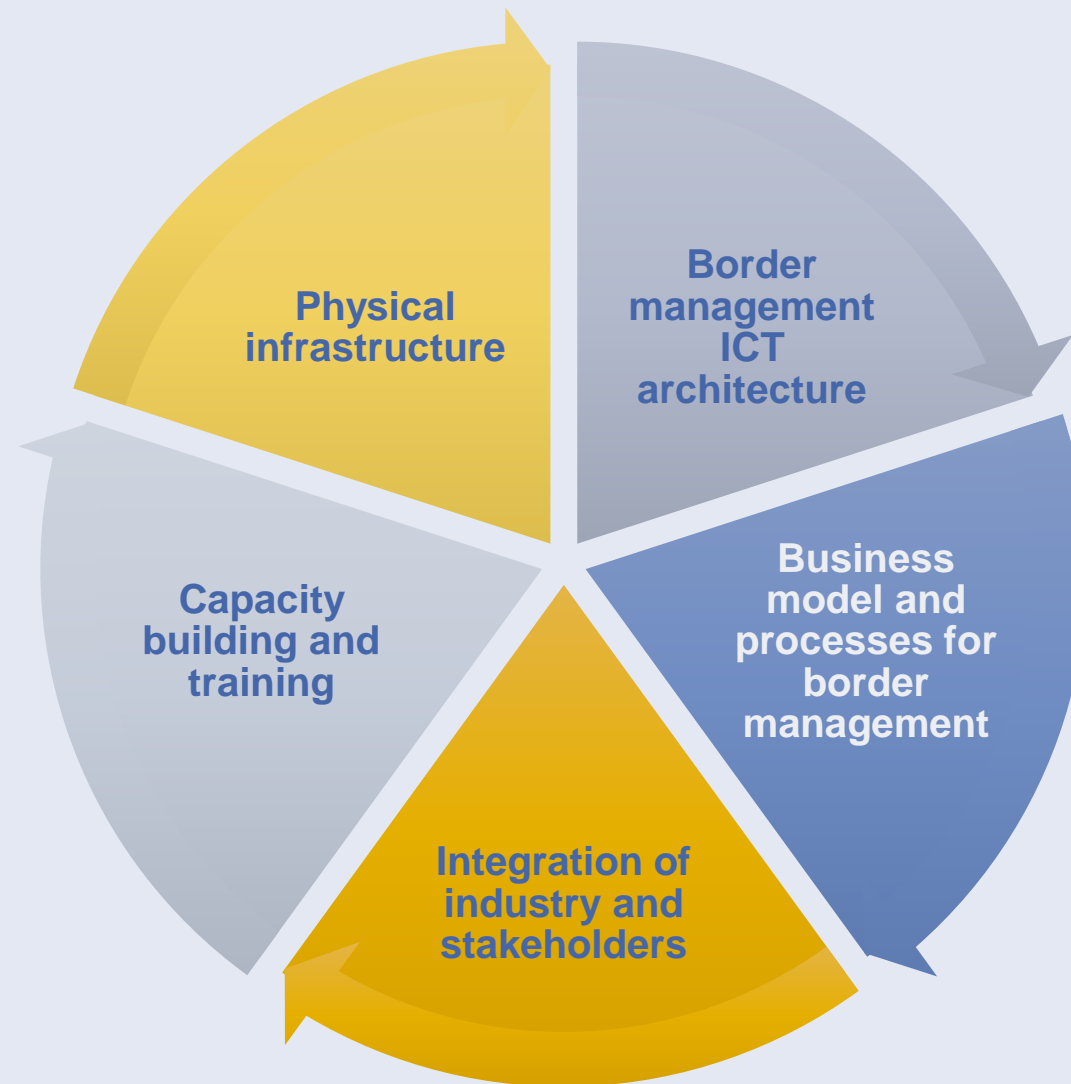
### Multiple Identity Detector (MID)

Detecting multiple or fraudulent identities across systems.

### shared Biometric Matching Service (sBMS)

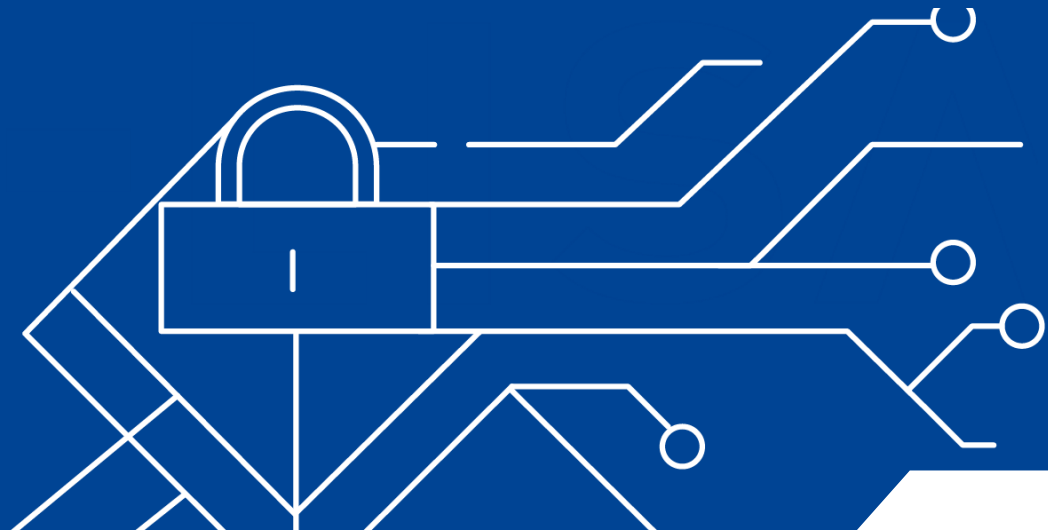
Cross-check biometric data (fingerprints and facial images) and detect links between information on the same person in different EU information systems.

## Interoperability in practice –



# 4

## **Beyond Interoperability: The future of EU border management**



# Beyond Interoperability: The future of EU border management



Seamless  
traveller  
experience



AI & new  
technologies



Future  
integrated  
systems  
(PNR/API)



Stakeholder  
integration &  
cooperation



Comprehensive  
border  
governance



Infrastructure  
& business  
processes

# Thank you

eu-LISA

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

[www.eulisa.europa.eu](http://www.eulisa.europa.eu)

 [facebook.com/agencyeulisa/](https://facebook.com/agencyeulisa/)

 [twitter.com/EULISA\\_agency](https://twitter.com/EULISA_agency)

 [linkedin.com/company/eu-lisa/](https://linkedin.com/company/eu-lisa/)

 [youtube.com/c/euLISAagency](https://youtube.com/c/euLISAagency)