

Panel discussion

A Standardized Open-Source Algorithm OR an Innovative Proprietary Solution?

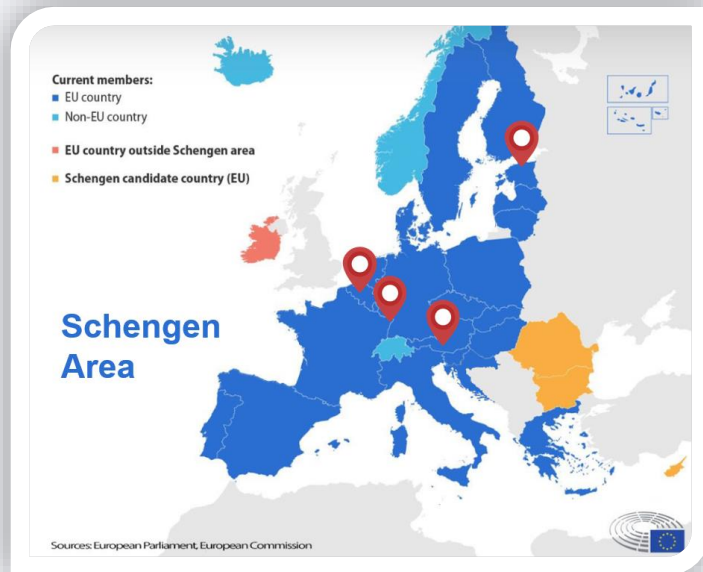
Istvan Racz,
Product Owner, eu-LISA

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

About me

- **Biometric Product Owner**
- Working at eu-LISA since 2012
- Over 10 years experience with Biometric Matching Systems
 - Responsible for the development of VIS BMS v2+
 - Evolution strategy, operational compliance and transition of sBMS to operations
- Past experience
 - Robotics, Computer Graphics, Financial and e-Procurement Systems, Project Management, Artificial Intelligence

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



Established in 2011, started operations on 2012-12-01



Agency's **mandate** was **reinforced** with Regulation (EU) **2018/1726**



- **Headquarters:** Tallinn (Estonia)
- **Operations:** Strasbourg (France)
- **Backup site:** Sankt-Johann im Pongau (Austria)
- **Liaison office:** Brussels (Belgium)

The **Schengen Area: 27 countries** (23 are EU member states), with a population of ~420 million people

eu-LISA Core Business Systems and IO components - Core part of EU law.

eu-LISA's biometrics collaboration network



- **International collaboration** with external agencies and associations
- **Standardisation efforts** with ISO/IEC JTC1 SC37 Biometrics
- **Collaboration** with universities and research centers

Standardized Open-Source Algorithm



common basis for FI quality

- across multiple stakeholders and systems
- with clear interpretation and defined meaning of scores

vendor-agnostic

- expected solid performance,
- independent of matching system

open to contributions from community

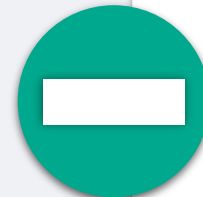
can be tested thoroughly against the standard

- strict conformance tests

independent evaluation of prediction accuracy, bias, etc. possible

- with benefit for the community

cheap usage



standardisation process is lengthy and flexibility is limited

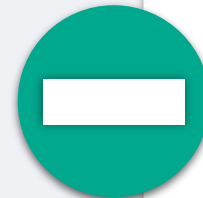
requires strict maintenance plan

Innovative Proprietary Solution



likely very good fit for specific matching systems,
in particular in homogeneous environments

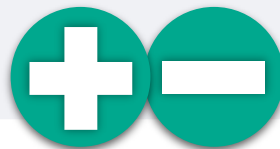
one responsible and liable supplier



vendor-specific solution (vendor lock-in)

cost

transportability



security by obscurity for black-box solution

Thank you !

eu-LISA

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Biometric as a Service (BaaS)

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