EUROPOL

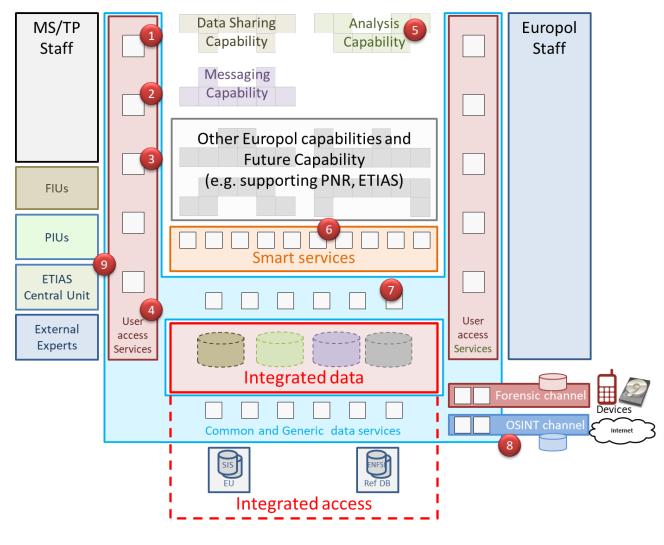# Integrated Border Management

17th of October 2018

Luis de Eusebio
Deputy Executive Director
Capabilities Department

New IM high level design

MS/TP Staff

FIUs

PIUs

ETIAS Central Unit

External Experts

User access Services

Data Sharing Capability

Analysis Capability

Messaging Capability

Other Europol capabilities and Future Capability (e.g. supporting PNR, ETIAS)

Smart services

Integrated data

Common and Generic data services

SIS EU

ENFSI Ref DB

Integrated access

User access Services

Europol Staff

Forensic channel

Devices

OSINT channel

Internet

1. Retain familiar brands like EIS and SIENA
2. Provide self-service to MS/TP
3. Traditional messaging capability remains available
4. Proper authorisation services
5. IT systems transform into capability comprised of services
6. Introducing innovations through SMART services as part of a capability
7. The most generic services like logging and security created only once instead of per system
8. Specialized tools for capturing data through external channels feed data into the integrated data set
9. New parties, like PIUs and the ETIAS Central Unit, offered via Europol services

2

Filling the gaps in IM architecture

1. **Interoperability of EU information systems for security, border and migration management**
- Integration with SIS, VIS, Eurodac, Prum (?).
- European Search Portal.
- EES, PNR, ETIAS

2. SIENA Roadmap:
- New architecture based on MICROSERVICES (Docker).
- Multilevel Access: Restricted / Confidential / BPL
- User interface improvements

3. Search and Cross-check roadmap:
- QUEST: Contribution to European Search Portal
- ADEP: Search on decentrasiled databases

4. Redesign of Europol´s Analysis Capabilities.

5. SMART Platform -> Innovation-driven Capabilities
- Processing Pipeline Engine
- Entity Extraction (NLP based)
- Automated Cross-checking
- Automated FACE recognition (FACE)
- Automated Translation Services (ATS)

EUROPOL