TENSOR

Reliable biomeTric tEchNologies to asSist Police authorities in cOmbating terrorism and oRganized crime

TENSOR creates a complete platform for Police Authorities that facilitates biometric evidence extraction, sharing and storage environments allowing them to share best practices in an automated, robust, secure, privacy-preserving and scalable manner.

SUPPORT the forensic investigation through the provision of innovative biometric intelligence and insights

EXPLOIT further the potential of behavioural and physiological biometrics via emerging, privacy preserving and legally compliant technologies enabling the derivation of concrete and robust contextual evidence.

FACILITATE the secure cross-border exchange of biometric data through accountable and sovereign blockchain mechanism, while ensuring interoperability with different legacy systems.
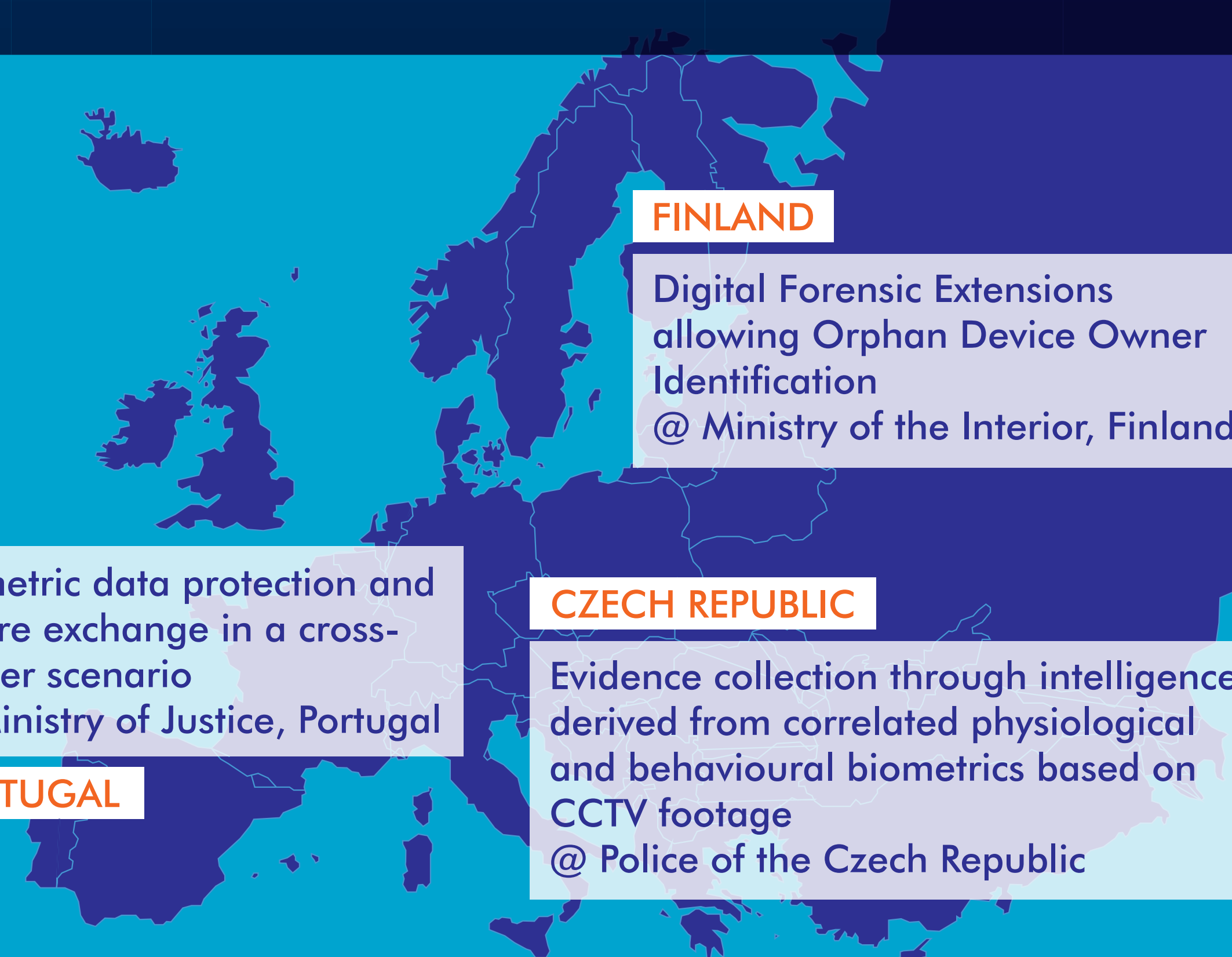
DEMONSTRATE and validate the effectiveness and accuracy of the proposed solutions in three complementary use cases in real settings with the active engagement of several LEAs and Forensic institutes accomplishing at the end of the project a TRL 7 for the entire platform.

ENSURE wide communication of the produced results and the efficient exploitation and business planning of the TENSOR concepts, processes and solutions facilitating their rapid uptake by relevant Police Authorities and Forensic Institutes.

TENSOR PILOTS

FINLAND
Digital Forensic Extensions allowing Orphan Device Owner Identification
@ Ministry of the Interior, Finland

Biometric data protection and secure exchange in a cross-border scenario
@ Ministry of Justice, Portugal

PORTUGAL

CZECH REPUBLIC
Evidence collection through intelligence derived from correlated physiological and behavioural biometrics based on CCTV footage
@ Police of the Czech Republic

TENSOR TECHNOLOGIES

Face and Person biometrics

Voice biometrics

Fingerprint biometrics

Gait biometrics

Behavioural biometrics

Distributed biometrics data sharing platform

Biometric Data Protection and Privacy

Large-scale Biometric Data Indexing and Privacy

Automation and Scalability of Identity, Intelligence and Investigation

Digital Forensics Extensions allowing Orphan Device Owner Identification

Responsible and Explainable AI for Fair and Unbiased Biometric Technologies

European Biometric Data Space

CONSORTIUM

Netcompany · PHONEXIA · IDEMIA · T3K.AI · FUJITSU · eticas · SQUAREDEV · quadible · ZITiS · IANUS TECHNOLOGIES

TUDelft · CERTH CENTRE FOR RESEARCH & TECHNOLOGY HELLAS · FORTH FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS · POLICIE ČESKÉ REPUBLIKY · Ministry of the Interior Finland · UBITECH ubiquitous solutions · Thridium The element of success. · CENTRIC Centre of Excellence in Terrorism, Resilience, Intelligence and Organised Crime Research

tensor-horizon.eu · info@tensor-horizon.eu · x.com/tensor_horizon · www.youtube.com/@tensor-horizon · www.linkedin.com/company/tensor-horizon/