

EU COMBATING CYBERCRIME FRAMEWORK

EMMANUEL KESSLER
HEAD OF TEAM
PREVENTION&OUTREACH

The image shows a close-up, low-angle view of a building facade. The word "EUROPOL" is written in large, white, stylized capital letters on a dark blue background. The letters are slightly tilted upwards. To the left of the text is a logo consisting of three horizontal bars of increasing length, colored in shades of blue and yellow. The building's facade is made of light-colored bricks or concrete blocks. The sky is a clear, pale blue.



Headquarters in
The Hague
The Netherlands



5
Europol Centres
Terrorism
Cybercrime
Migration
Financial crime
Operational analysis



257
Liaison officers from
52 EU MS and Third Parties
One of the largest network in the world



741
suspects arrested
in **2021**



1.5
million objects in
Europol Information
System (EIS)



2600
secure lines to
competent
authorities

A FRAMEWORK FOR COORDINATING MAJOR TRANSBORDER OPERATIONS AGAINST CYBERCRIME



EMPACT & ACTION DAYS

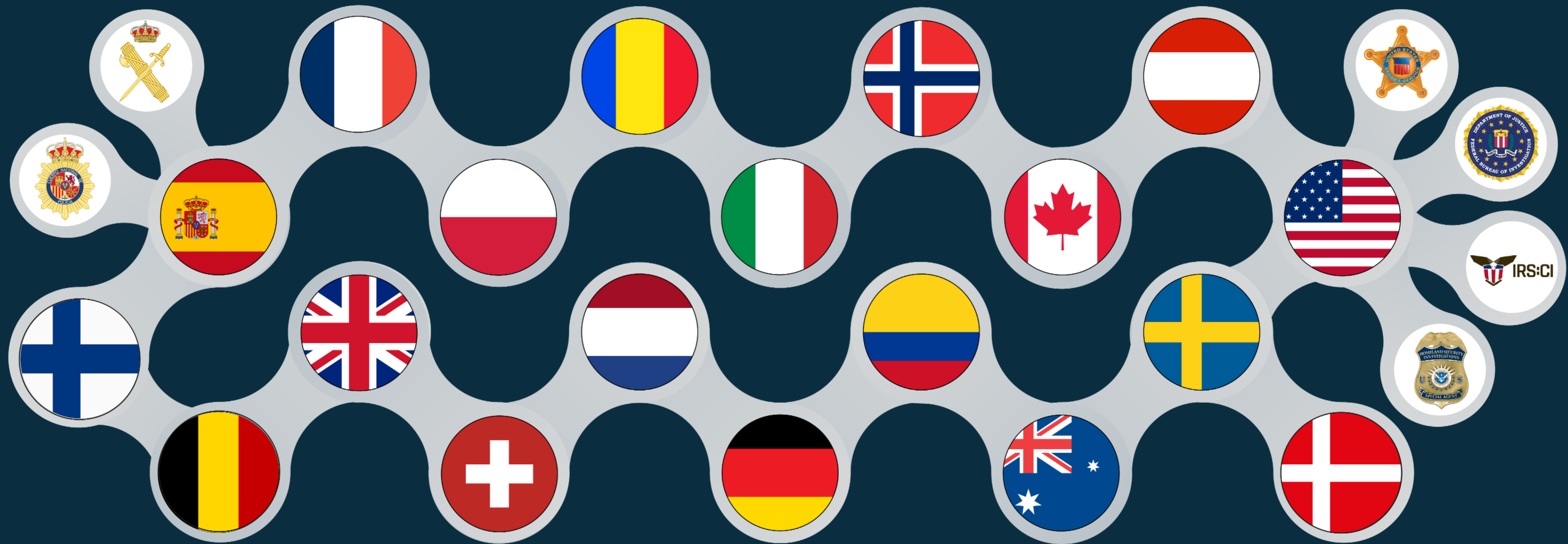


The Law Enforcement Emergency Protocol



THE JOINT CYBERCRIME ACTION TASK FORCE

Chair-Country: **Poland**
Vice-Chair-Country: **USSS**



23 Law Enforcement Agencies from
19 Countries (12 EU Member States, 7 Third Parties)

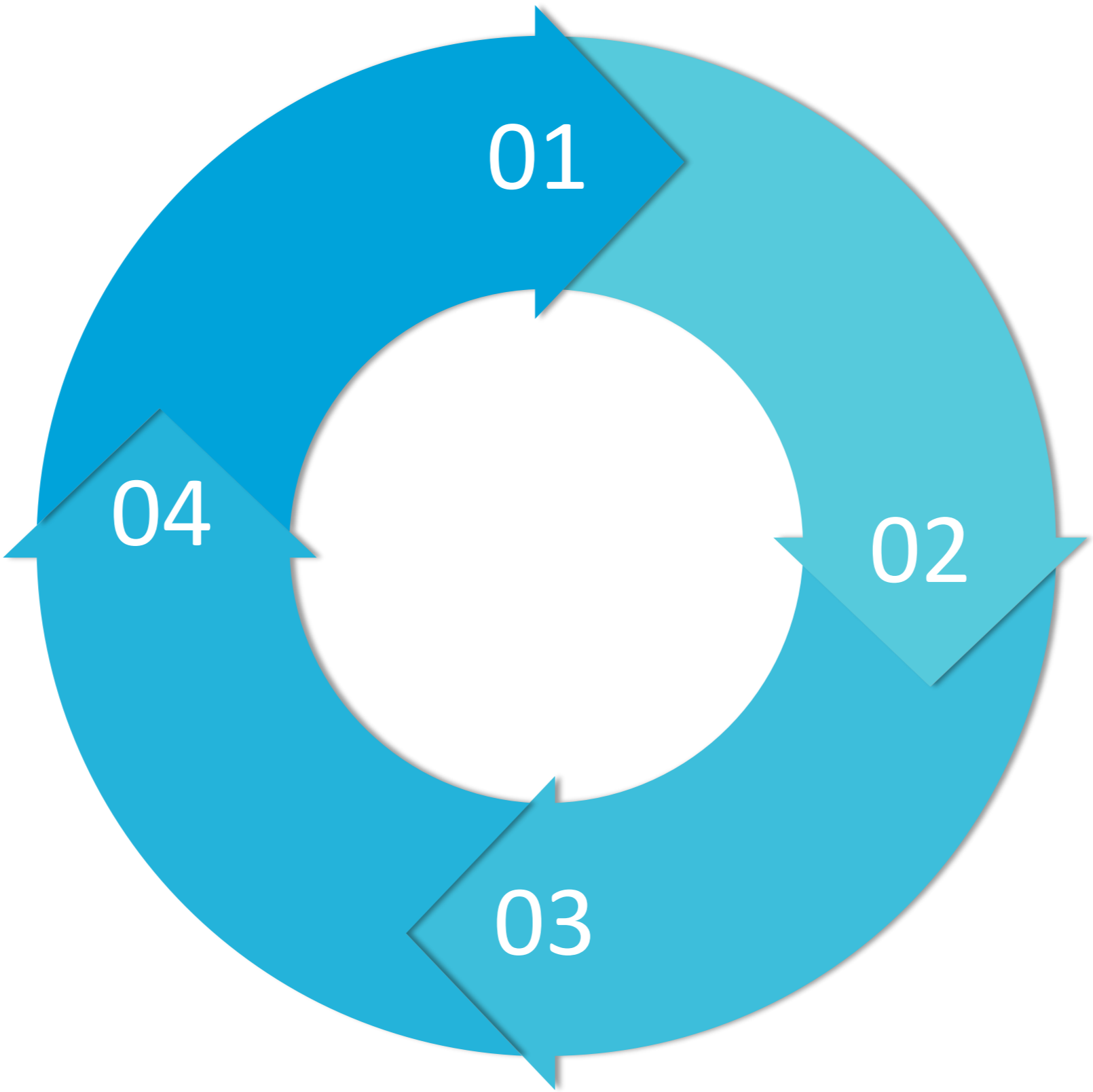
+

Europol's European Cybercrime Centre (EC3)

The Staged Operational Approach of the J-CAT

The J-CAT operational activities are in one of the following crime areas:

- ❖ Cyber-dependent crimes;
- ❖ Transnational payment fraud;
- ❖ Online child sexual exploitation;
- ❖ Cross-cutting cybercrime enablers incl. criminality on the Dark Web



- First Step**
Identification of cyber cases
- Second Step**
Preparation and de-confliction of prioritised cases
- Third Step**
Operational and investigative activities
- Fourth Step**
Judicial measures and/or follow-up operational actions

Which collaboration in J-CAT for Non-Taskforce Members ?

Full-Time Membership

All countries with operational cooperation agreements with Europol can apply for J-CAT full-time membership by submitting an application to the J-CAT Board

Support Membership

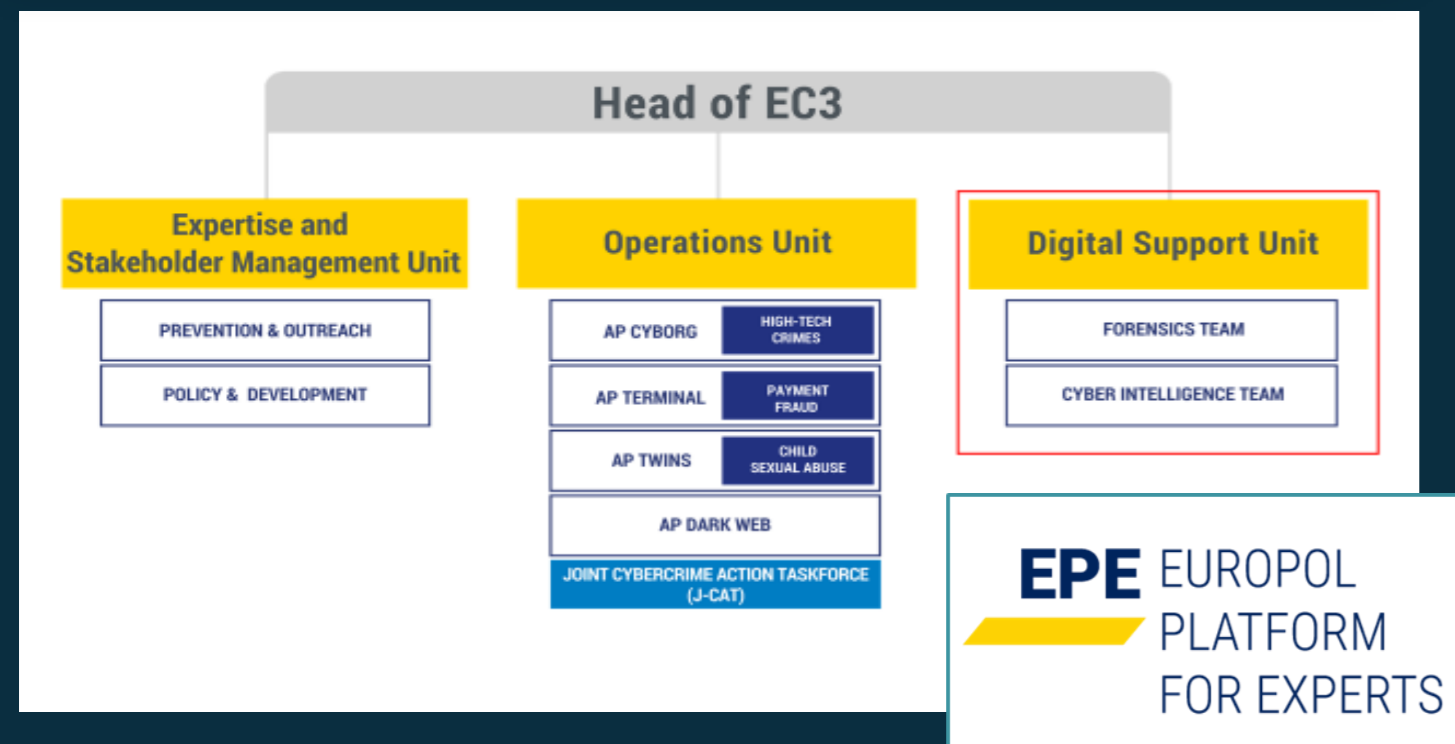
All countries with operational cooperation agreements with Europol can apply for J-CAT support membership by submitting an application to the J-CAT Board

Contributions

The J-CAT is open to operational contributions on a case-by-case basis from non-Taskforce member countries and non-law enforcement partners

WHICH CAPACITY BUILDING IN EUROPOL ?

WHICH CAPACITIES ?



European Counter Terrorism centre



WHICH CURRENT PARTNERS ?



INTERNATIONAL ORGANISATIONS



PRIVATE SECTOR



Save the date !... Next Europol Annual Cybercrime Conference
18-19 October 2023 in EUROPOL-THE HAGUE-NL



INNOVATION LAB

OBSERVATORY

EUROPOL
European Commission
Joint Research Centre

COSI

EU INNOVATION HUB FOR INTERNAL SECURITY



EUROPOL INNOVATION LAB

NETWORKS OF INNOVATORS

EU INNOVATION HUB



EUROPEAN CLEARING BOARD

PROJECTS

Horizon Europe



Horizon 2020 European Union Funding for Research & Innovation

STEERING GROUP



INNOVATION LAB OF
EUROPOL

**POLICY &
NETWORKS**

*academia, industry and
practitioners networks*

*coordinate innovation across
the internal security sector*



**INNOVATION
LAB**

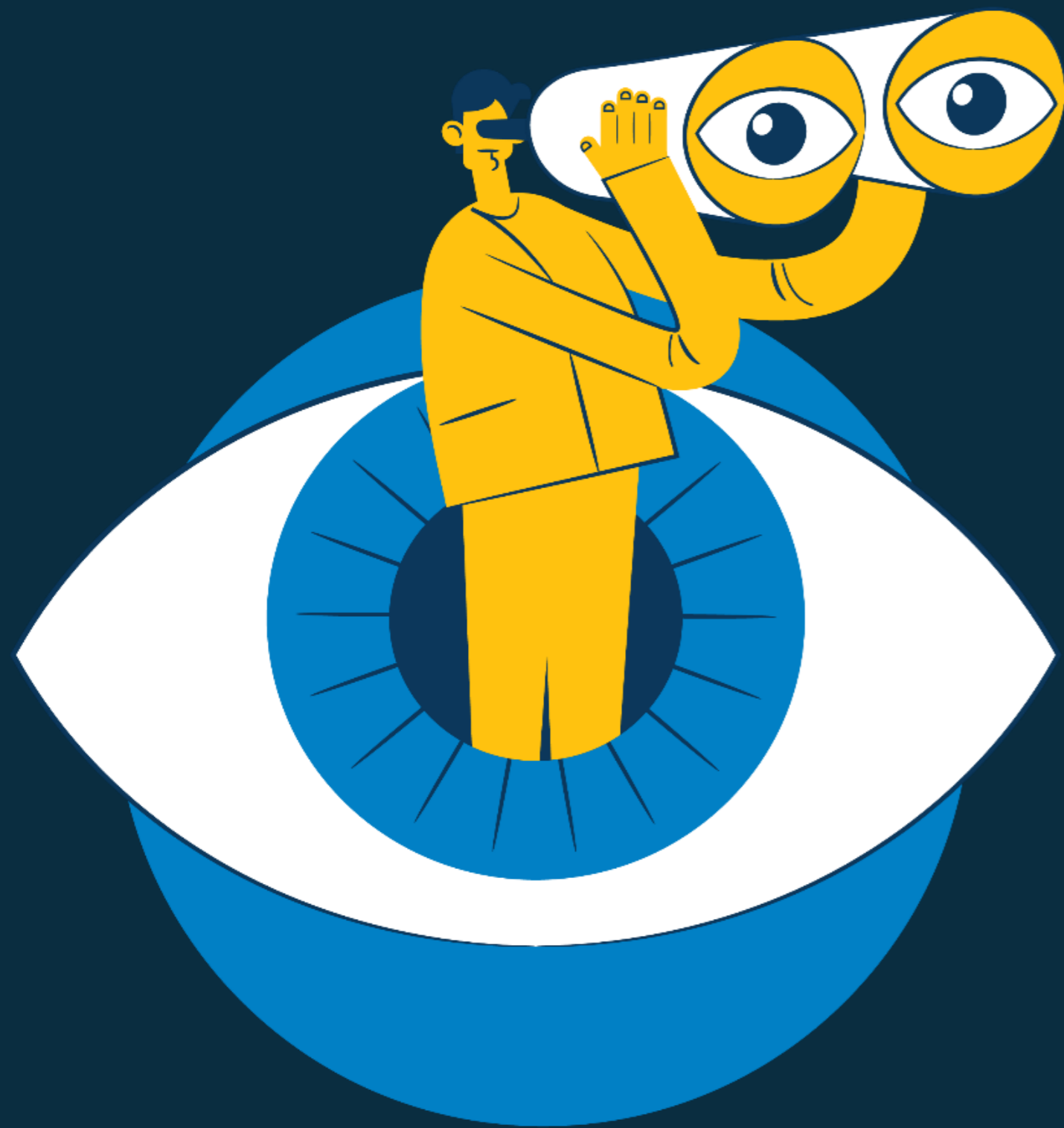
**PROJECTS
& TOOLS**

*co-creating innovative
tools and methods*

OBSERVATORY

*foresight and technology
monitoring*

Observatory activities currently covers

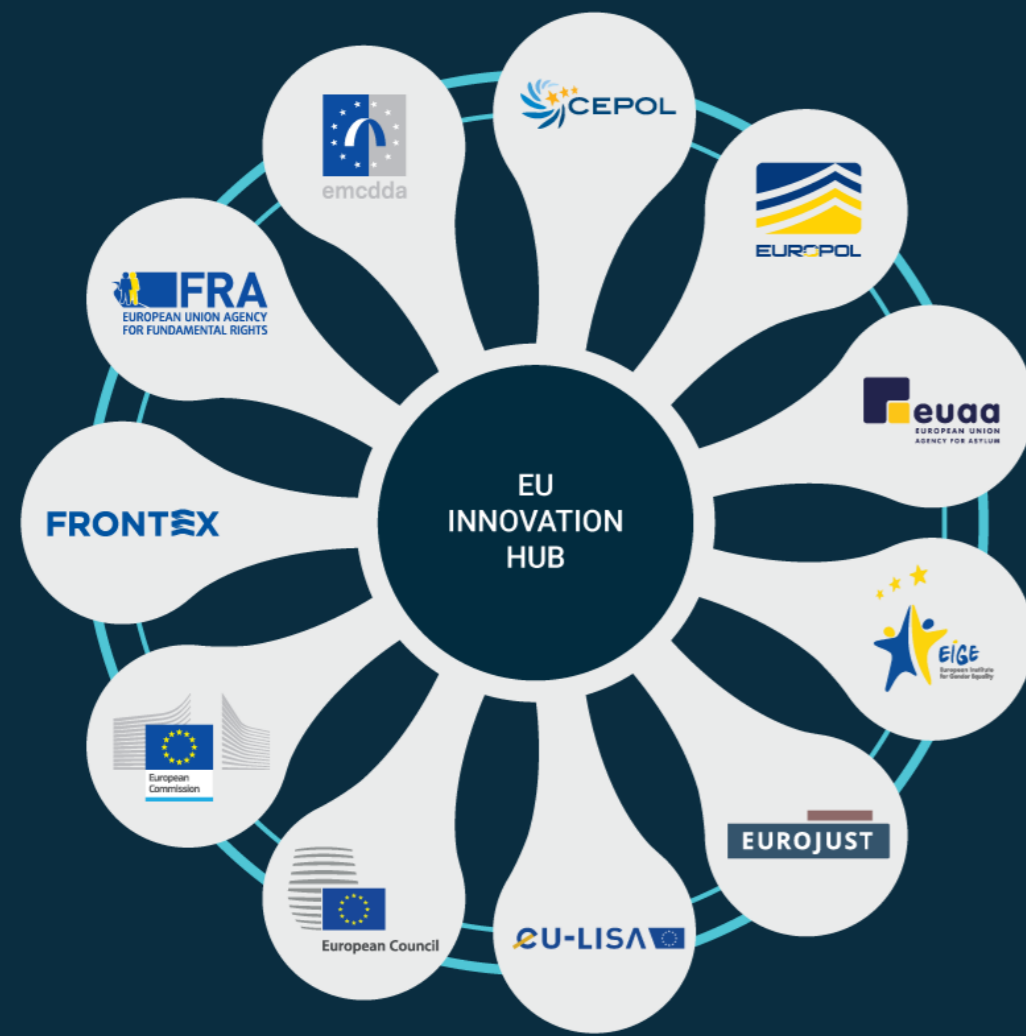


- + **AI Generative models**
- + **Quantum computing**
- + **AI biases**
- + **Multi-party Computing**
- + **Homomorphic encryption**
- + **Biometric vulnerabilities**
- + **Impact of LLMs on Europol**
- + ...

Policy&networks currently covers



EUROPEAN
CLEARING BOARD



EUROPOL

INNOVATION LAB

NETWORK OF
INNOVATORS

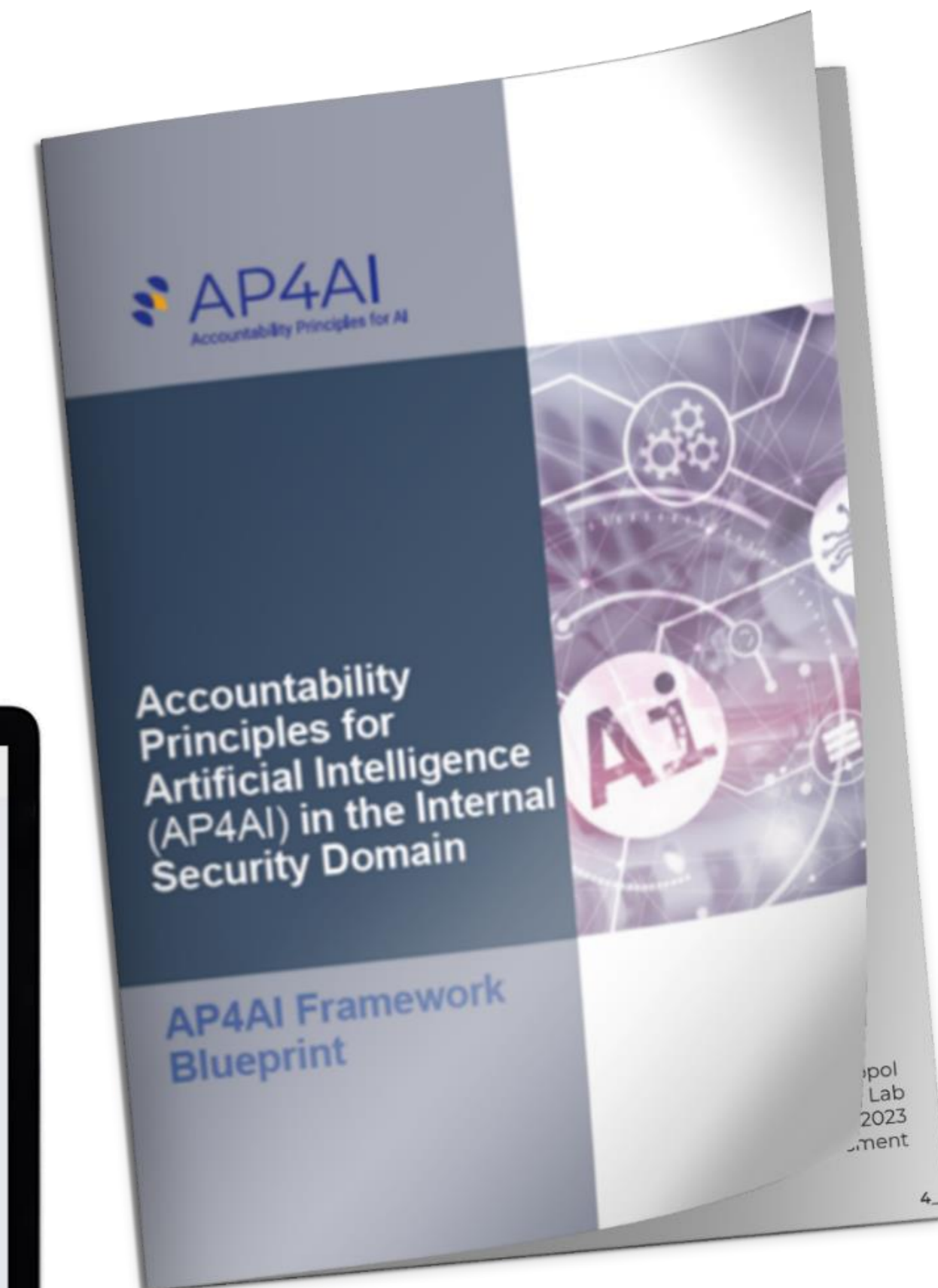
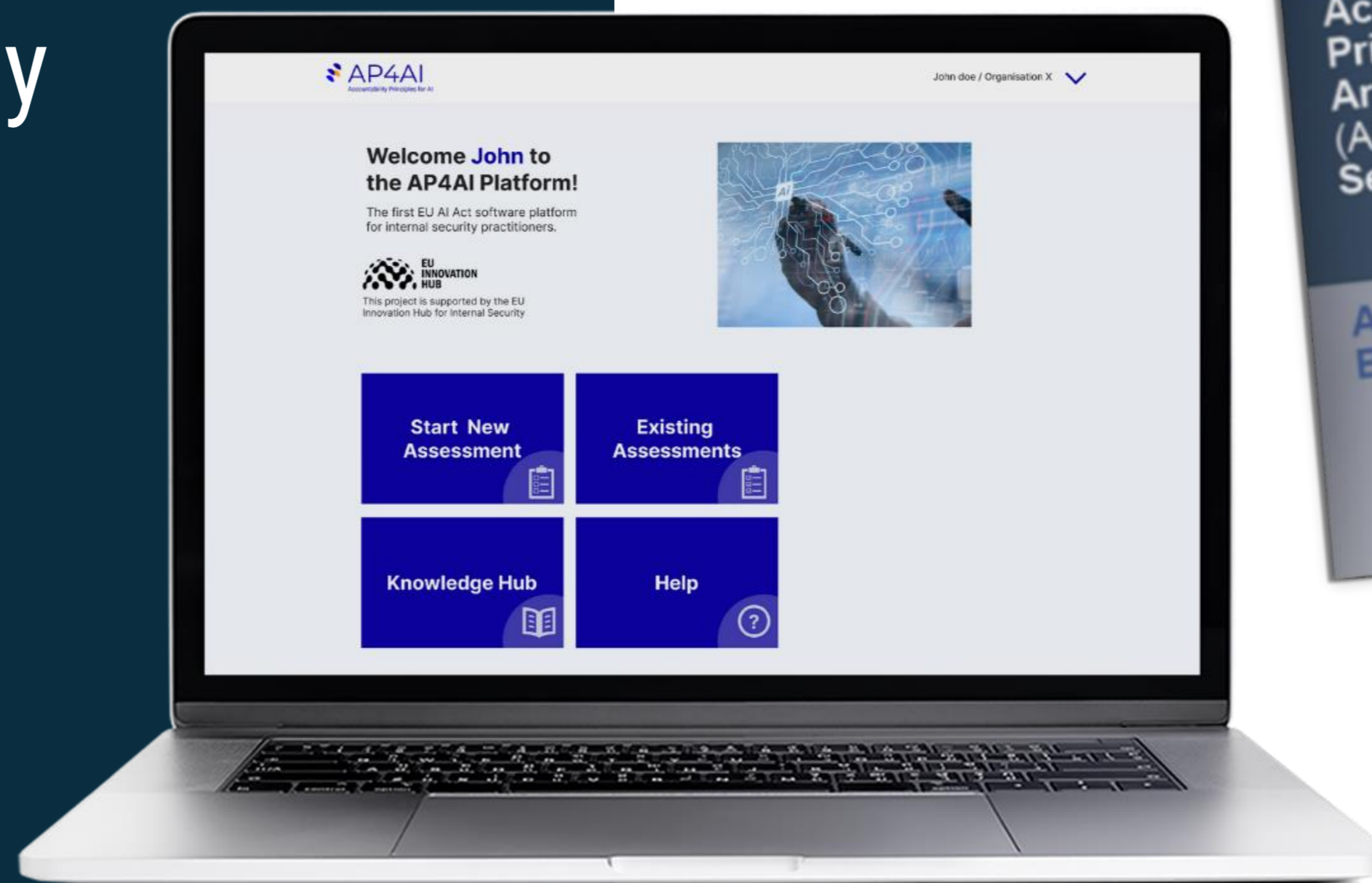


REQUESTS FOR
INFORMATION

Accountability Principles for AI

AP4AI

- + A practical toolkit
- + Supports AI accountability
- + Internal Security Domain
- + AP4AI Platform



Projects&tools currently covers

europol **tool wiki**



Wiki to access expert knowledge and assessments on existing tools used elsewhere.

europol **innovation grants**



Targeted financial support for co-creation of innovative tools

europol **code repository**



A secure collaborative development environment to facilitate LEA co-creation.

research & innovation **sandbox**



Develop and train algorithms on operational datasets

Article 33a ER
Coming up in 2023

europol **tool repository**



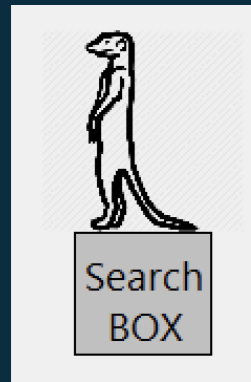
License-free tools ready for download. Share yours with other EU LEAs.

EUROPOL TOOL REPOSITORY

DATA ANALYSIS/PROCESSING



Automatic annotation, entity extractions



Search large volumes of files



Multilingual Neural Machine Translation

Machine translation for 100 languages

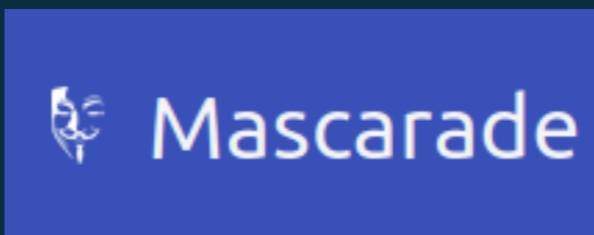
Panoptes

Classification of images

DATASETS

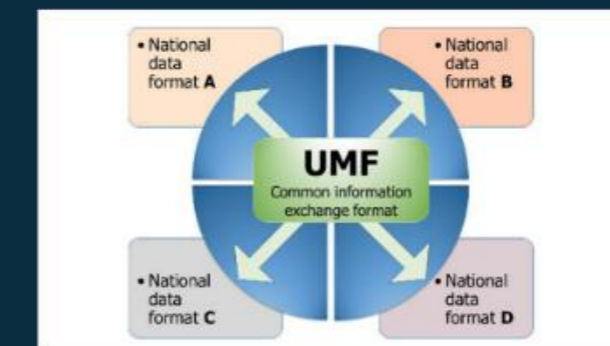


Easy creation of license plates dataset



Dataset anonymization

INTERNATIONAL COOPERATION



Visualise UMF data



Easy creation of SIENA messages

OSINT



Geolocation

PASSWORD CRACKING

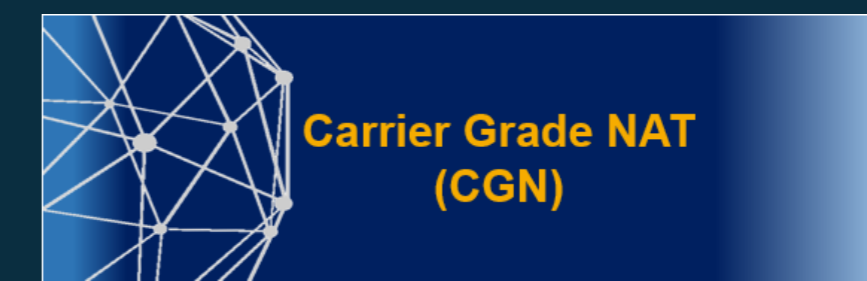


Dictionary generation



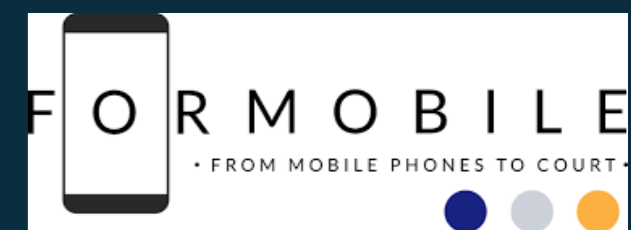
Find seed phrases

CYBER INVESTIGATIONS



Solve the CGN problem

DIGITAL FORENSIC



Read eMMC memory

MAIN AREAS OF CYBER TRAINING



Victim ID
Managing child sex offenders
Undercover operations

Windows Forensics
MAC Forensics
Live Data Forensics
Electronic Evidence

Child Sexual Exploitation

Digital Forensics

Cyber

Artificial Intelligence

Influence of modern technology on cybercrime

Online Fraud Schemes

Cyber attacks

Malware Analysis
Open-Source Intelligence
Cyber Intelligence

Investment Fraud
BEC / CEO Fraud

...More on WWW.CEPOL.EUROPA.EU



ECTEG

European Cybercrime
Training and
Education Group

...More on WWW.ECTEG.EU

Marcin Bednarz
ECTEG Chair

WWW.ECTEG.EU



Funded by
the European Union

Questions, remarks, feedback ?

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The Europol logo, featuring a stylized blue and yellow wave icon to the left of the word "EUROPOL" in a bold, blue, sans-serif font. The logo is centered within a white circular graphic that has a faint background image of a building facade and is connected to the text above by thin white curved lines.

EUROPOL

www.europol.europa.eu

