

## i-LEAD Project Innovation - Law Enforcement Agency's dialogue

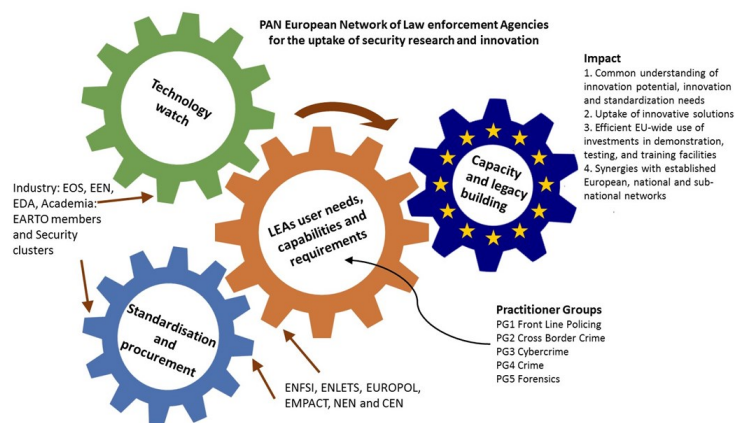
i-LEAD will build the capacity to monitor the security research and technology market in order to improve a better understanding of the security research and technology market in order to improve matching and uptake of innovation by law enforcement agencies with the overarching aim to make it a sustainable Pan-European LEA network.



i-LEAD's focus is on working with groups of operational Law Enforcement Agencies (LEA) practitioners in defining their user needs and innovative solutions. This will be carried out using a structured methodology, with the assistance of the research & industrial partners supplemented by a broad range of committed stakeholders. i-LEAD will build the capacity to monitor the security research and technology market in order to improve matching and uptake of innovation by law enforcement agencies with the overarching aim of developing a sustainable Pan-European LEA network. We will disseminate our outputs to ENLETS and ENFSI members which will enable them to implement the actions from this research. i-LEAD will identify priorities in five practitioner themes as well as topics that would benefit from (more) standardization and formulate recommendations how to incorporate these in procedures. As a final step, i-LEAD will make recommendations to LEA members on how to use Pre-Commercial Procurement (PCP) and Public Procurement of Innovation (PPI) instruments.

## i-LEAD Concept

The major elements are represented by cog-wheels that need to be turned from its current to its targeted position. The central LEA user needs cogwheel represents the heart and major driving force of the network and is based on five practitioner themes. Each practitioner group will define the current situation with regard to the use of technology by law enforcement, assess the baseline capacities through competency mapping, identify capability gaps and opportunities for innovation, define priority areas for enhancing performance through innovative methods and identify potential areas for standardization at EU level. The practitioner groups will strongly interact with existing networks and bodies such as ENLETS, ENFSI and EUROPOL.



The data regarding baseline, gaps, opportunities and needs in technology, and capacity of LEAs are the input and drivers of the Technology Watch cog-wheel. Here, a technology market watch, e.g. scanning of pipe-line technology by operational partnerships with industry and other security domains and a research & innovation watch, e.g. scanning past and running research and innovation projects (FP7, H2020, ISF/ISEC) are performed.

The outcome of the user needs, capabilities and requirements of the practitioner groups of the LEAs are also the input and one of the drivers of the standardisation and procurement cog-wheel. Here, recommendations for the development of common standards will be drafted by LEAs in conjunction with industry and supervised by partner NEN and relevant stakeholders such as CEN. Common standards and procedures will allow LEAs in different European countries to improve their capabilities and efficiency (e.g. in detection of crime and offenders, in securing evidential information) and to strengthen the international cooperation in their day-to-day operations. Another aspect is to align procedures related to pre-commercial procurement (PCP) and public procurement of innovative solutions (PPI) projects.

The capacity and legacy cog-wheel is the last stepping stone towards a permanent Pan European Network of Law Enforcement Agencies dedicated to implementing security research and innovation. Here, databases on experts, capacities, (test and training) facilities, knowledge, experience and technologies and information sharing systems are developed and managed. Capacity building will take place by peer to peer networking using i-LEAD experts and pooling of resources from the repository. The uptake of technology innovations will be facilitated by open call for ideas, annual industry days, the permanent information sharing platform and a front office providing on-demand services and advice. Finally, a plan will be prepared for creating a permanent collaboration body (network) for LEAs dedicated to the uptake of security research and innovation.



# Practitioners Groups

i-LEAD for first time, will bring together on strategic level, law enforcement practitioners' representatives, from across all member states, to consider how technology and innovation can improve public safety across Europe.

Representatives will be invited to become part of a community network, which will comprise of a set of i-LEAD Practitioners' Groups (PG's) covering the following five key areas of law enforcement.

## Front Line Policing - UK

The majority of police officers across Europe fall into this category and they cover a vast range of disciplines. Communication is vital within and between these fields of work, and there is a wide range of technology presently being utilized: from that of small portable hand held devices all the way through to the vehicles in which they travel. With this vast array of technologies comes significant opportunities to innovate in these areas and through collaborative action and the i-LEAD project a more effective response to the challenges faced by policing will be enabled.

## Cross Border Crime – Spain

The nature of open borders within Europe can bring enormous benefits and opportunities to all citizens, however, this also facilitates criminality across national boundaries. These challenges are articulated in the EMPACT priorities coordinated by the member states and supported by Europol and cover areas such as; Firearms; Human Trafficking; Child Sexual Exploitation and Drugs. The application of technological solutions to address these priorities is critical in the fight against organized cross border criminality.

## Cybercrime - Netherlands

Cybercrime enables criminality and illegal trading via the open, deep and dark web due to the accessibility of the world-wide web and its continual proliferation impacts upon people's daily life and work situations. This topic will impact on all PG's and the work undertaken will require member states to define the baselines and tools they have for scanning and detecting crime on the web, more importantly

the dark web. Dark web trading is dependent on the exchange of virtual currency and encryption methods and so these two subject areas will be heavily interrogated, as they are of the utmost importance in determining crime fighting solutions. As law enforcement is fighting locally, globally enabled cybercrime, this PG will share experiences, good working practices and will define useful solutions.

## Crime & Intelligence - Romania

The purpose of this group will be to provide a forum to bring together practitioners involved in the capture and analysis of information and investigation of criminal activity. This will involve the two key components of intelligence and investigation.

1). Intelligence: With the explosion of on-line activity e.g. social media; police are now harnessing the dearth of information available in this space. However, this in itself brings about a new cluster of challenges; the management, filtering, collation, analysis and interpretation of such a huge amount of information. Analytical tools are available that can assist, but there is no mechanism in place that advises law enforcement agencies across Europe on whether or not they are fit for purpose, nor is there any advice on required standards or associated good working practices. This PG will investigate the range of disciplines that contribute towards providing intelligence through a wide range of sources and examine and consider where technology and innovation can play a role.

2). Investigation: Due to technology, the nature of crime is changing, and more and more investigators have to deal with, technology assisted crime, in which the technology is used as a tool to commit crime, and technology dependent crime, in which activity only occurs because the technology exists. This situation is facilitating increasing opportunities for innovative technological solutions to play a



leading role in investigative areas such as; Digital Forensics; Biometric Identification and Data Analytics. The focus of this group will be to bring investigators together to consider the most significant challenges faced when investigating crime.

## Forensics - Belgium

Without question, forensics plays one of the most significant and important roles in keeping the citizens of Europe safe. The use of assured scientific techniques ensures that law enforcement has access to the most up to date scientific and technologically sound methods. The majority of criminal cases in the courts will have some form of forensic evidence associated with it, and courts rely heavily on utilising reliable information of this nature. This PG will link directly into the European Network of Forensic Science Institutes (ENFSI) to bridge the gap between the scientist and the end users of their services.



YEAR	PRACTIONER GROUPS and TOPICS				
	Front Line Policing (PG 1) UK	Cross Border (PG 2) Spain	Cybercrime (PG 3) Netherlands	Crime (PG 4) Romania	Forensics (PG 5) Belgium
1	Mobility for officers 20 <sup>th</sup> – 21 <sup>st</sup> February 2018	People trafficking 14 <sup>th</sup> – 15 <sup>th</sup> March 2018	OSINT 17 <sup>th</sup> – 18 <sup>th</sup> January 2018	Intelligence analysis 14 <sup>th</sup> – 15 <sup>th</sup> June 2018	Emerging DNA tech- nologies 20 <sup>th</sup> – 21 <sup>st</sup> September 2018
2	Public order	Drugs	Financial Inv & Vir- tual currencies	Digital investigations	Digital forensics
3	UAV's	Firearms crime	Cyber extortion	Signal Intelligence	Crime Scene Real time
4	Technology in vehi- cles	Child sexual ex- ploitation	Biometric verifica- tion	Surveillance	Future individualisa- tion techniques
5	Police use of firearms	Counterfeit goods	Credit card fraud	Crime prevention	Drug analysis NPS

## i-LEAD Objectives

### Objective 1

#### Form a Law Enforcement Network across Europe

It is important to establish the conditions for a sustainable permanent cooperation structure, preferably in a legal entity representing European LEA based on the insights and mechanisms developed in the project.

### Objective 2

#### Express common requirements that can fill capability and operational gaps

We will identify, categorize and prioritize capability gaps, the current situation regarding the baseline capabilities and the use of technology in the respective law enforcement practitioner groups.

### Objective 3

#### Monitor research and innovation

i-LEAD will conduct smart monitoring of relevant research and innovation

projects and technology watching, and scanning of pipe-line technology including also other security domains (eg defence and intelligence). We will also provide assessment, selection and routing of promising technologies to LEAs in the Member States.

### Objective 4

#### Indicate priorities for standardization and policy recommendations

It is of outmost importance to create the condition for defining needs for standardization in Law Enforcement domains. We will make recommendations for LEA's procurement based on the scanned technology and PCP and PPI.

### Objective 5

#### Create conditions for better interaction with industry, research and academia

i-LEAD will set up community forums for knowledge exchange between the project and EU LEAs, research community, industry and Academia.

### Objective 6

#### Capacity building and knowledge exchange

We will build and maintain project repositories for knowledge exchange and provide a pool of resources to support relevant activities. Our i-LEAD front office will be the gateway for interaction with external partners in Europe by enabling peer to peer exchanges, answering questions on LEA innovation needs and providing expert advice.

### Objective 7

#### Disseminate results and interact with other related networks

We will establish links with other European Networks and missions in associated fields of interests and disseminate project results to an extended audience across Europe.



## Upcoming Events

- ♦ 20th – 21st February 2018 Mobility for Officers - Workshop Frontline Policing, U.K.
- ♦ 14th – 15th March 2018 People trafficking - Workshop Cross Border Crime, Spain
- ♦ 14th – 15th June 2018 Intelligence analysis - Workshop Crime & Intelligence, Romania

<http://www.i-lead.eu>

