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Abstract:
LETSCROWD devotes Work Package 7 to high-impact dissemination and exploitation activities. This document (D7.1 "Dissemination and communication plan and strategy") presents the preliminary planning of activities to be undertaken by the consortium towards the effective dissemination and communication of key LETSCROWD results. This work includes the coordination of all actions and initiatives undertaken by the partners in order to maximise the visibility of LETSCROWD scientific accomplishments, targeting the scientific community, the general public and the relevant Law Enforcement Agencies (LEAs). It also includes a short report of dissemination activities under organisation or already performed.

Keywords:
Dissemination, Communication, Work Package 7, Digital presence, Dissemination Plan

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More information available at <https://letscrowd.eu>

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1 INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

In this document we describe the first version of the “Dissemination and communication plan” of the LETSCROWD Project.

According to the European Commission, *“By definition, the Plan for the Exploitation and Dissemination of Results is a document which summarises the beneficiaries’ strategy and concrete actions related to the protection, dissemination and exploitation of the project results”*. (1)

Consequently, we propose a list of possible targets to which the research products must be disseminate in this report. At the same time, we indicate a set of possible actions which can be performed in order to reach such targets.

The consortium members are fully aware that the topics studied by LETSCROWD are extremely challenging in the world of crowd protection and security. Europe has suffered many criminal actions and terrorist attacks during mass gatherings, which had great impact on the citizens and the society, in the last few years. LEAs must face this new scenario (it is considered a priority by the European Union), which imposes a multitude of heterogeneous challenges: the whole security community, all around the globe is still struggling on which are the best solutions to mitigate the problems of security during mass gatherings with the necessary balance between protection and rights of citizens. The partners have therefore the intention to put a special attention to the dissemination efforts of the project in order to maximize the impact of the project not only at the research level but also to effectively produce policies and deploy adequate solutions available for Law Enforcement Agencies (LEAs). In a different way also the general public will be informed about the project’s activities and events, through a LETSCROWD digital presence (official website, Twitter channel, Linkedin channel).

The objective is to maximise the visibility, credibility and impact of the project. To ensure that the project outputs will be further used and evolved, LETSCROWD outcomes will be disseminated to a wide set of stakeholders: this task will be facilitated by the large network of the project’s coordinator, as well as other partners.

This planning consists in defining what will be disseminated, where, when and by whom. The evaluation criteria will be based on quantities (number of publications, number of attendees....) but most important it will be qualitative (level of the conference, quality of the feedback obtained, and profile of persons contacted).

In order to design an effective dissemination plan, we followed the main guidelines suggested by several EU education and culture programs:

- clear rationale for and objectives of dissemination and exploitation;
- strategy identifying which results to disseminate and to which audiences – and designing programs and initiatives accordingly;
- identification of organizational approaches of the different stakeholders and allocation of responsibilities and resources;
- implementation of the strategy by identifying and gathering results, and execution of dissemination and exploitation activities;
- monitoring and evaluation of the effects of the activities.

During the project’s Kick-Off meeting (May 11-12, 2017, Valencia), a presentation of the **Dissemination, standardisation, training and exploitation** (WP7) activities was delivered by the partners UNICA and ETRA. The scope and goals of WP7 were identified and the main timeline of WP7 activities was discussed among

the consortium members, thus providing an early overview of the adopted dissemination and communication strategy that is herein presented. During the Kick-Off meeting, the consortium members agreed on a reporting process for dissemination and exploitation activities. This process included the preliminary reporting of activities in a standard input form available to partners.

The activities completed by the consortium will be reported within the *Dissemination and communication plan and strategy and activities* reports (D7.2 and D7.3 respectively), which will be delivered at M12 and at M24, and within the *Final report on dissemination and communication activities* (D7.7, M30).

1.2 STRUCTURE OF THE DOCUMENT

This document is structured as follows:

- **Chapter 1** provides an introduction to the context of dissemination and communication activities and states the purpose of this document.
- **Chapter 2** describes the main targets involved in the dissemination plan and an overview of activities under evaluation to ensure the visibility of LETSCROWD, including the description of the target-action connection, the participation of all the partners to overall dissemination and communication activities, with a focus on training events and scientific actions. It includes an overview on the open access policy and on the intellectual property management process that typically govern the publication of research results; the end of the chapter also provides a preliminary list of journals that may be considered as publication targets for the publication of LETSCROWD research results.
- **Chapter 3** focuses on the work done so far, from the kick-off meeting of the project (Valencia, May 11-12) to the present day (M5 of the project), including a description of events and material produced. The chapter gives also an overview of activities undertaken to ensure that LETSCROWD has a continuing media coverage and digital presence, through the construction of the project Website and Social Networking accounts.
- **Chapter 4** provides a conclusion of the document introducing the next documents dedicated to the dissemination plan, strategy and report.

The document also includes three ANNEXES dedicated to the dissemination material already produced.

2 DISSEMINATION ACTIVITIES AND TARGETS

In this section we focus on the possible targets, in terms of public and private institutions, LEAs, stakeholders, end-users, which may take advantage from news and research products of the LETSCROWD project.

2.1 TARGETS

LETSCROWD is supported by an extensive consortium throughout Europe. Consortium members have gained significant expertise in the areas of i) prevention and detection of anomalous human behaviour ii) risk assessment methodologies (focusing on the technical, ethical and criminological aspects), both in research (including EU-funded research) and in commercial activities iii) text analysis, image processing and intelligent video-surveillance based on biometrics iv) mitigation of crime and cyber-crime, terrorism and cyber-terrorism. Several targets are taken into consideration:

- **(A) Government and LEAs.** In particular, those government institutions directly involved in security issues, as law enforcement agencies, judicial authority and administrative offices. These institutions may be at different levels: local, national, and international. A specific task is dedicated to **LEAs training and involvement** (T7.2, see the next paragraph).
- **(B) Private and public companies,** involved in adopting or creating novel solutions for i) crowd modelling, monitoring and protection, ii) behaviour prediction based on human factor studies and on semantic analysis of text found in social networks and web, iii) citizens' security, iv) ambient intelligence and video-surveillance. A specific task is dedicated to this purpose and **to this set of stakeholders** (T7.3, see the next paragraph).
- **(C) Crowd (Citizens).** Due to the large echo of sad episodes that interested the failure of crowd's protection during mass gatherings, this project will ensure a proper communication of the project's objectives to the general public, raising awareness around this theme. The consortium will properly appoint the EU funding during each communication and dissemination activity. LETSCROWD will reach this audience through events or project's official digital channels, highlighting current or past episodes during which the project's proposed approach could be or could have been useful and explaining how. The project will pursue this goal following the approach "From the crowd, for the crowd, to the crowd".
- **(D) Research community.** In particular, those public and private institutions involved in i) research against crime and cybercrime, terrorism and cyberterrorism ii) crowd management, human factor and resilient societies iii) pattern recognition, real-time people tracking and detection, text analysis based on semantics, image processing. This audience will be reached through **scientific publications** and with the participation to conferences and workshops, and the organisation of summer schools and other scientific events. **The consortium itself will organise three workshops/networking events** to which, researchers, companies, government bodies, decision makers, (in general all the relevant stakeholders) will be invited. Workshops will also facilitate the creation of synergies between current running EU research projects, improving the coordination of LETSCROWD's results with European and national efforts. The evaluation criteria to reach this goal will be based on quantities (number of publications, number of attendees...) and on qualitative standards (level of the conference, quality of the feedback obtained, and profile of persons contacted).

2.2 TARGET-ACTION CONNECTION: THE ABCD STRATEGY

According to the declared targets, the project's dissemination will be divided in four main blocks following an ideal LETSCROWD's "ABCD" strategy, as represented in the figure shown in the following page. The blocks are sometimes extremely related each other so they represent an ideal separation of activities.



FIGURE 1 – ABCD Strategy

The **Block A** includes those activities dedicated to spread the project's results to LEAs and government institutions. In particular, a specific task (**T7.2 Training Package for crowd protection based on human factors**) will be focused on creation of **training methodologies** and **training materials**. LETSCROWD will develop a training package for LEAs and other stakeholders (such as venous security personnel) for enhancement of capabilities of the human factor as a "security sensor". Such capabilities will include techniques to identify suspicious activities, guidelines to immediate emergency response, identification and reaction to suspicious items and other suspicious patterns. The final output of this block of activities will consist in the release of the deliverables **D7.3 Training Package for crowd protection based on human factors Version 1** (report, it be delivered at M26) and **D7.6 Training Package for crowd protection based on human factors - Demonstrator** (demonstrator, M26).

The **Block B** comprises activities and demonstrations dedicated at involving technology partners. It includes activities related to communications, cooperation and on-going exchanges with related research efforts,

including **liaisons with EU-funded research projects** and networks of excellence, as well as research initiatives going beyond European boundaries (in the USA and Asia in particular). LETS-CROWD will operate in a competitive and fast-paced field with several players working on similar problems, and hence will benefit from adoption of standards to generate economy of scale and agreement on implementations. Therefore, the main objective of this task is to promote and coordinate the creation, in a fast, flexible and trend-setting way, of guidelines and standards related to the LETS-CROWD project, through close collaboration between the project technology partners and policy makers. The task **7.3 Liaison, standardization and regulation activities (including management of the International Cooperation Board)** is partially dedicated to these activities (it includes the organisation of Workshops, relevant also for Block D).

The **Block C** focuses on the communication of the project news and events to a **general public**. These activities focus also on creating and maintaining a **digital presence** for LETSCROWD in the World Wide Web, through a dynamic and interactive website already online at the moment of the release of this document (<http://letscrowd.eu>, see paragraph 3.2.1 for details). The digital presence will also be ensured through two social networking channels dedicated to the project and already active: the LETSCROWD Twitter profile (<https://twitter.com/LetsCrowd>) and its LinkedIn page (<https://www.linkedin.com/in/lets-crowd-project>). The block C regards also the production of **press releases** and the divulgation of activities to newspapers, radio and TV channels, and focuses on **raising public awareness** on the project's issues. All the existing channels of communication and activities of the consortium will be used. Such examples are: existing newsletters, social networking accounts of the partners, partner blogs and websites, training and educational activities. By efficiently taking advantage of these existing capabilities, the project's visibility to the public will be maximized with minimum effort. Dissemination material will be produced within this block of activities in the form of conventional and multimedia content.

The **Block D** is mainly dedicated to support the publication of scientific articles, in the form of Conference Proceedings and in international, peer-reviewed journals, to evaluate the opportunity of presenting the project to workshops and conferences, or other academic events (courses, seminars, schools). It will be organised a minimum of **three workshops** around the International Cooperation Board with researchers, LEAs, security practitioners, policy makers, and legislation and standardisation bodies to ensure that end-users are actively involved in the project during the project lifetime to provide requirements, assess the impact of the key outcomes, and give relevant feedbacks to refine the project results. The workshops will also be a venue to present and disseminate project results among the key stakeholders. The **first two workshops are scheduled to be held at the middle of the project**, when first results are available. The **final workshop will be held towards the end of the project** to present the final results to a broad community of LEAs, security practitioners, policy makers and standardisation bodies. For these events professional booklets will be produced that will contain summarised research output tailored to suit the above mentioned audience.

2.3 CONTRIBUTION OF THE PARTNERS TO THE OVERALL DISSEMINATION ACTIVITIES

Each partner will contribute to this strategy according to their possibilities, capabilities and characteristics. The following table summarizes the participation of the partners to the overall dissemination.

Block		Dissemination activities
ETRA	A	Involve in the interest group and/or advisory board the LEAs that form part of ETRA commercial contacts. ETRA has direct contacts with security authorities in 200 cities from 12 different countries.
	B	ETRA, as large industrial group with strong presence in Europe and Latin America, has relationships with public administrations in Spain, Portugal, Belgium, Poland, Bulgaria, Brazil, Peru, El Salvador, Colombia and Mexico. ETRA plans to disseminate the results first to this referenced target group.

	C	ETRA will disseminate results as well through its web page, and social media, especially in LinkedIn: https://www.linkedin.com/company/etra , https://www.facebook.com/ETRA.nntt and https://twitter.com/ETRA_nntt ETRA will include LETS-CROWD information also in the open workshops that regularly arrange among its customers.
	D	ETRA will publish research papers in conferences where it is well established, mainly in the field of Smart Cities and Security.
ADM	A	Disseminate LETS-CROWD among LEAs which has formal cooperation with ADM, these include a high number of Spanish and several European LEAs.
	C	ADM will add LETS-CROWD results to the dissemination plans in place to communicate with the general public.
	D	ADM will support technological project partners in finding the main challenges faced by LEAs nowadays in the protection of crowds during mass gatherings and provide feedback to the research results.
BayFHVR	A	BayFHVR will disseminate the results to Bavarian Governmental agencies and LEAs
	D	BayFHVR participates in major LEAs research related conference where it is planned to publish papers with the outcomes of the project
CROWD	A	Present to and involve in the interest group and/or advisory board local UK LEAs that are directly involved with dealing with events and mass gatherings.
	B	Demonstrate LETS-CROWD to the crowd modelling and crowd security community, whom CROWD is frequently in contact through existing client base, and research groups.
	C	Use of CROWD website to disseminate information related to LETS-CROWD. Disseminate through social media channels, https://www.linkedin.com/company/crowddynamics along with groups posts and twitter posts.
	D	Publish research papers in conferences, in fields of pedestrian and evacuation dynamics, human behaviour, technology for security and emergency management.
DBLUE	A	Invite local LEAs and other government authorities (e.g., municipalities, ministries and judiciary) to project related events.
	B	Demonstrate LETS-CROWD results to public and private companies in the Transport domain interested in Security (e.g., Airport Management Organisations, Air Navigation Service Providers, National Railways Operators, Maritime Shipping Operators, Aviation and Railways Manufacturing Industries, Technology Providers, Civil Aviation Authorities and Transport Safety Agencies, etc.). Demonstrate LETS-CROWD results to public and private companies in the Security domain. Support the organisation of the LETS-CROWD Workshops.
	C	Disseminate LETS-CROWD related information via DBLUE web-site. Disseminate LETS-CROWD related information via DBLUE social media channels: https://www.linkedin.com/company/deep-blue-s-r-l https://twitter.com/dblue_it https://medium.com/@DBLue

		<p>Write and publish newspapers and blog articles about LETSS_CROWD –related issues.</p> <p>Organise communication events dedicated to the General Public (e.g., Scientific Cafes, ...).</p>
	D	Invite local LEAs and other government authorities (e.g., municipalities, ministries and judiciary) to project related events.
EENA	A	<p>Present LETS-CROWD to LEAs from EENA’s Emergency Services Staff Network (currently +1350 ESSN members from 83 countries) and the Advisory Board. Invite participants from EENA’s networks to events where LETS-CROWD will be present.</p> <p>Provide the opportunity to present a demonstration of the project during the annual EENA conference (EENA Conf 2018 will take place on 25-27 April 2018 in Ljubljana - Slovenia).</p>
	B	Disseminate information about the project to industrial stakeholders from EENA’s networks (currently 86 vendor companies).
	C	<p>Promote information about the project in EENA’s newsletter, website (http://www.eena.org/pages/eu-projects#.WXsprYiLRhE) and social media accounts (https://twitter.com/112_sos ; https://www.facebook.com/112emergency/ ; https://www.linkedin.com/company-beta/737759/).</p> <p>Disseminate the project during the activities of the 112 day (11th of February 2018).</p> <p>Link to project information in EENA Operations & Technical documents and Case Studies.</p>
	D	<p>Disseminate information about LETS-CROWD to EENA’s researchers network (currently 114 members).</p> <p>Support the consortium in preparation of peer reviewed publications.</p>
ESYS	A	Invite local LEAs to project related events.
	B	<p>Disseminate project related information via Expert System social media channels:</p> <p>Twitter: https://twitter.com/Expert_System</p> <p>LinkedIn: https://www.linkedin.com/company/expert-system</p>
	D	Disseminate project’s results and achievements during conference and events related to intelligence, security and defence in which Expert System will be involved directly or through the Associations to which it is affiliated.
LPV	A	<p>Present LETS-CROWD to Belgian LEAs from the Standing Committee of the Belgian Local Police Network and the Advisory Board.</p> <p>Provide the opportunity to present a demonstration of the project during the annual ASTRID-user days conference (http://www.astriddays.be/en/visitor) and the INFOPOL conference (http://www.infopolxpo112.be/en/home/#.V5XNU_r3IU)</p>
	B	<p>Demonstrate LETS-CROWD results to public and private companies in the Security domain.</p> <p>Support the organisation of the LETS-CROWD Workshops.</p>
	C	<p>Disseminate LETS-CROWD related information via LPV web-site (www.politievoorkempen.be).</p> <p>Disseminate LETS-CROWD related information via LPV social media channels: https://www.facebook.com/lokalepolitievoorkempen/ https://twitter.com/PZVoorkempen</p>
	D	Support the consortium in preparation of peer reviewed publications.

INTERNO	A	Dissemination of LETS-CROWD results in institutional National and European Working Groups and Forums for Law Enforcement Agencies.
	C	LETS-CROWD-related news will be published on the Italian Ministry of Interior official website.
	D	Synergies and exchange of information with other H2020 research projects in which the Italian Ministry of Interior is involved.
PROPRS	A	Involve in the interest group and/or advisory board the LEAs from transport sectors.
	B	PROPRS plans to disseminate results towards the organisations playing an “indirect” role in the security of mass gathering events but are critical in the management of emergencies like events’ organisers, private security guards, rescue services, training organisations, etc. for which a light version of the Dynamic Risk Assessment methodology could be introduced in their business processes.
	D	Dissemination of results to risk-centred events/conferences like, for example, those organised by RIMS – Risk Management Society https://www.rims.org/ GRF - Global Risk Forum GRF Davos http://grforum.org/
RAILSEC	A	Dissemination to national/local/cities LEAs. Dissemination to authorized private security companies involved in mass gathering events’ protection. Preparation of training material for LEAs/other security entities. Demonstration of security training.
	B	Collaborating with other partners – integrating the suspicious behaviour signs into intelligent video-surveillance.
	D	Dissemination of project’s results in security conferences organized by Railsec and/or security events and seminars in which Railsec will participate in Europe. Dissemination of project’s results among Railsec governmental clients in Europe.
MAI	A	Dissemination to Romanian LEAs and interested Governmental Agencies.
	C	Include LETS-CROWD information to the campaigns launched regularly to the general public.
	D	Support partners in the creation of the LETS-CROWD research material.
UNICA	A	Invite local LEAs to its scientific and public events.
	B	Demonstrate technology on <i>Real-time people Re-Identification</i> and on <i>People-Search</i> at the University of Cagliari.
	C	Maintain the project official website (https://letscrowd.eu , see paragraph 3.2.1), that will be the main channel to distribute all the publicly available material. UNICA will ask contributions to the partners in order to better complete this task. Ensure web and media coverage during the main project’s events. At the beginning of the project UNICA prepared the official starting press release, released to the Italian press by UNICA itself. An English version of the press release has been provided to the partners for them to release to the relevant press agencies in their respective countries (see paragraph 3.3). Use the existing Youtube channel of the PRA Lab research unit to distribute all the video material produced during the project.

Maintain the official **Twitter** channel dedicated to the project, with the contribution of all partners (<https://twitter.com/LetsCrowd>, see paragraph 3.2.2).

Maintain the official **LinkedIn** profile dedicated to the project, with the contribution of all partners (<https://www.linkedin.com/in/lets-crowd-project>, see paragraph 3.2.2)

Evaluate the realization of the official video of the project. Coordinate the realization of **flyers**, **posters** and **brochures** of the project, asking contributions to the partners in order to better complete this task.

Forthcoming activities:

5-6-7 October 2017: Disseminate project's achievements at **SINNOVA 2017** (2018 and so on), the most important sardinian exhibition dedicated to innovation, and It is organized every year in Cagliari (<http://www.sardegna ricerca.it/sinnova/>) Innovative ICT Companies and Universities present their products and the results of their research activities.

D Co-organise two official workshops of the project.

PRA Lab's research unit will coordinate Dissemination activities, being responsible for Dissemination plans and reports.

Participate to APWG eCrime symposiums, meeting and conferences (<http://ecrimeresearch.org/>).

Present the project achievements in peer-reviewed scientific papers published in international venues (either conferences and journals), and to disseminate the project results during the scientific events (regional, national, and international) to which the involved research unit regularly attends and participates.

UNICA Plans to submit contributions to International Conferences such as "ICIAP: (biennial) International Conference on Image Analysis and Processing." (2019)

UNICA expects to dedicate a day of the **2018** (2019 and so on) edition of the **International Summer School on Computer and Privacy "Building Trust in the Information Age"** to the topics addressed in the LETSCROWD project (<https://comsec.diee.unica.it/summer-school>).

Forthcoming activities:

Presentation of the project at **UNICA & Imprese 2018** (and so on) editions: exhibition on innovation held every year in Cagliari, Italy. (**Presentation at UNICA&Imprese 2017 edition already done, Cagliari, May 31**).

Sponsorship and presentation of the project at **HHMC 2017- 2017 Workshop on Hybrid Human-Machine Computing, 20 and 21 September, 2017, UK**, <http://hhmc2017.commando-humans.net/>

Participation and presentation of the project at **IPTA 2017 Seventh International Conference On Image Processing Theory, Tools And Applications**, November 28 to December 1, 2017 Montreal, <http://www.ipta-conference.com/ipta17/>

ERTZAINZA

A

ERTZAINZA, as integral police of the autonomous community of Euskadi (CAE), dependent on the Ministry of Security of the Basque Government, and part of the public security system of Euskadi, can carry out the following actions:

Presentation and dissemination of the project, objectives, scope, methodology and results:

- To the different Divisions, Units and Services of Ertzaintza.
- To the different agencies belonging to the Basque police (local police of the community).
- To government agencies involved in the public safety system.

	<ul style="list-style-type: none"> To the different LEAs in relationship with Ertzaintza and maintaining institutional relations and collaboration agreements, at local, regional, state and international level.
B	<p>Presentation and dissemination of the project, objectives, scope, methodology and results:</p> <ul style="list-style-type: none"> To the supplier companies, in coordination with the Directorate of Economic Management and general resources and the Directorate of Information and Communication technologies. To the collaborating companies in the provision of the police services related to the project. To companies, both public and private promoters of events with mass gatherings. To private security companies that provide security services at events, shows or concentrations of large masses.
C	<p>Presentation and dissemination of the project to the persons receiving the police protection service in concentrations of large masses, and the general public through:</p> <ul style="list-style-type: none"> Ertzaintza publicises internally results through the company's intranet (www.gure-net.net), the social network (https://twitter.com/ertzaintzaiegiv) and the corporate website of Ertzaintza (http://www.ertzaintza.net). The three sources of information are updated regularly and the participation in Horizon 2020 projects will be communicated through them. Portals as Irekia http://www.irekia.euskadi.eus. Dissemination plans for specific events. Articles, journals, publications, blogs, YouTube, posters, etc... Ertzaintza as part of their responsibilities for the Citizen Security, will make information campaigns to show citizens about the new developed technology highlighting the security features.
D	<p>Inside the organization, promote research, development and innovation on the police Service related to the project and its results, from those responsible for quality and continuous improvement, and directly involved units and services.</p> <p>The results and its technologies will be exploited by the research staff at Central Intelligence Office whose will analyse the obtained results and will contribute to detect improvements in developed technology.</p> <p>Thanks to the collaboration with other Spanish LEAs and also with LEAs outside Spain, the Ertzaintza has the possibility for disseminate the results obtained from the use of LETSCROWD technology and therefore, contribute to any of these organisations become in LETSCROWD users.</p> <p>Ertzaintza will use its communication channels to promote LETSCROWD technologies and its benefits to other LEAs</p> <p>Externally, to promote, collaborate and participate with companies and institutions, universities, in research lines that are aimed at advancing and deepening the conclusions and discussion that result from the project.</p>

TABLE 1 – Partners contribution to overall activities

2.4 PLAN'S FOCUS ON PUBLICATIONS ON ACADEMIC JOURNALS

As stated in 2.1 and 2.2, a number of conferences and journals can be publication targets. This section provides a non-exhaustive list of journals, which are considered relevant to the themes that LETSCROWD

explores. This list will be maintained and updated throughout the project's lifecycle and may be considered and utilized by the partners for unsolicited article submissions.

Joint publications will help to reinforce and demonstrate the collaboration between LETS-CROWD partners. Accepted papers will acknowledge the support provided by the project and will be made available for download on the project website. There are several journals and conferences in this domain, the following table summarizes the participation of the partners to the evaluation of the publication targets.

Partner	Conference/Journals
ETRA	Future Security – Security Research Conference http://www.future-security2016.de/ ICISSP – International Conference on Information Systems, Security and Privacy http://www.icissp.org/ ISC2 - IEEE Smart City Conference http://smartcities.ieee.org/conferences-events.html Congreso Ciudades Inteligentes http://www.congreso-ciudades-inteligentes.es/
CROWD	ISCRAM : (Annual) conference on Information Systems for Crisis Response and Management PED : (Biennial) conference on Pedestrian and Evacuation Dynamics http://ped2016.ustc.edu.cn/dct/page/1
DBLUE	HFES Human Factors and Ergonomics Society International Annual Meeting http://www.hfes.org/web/HFESMeetings/ AHFE International Conference on Applied Human Factors and Ergonomics http://www.ahfe2015.org/ ICAP International Conference on Applied Psychology https://www.waset.org/conference/2015/05/tokyo/ICAP Transport Security Expo http://www.transec.com/ Airport Security Conference http://www.airportsecurityconference.com/ ICRAM International Conference on Risk Assessment and Management https://www.waset.org/conference/2016/08/amsterdam/ICRAM/home ICDEM International Conference on Disaster and Emergency Management https://www.waset.org/conference/2016/03/london/ICDEM
ESYS	DSEI : Defence Security and Equipment International is a defence and security equipment exhibition held every two years in London http://www.dsei.co.uk/ ISS : leading Lawful Interception, HiTech Criminal Investigations and Intelligence Gathering with scheduled global conference programs worldwide http://www.issworldtraining.com Eurosatory : Defence and security international exhibition http://www.eurosatory.com/ Security & Counter Terror Expo : meeting place for government, police, military and the private sector to explore, debate and shape the future of international security https://www.counterterrorexpo.com/
LPV	Annual ASTRID-user days conference of all ASTRID-users and decision-makers in Belgium, for experts and for suppliers and the international TETRA and critical communications' community http://www.astriddays.be/en/visitor . Annual INFOPOL conference – Trade fair of equipment for police, surveillance and security services for all of the purchase managers and decision makers of Benelux's entire security chain http://www.infopol-xpo112.be/en/home/#.V5XNU_r3IU .
PROPRS	IJBCRM - International Journal of Business Continuity and Risk Management http://www.inderscience.com/jhome.php?jcode=IJBCRM HOMELAND SECURITY AFFAIRS The Journal of the NPS Centre for Homeland Defence and Security https://www.hsaj.org/

RAILSEC	Metzuda: (bi-monthly) the most important Israeli security & defence magazine http://mag.azma.co.il/		
UC	Safety Decision Computers and Security	Support Systems	Science http://www.journals.elsevier.com/safety-science/ http://www.journals.elsevier.com/decision-support-systems/ http://www.journals.elsevier.com/computers-and-security
	ICIAP: (biennial) International Conference on Image Analysis and Processing. http://www.iciap2017.com		
UNICA	IPTA: (annual) International Conference on Image Processing Theory, Tools and Applications. http://www.ipta-conference.com/ipta17 IET Computer Vision Journal		
ERTZAINZA	Conference on private security in Euskadi, (Bilbao, October 2017) Critical infrastructures, Pesi, public shows Conference at the AVPE Academy (Basque Academy of Police and Emergencies)		

TABLE 2 – Potential Journals and Conferences for LETSCROWD publications

2.4.1 Access type and intellectual property rights

Typically, there are a number of fees and costs that are associated with the publication of a scientific article. The most usual paradigm allows for subscription-based access to scientific articles, with the cost burdening the reader or an institution that wishes to make the article available to their user base. A variety of scientific journals, however, have recently shifted to the paradigm of **Open Access**. Open Access can be described as the practice of providing unrestricted access to scientific publications free-of-charge for the interested reader. As such, “Open Access” is considered as a good way to **maximize visibility of research results**. The term “Open Access” can also be broadened to include free access to scientific data in raw or processed form. Specifically, the Budapest Declaration (2002) states the following definition of Open Access (2):

“By open access to this literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited.”

Open Access (OA) is usually implemented in two ways:

- **“Green” OA:** “Green” access means that the publisher does not provide unrestricted access to a scientific publication, yet the author retains the right to **self-archive** the original manuscript after peer review, either in their respective institutional repository or any other online service (e.g. arXiv). In certain cases, there is a designated “embargo period” before which the author is not allowed to archive their work. In “green” access, the reader may choose the manuscript version free-of-charge or, alternatively, they will be burdened with a subscription fee for accessing the final version of the publication.
- **“Golden” OA:** “Golden” access means that the publisher will be providing full access rights to the reader without the need for a fee. The publication fee (also known as an “Article Processing Charge”) is shifted to the author, or their respective institutions.

A large number of journals and publishing houses also require a transfer of Intellectual Property Rights prior to publishing a scientific article. This is considered the norm in cases of typical subscription-based journals or “green” access journals. The authors are usually required to sign an Intellectual Property Transfer Form,

designating a journal or its associated publishing house as the sole holder of IPR for the publication. In “golden” OA it is not always necessary to transfer IPR to the publishing house or journal and the authors usually retain their IPR. Public Copyright licenses such as Creative Commons (CC) are often employed to protect authors’ rights to their work in such cases.

Currently, most scientific journals offer some kind of Open Access option for the prospective authors. Hybrid access journals also exist, which offer the choice between either Open Access implementations or the typical subscription-based paradigm.

The **LETSCROWD consortium will ensure Open Access to all peer reviewed scientific publications** relating to its results. In particular, each consortium author will deposit, as soon as possible and at the latest on publication, a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications. Moreover, the author will deposit at the same time the research data needed to validate the results presented in the deposited scientific publications. The author will ensure Open Access to the deposited publication — via the repository — at the latest, i. on publication, if an electronic version is available for free via the publisher, or ii. within six months of publication in any other case.

2.5 PLAN’S FOCUS ON POTENTIAL TRAINING EVENTS

As stated in 2.1 and 2.2, a specific task (T7.2 Training Package for crowd protection based on human factors) will be focused on creation of training methodologies and training materials for LEAs, stakeholders. Some academic events (courses, seminars, schools) will include also training and education for students and researchers. The final output of this kind of activities will consist in the release of the deliverables **D7.3 Training Package for crowd protection based on human factors Version 1** (report, it be delivered at M26) and **D7.6 Training Package for crowd protection based on human factors - Demonstrator** (demonstrator, M26). The following table summarizes the participation of the partners to the training events.

Partner	Event
ETRA	Trainings to LEAs on the policy making toolkit will be arranged.
BayFHVR	Include LETS-CROWD contents into several Master courses.
LPV	Postgraduate of Disaster Management at the University of Antwerp https://www.uantwerpen.be/en/education/education-and-training/postgraduate-disastermanagement/programme-info/
RAILSEC	Master in Homeland Security Università Bio-Medico di Roma http://www.masterhomelandsecurity.eu Railsec delivers every year a workshop in the field of “Security of Public Transportation” within this Master.
DBLUE	Training courses and summer schools organised jointly with other EU funded projects or initiatives (e.g., HALA! SESAR Long Term Research Network Summer School, IMPACT CSA Training pilot courses , etc.)
EENA	EENA Annual Conference (next 25-27 April 2018) and other networking activities such as workshops and webinars.
UC	Workshop “ Towards an European Security Model ” organized by UC will count with the participation of students, researchers, and the representation of related industry and public-private institutions. Annual Specialization Course in Evacuation Modelling – Online.
UNICA	International Summer School on Computer and Privacy “ Building Trust in the Information Age ”, Italy (https://comsec.diee.unica.it/summer-school), organized by the University of Cagliari.

ERT	Milipol 2017 (Paris, November 2017) SICUR (Madrid, February 2018) ENFSI Annual meeting 2018 Training sessions inside the organization In the Basque Police and Emergency Academy (AVPE)
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TABLE 3 – Potential educational and training events

2.6 PLAN'S FOCUS ON INVOLVEMENT OF STAKEHOLDERS

As stated in 2.1 and 2.2, a specific task (**7.3 Liaison, standardization and regulation activities (including management of the International Cooperation Board)**) is dedicated to the involvement of stakeholders among the key players in the crowd protection and monitoring and in Citizens security problems. The project's consortium will take advantage of its large existing network to reach new technology players interested in similar problems. The following table summarizes the partners' existing networks and affiliations that can play a decisive role in the construction of a liaison around the LETSCROWD themes.

Partner affiliated	Stakeholder Group
ETRA	<p>The European Innovation Partnership on Smart Cities and Communities (EIP-SCC) https://eu-smartcities.eu/</p> <p>eSec – Plataforma Tecnológica de Ciberseguridad y Confianza Digital http://ametic.es/es/innovacion/plataformas-tecnologicas/esec</p>
ADM	<p>ECPN – European Capitals Police Network</p> <p>CPE – Capital Policing Europe</p> <p>ENP – European Network Policewomen</p> <p>European Capitals Municipal Police Conference</p>
DBLUE	<p>ACARE - Advisory Council for Aviation Research and Innovation in Europe" (ACARE) Working Group 4 about Safety and Security.</p> <p>SERIT - "Security Research in Italy" (SERIT) platform. Secure ICT Research and Innovation" of the EU Public Private Platform on Network and Information Security (NIS) Working Group 3.</p> <p>LAZIO CONNECT Association - collaborative technological and legal platform whose members are large-scale companies, small- and medium-sized enterprises and research organizations acting, within the Lazio Regional territory in industries such as aerospace, electronics, ICT, avionics, aeronautic services and airport maintenance.</p>
EENA	<p>EENA's Emergency Services Staff Network (ESSN) – +1350 members from 83 countries (+1200 from Europe only)</p> <p>EENA's Advisory Board – 86 vendor companies</p> <p>EENA's Network of researchers – 114 members</p> <p>EENA Technical and Operations Committees</p> <p>EENA Working Groups: Drones (+140 members), Apps (+100 members), Cybersecurity (+50 members)</p>
ESYS	<p>AFCEA (http://www.afcearoma.it/): Armed Forces Communications and Electronics Association (AFCEA) established in 1946, is a non-profit membership association serving the military, government, industry, and academia as an ethical forum for advancing professional knowledge and relationships in the fields of communications, information technology, intelligence, and security. AFCEA supports local chapters, sponsors events, publishes SIGNAL</p>

Magazine, promotes education, and provides member benefits. AFCEA has more than 35,000 members. Expert System is AFCEA affiliate for Rome chapter.

LT-Innovate (<http://www.lt-innovate.org/>): is the Language Technology Industry Association. LT-Innovate's objectives are: to strengthen the Language Technology Industry for increased competitiveness in the global markets; to promote language technologies as drivers of economic success, societal well-being and cultural integrity; to encourage collaboration within the Industry and with other stakeholders of the Language Technology value-chains; to articulate the Industry's collective interests vis-à-vis buyers, researchers, investors and policy makers.

SIIA (<http://www.siia.net/>): the Software & Information Industry Association is the principal trade association for the software and digital content industry. SIIA provides global services in government relations, business development, corporate education and intellectual property protection to the leading companies that are setting the pace for the digital age.

LPV

LPV's Network of Belgian LEAs from the Standing Committee of the Belgian Local Police Network – 189 members.

CoU – Community of Users on safe, secure and resilient societies (focus on natural hazards crisis management (Incl. cascading effects)).

INTERNO

Institutional National and European Working Groups and Forums for Law Enforcement Agencies.

RAILSEC

UIC – International Union of Railways (<http://www.uic.org/>) – security forum

UITP – International Union of Public Transport (<http://www.uitp.org/>) – security forum

UC

PTFE –The Spanish Railways Technological Platform (PTFE) is an industry-led tool at the service of the railways sector. The PTFE takes part at the European Rail Research Advisory Council (ERRAC) and its aim is to strengthen the position of the Spanish railway industry in Europe.

Spanish delegation of ISO 92 SC4 “**Fire Safety Engineering**” WG11 Behaviour and movement of people.

Technical committees on Fire reaction and Fire Safety Engineering at AENOR, CEN and ISO.

UNICA

EUROPOL – European Police Office

APWG - Anti Phishing Working Group - global industry, law enforcement, and government coalition focused on unifying the global response to cyber-crime through development of data resources, data standards and model response systems and protocols for private and public sectors.

CLUSIT - Italian Information Security Association.

CNIT (Italian National Inter-University Consortium for Telecommunications).

GIRPR - Group of Italian Researchers in Pattern Recognition.

CINI - Cyber Security National Laboratory (Italy).

ENISA European Union Agency for Network and Information Security.

ERT

From the direction of the Ertzaintza: **Service of institutional relations**, coordination of training, major events and critical infrastructures

- From the **Coordination Directorate: Private security, local police** ...
- From the **Directorate of Games and Public shows**
- From the **Directorate of Economic Management** and general resources
- From the **Directorate of Technologies**
- From the **Emergency and meteorology management**

- **Basque Police and Emergency Academy (AVPE)**

Other agencies involved in the Euskadi Public security system (NGOs, health, firefighters, etc).

TABLE 4 – Existing Consortium’s Stakeholder Network



3 CURRENT OR ALREADY PERFORMED ACTIVITIES

This section focuses on the work done so far, from the kick-off meeting of the project (Valencia, May 11-12) to the present day (M5 of the project).

3.1 ESTABLISHMENT OF A PROJECT IDENTITY. PROJECT LOGO AND STANDARD TEMPLATES

During the first months of project activities a graphical identity was established in order to standardize all the internal and external communication around the project. At the time of the creation of this document the project identity has been defined as following.

3.1.1 Official project logo

The official **project's logo** was created by partner **ETRA** following the idea and the graphical concept of crowd protection and monitoring. The first logo release was mainly centered on the *monitoring* concept, giving the idea of people doing daily activities in freedom and in open spaces, as shown in the picture below.



FIGURE 2 – First logo proposal

The logo's concept was then reviewed. The consortium chose to represent LETSCROWD in a stylized way, opting mainly for the idea of *protection*: people is represented as a set of spheres protected inside and around the "O" letter. The following picture shows the current project's logo.

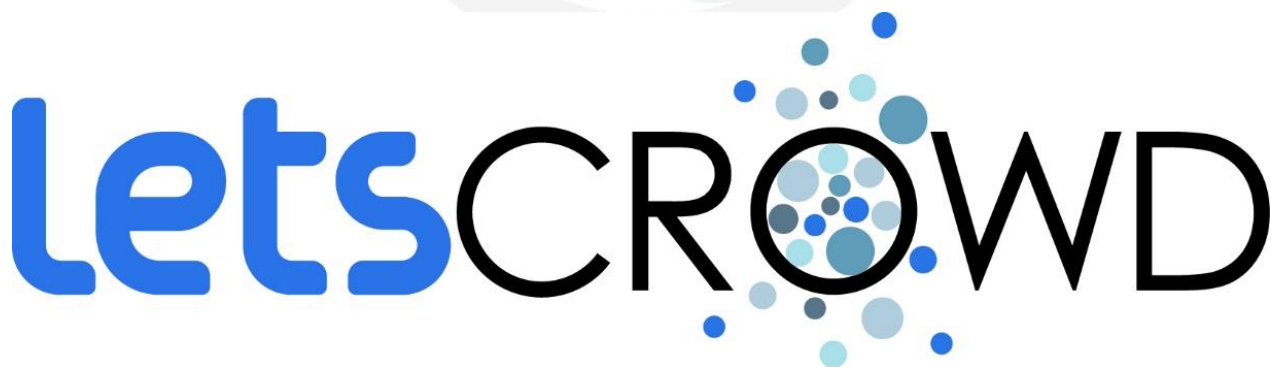


FIGURE 3 – Official project logo

3.1.2 Standard templates for deliverables and presentations

Starting from the logo graphical traits, a standard template for official LETSCROWD's presentations has been released to the whole consortium and it is shown in the picture below.



FIGURE 4 – Standard template for official LETSCROWD presentations

Furthermore, a standard template for official LETSCROWD's deliverables has been released and it is the one used in the present document.



The image shows a two-page deliverable template. The left page contains a header with the 'letsCROWD' logo and the European Union flag. Below this is a table for 'Title' and 'Document Version'. The main body includes fields for 'Project Number', 'Project Acronym', and 'Project Title'. It also has sections for 'Contractual Delivery Date', 'Actual Delivery Date', and 'Deliverable Type* Security*'. A 'Security Class' section follows, with options for 'Public', 'Restricted to other programme participants', 'Restricted to a group defined by the consortium', and 'Confidential'. The bottom of the left page has fields for 'Responsible', 'Organisation', and 'Contributing WP'. The right page features a 'Revision History' table with columns for 'Revision', 'Date', 'Description', and 'Author (Organisation)'. Below this is a 'Copyright Statement' section. The footer of the right page includes the 'letsCROWD' logo, the project title, and the text: 'This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 740466'. It also provides a link to 'More information available at https://lets crowd.eu'.

FIGURE 5 – Standard template for official LETSCROWD deliverables

3.1.3 Project flyer

The consortium released two versions of a project brochure/flyer that will be utilized, printed and distributed during several events (see paragraphs 2.4, 2.5, 2.6, 3.4.). These documents have been released in English language and they will be translated and distributed by the partners in other languages (e.g. if it is required by an event chosen for the dissemination of project's results). The preview of these documents are available below, the full version are available as attached files in the "ANNEX A: Project Flyer".



FIGURE 6 – First release of official LETSCROWD flyer. A4 format, only 1 side.



FIGURE 7 – Second release of official LETSCROWD flyer. A5 format, front and back.

3.2 DIGITAL PRESENCE: PROJECT WEBSITE AND SOCIAL NETWORKING ACCOUNTS

This paragraph details activities related to maintaining a continuous online presence for the project.

3.2.1 Project website

The official **project website** has been already released (M3) at the time of creating this document, and it is available following the URL: <http://letscrowd.eu/>. The website has been created adopting the same graphical identity as the rest of the communication tools that have been designed for the project.

Within the first 5 months, the design and the content of the **website** have been constantly updated. During the project's lifetime partner UNICA and ETRA will constantly take up technical maintenance of the website, and the consortium, as a whole, will contribute necessary additions to the website contents.

The website will play several roles, such as facilitating the exchange of information within the consortium as well as with the public in general. The website will also be used to coordinate various activities among the partners, as well as hosting the digital content distributed during the workshops, that the partners select for public release. It will also facilitate contacts with other researchers, companies, public bodies, agencies and all potential stakeholders, aiming to create an informal international network. The main content of the website includes information about the project and its goals; information about the project consortium; publications and material produced during the project; details on any events organized during the project; public documents; press releases and media coverage. As the website's goal is mainly intended to raise awareness about the project activities, the website's target will be non-specialists people. Hence, the language used in the website is non-technical.

The website main contents are:

- **Home:** the main page of the website, containing general information and latest news, events, newsletter subscription;
- **About:** relevant information on the project and about the partners;
- **News:** news and announcements of project activities;
- **Events:** events planning, workshop, conferences;
- **Publications:** featuring documents, presentations and publications;
- **Contact:** e-mail, addresses and other information;
- **Internal Area:** this section provides restricted access to members of the consortium for various intents and purposes.


The website has been built with an open source Content Management System (Word Press) and has been tested with the latest versions of the most common browsers (Microsoft Edge, Mozilla Firefox, Google Chrome, Safari). It has been created in order to be responsive with respect of the common mobile devices (iOS and Android smartphones and tablets).

The website visits are monitored through **Piwik**, an open source analytics platform. Since the website has been released during month 3, the data collected till now is not considered significant and for this reason is not reported in this document. Piwik's analytics will be used in the project in order to provide concrete data and feedback for the project periodic dissemination reports, starting from the deliverable **D7.2 Dissemination and communication plan and strategy and activities**, due at M12.

The picture in the next page shows the project's homepage.

Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs in mass gatherings

[HOME](#)
[ABOUT](#)
[NEWS](#)
[EVENTS](#)
[PUBLICATIONS](#)
[CONTACT](#)
[INTERNAL AREA](#)



Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs

LETSCROWD will overcome challenges preventing the effective implementation of the European Security Model with regards to mass gatherings. This will be achieved by providing the following to security policy practitioners and in particular, Law Enforcement Agencies (LEAs):

- A dynamic risk assessment methodology for the protection of crowds during mass gatherings centred on human factors in order to effectively produce policies and deploy adequate solutions.
- A policy making toolkit for the long-term and strategic decision making of security policy makers, including a database of empirical data, statistics and an analytical tool for security policies modelling, and

LETSCROWD impact will be measured under practical demonstrations involving seven LEAs and relevant emergency services units.

TWITTER TIMELINE

Tweets by @letscrowd

UPCOMING EVENTS


NEWSLETTERS SUBSCRIPTION FORM

Name

Email *

[Subscribe](#)

Latest News




Human-Machine Computation to Social Computing

2017, University of Surrey

LETSCROWD among the sponsors of HHMC 2017

HHMC 2017 - Workshop on Hybrid Human-Machine Computing (From Human Computation to Social Computing and Beyond), is a 2-day workshop, to be held at the University of Surrey, Guildford, UK, on 20 and 21 September, 2017.


[Read more](#)



LETSCROWD in the press (May-July 2017)

LETSCROWD has been reported by several magazines and web magazines from its kick-off meeting to july. This post collects a list of articles and interviews.

[Read more](#)



LETSCROWD presented at Unica & Imprese

May 31, 2017, Cagliari, Italy. The University of Cagliari presented LETSCROWD and a prototype of a person re-identification tool at Unica&Imprese, Sardinian Exhibition dedicated to innovation.

[Read more](#)

FIGURE 8 – Homepage of the project website

3.2.2 Social networking accounts

Public audience will be reached and involved also through **Social Networks**. To complement the online presence of the project, **a Twitter account and a LinkedIn account have been created** and can be used to push short announcements to the community of the project and relevant news about the mass gatherings events and about the project news and appointments. The latest Twitter posts could also be **embedded on the homepage of the project's website**. The partners will contribute posting news in order to transform these social media profiles in an influential source of news about crowd protection and security.

The **Twitter** account is available at the url <https://twitter.com/LetsCrowd>. It counts 33 followers and 29 Tweets at the moment.



FIGURE 9 – LETSCROWD Twitter profile

The **LinkedIn** account is available at the url <https://twitter.com/LetsCrowd>. It counts 16 linked people and 18 posts at the moment.







FIGURE 10 – LETSCROWD LinkedIn profile

3.3 PRESS RELEASE AND MEDIA COVERAGE

General public will be also reached through magazines and through (on-and-offline) newspapers, **media coverage will be also ensured in order to raise public awareness** on the project's issues. All the existing channels of communication and activities of the consortium will be used.

At the beginning of the project UNICA prepared the official starting **press release**, distributed to the Italian press by UNICA itself. An English version of the press release has been provided to the partners for them to release to the relevant press agencies in their respective countries. A full version of the English press release is available in "ANNEX B: project's kick-off press release", while in the following table reports on the **media coverage** obtained from the distribution of this press release.

Title/Link	Type/Source	Language
LETSCROWD, proyecto para mejorar la protección frente a acciones criminales 	VIDEO UNIversidadCANTabria youtube channel	Spanish
RadioInterview Spain-Radio Nacional Espana – RNE 	AUDIO INTERVIEW Radio Nacional Espana – RNE	Spanish
RadioInterview Spain-CadenaSER 	AUDIO INTERVIEW CadenaSER	Spanish
El proyecto 'Let's Crowd' desarrolla tecnologías para la seguridad ciudadana en eventos masivos 	WEB NESWPAPER esmartcity.es	Spanish

<p>Más seguridad en eventos masivos</p> <p>EL DIARIO MONTAÑÉS</p>	<p>OFFLINE MAGAZINE El DiarioMontañés Suplemento</p>	<p>Spanish</p>
<p>La UC participa en un proyecto de seguridad antiterrorista</p> <p>EL DIARIO MONTAÑÉS</p>	<p>OFFLINE MAGAZINE El DiarioMontañés Suplemento</p>	<p>Spanish</p>
<p>UC, socio de un proyecto europeo para mejorar la protección de personas en eventos masivos frente al terrorismo</p> <p> lainformacion.com</p>	<p>WEB NESWPAPER lainformacion.com</p>	<p>Spanish</p>
<p>La UC, socio de un proyecto europeo para mejorar la protección de personas en eventos masivos frente al terrorismo</p> <p> UC UNIVERSIDAD DE CANTABRIA</p>	<p>UC PRESS OFFICE web.unican.es</p>	<p>Spanish</p>
<p>UC, socio de un proyecto europeo para mejorar la protección de personas en eventos masivos frente al terrorismo</p> <p> 20 minutos</p>	<p>WEB NESWPAPER 20minutos.es</p>	<p>Spanish</p>
<p>UC, socio de un proyecto europeo para mejorar la protección de personas en eventos masivos frente al terrorismo</p> <p> eldiario.es</p>	<p>WEB NESWPAPER eldiario.es</p>	<p>Spanish</p>
<p>Programa LETSCROWD: Expert System aplica la inteligencia cognitiva para combatir el terrorismo en grandes eventos</p> <p> techWEEK.es</p>	<p>WEB NESWPAPER eldiario.es</p>	<p>Spanish</p>

<u>UC, socio de un proyecto europeo para mejorar la protección de personas en eventos masivos frente al terrorismo</u> 	WEB NESWPAPER lavanguardia.com	Spanish
<u>Ricercatori a caccia di terroristi (grazie alla tecnologia), l'Università di Cagliari in prima fila</u> 	WEB NESWPAPER unionesarda.it	Italian
<u>Ateneo di Cagliari in prima linea nella lotta al terrorismo</u> 	WEB NESWPAPER ilsole24ore.com	Italian
<u>Terrorismo, il PraLab nel progetto europeo volto a proteggere luoghi e persone</u> 	UNICA PRESS OFFICE unica.it	Italian
<u>Terrorismo, il PraLab nel progetto europeo volto a proteggere luoghi e persone</u> 	WEB NESWPAPER Ondecorte.it	Italian
<u>Lotta al terrorismo, progetto europeo milionario. In prima linea specialisti dell'Università di Cagliari</u> 	WEB NESWPAPER SardegnaOggi.it	Italian
<u>Oggi e domani, a Valencia, la sede dell'Etra Investigación y Desarrollo ospita il meeting di avvio del progetto Europeo LETSCROWD</u> 	WEB NESWPAPER laprovinciadelsulcisiglesiente.com	Italian

TABLE 5 – Media coverage of the project during the first 5 months

The following table lists the partners' webpages dedicated to the project. This list will be completed during the next months.





Title/Link	Type/Source	Language
GRUPOETRA leads LET'S CROWD 	ETRA OFFICIAL WEBSITE http://www.grupoetra.com	
LETSCROWD EU Project 	PRA LAB OFFICIAL WEBSITE http://pralab.diee.unica.it/en	English Italian
LETSCROWD 	PLURIBUS ONE OFFICIAL WEBSITE https://www.pluribus-one.it	English
LETSCROWD 	EENA ONE OFFICIAL WEBSITE http://www.eena.org	English

TABLE 6 – Online presence of the project in the partners official web pages

3.4 EVENTS

As stated in chapter 2, a relevant part of LETSCROWD dissemination activities is dedicated to the presentations at meetings and workshops, in order to involve researchers, companies, government bodies, decision makers and stakeholders and make them aware on the project objectives and results. The LETSCROWD consortium has already started presenting the project goals and its first steps. The following table summarizes the events that have been considered dissemination targets by the consortium during the first five months of activities. Forthcoming events considered among the dissemination opportunities are listed in the tables 2, 3 and 4 (paragraphs 2.3, 2.4, 2.5).

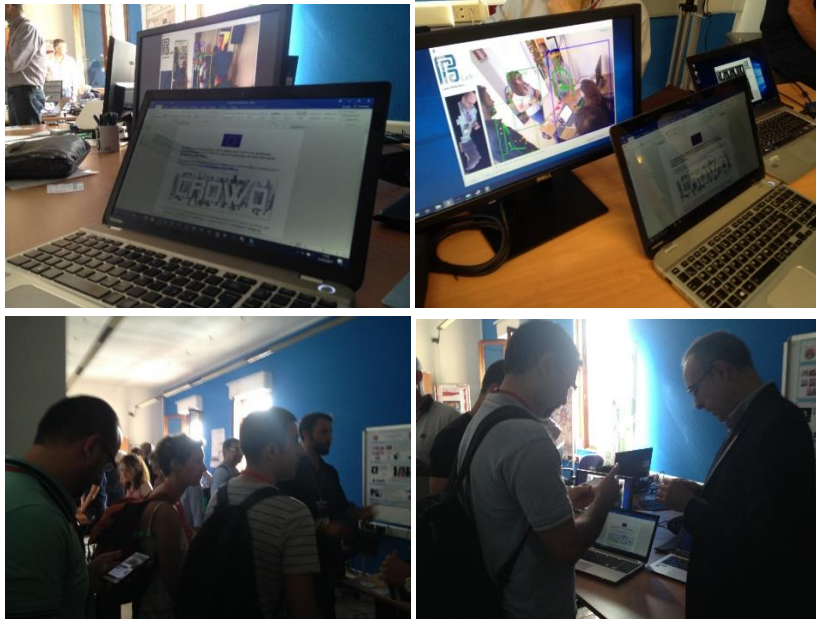
Event	Type/Number of attendees Date/Place
Unica & Imprese 	Exhibition for researchers and ICT companies May 31, 2017 Cagliari, Italy Attendees: About 500

Giorgio Fumera and Matteo Mauri presented LETSCROWD and a prototype of a person re-identification tool at Unica & Imprese, Sardinian Exhibition dedicated to innovation. It is organized every year in Cagliari. Innovative ICT Companies and Universities present their products and the results of their research activities.

Website:

<http://www.unica.it/pub/7/show.jsp?id=35350&iso=24&is=7>

Related documents: /



Full gallery available in the LETCROWD Official website:

<https://letscrowd.eu/unicaimpresa/>

HHMC 2017 – Workshop on Hybrid Human-Machine Computing (From Human Computation to Social Computing and Beyond).



It is a 2-day workshop, organized 1) to bring researchers working in different disciplines but with common research interests on HHMC together for exchanging research ideas, and 2) to promote interdisciplinary collaborations and experience sharing between different subjects.

LETSCROWD is among the sponsors of this workshop (as can be seen in the website's homepage screenshot below).

Scientific Workshop for researchers

September 20 and 21, 2017

University of Surrey,
Guildford, UK

Attendees: /

Website:

<http://hhmc2017.command-o-humans.net/index.php>

Related documents: /



IMPACT Final Event – Managing socio-cultural factors during emergencies in public transport systems.



The final event of the [IMPACT EU Funded Project](http://www.impact-csa.eu) brought together experts, researchers, practitioners, and relevant stakeholders in the different transport domains such as service providers, first responders, law enforcement, national and international regulators, in order to:

1. create a wider community around the theme of multicultural and social factors in emergency management in transport domains;
2. present, validate and discuss the final results achieved by the project;
3. exchange best practices and generalise findings with other research Projects and to other domains.

Keynote speakers provided the impetus for a discussion on current research trends in socio-cultural aspects relevant for ensuring safety and security in modern transport hubs.

IMPACT final event hosted a panel session (**Panel discussion on Signals to listen when dealing with mass gathering events** & Round Table) dedicated to the LETSCROWD Project. **Santiago Caceres Elvira**, LETS-CROWD Project Coordinator, keynote speaker, presented the project objectives (see “ANNEX C”)

Scientific Workshop for
researchers and industrial
stakeholders

September 21 and 22, 2017

Rome, Italy

Attendees: about 90

Website:

<http://www.impact-csa.eu/events-news/impact-fina-l-event/>

Related documents:

Santiago Caceres’
presentation at IMPACT
Final Event. (ANNEX C)



Full gallery available in the LETSCROWD Official website:

<https://letscrowd.eu/impact/>

Cybertech Europe



Since 2014, Cybertech has served as the global meeting place for exchanging ideas, networking and business-to-business opportunities for players across the field of Cybersecurity, with large-scale and boutique events across the world.

Pluribus One, partner of the LETSCROWD project, has been a start-up Exhibitor at [Cybertech Europe](http://italy.cybertechconference.com/) (Italy, Rome, September 26-27) and has presented its activities on cyber security and **the goals of the LETSCROWD project**.

Cybertech Europe 2017 counted almost 10000 visitors and [90 invited speakers](#) (among LEAs, security experts, policy makers, **including the Italian Ministry of Defence**) bringing together more than **130 organizations** among sponsors, partners, exhibitors, leading multi-national corporates, SMB's, start-ups, private and corporate investors, venture capital firms, experts, and clients.

Cybertech Europe was a chance to meet technology company executives, start-ups, government officials and contractors, investors, leading academics and legal, media and marketing professionals changing the global cyber landscape. High-profile speakers and panelists focused on the global cyber threat, and strategies and solutions for diverse challenges in sectors including finance, transportation, utilities, defense, and government to protect operations, infrastructure and people.

Exhibition for researchers, LEAs, policy makers and ICT companies

September 26 and 27, 2017

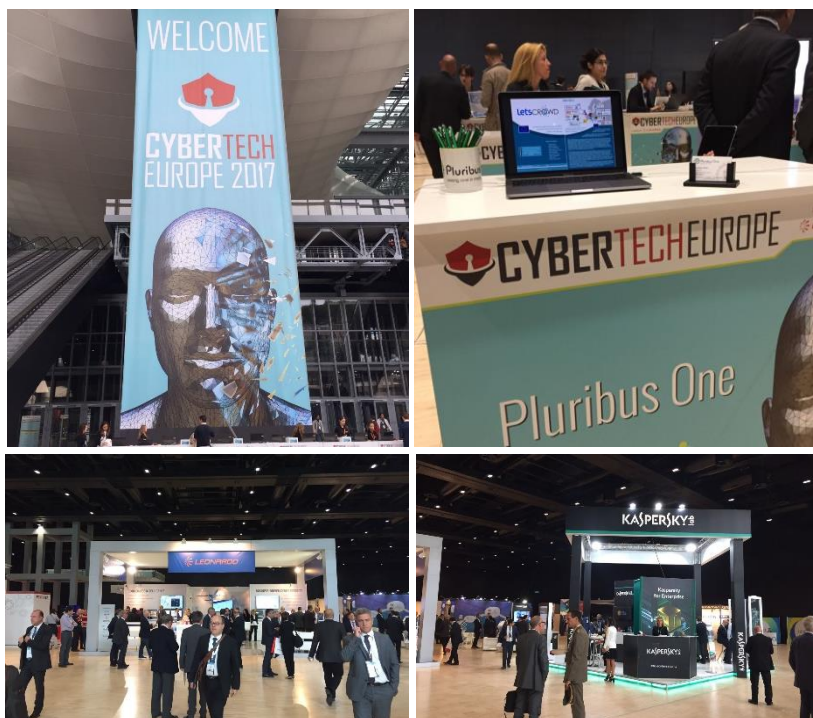
Rome, Italy

Attendees: almost 10000

Website:

<http://italy.cybertechconference.com/>

Related documents: /



Full gallery available in the LETSCROWD Official website:

<https://letscrowd.eu/cybertech2017/>

TABLE 7 – Dissemination events table

4 CONCLUSIONS

In this document we described the first version of the “Dissemination and communication plan” of the LETSCROWD Project providing also a report on the current and activities performed during the first five months of the project.

The document provided an overview of the actions planned to reach several targets (including LEAs, researchers, stakeholders, general public) through different channels such as websites, newsletters, flyers, social networks, organization of events, peer-reviewed papers.

The dissemination plan and the evaluation of dissemination opportunities will be constantly improved during the project lifetime and the activities will be reported in these documents:

- D7.2, Dissemination and communication plan and strategy and activities, M12
- D7.3, Dissemination and communication plan and strategy and activities, M24
- D7.7, Final report on dissemination and communication activities, M30.



5 REFERENCES AND ACRONYMS

5.1 REFERENCES

1. *The Plan for the Exploitation and Dissemination of Results in Horizon 2020*. <https://www.iprhelpdesk.eu/library/fact-sheets>, last access september 2017 : European IPR Helpdesk, 15.07.2015.
2. *Budapest Open Access Initiative*. <http://legacy.earlham.edu/~peters/fos/boaifaq.htm> : s.n., last access september 2017.

5.2 ACRONYMS

Acronyms List	
CP	Consortium Plenary
DM	Dissemination Manager
DoW	Description of Work
EM	Exploitation Manager
IPR	Intellectual Property Rights
PC	Project Coordinator
PSC	Project Steering Committee
PPR	Project Periodic Report
QM	Quality Management
QR	Quarterly Report
RM	Risk Management
SVN	Subversion
TM	Technological Manager
OA	Open Access
IPR	Intellectual Property Rights
CC	Creative Commons

TABLE 8 – Acronyms List

6 ANNEX A: PROJECT FLYER

6.1 PROJECT FLYER FIRST RELEASE: A4 FORMAT, ONLY 1 SIDE.



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme, under grant agreement No. 740466



www.lets crowd.eu

[@LetsCrowd](https://twitter.com/LetsCrowd)

LETS CROWD (Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs in mass gatherings) is a project funded by the European Commission under the HORIZON 2020 Programme.

Europe has suffered many criminal actions and terrorist attacks during mass gatherings, which have great impact on the citizens and the society, in the last few years. **LEAs must face this new scenario** (considered a priority by the European Union), which imposes a multitude of heterogeneous challenges. Hence, the key is to deter, prevent, protect, pursue and effectively respond to criminal and/or terrorist actions, achieving the best possible protection for people gathering in a specific area where particular events are taking place, thus increasing also the sense of security with the necessary balance between protection and rights of EU citizens. For all these reasons, novel methodologies and tools must be investigated for **strategic and operational activities**, involving also strong cross-border cooperation and intelligence sharing, and planning solutions for all these issues, where the human and sociological factor is often the key driver. In fact, **humans play a key role in every dimension of crowd protection** against criminal and terrorist acts: as perpetrators, protectors and victims.

LETS CROWD will overcome challenges preventing the effective implementation of the European Security Model (ESM) with regards to mass gatherings, by providing the following to security policy practitioners and in particular, LEAs: (1) A **dynamic risk assessment methodology for the protection of crowds during mass gatherings** centred on human factors in order to effectively produce policies and deploy adequate solutions. (2) A **policy making toolkit for the long-term and strategic decision making** of security policy makers, including a database of empirical data, statistics and an analytical tool for security policies modelling, and (3) A set of human centred tools for Law Enforcement Agencies (LEAs), including **real time crowd behaviour forecasting**, innovative communication procedures, **semantic intelligence applied to social networks** and the internet, and novel computer vision techniques. LETS CROWD will be a security practitioner driven project, fostering the communication and cooperation among LEAs, first responders, civil protection and citizens in the fight against crime and terrorism during mass gatherings by a set of cooperation actions. The project will put citizens at the centre of the research and will assess and evaluate how security measures affect them, and how they perceive them, while respecting EU fundamental rights. Lead by ETRA Investigación y Desarrollo S.A. (Spain), LETS CROWD will be implemented by a consortium of **16 partners, from 8 different countries** (including SMEs, universities, LEAs), operating in the critical areas of government, security, energy, finance, transport and utilities.

6.1 PROJECT FLYER CURRENT RELEASE: A5 FORMAT, FRONT AND BACK



Law Enforcement agencies human factor methods
and Toolkit for the Security and protection of
CROWDs in mass gatherings

HORIZON 2020

This project has received funding
from the European Union's Horizon
2020 research and innovation
programme under grant agreement
No 740466.

PROJECT KEYWORDS

- Crowd protection
- Intelligence sharing
- Human centered tools
- Dynamic risk assessment
- Real time behaviour forecasting
- Semantic Intelligence
- Policy making toolkit
- Strategic decision making
- People re-identification
- Cyber security
- Database of empirical data

Follow LETSCROWD

 @LetsCrowd

 [linkedin.com/in/lets-crowd-project](https://www.linkedin.com/in/lets-crowd-project)

www.letscrowd.eu

(Front)



Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs in mass gatherings

LETSCROWD is a project funded by the European Commission under the HORIZON 2020 Programme.

Europe has suffered many criminal actions and terrorist attacks during mass gatherings, which have great impact on the citizens and the society, in the last few years.

LEAs must face this new scenario (considered a priority by the European Union), which imposes a multitude of heterogeneous challenges. Hence, the key is to deter, prevent, protect, pursue and effectively respond to criminal and/or terrorist actions, achieving the best possible protection for people gathering in a specific area where particular events are taking place, thus increasing also the sense of security while the necessary balance between protection and rights of EU citizens. For all these reasons, novel methodologies and tools must be investigated for strategic and operational activities, involving also strong cross-border cooperation and intelligence sharing, and planning solutions for all these issues, where the human and sociological factor is often the key driver. In fact, humans play a key role in every dimension of crowd protection against criminal and terrorist acts: as perpetrators, protectors and victims.

LETSCROWD will overcome challenges preventing the effective implementation of the European Security Model (ESM) with regards to mass gatherings, by providing the following to security policy practitioners and in particular, LEAs: (1) A dynamic risk assessment methodology for the protection of crowds during mass gatherings centred on human factors in order to effectively produce policies and deploy adequate solutions. (2) A policy making toolkit for the long-term and strategic decision making of security policy makers, including a database of empirical data, statistics and an analytical tool for security policies modelling, and (3) A set of human centred tools for Law Enforcement Agencies (LEAs), including real time crowd behaviour forecasting, innovative communication procedures, semantic intelligence applied to social networks and the internet, and novel computer vision techniques.

The project will put citizens at the centre of the research and will assess and evaluate how security measures affect them, and how they perceive them, while respecting EU fundamental rights. Lead by ETRA Investigación y Desarrollo S.A. (Spain), LETSCROWD will be implemented by a consortium of 17 partners, from 8 different countries (including SMEs, universities, LEAs), operating in the critical areas of government, security, energy, finance, transport and utilities.

(Back)

7 ANNEX B: PROJECT'S KICK-OFF PRESS RELEASE (ENGLISH VERSION)



16 European partners funded with 3 million euros to drive the challenging European project LETSCROWD, aimed at monitoring and protecting people during mass gatherings.

The project's kick-off meeting took place in **Valencia (may 11th and 12th)** at the headquarters of the project coordinator **ETRA Investigación y Desarrollo S.A.**



LETSCROWD (Law Enforcement agencies human factor methods and Toolkit for the Security and protection of CROWDs in mass gatherings) is a project funded by the **European Commission** under the HORIZON 2020 Programme, that received a grant of nearly **3 million euros** (2919000 Euros).

Europe has suffered many criminal actions and terrorist attacks during mass gatherings, which have great impact on the citizens and the society, in the last few years. **LEAs must face this new scenario** (it is considered a priority by the European Union), which imposes a multitude of heterogeneous challenges. Hence, the key is to deter, prevent, protect, pursue and effectively respond to criminal and/or terrorist actions, achieving the best possible protection for people gathering in a specific area where particular events are taking place, thus increasing also the sense of security while the necessary balance between protection and rights of EU citizens. For all these reasons, novel methodologies and tools must be investigated for **strategic and operational activities**, involving also strong **cross-border cooperation** and **intelligence sharing**, and planning solutions for all these issues, where the human and sociological factor is often the key driver. In fact, **humans play a key role in every dimension of crowd protection** against criminal and terrorist acts: as perpetrators, protectors and victims.

LETSCROWD will overcome challenges preventing the effective implementation of the European Security Model (ESM) with regards to mass gatherings. This will be achieved by providing the following to security policy practitioners and in particular, LEAs: (1) A **dynamic risk assessment methodology for the protection of crowds** during mass gatherings centred on human factors in order to effectively produce policies and deploy adequate solutions. (2) A **policy making toolkit for the long-term and strategic decision making** of security policy makers, including a database of empirical data, statistics and an analytical tool for security policies modelling, and (3) A set of human centred tools for Law Enforcement Agencies (LEAs), including **real time crowd behaviour forecasting**, innovative communication procedures, **semantic intelligence applied to social networks** and the internet, and novel computer vision techniques. LETSCROWD will be a security practitioner driven project, fostering the communication and cooperation

among LEAs, first responders, civil protection and citizens in the fight against crime and terrorism during mass gatherings by a set of cooperation actions. The project will put citizens at the centre of the research and will assess and evaluate how security measures affect them, and how they perceive them, while respecting EU fundamental rights. LETSCROWD impact will be measured under practical demonstrations involving **six LEAs** and relevant emergency services units. In order to facilitate the assessment of the performance, transferability, scalability and large scale deployment of these solutions, the demonstrations will be conducted following eleven use cases. The project, lead by ETRA Investigación y Desarrollo S.A. (Spain), will be implemented by a consortium of **16 partners, from 8 different countries** (including SMEs, universities, LEAs), operating in the critical areas of government, security, energy, finance, transport and utilities.

Partners:

- ETRA Investigación y Desarrollo S.A. (Spain, coordinator)
- Policía Municipal de Madrid – Ayuntamiento de Madrid (LEA- Spain)
- University of Applied Sciences – Police Affairs (LEA- Germany)
- Crowd Dynamics International Ltd (UK)
- Deep Blue (Italy)
- European Emergency Number Association (Belgium)
- Expert System Spa (Spain)
- Local Police Voorkempen – Lokale Politie Voorkempen (LEA-Belgium)
- Ministry of the Interior- Polizia di Stato, Department of Public Security (LEA- Italy)
- PROPRS Ltd. (UK)
- Ministerio da Administracao Interna - Polícia de Segurança Pública (LEA-Portugal)
- RAILSEC Ltd (Israel)
- Ministry of Internal Affairs - Ministerul Afacerilor Interne (LEA-Romania)
- Universidad de Cantabria (Spain)
- PRA Lab, DIEE, University of Cagliari (Italy) &
- Pluribus One (Italy, linked third partner of PRA Lab-DIEE)



8 ANNEX C: SANTIAGO CACERES' PRESENTATION AT IMPACT FINAL EVENT

LetsCROWD

will overcome challenges preventing the effective implementation of the European Security Model with regards to mass gatherings

etraI+D
ETRA INVESTIGACIÓN Y DESARROLLO, S.A.

POLICIA madrid
POUCIA MUNICIPAL MADRID
AYTO. MADRID

UNIVERSIDAD POLITÉCNICA DE MADRID
SERVICIO POLICIA AFACERISCA

GOBIERNO VASCO
DEPARTAMENTO SEGURIDAD

CROWD DYNAMICS INTERNATIONAL LTD

DEEP BLUE
DEEP BLUE

112
EUROPEAN EMERGENCY NUMBER ASSOCIATION

EXPERT SYSTEM
EXPERT SYSTEM SPA

Politie
Voorkeperen
LOCAL POLICE VOORKEPEREN
LOKALE POLICE VOORKEPEREN

Polizia di Stato
MINISTERY OF THE INTERIOR - POLICIA DI STATO
DEPARTMENT OF PUBLIC SECURITY

PROPRS Ltd
PROPRS LTD

RailSec
Public Transportation Security Ltd.
RAILSEC LTD

MINISTERO DA ADMINISTRAÇÃO INTERNA
POLICIA DE SEGURANÇA PÚBLICA

MINISTÉRIE AFACERISCA INTERNE

UC
UNIVERSIDAD DE CANTABRIA

UNIVERSITÀ DI CAGLIARI

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 740466

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Spain

Spain terror attacks: 13 killed and 100 injured - as it happened

The terror suspects shot dead in Cambrils, while earlier explosion at house in Alcanar is also linked to Las Ramblas attack

- Barcelona and Cambrils attacks: live coverage continues here
- Analysis: attack provides harsh lessons in fight against terror
- Full report: van hits crowd in city centre
- Aftermath of attack on Las Ramblas - in pictures
- If you've been affected, you can share your experiences with us

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Nice

Nice attack: truck driver named as France mourns 84 killed in Bastille Day atrocity - as it happened

Witnesses describe terror and chaos after armed man drove through crowds celebrating national day

- Armed man drove truck through crowd for 2km
- A truck smashed into everyone. Everyone - video
- Are you in Nice?

BBC

NEWS

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London attack: What we know so far

© 12 June 2017 London

Eight people were killed in central London when three attackers drove a van into pedestrians on London Bridge and launched a knife attack in Borough Market on Saturday, 3 June.

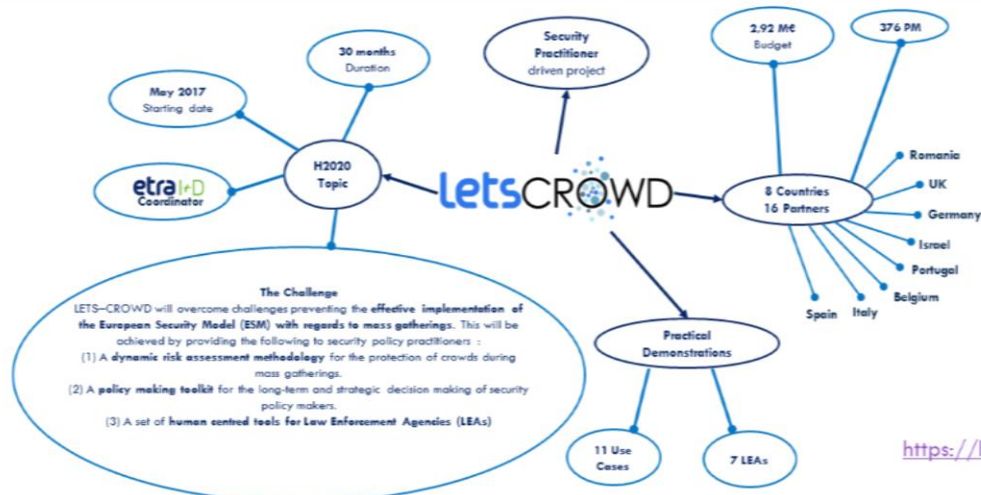
The attackers were shot dead by officers, who arrived on the scene of the attack within eight minutes. Here is what we know.

Brussels explosions: What we know about airport and metro attacks

© 9 April 2016 Europe

LetsCROWD

OVERVIEW

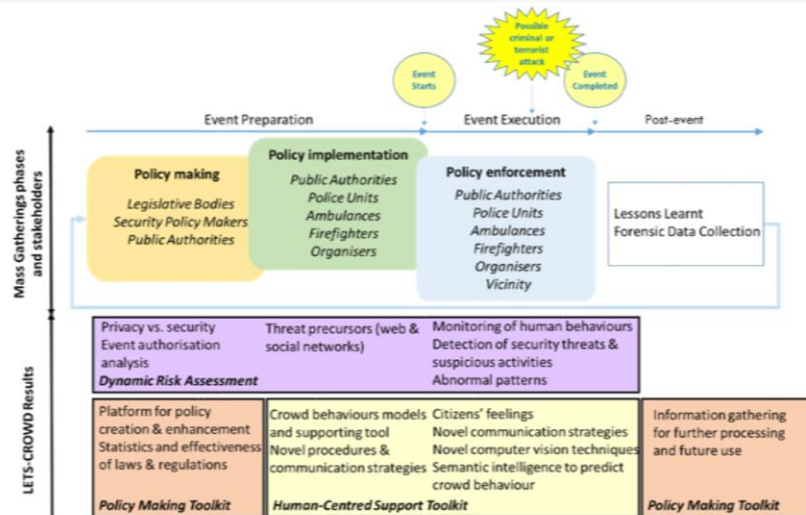


OBJECTIVES

- I. Develop a common European understanding about security issues for crowd protection during mass gatherings
- II. Develop a Policy-making platform for security policy-makers
- III. Develop human-centred Toolkit for LEAs
- IV. Perform practical demonstrations to assess project outcomes
- V. Analyse public opinion or mood on mass scale in relation to policies and actions for protecting people in mass gatherings against criminal and terrorist acts
- VI. Dissemination, communication of results and post project deployment and large scale adoption.



LETSCROWD AND THE LEAS' PHASES DURING MASS GATHERINGS



RISK ASSESSMENT



- Methodology to dynamically assess the risks for crowds during mass gathering events.
- Situational awareness in a dynamically-changing uncertain risks conditions in the immediacy of the event.
- Combination of two approaches: Static and Dynamic risk assessment.
- Use of "weak signals" in the dynamic risk assessment.

WEAK SIGNALS

- *Weak signals are suspicious signs of activity that singularly do not constitute a threat but when consider together can lead to the need to modify the risk*



EXAMPLES OF WEAK SIGNALS

- Pattern recognition algorithms fed by video streaming
- Suspicious messages generated by Cyber Threat Intelligence (use of social networks)
- Patterns related to cyber attacks to ICT infrastructures (of the event or the LEAs)
- Meteorological forecasting
- Feedback from security personnel
- ...

QUESTIONS



- How to combine weak signals?
- What is the threshold for weak signals?



THANK YOU!

LET'S GO TO ROUND TABLE

For more information visit:
<http://letscrowd.eu/>