TRACY

D6.2 Dissemination, Communication and Exploitation Activities Report 1 (Document, Report)

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Abbreviations

AI	Artificial Intelligence
BayHfoD	University of Applied Sciences for Public Administration in Bavaria
CEPOL	European Union Agency for Law Enforcement Training
EACTDA	European Anti-Cybercrime Technology Development Association
ECTEG	European Cybercrime Training and Education Group
ESP	Electronic Communications Service Provider
EU	European Union
GA	Grant Agreement
GCPI	Inspectoratul de Politie Judetean Galati
GDPR	General Data Protection Regulation (GDPR)
GPI	Inspectoratul General al Politiei
IDIAP	Fondation de l'institut de recherche IDIAP
KEMEA	Kentro Meleton Asfaleias – Center for Security Studies
KER	Key Exploitable Result
KPI	Key Performance Indicator
LEA	Law Enforcement Agency
MCP	Minister of Citizen Protection
PT	Performance Technologies
TL	TRACY Labs
TRACY	a big-data analyTics from base-stations Registrations And Cdrs e-evidence sYstem
TRL	Technical Readiness Level
WP	Work Package

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Executive Summary

The Dissemination, Communication and Exploitation Activites Report 1, developed under the Dissemination, Exploitation and EU Impact Work Package (WP6), presents an updated version of the TRACY Project's comprehensive strategy for dissemination, communication, and exploitation as explained in D6.1. This report encompasses various key aspects, including:

- Updated dissemination and communication objectives and channels
- Updated and narrowed identification of target audiences, stakeholders, key messages, and activity types
- Status of the project's visual identity and online presence
- Status of key performance indicators (KPIs)
- A detailed and updated activity roadmap outlining partners' responsibilities
- Thorough risk assessment considerations
- Updated exploitation and impact sustainability planning

This reports serves to present the current status quo of the activities that were planned in D6.1. As such it is a vital reference for consortium partners, to demonstrate what has already been achieved and where there is an urgent need for improvement. Thus, the document serves to direct their individual and collective endeavors towards disseminating, communicating and exploiting project outcomes with the aim of achieving high visibility, accessibility, and effective promotion of TRACY. Furthermore, this report establishes a framework for evaluating the impact of the TRACY project's communication and dissemination activities as well as for fostering the exploitation and sustainability of the project outcomes.

In M9, M12 and M18 the next updates on Dissemination, Communication and Exploitation Activities will be given, to ensure that its objectives are successfully met and any potential environmental changes are adequately accommodated.

Effective dissemination, communication, and exploitation are crucial steps for the successful adoption of the TRACY Platform. An important basis for all dissemination, communication, and exploitation activities is Article 17 of the Grant Agreement (GA). All beneficiaries commit to adhering to and actively pursuing the stipulations of Article 17 and all annexes throughout the project, with special attention to ensuring the visibility of EU funding when communicating and disseminating project-related information.

1 Introduction

1.1 About TRACY

Law Enforcement Agencies (LEA) must keep pace with increasingly sophisticated criminal activities that leverage advanced technologies. This necessitates their adoption of cutting-edge technologies and AI applications to avoid falling behind. However, it is crucial to balance this progress with compliance to fundamental rights and personal data protection laws, such as the European GDPR. These legal obligations can sometimes complicate the process of criminal prosecution.

The TRACY: a big-data analyTics from base-stations Registrations And Cdrs e-evidence sYstem project aims to address these challenges. It seeks to showcase new innovative approaches and AI-based methods for handling non-content data (metadata) provided by Electronic Communications Service Providers (ESPs). These approaches have the potential to greatly assist LEAs in investigating and prosecuting cases of organized crime and terrorism.

Therefore, the primary objective of TRACY is to develop and implement an open-source platform that utilizes AI and telecommunications metadata within a fully operational environment while respecting fundamental rights and personal data protection. To maximize its impact, the solution will be validated by additional LEAs participating in the project, with the intention of continued use beyond its completion. LEA personnel will receive training on the project's outcomes, which will be made accessible to CEPOL. Furthermore, TRACY will create a realistic anonymized dataset and share it with the EU LEA community, including Europol, for their use.

1.2 Purpose of the deliverable

Effective dissemination, communication, and exploitation are crucial steps for the successful adoption of the TRACY Platform. An initial plan for a concise strategy was rolled out in D6.1 – Dissemination, Communication and Exploitation Plan in M3. The TRACY Dissemination, Communication and Exploitation strategy encompass a diverse array of activities aimed at maximizing the project's impact and sustainability of its outcomes. The consortium partners committed themselves to enhancing TRACY's visibility, accessibility, promotion, and overall influence.

After the first 6 months of the project overall duration the initial dissemination, communication and exploitation strategy (see D6.1), which serves as a guide for all the actions that will be carried out until the end of the project, has been put into application with the joint efforts of the consortium. D6.2 "Dissemination, Communication and Exploitation Activities Report 1"

report presents the dissemination and communication activities that have been carried out during the first year of the project from September 2023 (M03) until November 2023 (M06), including an overview on the status of the related KPIs. It marks the first of four comprehensive updates and refinements mandated by the Grant Agreement (GA) [1]. It focuses solely on changes and adaptations made in comparison to the initial D6.1 document, with further details available there. Continuous monitoring and updates throughout the project's duration are integral to addressing potential risks and adapting to the evolving socio-political environment in the participating member states effectively.

In D6.1, we planned to improve knowledge exchange and engagement through conducting workshops, demos, and events, fostering collaborations with other Law Enforcement Agencies (LEAs), practitioners, and relevant stakeholders. Additionally, we intended to actively participate in international conferences, working groups, and scientific workshops to contribute to broader discussions in the field. To extend our reach, we established a project website and an online channel. To ensure widespread adoption and impact, we presented a comprehensive training plan on the project's background, tools, and methodologies[2]. Furthermore, dedicated workshops for LEAs will facilitate continuous feedback and refinement. Finally, we will host a final conference to showcase project results and encourage further collaboration and utilization of findings within the LEA community.

Each partner stated commitments within this plan of D6.1, assuming individual and collective responsibility to optimize the visibility of the TRACY project and effectively communicate its results and outputs to relevant stakeholders, leveraging their individual and joint outreach capacities. Furthermore, all beneficiaries commit to adhering to and actively pursuing the stipulations of Article 17 of the GA and all annexes throughout the project, with special attention to ensuring the visibility of EU funding when communicating and disseminating project-related information.

This document is a public document and thus transparently communicates all endeavours to fulfil the activities of Work Package 6 (WP6) of the TRACY project. Additionally, this document addresses the representatives of the HaDEA (European Health and Digital Executive Agency), the Project Officer, and the reviewers' team, to be aware of the project plans and facilitate them in monitoring the fulfilment of the obligations by the partners.

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[1] Grant Agreement No 101102641, Digital Europe 2022

[2] More details on the training plan can be found in D5.1.

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2 Updates on Dissemination and Communication Strategy

In Chapter 2 of D6.1, we initially outlined the dissemination and communication strategy. We explicated the scope of the dissemination and communication plan, identified target groups, defined the dissemination level, proposed key messages of the TRACY project for the various target groups and explained our dissemination channels. Here, we will report any changes/updates made between M03 and M06.

2.1 Open Access and archiving

A considerable volume of partners' work efforts is focused on conducting research and producing reports. This material is valuable in terms of effective dissemination of the project's contribution. The consortium will respect Article 17 of the Grant Agreement with regards to "COMMUNICATION, DISSEMINATION AND VISIBILITY", which states that the beneficiaries must promote the action and its results by providing targeted information to multiple audiences (including the media and the public).

In this sense, each beneficiary must ensure open access to all peer-reviewed scientific publications relating to its results. As such, peer-reviewed scientific publications and results will be made freely available on Zenodo, an open access repository supported by the European Commission and OpenAIRE.

The project has already established the TRACY Zenodo Community, which can be accessed through the following link: https://zenodo.org/communities/tracy-project

Institutional repositories and other subject-based/thematic repositories, such as arXiv, and publicly available registries, such as Open Research Europe Platform, will be also considered to further promote dissemination of results.

## 2.2 Dissemination and Communication Channels

This chapter exclusively reports changes and adaptations related to the Dissemination and Communication Channels introduced in D6.1. More detailed descriptions can be found there.

2.2.1   TRACY Website changes

2.2.1.1 Updated site menu

The TRACY website **https://tracy-project.eu** was recently extended. As a next version of the project website, PT introduced the frequently updated sections in the site menu:

- **Downloads:** designed to provide access to all the material produced in the course of the project concerning dissemination and overall promotion of the project's outcomes. This page will be constantly updated with related content, such as flyers, brochures, and the rest of the Media Kit material, peer-reviewed publications, public deliverables and project presentations, as presented in
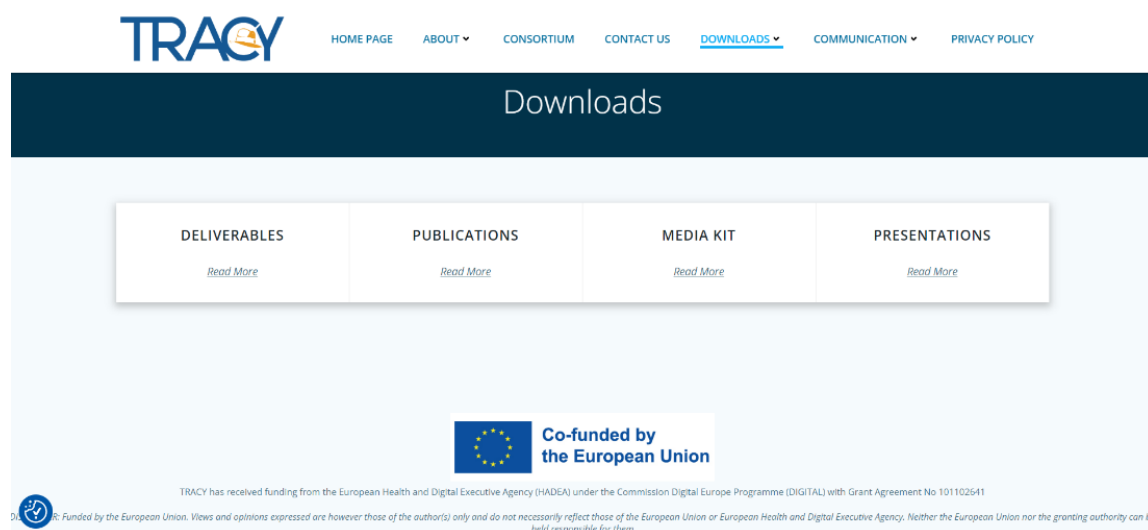
- Figure 1.

Communications: intends to present the latest project updates and information such as upcoming plenary meetings, technical workshops, participations in events, synergies with other projects, demonstrations, conferences, publications, newsletters, peer-reviewed papers, blog posts, etc., as presented in

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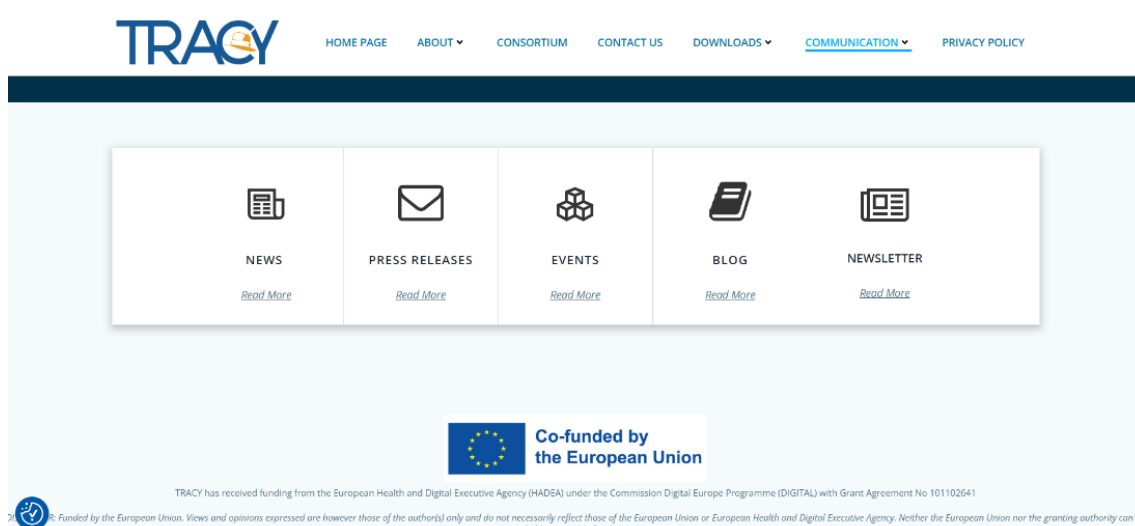
- Figure 2.

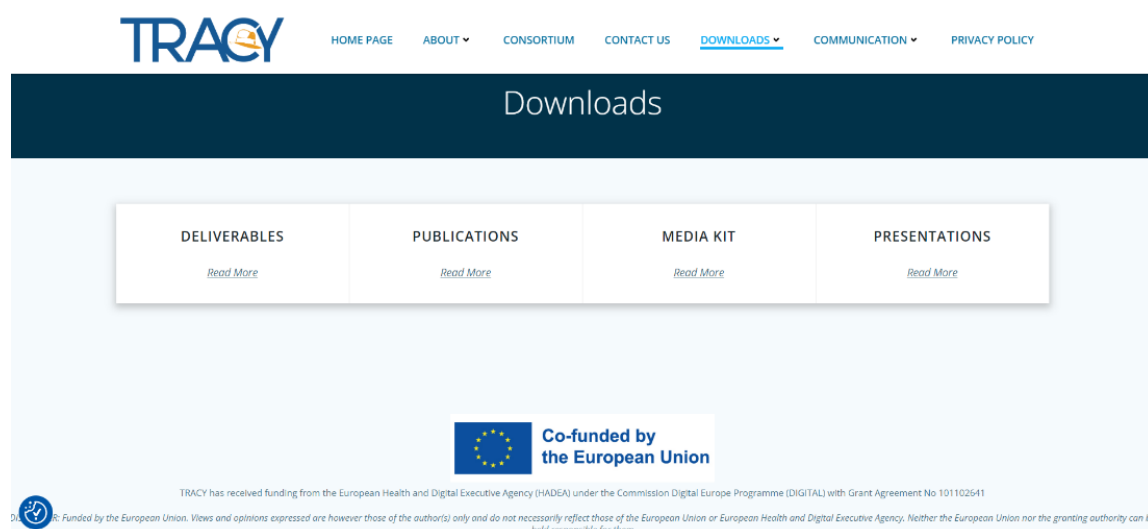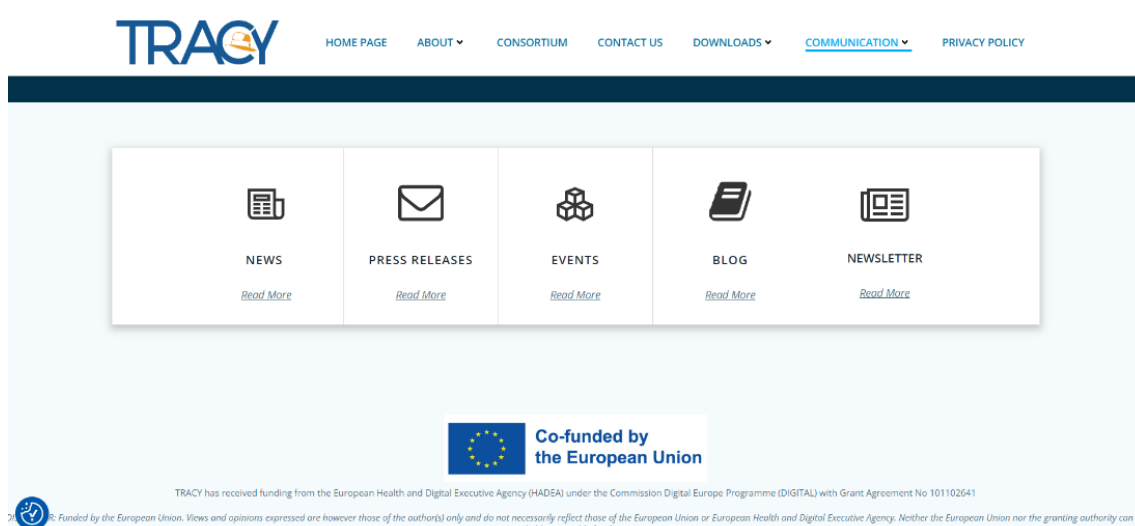**Figure 1 Downloads section of TRACY website**

Figure 2:Communication Section of TRACY website

2.2.1.2 Updated Privacy and Cookies policy

The TRACY privacy and cookies explains how the consortium, as the partnership that is implementing TRACY project, uses the personal data collected from the website visitors when they use the website. The visitors are informed that by using the website, they consent to the data practices described in the Privacy and Cookie Policy. They are also informed that TRACY partners are committed to complying with applicable data protection and privacy laws, while special attention is placed into security, privacy and confidentiality of the users' personal data, and to the full compliance with the applicable legal framework, the European Union's General Data Protection Regulation 679/2016. The users of the website are provided with details regarding the type of collected data, the way they are collected, used and stored, while they are explicitly presented with their personal data protection rights.

2.2.2   TRACY LinkedIn Channel

As planned in the DEC plan D.6.1 PT created a LinkedIn channel for the TRACY project:

https://www.linkedin.com/in/tracy-project-698ab82a1/

The LinkedIn channel is a cutdown version of the TRACY website. Performance Technologies will be responsible for maintaining and updating the LinkedIn page, carrying out any updates / reposts as they appear during the course of the project. Partners will also monitor closely the LinkedIn page and update information according to project developments. Partners who have a LinkedIn page for their own organization will share and repost news from the TRACY LinkedIn channel to expand its followership and spread the TRACY messages.
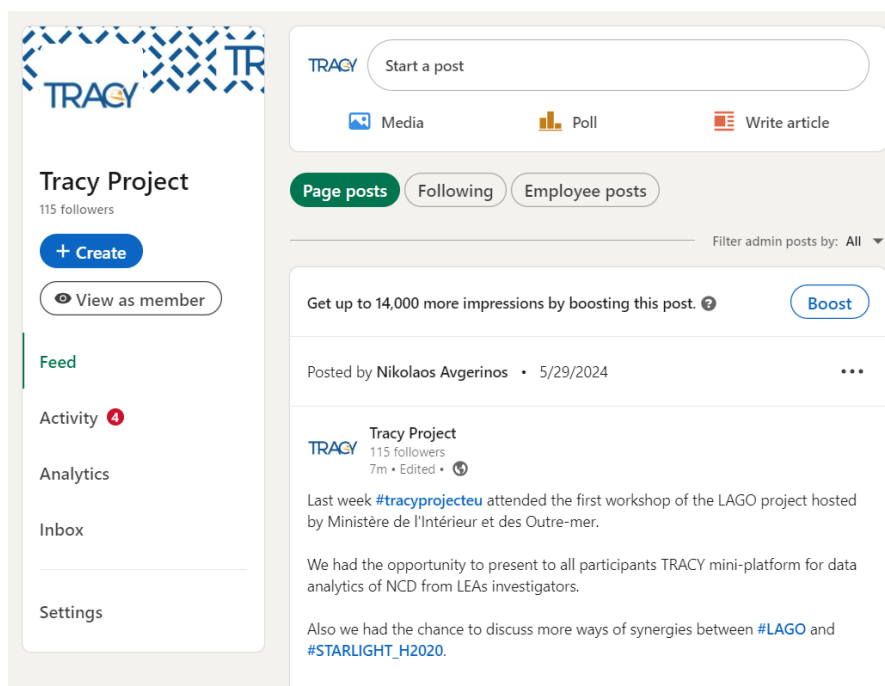
Figure 3: TRACY page at LinkedIn

2.3 Dissemination and Communication Material

In relation to D6.1. this chapter reports on the dissemination and communication material produced during the first six months of the project. Additionally, we provide here a statement on the EU emblem and the acknowledgement of funding. We present the TRACY communication kit as planned in the initial plan and provide a structure and process for the upcoming newsletters.

2.3.1 TRACY Communication Kit

The consortium is working on creating a Communication Kit that is to be integrated into the TRACY website.The final version of the kit will comprise an overall project presentation, a project presentation template, an electronic leaflet/brochure for easy download and distribution during dissemination events, and a roll-up banner for conferences and events throughout the project. These materials will soon be available on the project's website under the "Downloads" tab.

2.3.1.1 Brochure

An informative brochure is currently accessible as part of the TRACY communication kit. The content is in English, adhering to a contemporary and appealing design aligned with the defined TRACY Corporate identity. The brochure covers project details, including the acronym, title, a brief introduction, partnership information, presentation of use cases, website details, EU

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emblem, funding acknowledgment, and a disclaimer. The emphasis has been on providing clear information without technical jargon, accompanied by relevant images and graphical elements to effectively convey the message.

The brochure, available in high-quality printer-ready electronic files, is stored in the project's file repository for partners to print and distribute at organized physical events in the upcoming period. A planned update by Month 12 (M12) will address any modifications in the information and highlight major results or achievements the consortium wishes to promote.

Figure 4: TRACY brochure at project start

2.3.1.2 Roll Up Banner

The roll up banner is available in high-quality printer-ready electronic files, stored in the project's file repository for partners to print and distribute at organized physical events in the upcoming period. A planned update by Month 12 (M12), if needed, will address any modifications in the information and highlight major results or achievements the consortium wishes to promote.
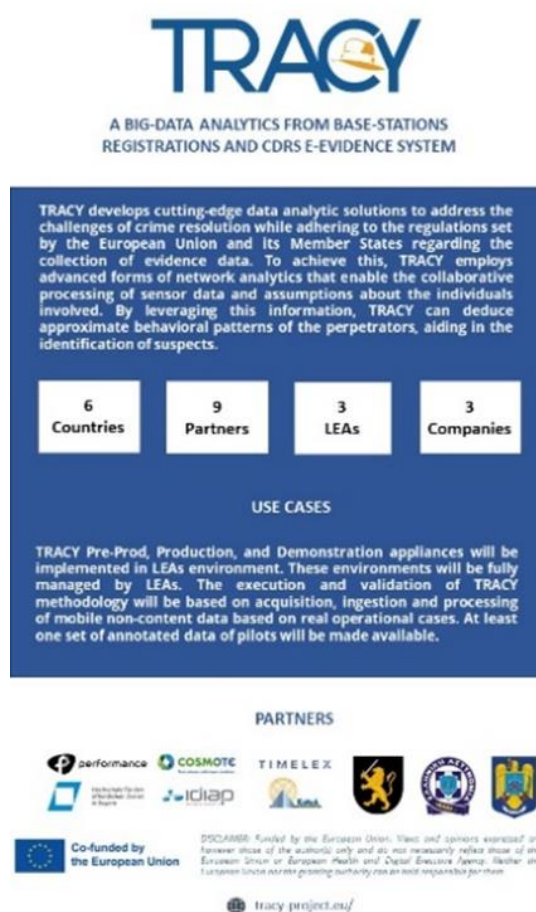
Figure 5: TRACY roll up banners at project start

2.3.2   Newsletters

Newsletters will be produced by PT with input from all consortium partners periodically, every six months, in order to provide updates on project activities and results, relevant events organised by the consortium, or ones that the project has been presented, planning of future events, peer-reviewed publications, etc. Newsletter recipients are stakeholders and interested parties that have subscribed to receiving the periodic issue, through the module available at the project website. The 1st newsletter was produced end of M6 having the following structure: (1) Brief Summary, (2) Objectives & Use Cases, (3) News, (4) Upcoming events, (5) Project achievements, (6) Meet our partners. The following newsletters will be available by M12, M18 and M24.

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Figure 6 TRACY project 1ˢᵗ newsletter available on project website

2.4 Completed Dissemination and Communication Activities

This chapter will provide an overview of the completed dissemination and communication activities for the period of interest (M03-M06).

2.4.1 Project organised Meetings and Workshops

Workshop on Mobile Technologies for LEAs – 13 Nov. 2023

In the context of WP6 the first of three workshops for LEAs was held on 13 November 2023 from 12:00h-16:00h. The following paragraph provides only fundamental information about the workshop

The workshop was about mobile technologies for LEAs, it was organized by COSMOTE, and it was attended by 25 members. It was structured in a way that it would include basic albeit useful technical and legal information for LEAs including not only presentations, but also Q&A sessions. The objectives of this Workshop were the following:

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(I) Partners would obtain a common understanding on how the mobile network operates as well as the interactions of the user equipment (UE) with the network and which of them are identifiable by the network.

(II) Description of the current legal framework in Europe and at national level that defines the data that the Mobile Network Operators (MNOs) are obliged to retain or not – to preserve the users' privacy - as well as the information exchanged between LEAs and MNOs.

Additional details can be found in D6.9 "Mobile technologies for LEAs", which is dedicated solely to this workshop.

2.4.2   Project related events & conferences

The following table provides an overview of events with presence of TRACY project members between M03-M06 of the project overall lifetime.

Table 1: Events with the representation by TRACY

Title	Location	Time	Link	Partner	Relevant WP
11th EDEN Event: Whisperers of Contrast	Madrid, Spain	18-19/09/2023	https://www.europol.europa.eu/publications-events/events/11th-eden-event-whisperers-of-contrast-madrid-spain	Timelex	WP2
Security Research Event 2023	Brussels, Belgium	24-25/10/2023	https://www.securityresearchevent.eu/	PT, Timelex	All
EU Innovation Hub Annual Meeting	Brussels, Belgium	03/10/2023	https://www.europol.europa.eu/publications-events/events/eu-innovation-hub-for-internal-security-annual-event	IDIAP	WP2, WP3, WP4, WP6
DG HOME CERIS annual event for FCT	Brussels, Belgium	05-06/10/2023		IDIAP	All

2.4.3   Formed synergies with relevant projects

The following table gives a brief overview about the established synergies with relevant projects in the EU landscapes and indicates participating TRACY partners if available. More on the projects and other deployment projects can be found in Appendix A.

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Table 2: Synergies with relevant projects in the EU landscape

Project	Link	Relevance to TRACY	Participating partner
EMPOWER	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/org-details/937308770/project/101102724/program/43152860/details	EMPOWER aims on facilitating the adoption of AI-powered tools by LEAs to enhance their investigative capacities, achieved through piloting 8 innovative tools across Image/Video, Voice/Text, and Federated Learning domains.	n/a
ROXANNE	https://www.roxanne-euproject.org/	The ROXANNE investigative platform is deployed and continuously maintained by IDIAP and another (SME) partner. TRACY technologies are planned to be linked to ROXANNE platform, as complementary solutions to pre-process traffic data available to LEAs from CSPs.	IDIAP
NOTIONES	https://www.notiones.eu/	NOTIONES will establish a network to connect researchers and industries with the intelligence community. This network will facilitate exchange on new and emerging technologies but also equip solution providers with insights on the corresponding needs and requirements of practitioners. The so gained findings will be disseminated in periodic reports containing technologic roadmaps, priorities and recommendations for future research projects and development activities.	BayHfod
POLIIICE	https://poliiice-project.eu	POLIIICE enhances European LEAs against 5G and encryption challenges and suggests mechanisms for improved information exchange within legal and ethical bounds. Synergies with TRACY can be build on the technological and legal level.	BayHfoD and KEMEA

2.4.4   Synergies with EU Initiatives

The TRACY project aims not only on expanding existing synergies and relations with projects descried in chapter 2.4.3, but also to establish new synergies, collaborations and exchange of

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information with other EU initiatives. Especially with those that the TRACY consortium partners have contacts with, while keeping in mind confidentiality and data protection.

Appendix A provides an updated overview of additional projects that project partners are already collaborating with or involved in. of the project. Additionally, communication channels with the following key stakeholders are aimed it create:

- **ENLETS:** The Public Order Technical Interest Group (TIG) aligns with the ENLETS spirit to facilitate knowledge transfer, best practices, and cooperation among relevant groups. Its primary goals include creating an overview of current public order topics in the EU, systematizing LEAs' gaps and needs, and identifying technological innovations to enhance officer support.

- **EOS (European Organisation for Security):** The voice of the European security industry and research community. Operating in 15 different countries, EOS Members provide security research, solutions and services across many security domains, including border, cyber, transport and crisis management.
  -

2.4.5 Individual Dissemination and Communication Activities

2.5.4.1 Performance Technologies

The Project Coordinator (PT) has initiated dissemination and communication activities, including the creation of a visual identity and project logo, a functional project website (www.tracy-project.eu), and printable informative materials like posters and flyers used at the kick-off meeting. A project newsletter in Greek was sent to the press in Greece, targeting the project's kick-off meeting.

Furthermore, PT has established contact with the European Anti-Cybercrime Technology Development Association (EACTDA) and plans to deliver a project presentation in Q3/2023. Additionally, collaboration has been initiated with the EMPOWER project, which focuses on piloting investigative tools in various fields, and exchanges of information have taken place with Europol and CEPOL, particularly regarding proposed TRACY trainings.

2.4.5.1 COSMOTE Mobile Technologies

COSMOTE has included the TRACY project in the company website in the Research and Innovation part (in Greek and in English):

- https://www.cosmote.gr/cs/otegroup/en/tracy.html

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- https://www.cosmote.gr/cs/otegroup/gr/tracy.html

2.4.5.2 Center for Security Studies (KEMEA)

- Presentation of the Tracy Project during the CT Inflow – StratCom WorkShop of CEPOL has been agreed.
- Relevant stakeholders – potential users (at national level) of the platform have been informed.
- Coordination meeting has been made with the Communication Team of the organization, in order to highlight the dissemination activities of the project, being ready for relevant actions such as reposts on social media, press releases and communication material.

2.4.5.3 IDIAP Research Institute

- Idiap has added TRACY project to the list of R&D collaborations, and is externally visible and indexed: https://www.idiap.ch/en/scientific-research/projects/TRACY

2.4.5.4 Timelex

Timelex has posted about the TRACY project on the firm's LinkedIn as well as has created the dedicated subpage on the firm's website:

- https://www.linkedin.com/company/timelex/
- https://www.timelex.eu/en/horizon-projects/tracy

Revisions on the website are in progress since TRACY as been falsely allocated to a tab named "H2020 and Horizon Europe projects".

The project's representatives have attended the 11th EDEN Event: Whisperers of Contrast as well as Security Research Event in an effort to represent TRACY and exchange information. After each event, a LinkedIn post has been made, also mentioning Timelex's involvement in TRACY.

2.4.5.5 University of Applied Sciences for Public Service in Bavaria (BayHfoD)

BayHfoD has included the TRACY project on the company website in its Research part

- https://www.fhvr-polizei.bayern.de/pol/forschung/eu-projekte/aktuelle-eu-projekte/index.html

With its strong connections to other EU projects, BayHfoD shared a brief overview of the TRACY project within the EU Project NOTIONES (https://www.notiones.eu/project/) where the news will be incorporated in a short newsletter. The NOTIONES project seeks to counter the growing risk of cyberattacks by establishing a network of security and intelligence practitioners to monitor research and innovation, suggest strategies, and disseminate insights through workshops and conferences. TRACY news will be shared within the NOTIONES project on a regular basis.

2.4.5.6 Galati County Police Inspectorate

Galati County Police Inspectorate has included a post about TRACY on the institutional site: www.gl.politiaromana.ro , containing a brief description of the project and a link to www.tracy-project.eu

2.4.5.7 Moldavian General Police Inspectorate

The TRACY project is discussed at internal meetings within the GPI with all analytical experts and follows the publication of the press release on the objectives and progress achieved through the implementation of the project on the Police page.

2.5 Monitoring and Key Performance Indicators

In this section the general overview of the Dissemination and Communication KPIs is reported to monitor the progress made so far against threshold values for Year 1 of the project.

2.5.1 Key Performance Indicators (KPIs)

The KPIs set regarding the activities already mentioned in the previous paragraphs are depicted below and updated for a current overview of progress:

Table 3: TRACY Communication and Dissemination KPIs (M1-M6)

Dissemination/Communication KPI	Target	Y1 Planned	Y2 Planned	Status M6
Scientific Papers (publications in open scientific journals/ conferences, Open Research Europe or book chapters)	2	1	1	0
Clustering with other projects: Joint Clustering Meetings	2	1	1	0
Presentations of results in international events and conferences	2	1	1	0
Distribution of leaflets in international events	800	400	400	100

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TRACY Final Conference with emphasis in exploitation of results	1	0	1	0
Project identity (Project presentation template (part of the media kit))	1	1	1	1
Brochure (A4 brochure developed at project start, updated at M12)	3	2	1	1
Roll up banner	1	1	0	1
Newsletters	4	2	2	0
No of Press Releases	2	1	1	1
No of visitors at the website by M24	500	200	300	50 unique users/views
No of LinkedIn followers	200	100	100	30
No of training activities (TRACY Labs)	3	1	2	0
No of TRACY workshops	3	2	1	1
No of meetings with LEAs	4	2	2	1
No of events where TRACY is (re)presented	4	2	2	4
No of contacts established with DIGITAL-2021 & 2022-DEPLOY funded projects	1	1	2	1
No of contacts established with H2020 & HE projects	2	2	1	3
No of EU organizations/institutions reached	3	1	2	1
No of Working Groups reached	2	1	2	1

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3 Conclusions & Next Steps

This Dissemination, Communication and Exploitation Report 1 serves a four-fold purpose, as elaborated throughout the chapters:

- Firstly, it reports dissemination and communication activities for the first six months of the project. In parallel, it acts as a reference and guide for consortium partners during the execution of dissemination and communication and exploitation activities and provides an overview of the current status of progress.
- Secondly, it facilitates consistency, message discipline, and coordination within the consortium.
- Thirdly, as a public deliverable it tries to give a transparent overview of TRACY's progress and objectives that are followed with this project.
- Lastly, the plan provides a framework to monitor the impact and of these activities and work on the sustainability of the project outcomes.

The document depicts the flowing process of DEC-activites and planning and updates the initial planning of D6.1. This way it ensures the successful implementation of a dissemination and communication strategy of the TRACY project.

Regarding the exploitation plans of the TRACY project, a systematic stepwise approach is proposed. The first step, that is the initial identification of the key exploitable results (KERs) generated in TRACY, has been taken. The next step will now be to follow a structured process on elaborating these KERs and work on a concise methodology for market and business modelling. Tools and strategies were proposed in this report. The Business analysis based on the Value Proposition Canvas will take place as a next step to explore and foster KERs' exploitation. Last but not least, the partners will continue working on their individual exploitation plans to be updated as the project progresses.

Bi-annual reporting on the dissemination, communication and exploitation activities will be delivered until the end of the project, according to the GA. The next version of this deliverable (D6.3) is expected on M12 and it will follow up the communication, dissemination and exploitation activities that mark the completion of the first half of the project. The final report will be presented in D6.5 (M24).

Appendix A: Projects for potential Synergies with TRACY

H2020 and Horizon Europe Projects

- **ROXANNE** (Real time netwOrk, teXt, and speaker ANalytics for combating orgaNized crimeE, H2020, 09/19-12/22): A project aiming to combat organized crime by combining speech technologies, face recognition, and network analysis to facilitate criminal identification. https://www.roxanne-euproject.org/

- **CYCLOPES** (fighting CYberCrime – Law enfOrcement PractionErS' Network, H2020, 05/21-04/26): A project bringing together industry and academia to combat cybercrime, creating an innovation-driven network for LEAs against cybercrime. It aims to identify solutions, research activities, and innovative products to help LEAs tackle the complexity of cybercrime. https://www.cyclopes-project.eu/

- **AIDA** (Artificial Intelligence Data Analysis, H2020, 09/18-02/22): A project with an AI-based framework for big data analytics in crime and task-specific applications. It offers LEAs a TRL-7 integrated, modular, and flexible AIDA framework available in a secure sandbox environment. https://www.project-aida.eu/

- **GRACE** (Global Response Against Child Exploitation, H2020, 06/20-11/23: An EU-funded project using machine learning techniques to address challenges in fighting child sexual exploitation. GRACE applies a Federated Learning approach to improve analysis and information flow, enabling cooperation between LEAs. https://www.grace-fct.eu/

- **INFINITY** (Immerse. Interact. Investigate, H2020, 06/20-05/23): A project that combines virtual and augmented reality innovations, AI, machine learning, big data, and visual analytics to equip investigators with cutting-edge tools for data acquisition, processing, visualization, and action in law enforcement. https://h2020-infinity.eu/

- **NOTIONES** (iNteracting netwOrk of inTelligence and securIty practitiOners with iNdustry and acadEmia actorS, H2020, 09/21-08/26): The NOTIONES project seeks to counter the growing risk of cyberattacks by establishing a network of security and intelligence practitioners to monitor research and innovation, suggest strategies, and disseminate insights through workshops and conferences. https://www.notiones.eu/project/

- **SAFE CITIES** (Horizon Europe, [11/22]-[12/24]): SAFE-CITIES aims to enhance public safety through a dynamic security assessment platform, leveraging 3D simulations of crowd behavior and threats. The project, driven by governmental, non-governmental institutions, and technology companies, emphasizes collaboration to ensure public space safety while maintaining openness. https://safe-cities.eu/

- **STARLIGHT** (Sustainable autonomy and resilience for LEAs using AI against high priority threats, H2020,[10/21]-[09/25]: The STARLIGHT project aims to unify law

enforcement, researchers, and industry in Europe, fostering AI adoption in security. It emphasizes a human-centric approach, transparency, legal safeguards, and protection against AI misuse. The project strives to boost AI for law enforcement, ensuring trust, accountability, and long-term sustainability. **https://www.starlight-h2020.eu/**

- **LAGO** (Lessen Data Access and Governance Obstacles, [11/22]-[10/24]): LAGO establishes a trusted European Research Data Ecosystem to tackle data challenges in researching crime and terrorism. It aims to overcome sharing barriers, define privacy requirements, design a reference architecture, and create an implementation roadmap for an open and secure infrastructure, validated within the FCT community. **https://lago-europe.eu/**

- **POLIIICE** (POwerful Lawful Interception, Investigation, and IntelligenCE, Horizon Europe, [10/22]-[09/25]): POLIIICE enhances European LEAs against 5G and encryption challenges. It implements innovative lawful interception measures, explores QUDDaaS, and suggests mechanisms for improved information exchange within legal and ethical bounds. **https://poliiice-project.eu**

DIGITAL-2021 & 2022-DEPLOY funded projects

- DIGITAL-2022-DEPLOY-02-LAW-SECURITY-AI**;** EMPOWER is an EU funded project to facilitate the adoption of AI-powered tools by Law Enforcement Agencies (LEAs) to enhance their investigative capacities, achieved through piloting 8 innovative tools across Image/Video, Voice/Text, and Federated Learning domains. https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/org-details/937308770/project/101102724/program/43152860/details

- DIGITAL-2021-DEPLOY-01-TWINS-HEALTH, An ecosystem for digital twins in healthcare (EDITH)

- DIGITAL-2021-DEPLOY-01-LIVING-EU, Governance of the Living-in.EU community (Go Li.EU)

- DIGITAL-2021-DEPLOY-01-BAUHAUS, Digital ecosystem for the New European Bauhaus initiative (digiNEB.eu)

- DIGITAL-2022-DEPLOY-02-BLOCKCHAIN-STANDARD, 1) Supporting Europe's Effort in Blockchain/DLT Standardisation (SEEBLOCKS.eu), 2) Empowering European Experts' leadership in Blockchain Standardisation (BlockStand)

- DIGITAL-2022-DEPLOY-02-ELECTRONIC-ID, 1) Digital Credentials for Europe (DC4EU), 2) EU Digital Identity Wallet Consortium (EWC), 3) PilOTs for EuropeaN digiTal Identity wALlet (POTENTIAL), 4) EU Digital Wallet Payment Use Case - Support to the implementation of the European Digital Identity Framework (EDIF) and the implementation of the Once Only System under the Single Digital Gateway Reg (NOBID Wallet).

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- DIGITAL-2022-DEPLOY-02-EBSI-SERVICES, 1) EBSI enabled VErifiable Credentials & Trusted Organisations Registries (EBSI-VECTOR), 2) Proposal for the deployment of EBSI production nodes and provision of support services to EBSI network at the european level (EBSI-NE), 3) Traceability Reference Architecture Conformant EBSI for European Union (TRACE4EU), 4) OnePass - the EBSI compliance SSI and Blockchain solution for 'SMEs Financing EBP's Use Case (OnePass).