



[1. Brief Summary]

The search for leads and evidence, including lawful access to communications data, is the cornerstone of law enforcement investigations and prosecutions, bringing criminals to justice. Law Enforcement Agencies (LEAs) have reported that non-content data (metadata) provided by Electronic communications Service Providers (ESPs), play a determinative role in an investigation or for the prosecution of cases of organized crime and terrorism.

The proposed TRACY solution is an innovative digital forensic and investigation platform to identify suspects (in relation to time and space) of serious organized crimes and terrorism in dense urban areas. TRACY will apply advanced ML algorithms on Non-Content Data (NCD) provided by ESPs.

The aim of TRACY is to significantly advance the process of LEAs investigations and prosecutions and to provide further identification of persons for whom there was no suspicion of involvement in a terrorist act or serious crime prior to the evaluation and should therefore be further examined by the competent authorities (Intelligence Led Policing (ILP)).

Our newsletter is published twice a year, offering updates on the latest news and advances of the project!

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[2. Objectives and use cases]

01 AI adaptation: LEAs reported that there is still a cluster of cases that cannot make use of non-content data in their favour. The primary reason behind this fact is the lack of knowledge in the domain of data processing and AI modelling on the part of LEAs. TRACY aims to close this gap by adapting AI tools specific for LEAs.

02 Promoting prototypes to tools: TRACY aims to provide LEAs with a Technology Readiness Level (TRL) – 8,9 platform that will fulfil the strict criteria for scalability and security. For the scope of delivering a fully functional tool, there will be four versions of the TRACY solution.

03 Technology Transfer, Training and Complementarities with previous Projects: TRACY will focus on technology transfer and complementarity mainly between ROXANNE (and other previous and running European projects).

04 On-premises Large-Scale Pilot: The TRACY methodology will be applied to several real cases on the Production environment running on LEA's premises for a period of at least 6 months.

05 Real World Cases: The aim of the project is a permanent uptake of the solution among LEAs of the consortium, after the piloting phase, ensuring that the proposed solution fulfills

the requirements of usability, efficiency and compliance with EU standards as regards privacy and data protection.

O6 Non-Discrimination and non-bias: The data that will be leveraged for the scope of this project are mainly metadata, thus not introducing biases. TRACY will make use of practices that promote fairness where needed and explore the broad landscape of fairness algorithms.

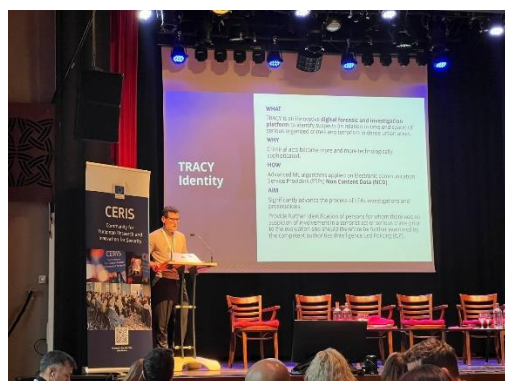
O7 Conform to Legal Frameworks: Our objective is to minimise the need for identifiable personal information, to bare minimum (necessary to achieve the objectives of TRACY), so our algorithms reach a satisfactory performance.

O8 Create Data Space for Security and LEAs: It is a primary objective of TRACY project to create and provide realistic but not real dataset based on the experience stemming out from operational cases and share that with the LEAs ecosystem.

[3. News]

On 14 December 2023, TRACY project was present at Community for European Research and Innovation for Security, CERIS annual event 2023 – Fighting Crime and Terrorism/Resilient Infrastructure, organised by European Commission's Directorate-General for Migration and Home.

Objective of the presentation was to cover aspects related a) to the challenges related to datasets involved in the project activities and b) information about shareable datasets and in cooperation with other projects/initiatives.



On 14 December 2023, TRACY project was present at Infocom World 2023 Conference and Exhibition during the research-oriented Workshop “Modern Research and Development Projects: Creating the Pillar for Investment and Innovations in the ICT Converged (Vertical) Markets”. TRACY project presentation was part of Session 8 emphasizing on the context of assessing AI for the support of cyber resilience and (cyber-) security in modern 5G (or B5G) infrastructures.



[4. Project Achievements]

Submitted deliverables

D1.1 Management Handbook, QA and risk management

D1.2 Report on State of the Art, End user requirements, Use Cases & Technical Requirements

D2.2 Data protection impact assessment

D5.1 Training methodology and framework description

D6.1 Dissemination, communication and exploitation Plan

D6.2 Dissemination, communication and exploitation activities Report 1

D6.6 Project Website

Upcoming deliverables

D2.3 Platform & Appliances Detailed Design Specifications

D3.1 TRACY Platform Prototype (Development Appliance)

D5.2 Training Material 1

D5.4 Training Environment Development

D6.3 Dissemination, communication and exploitation activities Report 2

D6.10 Data analytics for LEAs

[5. Meet our partners]

Fact sheet

Project Title	a big-data analyTics from base-stations Registrations And Cdrs e-evidence sYstem
Acronym	TRACY
GA No	101102641
Start	1 June 2023
End	31 May 2025

Budget	2,075,960.50
EU Funding	1,371,967,38
Call	DIGITAL-2022-DEPLOY-02
Granting authority	European Health and Digital Executive Agency
Topic	DIGITAL-2022-DEPLOY-02-LAW-SECURITY-AI

Consortium



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