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ROXANNE

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Collaboration

Sister Projects

LOCARD
FORMOBILE
FROM MOBILE PHONES TO COURT

LEA Cluster

PROTAX · CC-DRIVER · COPKIT · PREVISION · LOCARD · ROXANNE · RAYUELA · INSPECTr · DARLENE

Consortium Partners

ADDITESS · AEGIS IT RESEARCH · AIRBUS · BRNO UNIVERSITY OF TECHNOLOGY · Capgemini · idiap RESEARCH INSTITUTE · INTERPOL · ITML · KEMEA · FORENSIC SCIENCE CENTER OF LITHUANIA · L3S Research Center · POLICIJA MUP RH · Netherlands Forensic Institute, Ministry of Justice and Security · PHONEXIA · ZITiS · Keeping People Safe · HENSOLDT Detect and Protect · TRILATERAL RESEARCH · transcrime Joint Research Centre on Transnational Crime · UNIVERSITÀ CATTOLICA del Sacro Cuore · UNIVERSITÄT DES SAARLANDES

ROXANNE: Real Time Network, Text, and Speaker Analytics for Combating Organized Crime

Technologies to Enhance the Fight Against Crime and Terrorism

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 833635

About ROXANNE

ROXANNE (Real time network, text, and speaker analytics for combating organized crime) is an EU funded collaborative research and innovation project, aiming to unmask criminal networks and their members as well as to reveal the true identity of perpetrators by combining the capabilities of speech/language technologies and visual analysis with network analysis.

ROXANNE collaborates with Law Enforcement Agencies (LEAs), industry and researchers to develop new tools to speed up investigative processes and support LEA decision-making. The end-product will be an advanced technical platform which uses new tools to uncover and track organized criminal networks, underpinned by a strong legal framework.

The project consortium comprises 26 European organisations from 16 countries while 11 of them are LEAs from 10 different countries.

H2020 ROXANNE: Project at a glance

Title:	Real Time Network, Text, And Speaker Analytics For Combating Organized Crime
Type of Action:	Research & Innovation Action
Topic:	SU-FCT02-2018-2019-2020 (Technologies to enhance the fight against crime and terrorism)
Grant Number:	833635
Total Cost:	7 M€
EC Contribution:	7 M€
Start Date:	September 2019
End Date:	December 2022
Duration:	40 Months
Project Coordinator:	IDIAP, Switzerland
Project Website:	ROXANNE-euproject.org

Progress Update

Project Start – Sep 2019
We focused on creating **strong internal processes** and defining objectives clearly.

First Field Test – Sep 2020
Attended by **90+ representatives** from the law enforcement, technology experts, policymakers, and research community from all over Europe and beyond.

Mid-Project Review
Shared project updates & received **encouraging feedback** from EC reviewers.

We Are Here – Late 2021
The focus is now on **exploitation efforts, testing on real data** and getting **expert feedback**.

Video, Blogs, Newsletter & Publications
Completed 2 videos, 24 blogs, 3 newsletters and 32 publications in all.

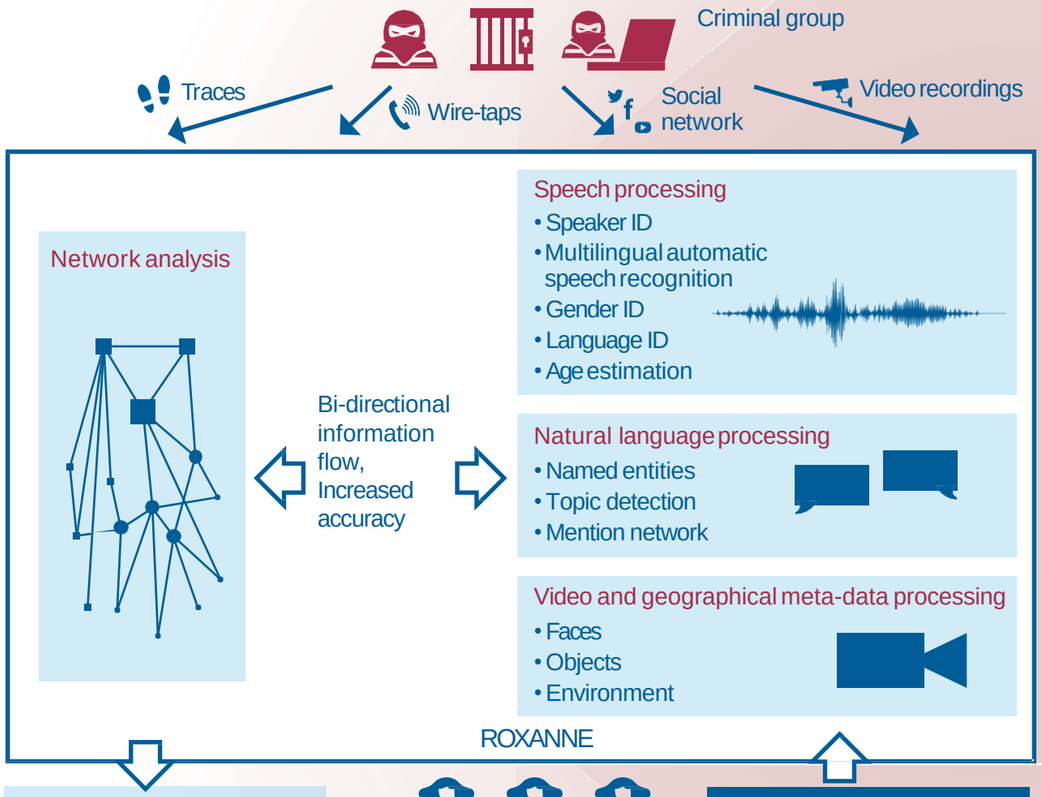
Project End – Dec 2022
The project will end with an **active exploitation plan** and **publishing of results** achieved.

Disclaimer: This text and its contents reflect only ROXANNE's view. The EU is not responsible for any use that may be made of the information it contains.

Objectives of ROXANNE

1. Develop a ROXANNE analytics platform enhancing investigation capabilities especially for large criminal cases.
2. Improve identification of persons of interest by developing a two-way interface between multimodal (speech/text and video processing) technologies and criminal network analysis.
3. Enhance criminal network analysis technology to significantly reduce network size and to aid decision making by police practitioners.
4. Develop a dashboard for visualisation of investigation output and integrate with existing tools.
5. Deploy and evaluate the ROXANNE platform on real criminal cases, help the LEAs adopt the technology in their daily work.
6. Comply with EU and INTERPOL legal and ethical frameworks through internal expert analysis and external ethics and stakeholder boards.

Overall Framework



Visit the ROXANNE website to learn more about this project, our ambitions, partnership, scope, events and other recent developments. You can also subscribe to our regular newsletter and project updates on our website.