LOCARD

Lawful evidence collecting and continuity platform development
"Toute action de l'homme, et a fortiori, l'action violent qu'est un crime, ne peut pas se dérouler sans laisser quelque marque."
- Edmond Locard, La Police et Les Méthodes Scientifiques.
"Any human action, let alone violent action that is a crime, can not take place without leaving some mark." - Edmond Locard, The Police and Scientific Methods.
LOCARD Consortium

Start Date: 1st May 2019
Duration: 36 months
Budget: 6,843,385.00€

https://locard.eu

This project has received financial support from the European Union Horizon 2020 Program under grant agreement no. 832735
LOCARD will provide a holistic platform for chain of custody assurance along the forensic workflow and a trusted distributed platform allowing the storage of digital evidence metadata in a blockchain.
Real-Time Evidence

- Crowdsourced Intelligence
- Data Collection modules
  - Intelligent Crawler
  - Investigator’s Toolkit
- Mobile devices
- Streamed data
Follows national standards, laws and methodologies for the chain of custody (investigation, acquisition, preservation, transfer, storage etc.)

Employs Smart Contracts in order to audit the use of evidence and actions taken throughout case management

All the evidence as well as the chain of custody will be court-proof eliminating any doubts
Legal frameworks in all relevant national levels as well at EU level will be analysed to identify and develop proper mechanisms to facilitate cross-jurisdictional use of digital evidence, enhancing LEAs’ capabilities especially in cases when time is crucial (e.g. Child abuse)

Suitable identity management and access control methodology to meet the requirements of LOCARD and all its stakeholders
Actors

- Law enforcement agencies
- Digital forensics labs and analysts
- Security consulting companies
- Investigators belonging to LEAs or security consulting companies
- Citizens reporting cybersecurity related incidents
- Online service providers
- Organisations with security breaches
- Social Live Streaming Services
Use case scenarios

• Automated collection of digital evidence and case management
• Suspected presence of pedopornographic material
• Data exfiltration from an organization’s database server
• Illegal streaming of unlicensed content
Impact (1)

- Novel, technologies, tools and systems, addressing traditional or emerging forms of crime and terrorism
- Improved investigation capabilities, especially regarding quality and speed
- Increased efficiency and effectiveness of information sharing among EU LEAs
- Prevention and reduction of criminal and terrorist threats
Impact (2)

- Harmonisation of information formats at international level
- Improved cross-border acceptance and exchange of court-proof evidence
- Standardised evidence collection
- Harmonised procedures in the investigation of trans-border crimes in full compliance with applicable legislation on protection of personal data
LOCARD Stakeholders benefit from:

- Building the latest blockchain technology
- Developing new ways for handling audit trails more efficiently and robustly
- Improving the techniques to fight against cybercrime in the EU
- Delivering new forensics tools and methodologies
Join the LOCARD Stakeholder Network

- Industrial and commercial community
- Scientific community
- Security-related public bodies, CERTs, CSIRTS, NGOs, and law-enforcement agencies

Join our stakeholder network now by contacting LOCARD on:

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Thank You

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