



# AVALANCHE

COMBATING TRANSNATIONAL ILLEGAL ACTIVITY THROUGH INTERNATIONAL COOPERATION

## ENHANCING LAW ENFORCEMENT OPERATIONS THROUGH INNOVATIVE COLLABORATIVE INVESTIGATION TOOLS

While technological solutions for investigations and global cooperation do exist, they are mostly fragmented and myopic, focusing on very narrow and isolated functions within their own boundaries without ensuring interoperability and international cooperation.

To address this, AVALANCHE will develop an innovative, high-tech solution empowering law enforcement agencies (LEAs) to combat the evolving threats of **hate speech**, **disinformation**, and **deepfakes**, leveraging advanced open source intelligence gathering, AI-driven analytics, and cross-border intelligence-sharing. AVALANCHE will enhance the ability of LEAs to detect, analyze, track, investigate and prevent **high-risk criminal networks** activity, focusing on malicious synthetic media use, coordinated influence campaigns and online incitement-bolstering resilience.



Collection of evidence



Collaborative investigations



Pervasive interoperability



Broadening LEAs capabilities

### OBJECTIVES

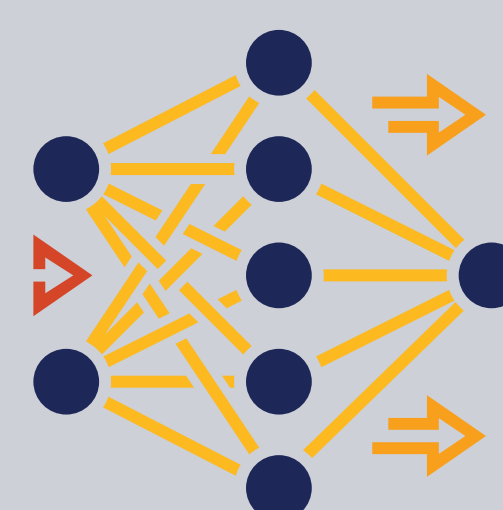
Boost partner SMEs through the co-development of advanced AI-fuelled solutions which facilitate LEAs investigating high-risk criminal networks.

Fertilize the ecosystem of LEAs and related and stakeholders ensuring ubiquitous cooperation, quicker innovation uptake and actionable law enforcement response.

Support criminal investigations through harmonised cross-LEA information exchange and cooperation through the adoption of mature cross-disciplinary technologies.

### TECH

Comprehensive data collection through dark and surface web crawling  
NLP- and AI-driven multimodal analysis, correlation and prediction  
NLP- and BERT-driven sentiment analysis  
Knowledge graph and NLP-driven behavioural analysis  
Secure interconnections for cross-border information exchange



### USE CASES

**DETECTION, INVESTIGATION, ANALYSIS & RESPONSE**  
**EVIDENCE-BASED SECURE INFORMATION EXCHANGE**

### AREAS



Hate speech



Disinformation



Deepfakes

### PARTNERS



netcompany  
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