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RED-Alert Project Midterm Progress

For Immediate Release

29/11/2018

[Herzliya, Israel, November 28/11/2018] – The RED-Alert project is a research and innovation project funded by the European Union’s Horizon 2020 programme to develop new online content monitoring and analysis tools to fight terrorism.

To fight the war against terror, Law Enforcement Agencies (LEAs) are increasingly relying on social media intelligence, a new field of intelligence covering a wide range of applications, techniques

and capabilities analyzing social media data, such as Natural Language Processing (NLP), Social Network Analysis (SNA), Artificial Intelligence (AI) and Complex Event Processing (CEP).

The vision of RED-Alert is to develop a real-time system able to facilitate the timely identification of terrorism-related content by summarizing data from social media.

In order to achieve this vision RED-Alert has a number of objectives:

1. Improve available building blocks (NLP, SNA, CEP) and combine them with artificial intelligence (AI) in order to support the language, usability and privacy-preserving requirements of the RED-Alert solution
2. Integrate all building blocks (NLP, SNA, CEP) in a holistic solution with real-time collaborative capabilities and create a baseline system (development environment) for current and future use
3. Involve law enforcement agencies in the specification and the demonstration of the RED-Alert solution
4. Disseminate the project results in the scientific and law enforcement communities, prepare the exploitation of the RED-Alert solution and its individual modules

RED-Alert will approach the end of its 18 month of activity at the end of November 2018. During this period, the consortium partners have accomplished to organize and participate in and 33 events & 6 internal meetings, brief more than 25 representatives of different diplomatic organizations, NGO's, LEA's & universities, publish 52 articles & publications and submit 11 deliverables.

May-August 2018



REAL-TIME EARLY DETECTION AND ALERT SYSTEM

For online terrorist content based on Natural Language
Processing, Social Network Analysis, Artificial
Intelligence and Complex Event Processing

"RED-Alert involves a lot more than a computer recognizing certain words. The technology we are building will be able to process massive amounts of unstructured data – such as social media posts – in order to identify meaningful relationships and spot potential threats"

Jennifer Woodard, CEO of Insikt Intelligence



Among our accomplishments and deliverables submitted, you can find:

1. Law Enforcement Agency: Use Case Scenarios. The main objective of this deliverable is to gather and analyze scenarios proposed by the LEA partners in order to identify and describe the initial high-level user requirements of the Red-Alert project.
2. Technical Requirements Specification. The main objective of the requirements specification is to detail the general technical requirements necessary for the project, which will be used at the starting point for development of solution.
3. Core modules developed for NLP, SMA, SNA, CEP, Data Anonymization, and Data Visualization
4. Review of relevant EU/national laws and regulations. The Comparative Analysis Report (CAR) presents a study of existing and proposed legislation both at supra-national and international level in the field of law enforcement, supported by scholarly works and reports, in an attempt to identify the legal implications, contained within the Legal Requirements Report (LRR), underpinning the technical aspects of the RED-Alert Project.
5. Dissemination plan. The aim of the Dissemination plan is to provide a strategic, coordinated and consistent approach to the dissemination and communication measures to be carried out, in order to enhance the impact of the project results.
6. Exploitation Plan first version released. The Exploitation plan draft, initiates the creation of the exploitation plan for the RED-Alert platform covering the societal and related trends, the target user groups, a SWOT analysis, the business plan of the partners and the expected impact.
7. Project website launching.
8. D6.1 : System release v1. This report summarizes the work performed so far during Task 6.1 "Integrate RED-Alert components into the RED-Alert solution", presenting the results of the first iteration. The focus of the task is to integrate the components and modules developed in previous Work Packages (WP2, WP3, WP4 and WP5) into a unified RED-Alert system, which will comprise three separate architectural layers.
9. 3 technical meetings: Herzliya (September 2017), London (January 2018), Bucharest (July 2018)

10.3 consortium meetings: Bucharest (June 2018-Kick off), Malta (2018), Barcelona (November 2018)

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"Red alert is on its midway of untinting several technologies into one homogenous tool as well as several LEAs to be able to share the same database.

The project is facing several challenges on its way to achieve its goal, some are technical, other results of ongoing changes in the world of terrorism, and just recently few more that were born as part of the new introduced GDPR.

We will start within the next few months the pilot, the heart of our project. I am sure that we are in good stage and are able therefore to reach our objectives in good time". - Lt. Col. (Res.) Uri Ben Yaakov

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