THE VICTORIA CONSORTIUM

14 partners from 7 different countries including 4 Law Enforcement Agencies (France, Romania, Spain, UK), 6 renowned research groups, 2 SMEs and 2 industrial companies, world-leaders in security markets have joined their expertise and efforts as partners of the project.

The VICTORIA project coordinated by IDEMIA is also being supported by external experts to advise the consortium and provide independent peer review to the project and its results all along the project life.

Project partners

- IDEMIA, France
- Thales Communications & Security SAS, France
- AIT Austrian Institute of Technology GmbH, Austria
- Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., Germany
- Universidade Técnica de Lisboa, Portugal, France
- Universitat Politècnica de Valencia, Spain
- IUU Luxembourg, Belgium
- University of Konstanz, Germany
- Ministère de l’Intérieur, France
- Home Office, United Kingdom
- Ministerio del Interior, Spain
- Servicio de Protección y Paza, Romania
- ARTTIC, France
- MANZALAB, France

THE VIDEO-ANALYSIS-FOR-INVESTIGATION (VAFI) COMMUNITY

One basic element of an ecosystem is that its members can get together. There is a need for a place where the exchanges between video investigation experts from the user side and experts from supplier, research and development side can take place. VICTORIA therefore manages an on-line community of video-analysis-for-investigation (VAFI) experts. This community focuses its activities on exchanging best practices in VAFI, sharing experiences made with VAFI tools and technologies, exchanging benchmarking results, sharing VAFI technology news, documents, pointers/links, organising on-line training courses, and exchanging video data created for testing purposes.

JOIN THE VAFI COMMUNITY!

Visit the VICTORIA website to find out more:

www.victoria-project.eu

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VICTORIA PROJECT COORDINATOR

VICTORIA has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 740754.
THE PROJECT AND ITS CHALLENGES

The main challenge is to develop technologies that meet the real operational needs of the end users (LEA investigators):

- Operational scenarios: 6 operational scenarios, representative of legal investigations: environment, events / persons / objects have been selected,
- Analytic tools: the video analytics to be developed are selected according to these operational scenarios, in order to be able to detect all targets,
- Ground truth data video production: a set of real and synthetic videos with ground truth data are produced to serve as reference for the developments and tests.

Moreover:

- An on-line platform dedicated to the Community of video-analysis-for-investigation (VAFI) experts is provided for hosting professional communities related to research and innovation domains.

This community is focussing its activities on exchanging best practices in VAFI, sharing experiences made with VAFI tools and technologies, exchanging benchmarking results...

PROJECT OVERVIEW

The analysis of multimedia content collected by national and regional Law Enforcement Agencies (LEAs) from many varied sources has become a critical component in investigations related to major criminal acts and terrorist attacks.

The amount of video data relevant for legal investigations is continuously increasing with the rapid deployment of video equipment. This goes from surveillance cameras, body-worn cameras (police forces or private carrier) to smartphones or digital cameras used by bystanders recording crime scenes. Even in some occasions, criminals/terrorists themselves post videos on the Web that they have recorded during the act.

In spite of this growth, the whole video investigation work is still mostly carried out manually by the LEA officers. These current practices are too resource intensive to handle the huge and steadily increasing volume of videos that need to be analysed. Consequently, post-event extraction of vital first clues from videos meet unreasonable delays.

The H2020 European funded project VICTORIA is addressing this need and will deliver an ethical and legally compliant video analysis platform that will accelerate the video analysis tasks of LEAs.

THE EXPECTED RESULTS

Within the 3 year project, VICTORIA develops:

- A robust and accurate TRL-6 video analysis technology, that will boost LEA’s investigative capacity;
- Increased usability of video analysis tools;
- Cost and time reduction for video investigation;
- Crimes solved faster, by using all LEA’s available videos;
- Prevention of further terrorist attacks;
- Better citizens protection;
- Trained LEA investigators in the use of video investigation tools;
- Integration of ethical considerations and the EU legal framework, including the General Data Protection Regulation;
- Grounds for further innovation potential.