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Detecting and ANALysing Terrorist-related online contents and financing activities

## D12.4 - Final report on Dissemination Activities

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### DANTE Project

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4	Ciaotech S.r.l.	CTECH	Italy
5	RISSC - Centro Ricerche e Studi su sicurezza e criminalità	RISSC	Italy
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7	Vocapia Research	VOC	France
8	United Technology Research Centre Ireland, Limited	UTRC	Ireland
9	Agnitio SL	AGNI	Spain
10	AIT Austrian Institute of Technology GmbH	AIT	Austria
11	Trilateral Research Ltd	TRI	UK
12	Fundación Deusto	FD	Spain
13	Pragsis Technologies	PRG	Spain
14	KU Leuven	KUL	Belgium
15	Home Office	CAST	UK
16	Ministerio da Justiça - Polícia Judiciária	PJ	Portugal
17	Ministerio del Interior - Guardia Civil	GUCI	Spain
18	Ministero della Difesa - Carabinieri	ITCC	Italy

## Document History

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V.0.1	31/01/2018	Draft	CTECH	First draft for internal review
V.0.2	22/02/2019	Draft	CTECH	Suggestions, comments implemented after the consortium meeting in Rome.  New check on dissemination data, 6 partners still missing so far.
V0.3	28/02/2019	Final	CTECH	Comments and review by ENG, CERTH and RISCC implemented.
V0.4	07/03/2019	Final	ENG	Minor changes

## Definitions, Acronyms and Abbreviations

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ACRONYMS / AB-BREVIATIONS	DESCRIPTION
CMS	Content Management System
DMS	Document Management System
DOA	Description of Actions
EC	European Commission
e-newsletter	Electronic newsletter
EUAB	End User Advisory Board
H2020	H2020 Framework Programme
LEA	Law Enforcement Authorities
WP	Work Package



## Table of Contents

---

Executive Summary .....	8
1 Introduction.....	9
1.1 General objectives of the dissemination activities .....	9
1.2 Target groups .....	9
1.3 Dissemination strategy.....	9
2 Dissemination activities.....	11
2.1 Dissemination and attendance in conferences and scientific papers submissions.....	11
2.2 Dissemination in security fairs .....	15
2.3 Scientific publications in journals.....	15
2.4 DANTE workshops .....	16
2.4.1 DANTE Workshop on trainings for LEAS & DANTE Final Conference: Opportunities and Challenges with using Technology in the fight against the terrorism at EU Level.....	17
2.5 The DANTE training sessions .....	21
2.5.1 First training session – 24 October 2018, Rome (Italy) .....	21
2.5.2 Second Training session – 20 November 2018, Lisbon (Portugal) .....	23
2.6 Other strategic events.....	24
2.6.1 The Security Research Event 2018.....	26
3 Public outreach.....	28
3.1 DANTE website.....	28
3.2 Statistics on the project website .....	29
3.3 DANTE newsletter .....	32
3.4 Online e-Books .....	37
3.5 Social channels .....	40
4 Linking/Interactions with other projects .....	45
5 The End User Advisory Board .....	52
5.1 The End User Advisory Board functions and objectives.....	52
5.2 The members of the End User Advisory Board .....	52
5.3 The letter of confidentiality .....	54
6 Conclusions.....	55
7 The Dissemination Tables.....	56
8 ANNEX I – Letter of Confidentiality .....	113

## List of Figures

---

Figure 1: Agenda of the DANTE workshop in Rome .....	18
Figure 2: Agenda of the DANTE conference in Rome .....	19
Figure 3: DANTE final conference in Rome, WP3 presentation.....	20
Figure 4: DANTE final conference in Rome.....	21
Figure 5: Agenda of the DANTE training session in Rome .....	22
Figure 6: Agenda of the DANTE training session in Lisbon .....	24
Figure 10: DANTE at the Workshop on Radicalisation organised by the Radicalisation Awareness Network	25
Figure 8: Workshop DANTE in Lisbon .....	25
Figure 11: DANTE at the Security Research Event 2018.....	27
Figure 12: DANTE homepage in several languages .....	29
Figure 13: DANTE website statistics on users and pageviews .....	29
Figure 14: DANTE website average active users.....	30
Figure 15: DANTE website user geographical distribution .....	30
Figure 16: DANTE website statistics on users and pageviews .....	31
Figure 17: DANTE website average active users.....	32
Figure 18: DANTE website user geographical distribution .....	32
Figure 19: DANTE Newsletter nr. 1.....	33
Figure 20: DANTE Newsletter nr. 2.....	34
Figure 21: DANTE Newsletter nr. 3.....	35
Figure 22: DANTE Newsletter nr. 4.....	35
Figure 23: Dissemination of the first DANTE newsletter through the project Twitter account .....	36
Figure 24: Dissemination of the first DANTE newsletter through institutional website (PNO group) .....	36
Figure 25: Dissemination of the first DANTE newsletter through partners institutional website.....	37
Figure 26: Dissemination of the first DANTE newsletter through LinkedIn.....	37
Figure 27: Booklet from DG HOME.....	38
Figure 28: Booklet on EU-Funded Projects Tackling Ideology And Polarisation .....	39
Figure 29: Strategic orientations on a coordinated EU approach to prevention of radicalisation for 2019 ...	40
Figure 30: DANTE twitted by partner ENG .....	41
Figure 31: Dante mention in the EU Research & Innovation Magazine .....	42
Figure 32: DANTE mention in the SRE event .....	44
Figure 33: DANTE mention in the EUROCRIME website.....	46
Figure 34: DANTE mention in the CORDIS website .....	46
Figure 35: DANTE mention in the MMM19 website .....	47
Figure 36: DANTE at the special session Large-scale big data analytics for online counter-terrorism applications .....	48
Figure 37: DANTE mention in the EL PAIS website .....	50
Figure 38: DANTE sister projects page .....	51

# List of Tables

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Table 1: End User Advisory Board members .....53

## Executive Summary

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The present document is a refinement of *D12.2 - Dissemination Plan* released at month 6, and of the *D12.3- First report on dissemination activities* (released in M18) where the main purposes of the dissemination activities, the targeted stakeholders of the project, the communication materials available and the main channels to be used/already used in carrying out the dissemination activities, as well as the whole dissemination strategy are deeply illustrated.

The current deliverable has been continuously updated describing the dissemination activities performed by the consortium in the reporting period from month 19 to month 30, in addition to what already implemented from month 1 to month 18.

Section 1 recaps some preliminary information on the dissemination strategy and target users, while sections 2 and 3 summarize the actual activities performed in the reporting period from project month 1 to month 18, and from month 19 to month 30, to disseminate its results. These are divided in traditional dissemination activities (section 2) and link with sister projects (section 3). Section 4 finally describes the interaction with the End User Advisory Board.

# 1 Introduction

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## 1.1 General objectives of the dissemination activities

The main general objectives of the dissemination activities of the DANTE project are the following:

- To raise stakeholders' awareness about the project and the achieved results;
- To maximize the effectiveness of the communications towards stakeholder groups;
- To undertake actions for broad dissemination of the project results to the relevant stakeholders;
- To establish collaborations with related projects and to set up synergies when appropriate for creating cross synergies among European initiatives;
- To promote and raise awareness of DANTE technical and scientific results towards scientific community.

In order to fulfill and achieve these general objectives, DANTE consortium has planned a set of actions aiming at:

- Defining and creating a set of dissemination means to be used in the dissemination activities to maximize the effectiveness of the spread messages and properly address stakeholders;
- Planning a set of dissemination channels to be used for carrying out the activities and reaching specific stakeholder groups;
- Defining a strategy to properly address stakeholders using the proper means with the correct message and with the proper timing.

## 1.2 Target groups

The main target groups addressed by the DANTE project are the following:

- **Law Enforcement Authorities (LEAs)** and governmental stakeholders mainly from the security and fight-against-terrorism sector: this target group is the main stakeholder of the project since it represents the direct and main end user of the DANTE platform once realised. Furthermore, these stakeholders are the most involved in the fight against crime and the ones who carry out investigations and prevention.
- **ICT and web-related industry:** companies directly involved in the technology fields within the scope of the DANTE project will be addressed since as they are interested in the technologies implemented by project partners and their possible end users.
- **Scientific and academic community** will be among target groups given their interest in the scientific advancement of the technologies implemented and demonstrated in the DANTE project.
- **Public at large:** general public is also considered a key stakeholder group of the DANTE project since European citizens have a great interest in the fight against terrorism and in the effectiveness of LEAs and EU effort in ensuring safety and security in EU.

## 1.3 Dissemination strategy

Dissemination and communication activities are essential to guarantee to achieve a strong impact of the DANTE results within stakeholder groups. According to the innovation aims and the scope of the project, the dissemination activities are carried out paying due attention to the confidentiality, the property rights issues

and the security of citizens at large. For this reason, only public information is disseminated and a strong collaboration among partners is sought in order to have clear understanding and agreement about information that can be published.

In order to maximise the impact and the effectiveness of the dissemination, the activities carried out and the means and channels used have been selected among the available ones according to the specific communication and the specific stakeholder groups that have to be reached.

For this reason, the strategy of the dissemination drafted in this section is based on the typology of stakeholder that partners want to address and it is inspired on the following criteria:

- Disseminating and valorising the project results and steps, increasing the awareness of the potential targets and end users, through the participation to international events and the use of traditional and online channels for public outreach;
- Involving the target audience identified and possibly interested to the purpose of the project, mainly through workshops organised by the project with the support of the advisory board;
- Increasing the communication impact, through the consortium alignment to highlight/promote any specific initiatives/results as well as establishing collaborations with other EU projects in the same thematic area.

## 2 Dissemination activities

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The usage of diverse communication channels has the main aim to maximize the communication impact, ensuring that the DANTE project will exploit many different kinds of events reaching many different kinds of possible stakeholders.

The communication channels that are used are both based on the Internet and on the social networks, and on traditional channels, such as conferences, industrial and security fairs, journals and traditional magazines.

### 2.1 Dissemination and attendance in conferences and scientific papers submissions

In order to increase the impact of the dissemination and communication campaign of DANTE during the project life cycle, the presence of the project in international conferences was ensured.

DANTE partners presented the achieved public results of the projects at the most relevant international conferences related to the security sector and to the main technology areas within the scope of the DANTE project. To this end, the most relevant conferences have been continuously monitored in order to have a vision of the conferences where project results were presented.

**In the first reporting period, the partners attended many national and international conferences and they submitted many conference papers. Below are provided details about the papers submitted in journals and in conference proceedings:**

- The paper **“Speaking Truth to Computational Power: Coding Non-Discrimination by Design”**, written by Thomas Marquenie and Erik Zouave, was submitted in the first reporting period. In January 2018 it was officially notified that it is currently under peer review for a special issue on AI from the Online Information Review [http://www.emeraldgrouppublishing.com/products/journals/call\\_for\\_papers.htm?id=7902](http://www.emeraldgrouppublishing.com/products/journals/call_for_papers.htm?id=7902). **The paper was also presented in the Next Generation Community Policing Conference 2017**, October 2017, Heraklion, Greece: partner KUL presented the paper “Speaking Truth to Computational Power: Coding Non-Discrimination by Design”, Thomas Marquenie and Erik Zouave
- **EISIC 2017**, 10 September 2017, Dekelia Air Base, Attica, Greece: partner KUL submitted the paper **“An Inconvenient Truth: Algorithmic Transparency & Accountability in Criminal Intelligence Profiling”**, Erik Zouave and Thomas Marquenie (This paper presentation was implemented in the first reporting period, in the second it was published in IEEE <https://www.computer.org/csdl/proceedings/eisic/2017/2385/00/2385a017-abs.html>).
- **Ice2017**, special session **“Fighting against crime using video analysis”**, 27-29 June 2017, Madeira, Portugal: CERTH presented the paper **“Incorporation of Semantic Segmentation Information in Deep Hashing Techniques for Image Retrieval”**. The paper has been published on **Zenodo** at the following link: <https://zenodo.org/record/1076432#.WpaxsOjwY-d>.
- **International Conference on Machine Learning and Data Mining**, MLDM 2017, 15 July 2017, New York, NY: accepted CERTH’s paper **“Global Flow and Temporal-shape Descriptors for Human Action Recognition from 3D Reconstruction Data”**. The paper has been published on **Zenodo** at the following link: <https://zenodo.org/record/1087115#.WpayEejwY-d>.

- **Computers, Privacy & Data Protection 2018**, January 2018, Brussels (Belgium): partner KUL published the paper “**You’ve been Measured, You’ve been Weighed & You’ve been Found Suspicious - Biometrics & Data Protection in Criminal Justice Processing**”, Erik Zouave, Jessica Schroers: <https://lirias.kuleuven.be/2347543> in the conference proceedings.
- **International Workshops on Hybrid Statistical Semantic Understanding and Emerging Semantics, and Semantic Statistics co-located with 16th Extended Semantic Web Conference (ISWC 2017)**, 21-25 October 2017, Vienna, Austria: partner ESI participated to a research workshop targeted to computer science experts, with the paper “**Towards a Vecsigrafo: Portable Semantics in Knowledge-based Text Analytics**”, R. Denaux and J. M. Gomez-Pérez, and an oral presentation of the project. The paper is **open access** published on **CEUR**, available at <http://ceur-ws.org/Vol-1923/article-04.pdf>. The full workshop proceedings are at <http://ceur-ws.org/Vol-1923/>.

During the first reporting period partners took part also in special sessions and they gave many oral presentations in the following conferences:

- **ISS World Europe**, 13-15 June 2017, Prague, Czech Republic: partner AGNI made a presentation entitled the “Voice Biometrics and Speech Technologies. A whole new offering for criminal identification and intelligence”, V. Gomis.
- **ISS World Europe**, 13-15 June 2017, Prague, Czech Republic: partner VOC made a presentation entitled the “Speech processing technologies for OSINT and COMINT” in which VOC presented the speech processing research being done in the context of the DANTE project.
- **LT-Innovate**: Invite talk and LT-Innovate Defense and Security Panel participant. Speech Technologies for OSINT and COMINT. Lori Lamel, October 11, 2017 Brussels.

In the framework of the dissemination actions implemented, DANTE jointly organized with other H2020 project **ASGARD**, **FORENSOR** and **SURVANT** the event **AVSS2017**, the 14<sup>th</sup> IEEE International Conference on Advanced Video and Signal based Surveillance, namely the Workshop entitled “Analysis of video and audio “in the Wild” Addressing real-world data sources to support the fight against crime and terrorism”, which took place from 29 August – 1 September 2017, in Lecce, Italy. More information are available at the following link <http://avss2017.vcl.it/it/>. Further details about this jointly activities can be found in the section dedicated to Linking/interactions with other projects (Section 4).

In the second reporting period, the project partners attended many events, special sessions, workshops and international conferences, where they submitted many conference papers, detailed as follows:

- **International Conference on Content-Based Multimedia Indexing (CBMI)**, 2018: partner **CERTH** submitted the paper “Deep 3D flow features for human action recognition”, Athanasios Psaltis, Georgios Th. Papadopoulos and Petros Daras, on November 1<sup>st</sup> 2018 <https://zenodo.org/record/2551020#.XHUrbuhKhPY>.
- **CERTH** presented the paper **A Reliability Object Layer for Deep Hashing-Based Visual Indexing** in the framework of the MMM19 in January 2019; **Deep 3D Flow Features for Human Action Recognition** was presented during the CBMI18 in September 2018; **Deep Multi-modal Representation**



**Schemes for 3D Human Action Recognition** was presented in the framework of IEEE Transactions on Circuits and System for Video Technology in 2018.

- Partner **AGNI** presented the paper **DANTE Speaker Recognition Module. An Efficient and Robust Automatic Speaker Searching Solution for Terrorism-Related Scenarios** (authors Jesús Jorrín and Luis Buera) in the framework of MMM19, January 2019; the paper was also published in the framework of the Lecture Notes in Computer Science book series, on December 2018: [https://link.springer.com/chapter/10.1007%2F978-3-030-05710-7\\_58](https://link.springer.com/chapter/10.1007%2F978-3-030-05710-7_58).
- Partner **VOCAPIA** published the paper **Exploring Temporal Reduction in Dialectical Spanish: a Large-Scale Study of Lenition of Voiced Stops and Coda-s** in the framework of ISCA Interspeech 2018 and the paper **Challenges in audio processing of terrorist-related data** during the MMM19.
- **UTRC**: Conference paper “**Video summarization with LSTM and Deep Attention Models**” written by L. Lebron Casas and E. Koblents made in December 2018 and published in the framework of the MMM 2019, available here: [https://doi.org/10.1007/978-3-030-05716-9\\_6](https://doi.org/10.1007/978-3-030-05716-9_6).
- Partner **PRAGSIS** presented the paper **Advanced Analytics Tool for Criminological Research of Terrorist Attacks** in the framework of the **XXXIV Congress of the Spanish Society for Natural Language Processing (SEPLN)**, which took place in September 2018 in Seville (Spain).
- **INNEN**: Scientific paper in the framework of the MMM19: “**A semantic knowledge discovery framework for detecting online terrorist networks**”, made by Daniele Toti, Luigi Lomastro, Rosario di Florio, Andrea Ciapetti, Giulia Ruggiero, Giuseppe Miscione in the journal ICEIS 2019.
- Paper in the framework of ISCA Interspeech 2018: **Exploring temporal reduction in dialectal Spanish: a large-scale of study**, made by **VOCAPIA** on September 2018.

**DANTE partners attended many workshops, events and conferences where they also gave oral presentations of the project results. The list below provides more information about these actions implemented in the second reporting period:**

- Partner **INNOVATION ENGINEERING, CERTH, VOCAPIA, UTRC and AGNITIO** attended the **MMM19: the Multimedia Modeling Conference 2019**, which took place in Thessaloniki (Greece) from 8<sup>th</sup> to 11<sup>th</sup> January 2019.
- **VOX-POL CONFERENCE: VIOLENT EXTREMISM, TERRORISM, AND THE INTERNET: PRESENT AND FUTURE TRENDS** was organized by VOX POP and took place in Amsterdam, 20 and 21 August 2018. Partner **PJ** attended it.
- Partner **AIT** participated in several conferences: the **ECSO SWG 6.5 Meeting**, held in Brussels (Belgium) on 25<sup>th</sup> January 2019; the **8<sup>th</sup> CYBER R&T AHWG Meeting**, which took place in Brussels (Belgium) on February 7<sup>th</sup>, 2019; the **All Summit Conference**, held in Vienna (Austria) on 22<sup>nd</sup> February 2018; the **IKT Sicherheitskoferenz**, which took place in Albad on October 1<sup>st</sup>, 2018; the **D-A-CH Expertentreffen Technologievorausschau Conference**, held in Thun on 26<sup>th</sup> September 2018; the **EB-DVF18: The business of platforms: strategy in the age of digital competition, innovation and power**, on 13 November 2018, Vienna, Austria.
- Workshop **Odyssey 2018**, 26-29 June 2018 in Les Sables d’Olonne, France, where **AGNI** participated.
- Partner **ENGINEERING** attended the **Octopus Conference on Cybercrime and Evidence**, held in Strasbourg (France) from 11<sup>th</sup> to 13<sup>th</sup> July 2018, the **Freedom and Security Conference**, which took place in The Hague (Netherlands) on 22<sup>nd</sup> – 23<sup>rd</sup> November 2018, the **CPDP Conference 2019**, held in Brussels (Belgium) on January 2019 and the **EBDVF18 conference**, which took place in Vienna (Austria) on 13<sup>th</sup> November 2018.

- Partner **INNEN** attended the event **Tecnologie informatiche per la Protezione delle Infrastrutture Critiche**, which took place in Rome on 12th December 2018 and will attend **ICEIS Conference 2019**, which will take place from 3rd to 5th May 2019, in Heraklion, Greece.
- Partner **PROMT** attended the exhibitions **CeBit**, held in Hannover in June 2018, and **IFA** which was held in Berlin in August 2018.
- Partner **VOCAPIA** participated in the **ISS World Europe 2018**, which took place in Prague (Czech Republic) from 5<sup>th</sup> to 7<sup>th</sup> June 2018, during which made a presentation about the speech processing research for OSINT and COMINT being done in the context of the Dante project.
- Partner **UTRC** attended the **Analytics Conference 2018**, held in East Hartford (USA) in May 2018 and organized an internal seminar in UTRC premises (Ireland) with around 20 people.
- Partner **AGNITIO** attended the **ISS Prague**, which took place in Prague (Czech Republic) on June 6th 2018.
- Partner **TRILATERAL RESEARCH** participated in the 18th edition of the **EUROCRIM: the Annual Conference of the European Society of Criminology: Crimes Against Humans and Crimes Against Humanity, Implications for Modern Criminology**, held in Sarajevo (Bosnia) from 28th August to 2nd September 2018.
- Partner **KUL** organized and attended several conferences: the **Octopus Conference on Cybercrime and Evidence**, held in Strasbourg (France) from 11th to 13th July 2018, the **Cyberspace as a Criminal Enabler**, held in Sarajevo on 31st August of 2018, the **Freedom and Security Conference**, which took place in The Hague (Netherlands) on 22nd – 23rd November 2018, **The Victims of Cybercrimes: legal aspects on protection and liabilities, held in Jerusalem** (Israel) on October 14th – 16th, 2018; **CT2 Conference**, held in Amman (Jordan) on 12th December 2018; **CPDP Conference**, held in Brussels (Belgium) on February 1st, 2019.
- Partner **RISSC** gave a presentation “**Transnational organized crime and terrorism: is there a nexus?**” in the framework of a training course organized by Representative John Cabot and **UNICRI**, 7-11 June 2018, Rome, Italy.
- Partner **PRAGSIS** participated in the **XXXIV Congress of the Spanish Society for Natural Language Processing (SEPLN)**, held in Seville (Spain) in September 2018.
- Partner **EXPERT SYSTEM** participated in the **Tutorial on Hybrid Techniques for Knowledge-based NLP**, held in Monterey (California), on 8th October 2018.
- Partner **CERTH** organized the special session “Large-scale big data analytics for online counter-terrorism applications” in the **MMM19 (Multimedia Modeling Conference 2019)**, which took place in Thessaloniki (Greece) from 8<sup>th</sup> to 11<sup>th</sup> January 2019. The special session was particularly tailored to the core scientific and application targets of DANTE.
- The DANTE consortium participated and organized the final conference hold in Rome on 20<sup>th</sup> February 2019.

**Other type of actions were implemented**, for example the partner **KUL** published two articles on KULEVEN’s website: Law Enforcement and personal data processing in Italy: implementation of the Police Directive and The new DATA retentions law and the ICANN, WHOIS and GDPS: three elephants in the cyber room, available at the following link <https://www.law.kuleuven.be/citip/blog/>.

## 2.2 Dissemination in security fairs

A special attention was given to the dissemination actions implemented in the framework of the security fairs, during the entire project lifetime. More details about the DANTE attendance in these specific events are provided below.

- Partner **AGNI** participated to **HOMESEC (Security & Defense Technologies)** fair on 8/9 May 2017, in Madrid (Spain) with an exhibition stand.

Moreover, during the reporting period, **VOC** participated at security fairs as the following:

- **WISG workshop**, organized by the French National Research Agency (ANR). Overview of research and development advances in the domain of global defense and security; it took place on the second half of September.
- **TIM workshop**, Organized by the French Government Defense. Overview of research and development advances in the domain of defense; it took place on the 5<sup>th</sup> of July 2017 in Paris (France).
- **Milipol 2017**: VOC was an exhibitor in Milipol 2017 held November at the Paris Parc d'Exposition and Jodie Gauvain presented a short talk in the about Vocapia's speech processing technologies in the Horizon 2020 session.
- Partner **ENGINEERING, EXPERT SYSTEM, CERTH, INNOVATION ENGINEERING, VOCAPIA, UTRC, TRI-LATERAL RESEARCH, AIT and DEUSTO** participated in **the SRE2018, The Security Research Event** held in Brussels (Belgium) on 5-6 December 2018. A dedicated paragraph about this event is further included in the [2.6.1](#).

## 2.3 Scientific publications in journals

A list of scientific publications over journals is following:

- Partner **CERTH** submitter the paper **Deep Multi-Modal Features for 3D Human Action Recognition**, written by Athanasios Psaltis; Georgios Th. Papadopoulos; Petros Daras, published in IEEE Transaction on Circuits and Systems for Video Technology (IEEE TCSVT) in 2018.
- Partner **PRG** submitted the paper **Journal of Spanish Society for Natural Language Processing**, on NLP terrorist incident summarization in English.
- Partner **PROMT** published the paper **With software against terrorism**, written by Ann-Katrin Raudszus and published on Hamburg's Economy by Chamber of Commerce, Hamburg, Germany in 2017. The paper is available here: <http://hamburger-wirtschaft.de/pdf/062017/index.html#44/z>.

During the second reporting period, other scientific publications on journals were released:

- Partner **PRG** published the paper **Advanced analytics tool for criminological research of terrorist attacks**, written by Marta Romero Hernández and published on Procesamiento del Lenguaje Natural in September 2018: <http://journal.sepln.org/sepln/ojs/ojs/index.php/pln/article/view/2018-61-27/3400>
- Partner **UTRC** submitted the paper **Video Summarization with LSTM and Deep Attention Model**, written by L. Lebron Casas and E. Koblents in December 2018 which is currently under peer review and it will be published in 2019.
- Partner **DEUSTOTECH** submitted the paper **Content-based authorship identification for short text**, written by Unai Bermejo Fernández, José Gaviria de la Puerta, Iker Pastor-López, Borja Sanz, Pablo García Bringas, and it is currently under review.

## 2.4 DANTE workshops

The DANTE Project is arranged in order to involve LEAs in almost all the activities. In particular, the **WP 2** already includes tailored initiatives specifically addressed to them. In fact, 3 workshops were organised to transfer the results achieved and contribute to empower them in the field of terrorism. They took place all in Italy, in Turin in June 2017, in Palermo (in December 2017) and in Rome (in February 2019). Two of the above mentioned workshops have been organised during the first reporting period.

**The first workshop was organised on 9 June 2017 in Turin (Italy)**, it involved members of LEAs, INTERPOL and forensic experts, including representatives of the project partners.

The workshop was organised after a 10-months period of criminological research activities dealing with the three-main use-cases of interest for the DANTE Project, namely: online terrorist financing, training, propaganda and recruitment. Accordingly, the aim was to:

- Share and collect further details and comments about the case-studies analysed;
- Validate the results achieved and the hypothesis formulated;
- Verify the availability of recent data related to expulsions due to terrorism;
- Collect feedback and inputs.

The workshop started with the presentation of the DANTE Project, the researchers then introduced the main results achieved through the case-studies analysis and the criminological analysis, and finally a round table involving all the participants was held.

An interesting result of the workshop was represented by the positive feedback collected from the LEAs, since there is a lack of operational knowledge and they need this kind of contributions.

**The second workshop was organised on 20 December 2017 in Palermo (Italy)**, involving 13 participants between researchers involved in the criminological analysis, representatives of the end-users involved in the project, and of some of the technical partners contributing also to the analysis of terrorism trends. Furthermore, an independent expert was invited so to collect inputs and feedbacks about the approach, the methodology and the activities to be planned.

The workshop focused on the most relevant issues to be addressed to support the organization of training activities in the field of counter-terrorism addressed to LEAs and key relevant stakeholders.

Basing on the results of a survey implemented by the project to assess their specific interests, needs and requirements, the workshop organized a round-table that allowed the partners and the expert to brainstorm about the existing trainings offered by public and private organizations, the specific needs of the LEAs to be addressed by the Project, and the ad-hoc training programs addressing the three main areas of interest for the DANTE project, namely: terrorist online financing, propaganda and training.

From this standpoint, a key role should be played by the platform and tools that the DANTE project is developing.

Specifically, the workshop aimed:

- to present the DANTE project and the first prototype of the platform;
- to present the counter-terrorism courses/trainings currently available;
- to share the results of the survey and the interviews with the LEAs;
- to introduce a preliminary training proposal to be implemented by the DANTE project;
- to collect feedbacks and inputs from the experts to finalise the DANTE guidelines.

The results were of particular interest because the workshop contributed to:

- Further assess the possible relevant role of the DANTE platform also in the light of users empowerment and training;

- Discuss the specific expectations and needs of the LEAs, also in the light of the existing training options already available at EU level;
- Define the organizational model to deliver the trainings;

Collect specific inputs on how to organize advanced curricula for LEAs as well as practitioners, prosecutors, judges and also public authorities involved in the prevention and fight against terrorism.

The third workshop was organized in Rome (Italy) on February 19<sup>th</sup> 2019. More details are provided below, since the third workshop was organized in a three-day long event where the final conference took also place.

#### **2.4.1 DANTE Workshop on trainings for LEAS & DANTE Final Conference: Opportunities and Challenges with using Technology in the fight against the terrorism at EU Level**

The third workshop and the final conference have been organized by RiSSC, on 19-20 February 2019 in Rome, with the support of ENGINEERING, KUL and the other project partners (organization of final conference).

The DANTE workshop on training for LEAs was the final step of the training sessions organized by RiSSC and described in the previous sections of this report. As mentioned, one of the components of the DANTE project envisaged the development of a set of training materials, mainly targeting Law Enforcement Authorities (LEAs) of the project countries (Italy, Spain, Portugal and UK). The materials were further elaborated and disseminated in the framework of two face-to-face training sessions, held in Italy (Rome) and Portugal (Lisbon). Based on the results of these training activities, as well as on the results of a preliminary assessment of existing training offers and strategies in the field of counter-terrorism at EU and national level, the DANTE project developed a set of training curricula targeting a number of different stakeholders, and including LEAs, analysts, policy makers, post-graduate students etc.

During the morning session of the workshop the proposed DANTE training curricula were presented. This was set into the general overview on the existing CEPOL strategy on training for LEAs in the field of counter-terrorism. During the afternoon session the discussion was further aimed at collecting additional inputs for the review and finalization of the proposed DANTE training curricula, by taking into account the preliminary issues discussed during the morning panels. More specifically, the DANTE training curricula aim at building upon existing training offers, strategies and techniques already in place at EU and national level, and at creating synergies among the involved stakeholders – also in view of sustainability of the different training initiatives.

The agenda of the workshop is reported below:

## Agenda

9.30 → 09:50	<b>Welcome and Agenda presentation</b>	Valentina Scioneri, RiSSC Ernesto La Mattina, ENG
09.50 – 10.30	DANTE project – objectives and tools developed	Ernesto La Mattina, ENG
10.30 – 11:00	Evaluation of DANTE training offer: results and perspectives	Valentina Scioneri, RiSSC
11:00 → 11:30	<b>Coffee break</b>	
11:30 – 12:00	Proposal of Training Courses based on DANTE results	Arije Antinori – External expert, supporting coordination of DANTE training workshop
12.00 – 12.30	Training offer at EU level: priorities and new challenges	Christina Mangiridou, CEPOL
12:30 – 13:00	Roundtable discussion on best learning techniques/tools in the field of counter-terrorism for relevant targets (LEAs, academia, policy makers)	Group discussion (ALL) moderated by RiSSC
13:00 → 14:00	<b>Lunch break</b>	
14:00 – 14:20	ECTC_EU IRU Standard Presentation	Piergiulio Pedretti, Europol
14:20 – 14:40	The legal value of training CT operatives	Stefano Fantin, KUL
14:40 – 16:00	Integrating tools for investigation and intelligence Links with relevant areas: fundamental rights, organized crime, hate crime	Group discussion (ALL) moderated by RiSSC/CEPOL
16:00 → 16:30	Wrap-up and conclusions	Valentina Scioneri, RiSSC
16:30 → 17:00	<b>Coffee break</b>	

**Figure 1: Agenda of the DANTE workshop in Rome**

Moreover, on 20 February, RiSSC, together with the project leader ENG, organized the final conference dealing with Opportunities and Challenges with using Technology in the fight against the terrorism at EU Level. Objective of the conference was to present the final results and recommendation of the DANTE project, together with some main findings and activities of other projects funded by the EC and dealing with technologies and counter-terrorism.



Below the agenda of the conference.

## 1 Agenda

Time	Task	Leader
09:00 - 09:15	Welcoming speech	Ernesto La Mattina, ENG – DANTE coordinator
9:15 - 9:30	Introductory remarks to the conference	Nada Milisavljevic DANTE/ASGARD/TENSOR/ ILEAnet Project officer
	<b>DANTE project: main findings and possible ways forwards</b>	
09.30 – 10:30	DANTE– Overview of the project’s main results and live demo of the DANTE integrated platform	Ernesto La Mattina, ENG
10:30 – 11:00	Recommendations and guidelines on intelligence processes and approaches	Elena D’Angelo, RISSC
11:00 → 11:30	Coffee break	
11:30 – 12:00	Social, ethical, legal and privacy impact	Stefano Fantin, KUL
	<b>Matching technology and security needs in the fight against terrorism: existing experiences at an EU level</b>	
12:00 -12:30	ANITA project – Fighting the online trafficking of illicit products and terrorist financing activities	Ernesto La Mattina, ENG
12:30 – 13:00	ASGARD project – Analysis system for gathering raw and big data	Juan Arraiza Irujo, VICOMTECH
13:00 → 14:00	Lunch break	
14:00 → 14.45	SURVANT project – Assisting investigations in analysing surveillance videos archive	Giuseppe Vella, ENG
14:45 – 15:30	SIRIUS platform – Supporting internet-based investigation	Valentina Zuri, Europol
15:30 – 16:00	ILEAnet project – towards a LEAs practitioner network	Pawel Rybicki, EFIC
16:00 → 16:30	Coffee break	
16.30 – 17.30	<b>Roundtable on LEA’s perspective, potential benefits and further initiatives. Representatives from LEAs and technological partners - Moderated by RISSC</b>	
17:30	Wrap-up and conclusions	Ernesto La Mattina, ENG

Figure 2: Agenda of the DANTE conference in Rome

As a last session of the final conference, a roundtable discussion was moderated by RiSSC to collect the perspective of the LEAs on the potential benefits of DANTE and the related projects presented throughout the day, on how an in-depth knowledge of the phenomenon and the technological developments can support in fighting back against terrorism. Specific questions were addressed to the LEAs representatives, in a continuous dialogue with the technological partners and the project coordinators, to build upon the existing experiences, highlight the main challenges and opportunities, and outline which kind of initiatives should be further implemented in order to reinforce and increase cooperation among all the actors involved in the fight against terrorism at EU level.

The DANTE's Final Conference in Rome was a great success thanks to participation of more than 60 attendees, including representatives of Law Enforcement Agencies from different EU countries, the EU Commission project officer and a number of experts on security and counter-terrorism issues.



Figure 3: DANTE final conference in Rome, WP3 presentation





Figure 4: DANTE final conference in Rome

## 2.5 The DANTE training sessions

In the framework of the dissemination actions implemented in the WP12, three training sessions were organized in order to boost the impact of the DANTE project results. The first one took place in Rome in October 2018, the second in Lisbon in November 2018, and the third was organized in the three-days long event where the final DANTE conference took also place. Further details about this event were already provided.

### 2.5.1 First training session – 24 October 2018, Rome (Italy)

**In the second reporting period**, namely on 24th October 2018 in Rome (Italy), **RiSSC** organized a training session targeted to Italian LEAs – Carabinieri, with the participation also of representatives of the other LEAs involved in the consortium. Based on the previous assessment of the target audience's needs and expectations and the wide variety of learning tools to convey the DANTE findings effectively, the first training session was structured as follows. The main objectives of the training were to encourage transnational as well as inter-agencies exchange of information and practices as well as to show, through case studies and research findings, how to better tailor CT efforts. The main contents of the first training session were structured in the following thematic areas: 1) results of the criminological research conducted by RiSSC within DANTE WP2; 2) the role of propaganda ; 3) terrorist financing and networks ; 4) technological modules of DANTE platform. The detailed agenda is herewith reported:

Time	Task	Leader
09:00 → 09:15	Welcome and Agenda presentation	RISSC
	<b>Session 1 – Criminological analysis of Islamic terrorism. The role of the Internet about propaganda and recruitment, financing and training</b>	
09:15 – 09:30	Brief presentation of the DANTE Project Overview of the research activities implemented by the DANTE Project in WP2 Presentation of the training toolkit	RISSC
09:30 – 10:45	Introduction to the most relevant findings of the criminological analysis. Practical activities	RISSC
10:45 → 11:00	Coffee break	
11:00 – 12:00	Online financing: how the Surface and the Deep Web contribute to Islamic terrorism fund-raising activities	AIT
12:00 – 13:00	Expert's analysis - Terrorists propaganda, recruitment and training over the Internet. Actual scenario and emerging threats. Tips for the LEAs	Arije Antinori (PhD., EU Senior Expert on Terrorism and OC EENeT, CEPOL Stratcom Expert Geopolitics and OSINT Analyst)
13:00 – 13:15	Evaluation of the formative session	RISSC
13:15 → 14:30	Lunch break	
	<b>Session 2 – The DANTE platform and its tools</b>	
14:30 – 15:00	Overview of the DANTE platform, the core functionalities and level of integration, the tools and their relevance in the LEAs environment (*) (*) Not all functionalities will be integrated at the time of the training	ENG
15:00 – 16:00	Demos about the DANTE tools Evaluation of the formative session	AIT, CERTH, INNEN + partners responsible of the selected modules
16:00 → 16:15	Coffee break	
16:15 – 18:15	Demos about the DANTE tools Evaluation of the formative session	AIT, CERTH, INNEN + partners responsible of the selected modules

Figure 5: Agenda of the DANTE training session in Rome

In the conclusive session of the training session, an evaluation was collected through the use of anonymous questionnaires submitted to the participants, to assess the degree of satisfaction, the contents and the

impact of the training. The results of the evaluation, together with additional information on the training sessions, are reported in Deliverable 12.3 prepared by RiSSC.

### 2.5.2 Second Training session – 20 November 2018, Lisbon (Portugal)

Based on the results of the first training session held in Rome in October 2018, a second session targeting LEAs from Portugal, Policia Judiciaria, – and some representatives from the Spanish LEAs, Guardia Civil – was organized by RiSSC on 20 November 2018. According to the main feedback received from the first training session, it was decided to only focus the training on the main research findings of DANTE, and to not include any dedicated session to the technological tools. The agenda was then restructured as follows:

#### Day 1 – 20 November 2018

Time	Task	Leader
09:00 → 09:15	<b>Welcome and Agenda presentation</b>	RiSSC
	<b>Session 1 – The role of the criminological analysis in identifying patterns of Islamic terrorist actions and criminal behaviours</b>	
09:15 – 10:00	Presentation of the DANTE project Overview of the research activities implemented by the DANTE Project in WP2 Introduction to the most relevant findings of the criminological analysis	RiSSC
10:00 – 10:45	Practical activity – Findings of the criminological analysis	RiSSC
10:45 → 11:00	<b>Coffee break</b>	
11:00 – 12:00	Practical activity – Findings of the criminological analysis. Wrap up of groups activity	RiSSC
	<b>Session 2 – Online financing: how the Surface and Deep Web contribute to the Islamic terrorism fund-raising activities</b>	
12:00 – 13:00	Sharing Data of Bitcoin Users – applying the “follow the money” approach to Bitcoin and virtual/cryptocurrency?	AIT (Romiti)
13:00 → 14:00	<b>Lunch break</b>	
14:00 – 14:30	OSINT – crawling	AIT (Joachim)
14:30 – 15:00	Overview on main online financing techniques used by Islamist terrorists	AIT (Joachim)
	<b>Session 3 – Terrorist propaganda, recruitment and training over the Internet</b>	
15:00 – 16:00	Expert’s analysis – actual scenario on online propaganda and emerging threats. Tips for LEAs	Arije Antinori

16:00 → 16:15	Coffee Break	
16:15 – 17:00	Wrap up and conclusions	RISSC

Figure 6: Agenda of the DANTE training session in Lisbon

As a general remark, the formative activities within the DANTE Project were directed not only at improving LEA's knowledge on specific topics, but also at encouraging the attendees' exchange of experiences, information gathering techniques, methods and technologies used in their line of work, as well as benefiting from the opportunity to network with one another.

## 2.6 Other strategic events

During the first reporting period, some of the DANTE partner organized or attended the following workshop:

- Partner **TRI** organised **Knowledge Sharing Workshop on Privacy Impact Assessment**, 25 July 2017, London, UK, where presented lessons from the DANTE project.
- Partner **ENGINEERING** attended the **CoU Radicalisation Workshop**, held in Brussels (Belgium) on 5<sup>th</sup> December 2017; the **9<sup>th</sup> Community of Users on Safe, Secure and Resilient Societies Workshop**, which took place on Brussels (Belgium) on December 6<sup>th</sup>, 2017;
- Partner **PJ** organized an internal dissemination workshop to stakeholders and other national, European and international LEA, such as INTERPOL, Europol and other Police forces, work groups in the security, defense and justice areas, on September 22<sup>nd</sup>, 2019, in Lisbon (Portugal).
- Partners **KUL** and **ENG** attended on the 5<sup>th</sup> of December 2017, DANTE, as member of the Community of Users, participated in the **Workshop on Radicalisation organised by the Radicalisation Awareness Network (RAN)** of the EU Commission. The event took place at the BAO Congress Centre in Bruxelles. DANTE was invited for sharing the experience gained during the first stage of the project in the context of counter radicalisation. Among other aspects, the round table also dealt with initiatives of mutual collaboration for datasets preparation and for the finalisation of the analysis.



Figure 7: DANTE at the Workshop on Radicalisation organised by the Radicalisation Awareness Network

On December 6<sup>th</sup> 2017, DANTE took part of the “**Cybercrime Workshop**”. Methodological and Technological approach adopted for the three selected use cases (Fund Raising, Propaganda e Training) were presented. Details about the event are reported at the link <https://www.securityresearch-cou.eu/>.

As follow up of the radicalisation workshop DANTE was also invited to contribute with a concrete workplan to the **High-Level Commission Expert Group on Radicalisation (HLCEG-R)**. The potential contributions have been prepared by the consortium and provided on January 2018.

During **the second reporting period**, some of the DANTE partners organised or participated to some further workshops as follows:

- The **DANTE consortium** organized the workshop held in Lisbon on 21<sup>st</sup> November 2018.

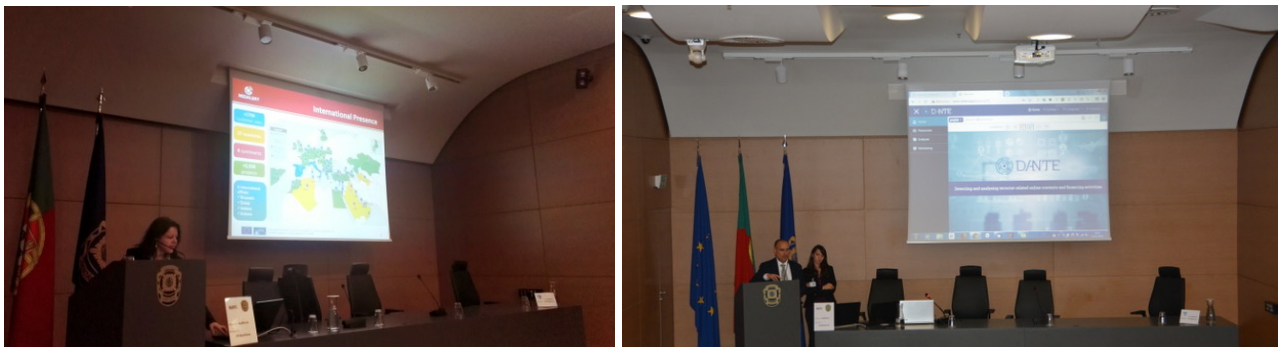


Figure 8: Workshop DANTE in Lisbon



- Partner ENGINEERING attended: the **Workshop on Radicalisation: EU-Funded projects Tackling and Polarisation**, which took place in Brussels (Belgium) on January 2019; the **Workshop on Countering CSE**, held in Den Haag on 13<sup>th</sup> September 2018.
- Partner ENGINEERING and KULEVEN attended several workshops: the **ASGARD/DANTE Workshop: the Dark Web – Ethical, Legal and Privacy Challenges**, held in Belfast (Ireland) in March 2018, the **1<sup>st</sup> International Workshop on Research and Innovation Secure Societies – RISS 2018** which took place in Bucharest (Romania) in June 2018; the **workshop and presentation of DANTE to US Mission to the EU German Marshall Fund and Center for Democracy & Technology**, held in Leuven (Belgium), 5-6 June 2018 the **Workshop on Polarization, Radicalization and Ideology** and the **CPDP2018**, held in Brussels (Belgium) on January 10, 2019.
- Partner INNEN participated the DANTE/SURVANT workshop held in Rome on December 10, 2018.
- Partner CERTH attended the **EUROPOL workshop on Child Sexual Exploitation**, held in the Hague, Netherlands, on 13<sup>th</sup> September 2018, and the **DANTE end-user workshop**, which was held during the MMM19, in January 2019 in Greece.
- Partner AIT attended the **6<sup>th</sup> EDA Workshop on Technology Watch**, held on 27<sup>th</sup> November 2018 in Brussels (Belgium); the **NATO SFA Workshop**, which took place in Budapest (Hungary) on 5<sup>th</sup> November 2019; the **NATO SFA Workshop** held in Cadiz (Spain) on April 24<sup>th</sup>, 2018.
- Partner KUL organized the **Workshop on Radicalization organized by the Radicalization Awareness Network (RAN)** of the EU Commission. The event took place at the BAO Congress Centre in Bruxelles. DANTE was invited for sharing the experience gained during the first stage of the project in the context of counter radicalization. Among other aspects, the round table also dealt with initiatives of mutual collaboration for datasets preparation and for the finalization of the analysis. the 1<sup>st</sup> International workshop on research and innovation for secure societies, 15 June 2018, Bucharest, Romania; US Mission to the EU, German Marshall fund and center for democracy and technology, 5 June 2018, Leuven, Belgium.

### 2.6.1 The Security Research Event 2018

**The Security Research Event – SRE 2018** – which was held in Brussels, at the Square Meeting Centre 1, on 5<sup>th</sup> and 6<sup>th</sup> of December 2018, is the annual meeting where industry, governments and knowledge institutions come together to discuss the state of play and current challenges for security research in Europe, and where EU funded security-related projects are displayed in a large exhibition area. The SRE aimed at highlighting the role of security research to foster the implementation of EU Policies and address crucial societal challenges, demonstrating the strength and inspiring results of security related research and innovation activities. The DANTE project was presented in the first day of the event, during the discussion “Making Europe a safer place – demonstrating the impact of EU-funded security research”. This session gathered many stakeholders, who showed their interest about the DANTE project and how it also takes full account of legal, ethical and privacy issues to improve public perception of the security measures required to combat online terrorist activities. In order to boost the visibility of the project, DANTE was mentioned in the SRE’s newsletter issue number 2, which explains the innovative functionalities of DANTE and how much it will significantly reduce the time and money needed for terrorism-related investigations, thereby boosting security levels.



Figure 9: DANTE at the Security Research Event 2018

### 3 Public outreach

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A set of activities have been carried out by project partners with the aim of addressing general public and generating and increasing awareness towards a wide audience. Such activities have been carried out by using online tools and communication means such as websites, social channels, online eBooks, electronic newsletters and blogs.

In the following of the section, the activities carried out for addressing general public **during the first and the second reporting period** are highlighted.

#### 3.1 DANTE website

The public DANTE website <http://www.h2020-dante.eu/> is the main communication channel developed and used by the DANTE consortium.

The website is kept updated along the project life, in order to provide visitors with information related to DANTE activities, DANTE public results, relevant news in the fight against terrorism sector and related new technologies and relevant news and events organised by sister projects.

News are regularly published in the website with the aim of generating constant new content to attract new visitors and provide information useful for the interested ones. On the other side, DANTE project partners provide public information relatively to the results achieved, documents and reports with the objective of creating awareness within the general public and specific stakeholder groups, such as scientific and industrial communities and LEAs, but also for creating references useful for cross-synergies establishment with other relevant initiatives.

However, since the scope of the project is a hot topic in the European Union for the citizen's security, the DANTE consortium pays strong attention in evaluating the publication of information in order to avoid the risk of publishing information potentially reducing the effectiveness of the fight against terrorism.

**In the second reporting period**, the main pages of the DANTE website were translated into many different languages, in order to boost the project visibility at a larger scale. The homepage, the section aims and goals, as well as the ones focusing on benefits and dissemination materials, are currently available in Italian, French, Spanish, Portuguese and German. Below some visual examples of the website pages displaying the different languages used are reported.





Figure 10: DANTE homepage in several languages

### 3.2 Statistics on the project website

Since its publication (at M1), a total of 2304 visitors accessed the DANTE website until M18, and 9486 pages have been viewed in these visits. The average monthly number of active users is 226. Users are from different countries not only from Europe, with a huge number of visitors from the United States. Next figures report general statistics from the beginning of the project to the present stage.

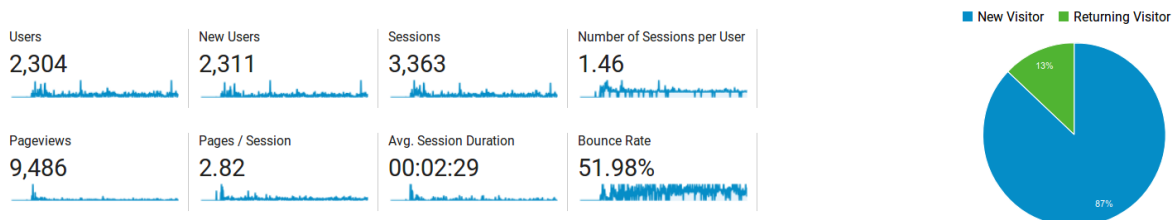


Figure 11: DANTE website statistics on users and pageviews

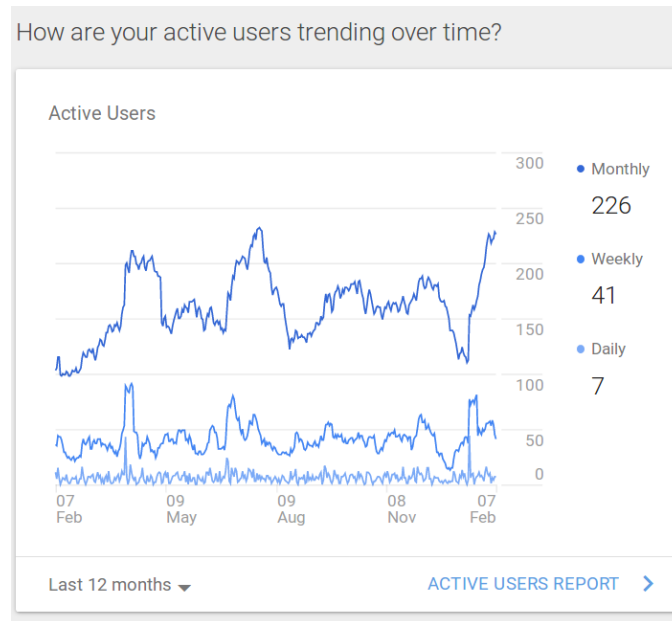


Figure 12: DANTE website average active users

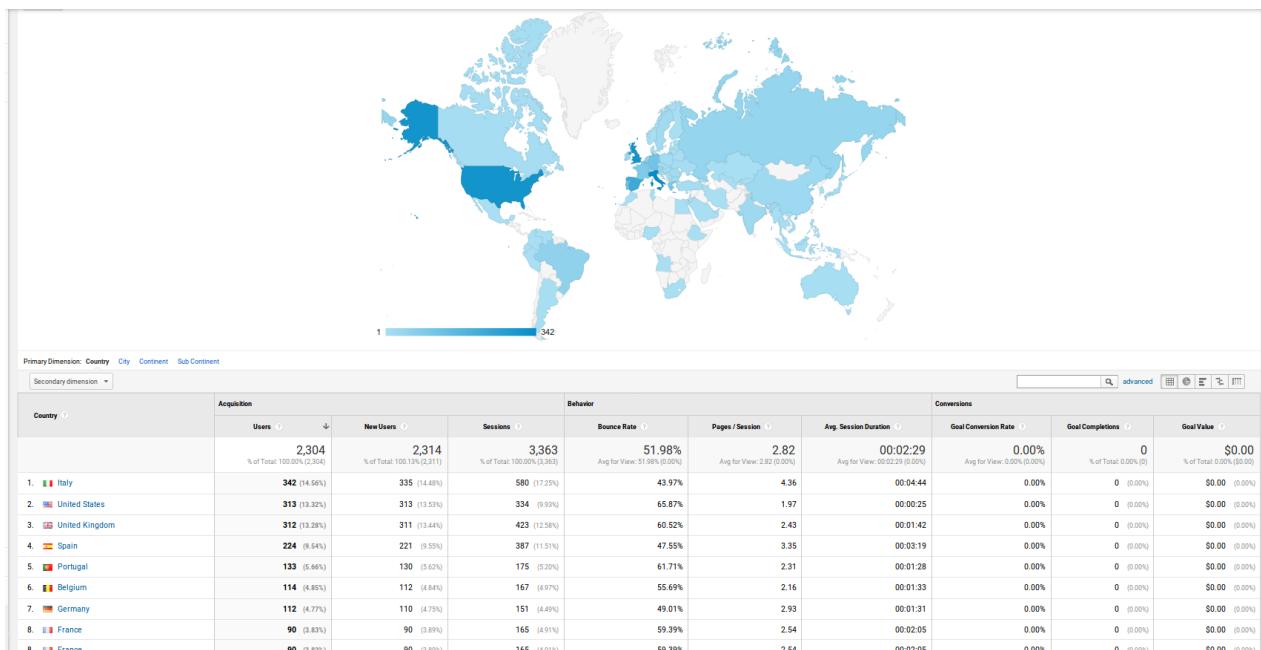



Figure 13: DANTE website user geographical distribution

Below are reported the statistic of the DANTE website related to the second reporting period. A total of 2654 visitors accessed the DANTE website until M29, and 8585 pages have been viewed in these visits. The average monthly number of active users is 240. Users are from Europe, as well as the United States. Next figures report general statistics from March 2018 to January 2019. Monthly active users as well as the total visitors assessing the website slightly increased in the second reporting period.

Audience Overview



All Users

100.00% Users

Mar 1, 2018 - Jan 29, 2019

Overview

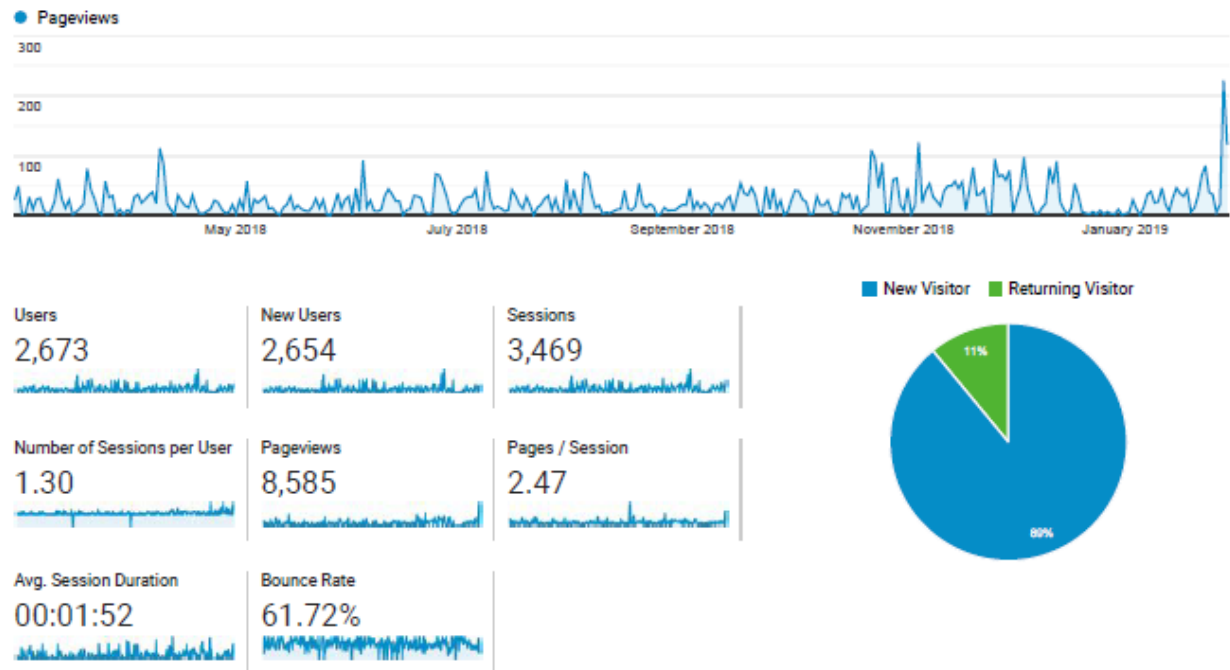


Figure 14: DANTE website statistics on users and pageviews

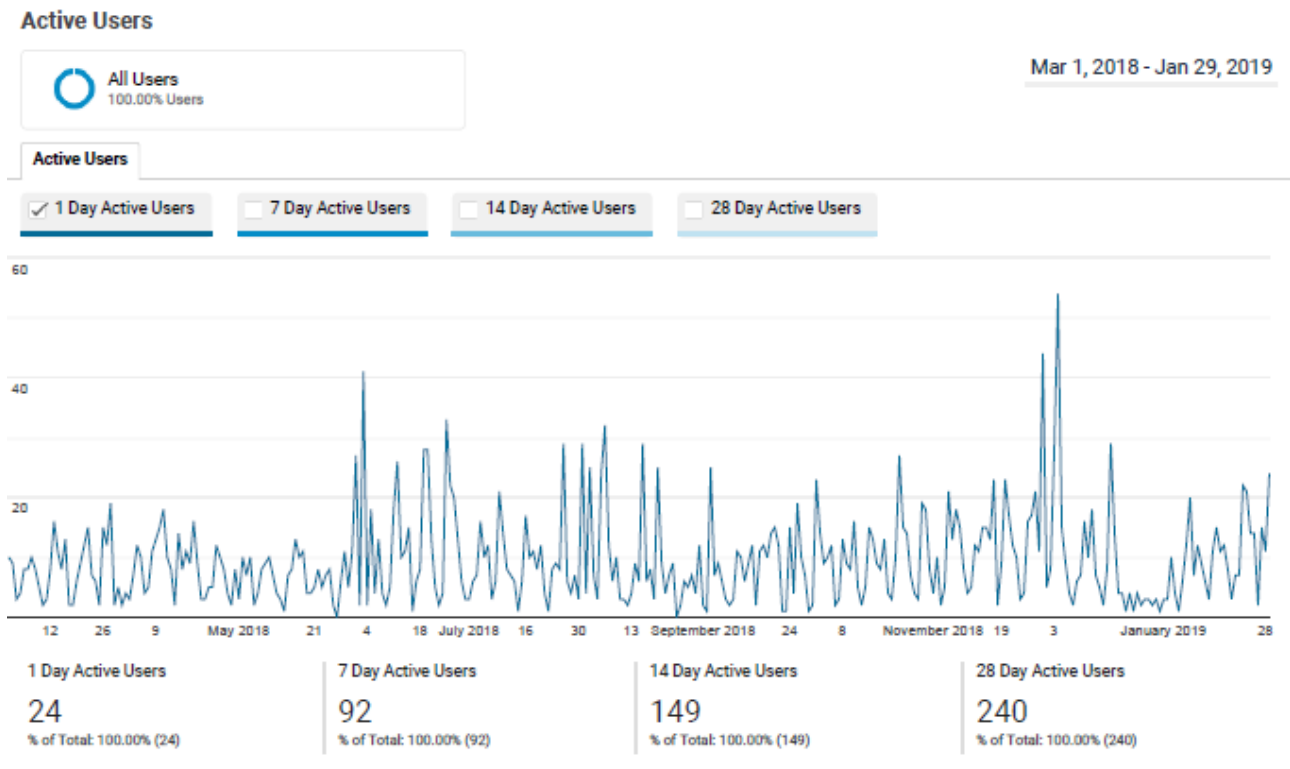


Figure 15: DANTE website average active users

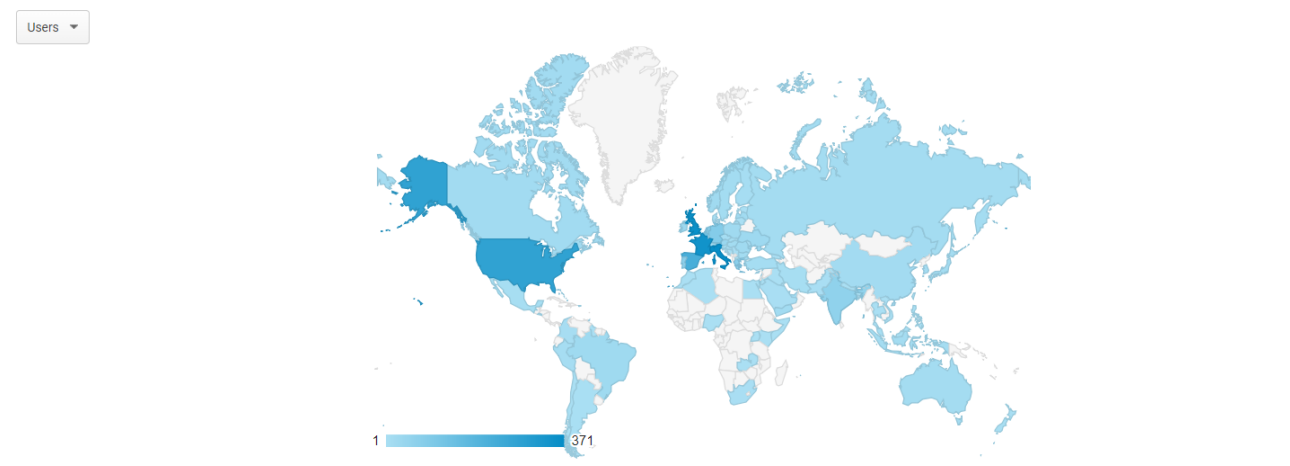


Figure 16: DANTE website user geographical distribution

### 3.3 DANTE newsletter

In order to maintain a high interest of stakeholders towards DANTE activities and results, the realization and publication of periodic electronic newsletters (e-newsletter) have been foreseen throughout the project. The e-newsletters have the main aim to periodically share with interested stakeholders relevant information related to the achieved results, to the planned events and in general to the DANTE project's achievements. At the present stage two issues of the DANTE newsletters have been prepared and published, as planned.

The first issue of the DANTE Newsletter was published with the aim of creating awareness around DANTE project and its objectives, describing the project use cases.



Figure 17: DANTE Newsletter nr. 1

The second issue of the DANTE Newsletter was published with the aim of disseminating the national and international workshops where the project participated in, with the aim of creating synergies with further initiatives and to attract new stakeholders.



### DANTE Project

The DANTE project aims to deliver more **effective, efficient, automated data mining and analytics solutions** and an **integrated system** to detect, retrieve, collect and analyse huge amount of heterogeneous and complex multimedia and multi-language terrorist-related contents, from both the Surface and the Deep Web, including Dark nets.

The DANTE framework introduces innovative knowledge mining, information fusion, and automated reasoning techniques and services and provide automated functionalities such as:

- detection and monitoring of sources of relevant terrorist-related data in surface/deep Web, and dark nets;
- accurate and fast detection, analysis, categorization of suspect terrorist related multi-language contents;
- large-scale temporal analysis of terrorism trends;
- real-time summarization of multilingual and multimedia terrorist-related contents;
- detection of dis-information in online contents;
- detection and monitoring of relevant individuals and linking pseudonyms with the original authors;
- accurate and fast identification of terrorist online communities and groups;
- capturing, storing and preserving relevant data for further forensic analysis.

In this newsletter we will focus on the DANTE workshops

### The DANTE workshops

The DANTE project intends to create synergies with the initiatives already existing and to contribute to further increase their potentialities in terms of formative approach and issues addressed, with the intent to avoid replication and maximize the efforts.

Accordingly, the project organized two internal workshops and participated to other two international workshops.

#### The first DANTE workshop of experts

The DANTE project organized its first workshop on 9th of June 2017 in Turin (Italy), involving 25 participants between LEAs, INTERPOL, and forensic experts, including representatives of the project partners.

The workshop was organized after a 10-months period of criminological research activities dealing with the three main use-cases of interest for the DANTE Project, namely: online terrorist financing, training, propaganda and recruitment. Accordingly the aim was to:

- Share and collect further details and comments about the case-studies analysed;
- Validate the results achieved and the hypothesis formulated;
- Verify the availability of recent data related to explosives due to terrorism.

introduced the main results achieved through the case-studies analysis and the criminological analysis, and finally a round table involving all the participants was held. An interesting result of the workshop was represented by the positive feedback collected from the LEAs, since there is a lack of operational knowledge and they need these kind of contribution.

#### DANTE at the Radicalisation Workshop



On the 9th of December 2017, DANTE, as member of the Community of Users participated the **Workshop on Radicalisation organized by the Radicalisation Awareness Network (RAN)** of the EU Commission. The event took place at the RAN Congress Centre in Brussels. DANTE was invited for sharing the experience gained during the first stage of the project in the context of counter radicalisation. Among other experts, the round table also dealt with initiatives of mutual collaboration for datasets preparation and for the finalization of the analysis.

As follow up of the radicalisation workshop DANTE was also invited to contribute with a concrete workshop to the **High-Level Commission Expert Group on Radicalisation (HLEG-RE)**. The potential contributions have been prepared by the consortium and provided on January 2018.

#### DANTE at the Cybercrime Workshop

On the 8th of December 2017, DANTE took part of the **Cybercrime Workshop: Interdisciplinary and Technological approach** adopted for the three selected use cases (Fund Raising, Propaganda & Training) were presented. Details about the event are reported at the link <https://www.europol.europa.eu/cybercrime>

#### The second DANTE workshop of experts

The project organized the second DANTE workshop in Palermo (Italy) on December 20th, 2017, with the participation also of one expert in the field of education and training.

Figure 18: DANTE Newsletter nr. 2

The third issue of DANTE newsletter was published in order to describe the main results and progresses the project achieved up to date. Specific information about the impact on public expenditure and estimated total cost are provided, as well as the impact on security perception and the impact on increased trust in Police. The newsletter also focuses on some important events DANTE took part in, as well as the next events the project will attends and the collaboration with the sister projects.

### The Project



The DANTE project aims to deliver more **effective, efficient, automated data mining and analytics solutions** and an **integrated system** to detect, retrieve, collect and analyse huge amount of heterogeneous and complex multimedia and multi-language terrorist-related contents, from both the Surface and the Deep Web, including Dark nets.

### DANTE value proposition

DANTE aims to provide novel and innovative tools, techniques, processes and algorithms for supporting counter terrorism investigators and analysts in their daily work activities, also considering the Legal, Ethical and Privacy issues. Moreover, DANTE framework takes into account privacy and ethical issues by design with consequent increase of the public acceptance of next generation security system. The project implements and enhances innovative functionalities integrated into an open and extensible environment. It is designed for supporting the management of diverse and multi-lingual data sources and data types, in order to be able to detect and analyze data in diverse languages and coming from heterogeneous sources (video, text messages, audio, etc.).

Therefore, DANTE is an innovative platform characterized by the following:

- Effectiveness – DANTE is precise and accurate in supporting the analyses and investigations;
- Efficiency – DANTE increases users' productivity and improves their job;
- Automation – DANTE requires minimal human intervention to speed and support LEAs counterterrorism activity.

The DANTE framework introduces innovative knowledge mining, information fusion, and automated reasoning techniques and services and provide automated functionalities such as:

- detection and monitoring of sources of relevant terrorist-related data in surface/deep Web, and dark nets;
- accurate and fast detection, analysis, categorization of suspect terrorist related multi-language contents;
- large-scale temporal analysis of terrorism trends;
- real-time summarization of multilingual and multimedia terrorist-related contents;
- detection of dis-information in online contents;

- detection and monitoring of relevant individuals and linking pseudonyms with the original authors;
- accurate and fast identification of terrorist online communities and groups;
- capturing, storing and preserving relevant data for further forensic analysis.

DANTE will have an huge impact on several areas, with particular reference to the following perspectives.

#### DANTE impact on public expenditure and estimated total cost

DANTE will significantly lower the cost of investigations reducing the required investigation time through the use of automatic processes for detecting relevant terrorist-related data in surface/deep Web, and dark nets. Moreover, by monitoring and categorizing suspect terrorist-related activities in multi-language content, it will accurately and quickly identify terrorist online communities and groups, reducing or even avoiding terrorists attacks, thus decreasing costs on reactive counterterrorism actions.

#### DANTE impact on security perception

DANTE ultimate goal of discovering (by "connecting the dots"), analyzing, and monitoring potential terrorist-related activities and people, with a special focus on online funds raising activities, propaganda and training and disinformation, will have a proactive effect on the fight against terrorism, with a positive impact on the actual security and the general perception of security by EU citizens.

#### DANTE impact on increased trust in police

By intercepting terrorism activities, law enforcement agencies will be able to accurately and quickly detect suspect terrorists and terrorist online communities and groups, indirectly participating in the increase of trust in Police forces.



#### DANTE past events

On the 13th of September DANTE participated to the countering Child Sex Exploitation (CSE) workshop at the Europol headquarters in The Hague. Even if DANTE is not clearly focused on countering CSE, the project was invited because its integrated platform and some specific tools developed, or under development, might successfully be applied for such type of investigations. To this end, DANTE presented three online demos: Secure Cloud Crawling Framework, Image and Video analysis and the DANTE Intelligence Platform. The services for discovering and extracting relevant online contents, made available through the Source Integration Framework (SIF), and the orchestration and monitoring of the analysis modules, were presented in the context of the integrated platform. The demo aroused interest in the Europol's attendees. Moreover, DANTE attended MEDI@4SEC, which was held September 26<sup>th</sup> 2018 in Brussels. MEDI@4SEC focuses upon enhancing our understanding of the opportunities, challenges and ethical consideration of social media use for public security and aims to build a community of stakeholders engaged in using social media for public security who can exchange experience, information and ideas to enhance the use of this tool in a very dynamic environment.

#### DANTE collaboration activities

To fight terrorism, it is essential to have optimal information exchange and accurate data. Two projects, funded by the EU under the Horizon 2020 research and innovation programme – DANTE and TENSOR – are developing solutions for the early detection of terrorist activities (propaganda, radicalisation, recruitment, etc.). Based on the common goals, this collaboration is a trigger for the dissemination of projects' knowledge around the terrorism domain, best practices on ethical and privacy issues, and analysis results. By combining their efforts, DANTE and TENSOR aim to achieve greater impact and wider adoption of these new developments in counter-terrorism systems. The collaboration activities carried out so far include:

- MoU signed;
- Sharing of documents including Deliverable Lists and timings;
- TENSOR attendance at DANTE Meeting in Lisbon;
- DANTE attendance at TENSOR Meeting in Lancaster;
- Conversations within CERN to explore synergies between projects and possible technical collaboration;
- Exchange of multimedia data between TENSOR and DANTE;
- Plans for reusing DANTE components for TENSOR, and vice versa

#### DANTE events in the next future

The DANTE project announces the practitioners training sessions on the use of the DANTE system, that will be held in Rome on the 24<sup>th</sup> and 25<sup>th</sup> of October 2018. The training sessions will show a deep analysis on crime and terrorism, with particular reference to the use of Internet by terrorists. During the second day, simulated use cases will be executed with the support of project experts. Practitioners will be then invited to use the system in a practical session to experience the impact of the system in their day by day activity of fighting against crime and terrorism.

Moreover, DANTE will showcase project results at the Security Research Conference and Expo 2018 (SRE 2018). The event is jointly organized by the European Commission and the Austrian Presidency, and will take place in Brussels from the 5<sup>th</sup> until the 6<sup>th</sup> of December 2018. The main topic that will be discussed are: *Making Europe a safer place: demonstrating the impact of security research – Challenges and barriers and Projects Afterlife: From the lab to real life*. On December 6<sup>th</sup>, eight thematic panels will focus on specific issues such as addressing multi-country disaster situations, citizens awareness in the context of security research, management of dematerialized borders, cybercrime, maritime security, protection of public spaces, radicalization and response to terrorist attacks.

Figure 19: DANTE Newsletter nr. 3

The fourth issue of the DANTE newsletter was released in January 2019 and focused on the project participation to two major international events: the training workshop held in Lisbon in November 2018 and the Security Research Event (SRE18), which took place in Brussels on December 2018.



#### DANTE attendance to international events

DANTE will support law enforcement authorities, and in particular the counter terrorism, in their daily work by providing a set of tools and processes that will significantly reduce the required investigation time by using automatic processes for detecting relevant terrorist related data in multi-language content. In order to communicate and show its innovative system, the DANTE project has been presented at two international events: a training workshop held in Lisbon on November 2018 and the SRE, which took place in Brussels on December 2018.

#### Workshop in Lisbon on November 2018

DANTE organized a workshop in Lisbon, which took place at P3 headquarters on 21<sup>st</sup> of November 2018, to discuss about homeland security. The workshop was a three-days event and it was organized by following three different agendas. The first day's agenda was split in three sessions: the first session's theme was "The role of the criminological analysis in identifying patterns of Islamic terrorist actions and criminal behaviours", the second session's title was "Online financing: how the Surface and Deep Web contribute to the Islamic terrorism fund-raising activities", the last one was under the theme of "Terrorist propaganda, recruitment and training over the Internet". During the second day, DANTE and other seven EU Horizon2020 projects were presented and have showed their technologies. Whereas on the third day, practitioners were invited to use the DANTE system in a practical session to experience the impact of the system in their day-by-day activity of fighting against crime and terrorism.



#### The Security Research Event 2018

The Security Research Event (SRE) is the annual meeting which gathered Law Enforcement Agencies, industry, governments and knowledge institutions in order to discuss the state of art and current challenges for security research in Europe, and where EU funded security-related projects are displayed in a large exhibition area.

The SRE2018, jointly organized by the European Commission and the Austrian Ministry for Transport, Innovation and Technology, was held on 5<sup>th</sup> and 6<sup>th</sup> of December 2018 in Brussels, at the Square Meeting Centre 1.

With the theme "Making Europe a safer place - demonstrating the impact of EU-funded security research" the European Commission highlighted the role of security research to foster the implementation of EU Policies and address crucial social challenges, demonstrating the strength and inspiring results of security related research and innovation activities. The session attracted many stakeholders, which showed their interest about the project functionalities and how DANTE also takes full account of legal, ethical and privacy issues to improve public perception of the security measures required to combat online terrorist activities.

The interested stakeholders were glad to join the DANTE stand where they found further information, as well as the related dissemination materials such as brochures, newsletters and technical factbooks.



The DANTE system was also mentioned in the SRE's newsletter issue number 2, which explained the innovative functionalities of DANTE and how much it will significantly reduce the time and money needed for terrorism-related investigations, thereby boosting security levels. More information available [here](https://www.sre2018.eu/).

DANTE is a project funded by the European Commission  
This project has received funding from the European Union's Horizon 2020 Research and Innovation program under Grant Agreement n°700307

Figure 20: DANTE Newsletter nr. 4

The fifth issue of the DANTE newsletter is going to be released after the last project meeting in Rome, on February 2019, and it will focus on the last project events end meetings before the final review, which will take place in Brussels next April 2019.

The newsletters were disseminated not only directly and through the project website and the project Twitter account, but also through external online channels (LinkedIn, private and institutional, Twitter accounts), as shown in the next figures, reaching approximately 1500 users.



Figure 21: Dissemination of the first DANTE newsletter through the project Twitter account

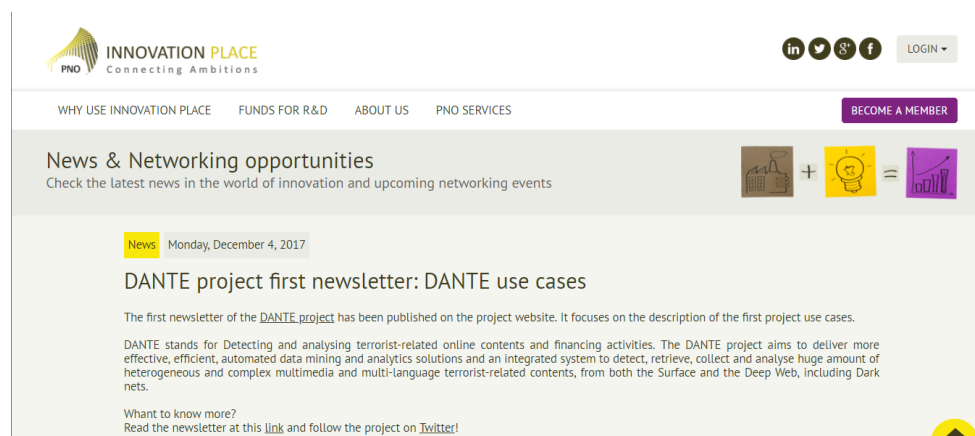


Figure 22: Dissemination of the first DANTE newsletter through institutional website (PNO group)



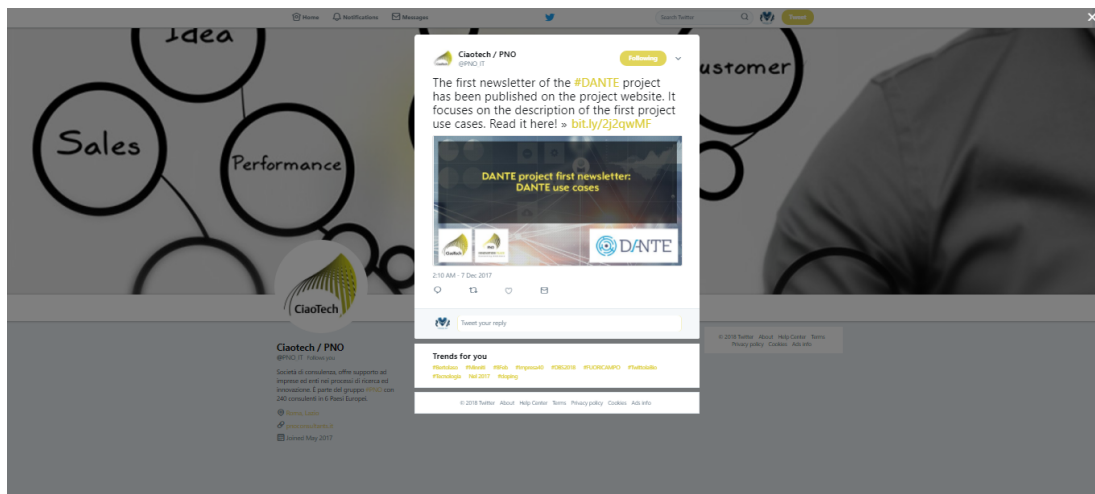


Figure 23: Dissemination of the first DANTE newsletter through partners institutional website

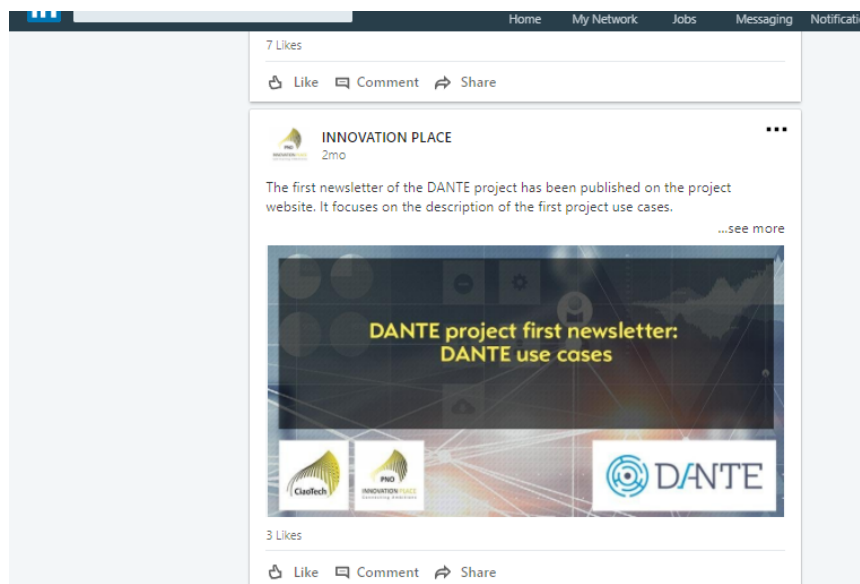


Figure 24: Dissemination of the first DANTE newsletter through LinkedIn

### 3.4 Online e-Books

DANTE is included (together with the sister project ASGARD) in the two research and innovation projects related to Fight against Crime and Terrorism on the recently published booklet from DG HOME. The booklet is available at the following link:

[https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/su\\_booklet.pdf](https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/su_booklet.pdf).

COUNTERING CRIME AND TERRORISM



ASGARD

ASGARD concentrates on helping police and other law-enforcement authorities (LEAs) co-create, maintain and develop a set of top-class tools that are easy to configure and use for analysing, extracting and exchanging 'big data', with forensics and foresight actions as a key focus. Frequent 'hackathons' and close contact between the 33 partners from 14 countries are driving this active and sustainable community of practitioners. After each hackathon, LEAs can deploy and evaluate the tools on-site and feed this field data back into the project for the whole ASGARD benefit of the community.

WEB: [www.asgard-project.eu](http://www.asgard-project.eu)

COORDINATOR: Fundacion centro de tecnologias de interaccion visual y comunicaciones vicomtech, Spain

TOTAL COST: EUR 12 000 000

EC CONTRIBUTION: EUR 12 000 000

START/END: September 2016 to February 2020

OTHER COUNTRIES: Austria, Belgium, Cyprus, Germany, Finland, France, Greece, Ireland, Italy, Portugal, Netherlands, United Kingdom



DANTE

DANTE uses automated data mining and analytics in an integrated system to detect, retrieve and process huge amounts of heterogeneous and complex (multimedia and multi-language) terrorist-related content from the internet, including so-called deep and dark nets built to hide identities and activities. Focusing on online fundraising activities, but also considering propaganda, training, disinformation, violent radicalisation and cybercrime, the project strives to help law enforcement 'connect the dots', joining potential terrorist-related activities, people, content and places across Europe and beyond.

WEB: [www.h2020-dante.eu](http://www.h2020-dante.eu)

COORDINATOR: Ingegneria Informatica SPA, Italy

TOTAL COST: EUR 6 200 000

EC CONTRIBUTION: EUR 5 000 000

START/END: September 2016 to February 2019

OTHER COUNTRIES: Austria, Belgium, Germany, Spain, France, Greece, Ireland, Portugal, United Kingdom

Figure 25: Booklet from DG HOME

DANTE is also included in a booklet on EU-Funded Projects Tackling Ideology And Polarisation published from DG HOME.

## DANTE

**Detecting and ANALysing Terrorist-related online contents and financing activities**

**D**ANTE will provide a set of tools and processes to support law enforcement authorities, and the counter terrorisms in particular, in their everyday work. The proposed system will significantly reduce the required investigation time by utilizing automatic processes for detecting relevant terrorist-related data in surface/deep Web, and dark nets, monitoring and categorizing suspect terrorist related activities in multi-language content, in order to accurately and quickly identify terrorist online communities and groups. DANTE integrated system will fulfil end users' needs by delivering the following main results: a set of innovative services for the automated detection and analysis of online multimedia and multi-language contents, relying on existing solutions, frameworks, and prototypes owned by the project partners or available as Open source software; and a TRL-7 system prototype exploiting and integrating the functionalities and capabilities offered by the above-mentioned services: the system will deliver intelligence and collaboration applications as well analytics services.



**Links:**

<https://cordis.europa.eu/project/rcn/202691/factsheet/en>  
<https://www.h2020-dante.eu/>

**Figure 26: Booklet on EU-Funded Projects Tackling Ideology And Polarisation**

Furthermore, DANTE is also mentioned in “Strategic orientations on a coordinated EU approach to prevention of radicalisation for 2019”, document prepared by the Expert Group “Steering Board for Union actions on preventing and countering radicalisation” for the European Commission. It reflects the views only of the members of the Steering Board. The Commission cannot be held responsible for any use which may be made of the information contained therein.

#### 4. Other key initiatives

##### A. Communication and online propaganda

Work on alternative and counter narratives needs to be pursued and relevant expertise and experience in Member States and at EU level needs to be shared and consolidated. Civil society organisations are in need of sustainable support structures and tailored advice. This requires the relevant actors at EU and national level to build the necessary capabilities and financial support. The Commission could support such efforts through the ESCN, including guidance on the effectiveness of campaigns, exploring the use of communications by jihadi and right-wing groups, the interaction between offline and online networks and how foreign influencers target communities across Europe, improve our understanding of the logics behind the reporting of terrorism related events by mainstream media, explore how terrorist and violent extreme groups adapt to the new communications environment and how they use specific momentum (such as elections) to recruit, as well as support Member States in finding the most efficient ways to partner with civil society to deliver communications with a CVE effect. Moreover, ways to further support the development of positive narratives could be explored for instance to strengthen resilience and promote EU values or address conspiracy theories. The Commission could furthermore support further exchanges (and financial support) within the Civil Society Empowerment programme. It would also be well placed to ensure that relevant research findings for instance under EU funded projects such as Horizon 2020 projects Dante, Tensor, RedAlert, Dare and Trivalent will feed into the further development of policy responses and interventions.

More attention needs to be paid to the dissemination of hate speech online. A study mapping trends of hate speech on social media is currently conducted by the Commission services and will be released in January 2019.

Efforts with industry and close cooperation with Europol should continue in line with the Commission Recommendation on illegal content and the objectives of the proposed Regulation on terrorist content online in particular to support small hosting service platforms.

**Figure 27: Strategic orientations on a coordinated EU approach to prevention of radicalisation for 2019**

### 3.5 Social channels

In order to reach a wide audience and targeting not only specialized audience but also public at large, social channels are used for disseminating and spreading relevant information as much as possible.

The DANTE project has no intention of creating a specific community of stakeholders, since it is not in the scope of the project. For this reason, although a specific Twitter account has been created for the project, the strategy adopted for the usage of social channels mainly consists in using the institutional social channels of the single partners, since considered more efficient.

For this reason, all partners are actively involved in using their existing means for spreading not only official DANTE communications but also information related to their specific activities within the project, allowing reaching the maximum coverage of the topics related to DANTE and wider audience.

Indeed, during the first reporting period, the project has been mentioned in Twitter, institutional channels, LinkedIn of partners PJ, PRG, KUL, ENG and CTECH.



Figure 28: DANTE twitted by partner ENG

Moreover, the following blogposts have been realized:

- CiTiP Blog, Erik Zouave & Thomas Marquenie “Countering Algorithmic Discrimination in Criminal Profiling”, on 16 July 2017, <https://www.law.kuleuven.be/citip/blog/countering-algorithmic-discrimination-in-criminal-profiling>, by partner KUL.
- CiTiP Blog, Erik Zouave “Researcher Compliance with Export Controls – Blunting the Sword & Honing the Bludgeon”, on 19 July 2017, available at <https://www.law.kuleuven.be/citip/blog/researcher-compliance-with-export-controls-blunting-the-sword-honing-the-bludgeon/>, by partner KUL.
- CiTiP Blog, Erik Zouave and Plixavra Vogiatzoglou "Dual Use Technology Controls for Security Researchers Of Double-Edged Swords & Blunt Bludgeons", on 19 July 2017, available at <https://www.law.kuleuven.be/citip/blog/dual-use-technology-controls-for-security-researchers-of-double-edged-swords-blunt-bludgeons/>, by partner KUL.
- “Ensuring ethical research in a multi-partner project”, on 11 October 2017, by partner TRI, that is also planning for the next period to public in their institutional blogs the following blogpost: “Ensuring an ethical approach to detecting terrorist-related online content and financing activities”.

Several posts were also published by the social media account of the project partners.

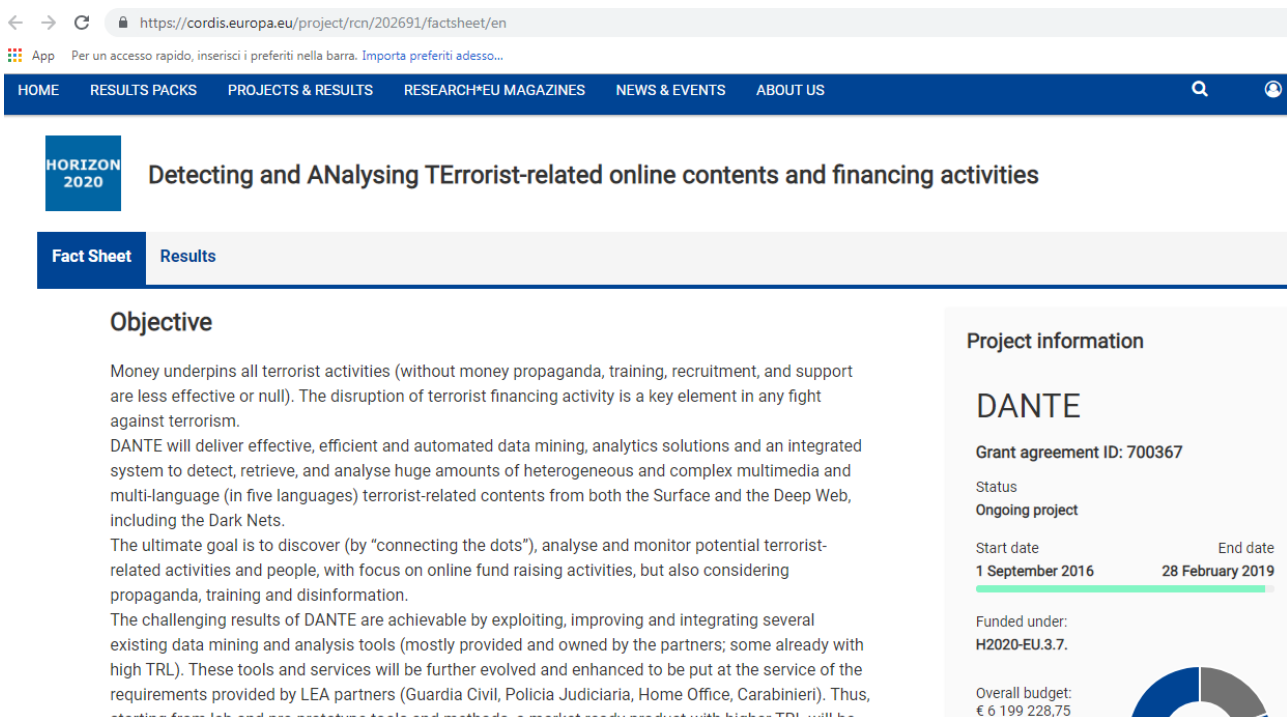
Tweets were published with the main goal of communicate the results and progresses achieved by the project up to now, as well as the information about project meetings and event DANTE attended to.

Below are reported some examples.

- *The #Dante project will foster cooperation and collaboration within and among Law Enforcement Agencies. #lawenforcementagencies #terrorism* - [https://twitter.com/Trilateral\\_UK/status/771331848190300161](https://twitter.com/Trilateral_UK/status/771331848190300161)
- *The #Dante project seeks to identify #behavioural patterns in people and organizations with #terroristic intent #terrorism #social #ethical* : [https://twitter.com/Trilateral\\_UK/status/771346921159991297](https://twitter.com/Trilateral_UK/status/771346921159991297)
- *Tri at the 4th General Assembly of the DANTE project* <http://www.h2020-dante.eu/> - *exploring big #datamining solutions to #security issues* : [https://twitter.com/Trilateral\\_UK/status/862659810080169985](https://twitter.com/Trilateral_UK/status/862659810080169985)

- Today, @h2020\_Dante\_eu hosts seven EU #Horizon2020 projects in Lisbon, at PJ headquarters, discussing about #homeland security : [https://twitter.com/h2020\\_Dante\\_eu/status/1065175866030915584](https://twitter.com/h2020_Dante_eu/status/1065175866030915584)
- @h2020\_Dante\_eu is presented at the #SRE2018. See the 2nd newsletter here [http://propager.jm-sylvain.com/SRE2018/newsletter02/...](http://propager.jm-sylvain.com/SRE2018/newsletter02/) : [https://twitter.com/h2020\\_Dante\\_eu/status/1069932107269636096](https://twitter.com/h2020_Dante_eu/status/1069932107269636096)
- Visit the @h2020\_Dante\_eu project at #SRE2018. See how DANTE detects, retrieves, and analyses huge amounts of heterogeneous and complex multimedia and multi-language terrorist-related contents from both the Surface and the Deep Web, including the Dark Nets : [https://twitter.com/h2020\\_Dante\\_eu/status/1069952415607201792](https://twitter.com/h2020_Dante_eu/status/1069952415607201792)
- Legal and ethical aspects presented in the final DANTE conference #EUproject coordinated by @EngineeringSpa [https://twitter.com/h2020\\_Dante\\_eu/status/1098185580922503169](https://twitter.com/h2020_Dante_eu/status/1098185580922503169)
- Great success for DANTE's Final Conference in Rome with the participation of more than 50 attendees, among them Law Enforcement Agencies, the EU Commission and experts on security! #EUproject [https://twitter.com/h2020\\_Dante\\_eu/status/1098886600354865152](https://twitter.com/h2020_Dante_eu/status/1098886600354865152)

In addition, DANTE project was also mentioned in The EU Research & Innovation Magazine in the non-scientific publication 'Big picture' platforms boost fight against online terror activity, on 29<sup>th</sup> November 2018, available at the following link <https://horizon-magazine.eu/article/big-picture-platforms-boost-fight-against-online-terror-activity.html> , below a visual example is reported.



The screenshot shows the DANTE project fact sheet on the Horizon 2020 website. The page title is "Detecting and ANalysing TErrorist-related online contents and financing activities". The "Objective" section describes the project's goal to disrupt terrorist financing by analyzing online content. The "Project information" section provides details about the grant agreement, status, dates, and budget.

**Objective**

Money underpins all terrorist activities (without money propaganda, training, recruitment, and support are less effective or null). The disruption of terrorist financing activity is a key element in any fight against terrorism.

DANTE will deliver effective, efficient and automated data mining, analytics solutions and an integrated system to detect, retrieve, and analyse huge amounts of heterogeneous and complex multimedia and multi-language (in five languages) terrorist-related contents from both the Surface and the Deep Web, including the Dark Nets.

The ultimate goal is to discover (by "connecting the dots"), analyse and monitor potential terrorist-related activities and people, with focus on online fund raising activities, but also considering propaganda, training and disinformation.

The challenging results of DANTE are achievable by exploiting, improving and integrating several existing data mining and analysis tools (mostly provided and owned by the partners; some already with high TRL). These tools and services will be further evolved and enhanced to be put at the service of the requirements provided by LEA partners (Guardia Civil, Polizia Giudiziaria, Home Office, Carabinieri). Thus, starting from lab and pre-prototype tools and methods, a market ready product with higher TRL will be

**Project information**

**DANTE**

Grant agreement ID: 700367

Status  
Ongoing project

Start date  
1 September 2016

End date  
28 February 2019

Funded under:  
H2020-EU.3.7.

Overall budget:  
€ 6 199 228,75

Figure 29: Dante mention in the EU Research & Innovation Magazine



Dante was mentioned as well in the second issue newsletter of the Security Research Event 2018 <https://www.sre2018.eu/> as reported below.



**Horizon Europe** – The next EU research programme to succeed Horizon 2020 will form part of the European Commission’s wider proposal for the EU’s 2021-2027 budget, known as the Multiannual Financial Framework (MFF). Both the Multiannual Financial Framework and Horizon Europe Programme proposals clearly aim to put European research even more centrally in the political spotlight. For example, the title alone of the Commission’s MFF proposal, *“Budget for a Union that Protects, Empowers and Defends”*, is an indication that security concerns are a political priority.

The importance that the draft MFF places on EU-funded research can be seen in its proposed allocation of €97.6 billion for Horizon Europe, making it the EU’s biggest ever research and innovation funding programme. By contrast, the current Horizon 2020 programme has a budget of €77 billion.

Within the new MFF proposal it is foreseen that funding for security will increase by 40% compared to the 2014-2020 budget. For Horizon Europe’s sub-budget known as Cluster 2: “Inclusive and Secure Society”, the Commission proposes a budget of €2.8 billion in which security research plays a prominent role. Beyond financial issues, Horizon Europe aims to be more ambitious in terms of delivering results to society, for which the Security Research Event (SRE) 2018 is paving the way forward.



### 1. DANTE ("Detecting and Analysing Terrorist-related online contents and financing activities")

Concluding its work in February 2019, DANTE is compiling a set of tools, techniques, processes and algorithms to help law-enforcement authorities identify and monitor terrorist-related activity online. It focuses on terrorist-related fund raising, propaganda (including recruitment, incitement, radicalisation and disinformation) and training activities. DANTE's tool kit is based on existing technologies but enhanced with innovative functionalities. Its solutions comprise a system for gathering and assessing multimedia and multilingual content from their multiple possible sources: the surface web (sites accessible to anyone), the deep web (content not indexed by standard search engines) or the dark web (networks requiring specific software, configurations or authorisation). DANTE aims to identify, monitor individuals and online communities, link pseudonyms with real people and, finally, capture and store data for further analysis. These results should significantly reduce the time and money needed for terrorism-related investigations, thereby boosting security levels. DANTE also takes full account of legal, ethical and privacy issues to improve public perception of the security measures required to combat online terrorist activities.

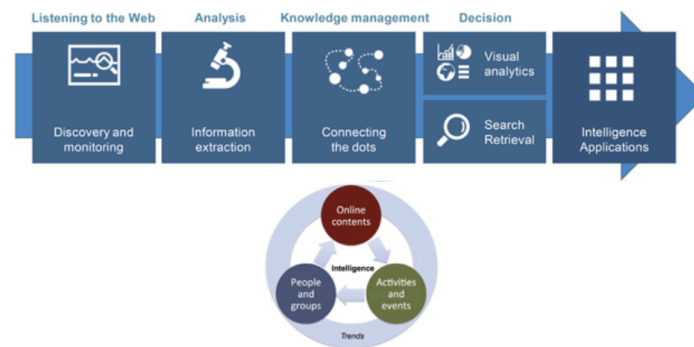


Figure 30: DANTE mention in the SRE event

## 4 Linking/Interactions with other projects

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The main purpose of establishing relationships with other initiatives is to create synergies among DANTE and other projects, called *sister projects*, that are in the same sector of DANTE (i.e. security), in order to increase the impact of DANTE and at the same time improve the effectiveness of the carried out activities and support projects cross-fertilisation, by sharing lessons learnt and solutions adopted against similar faced challenges. In order to properly achieve such objectives and identify and contact relevant projects, a methodology has been defined from the beginning of the project to draw a path to be followed in searching and contacting projects and to create useful means to be used in this activity. In particular the methodology adopted is constituted by the three following steps:

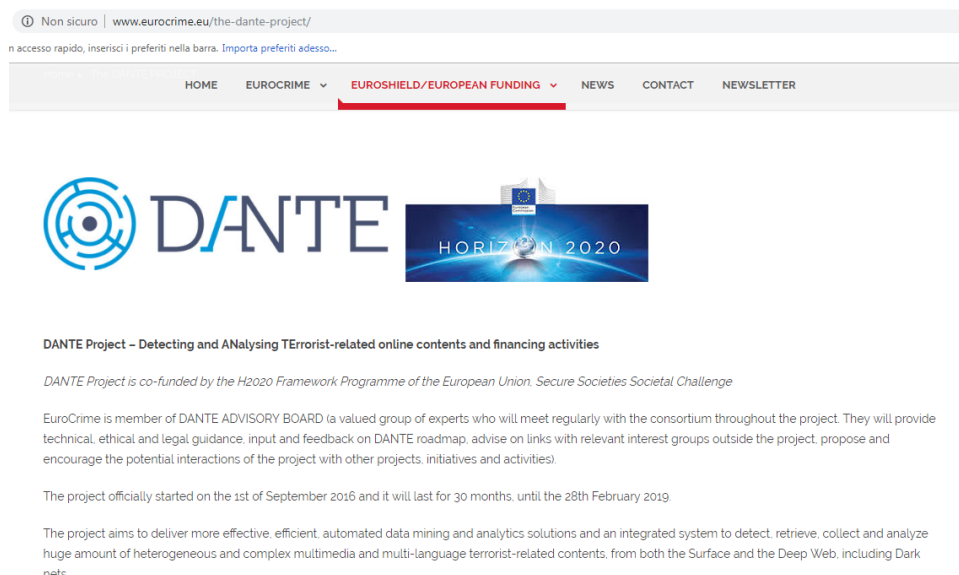
- Identifying relevant projects in the security and forensics sectors to be contacted;
- Proposing a collaboration to the identified projects;
- Following up the collaboration proposal and establishing synergies.

**During the first reporting period, collaborations with the following projects have been established:**

- Partner RISSC participated to the **RAMSES** project-end users workshop and consortium meeting, referencing the DANTE Project in order to verify possible synergies between the projects, 21 February 2017, Milan (Italy).
- Partner RISSC participated to the **NARCOMAP** kick-off meeting, referencing the DANTE Project in order to verify possible synergies between the projects - issue: relationship between NPS trafficking and use of NPS during terrorist attacks, 9 March 2017, Bergamo (Italy).
- Partner RISSC participated to the **eMORE** project national seminar, referencing the DANTE Project (link to the Project website) while talking about the possible relationships between migration and terrorism, 28 March 2017, Rome (Italy).
- Partner RISSC participated to the **NARCOMAP** project workshop of experts, at a discussion about the relationship between NPS (online) trafficking and use of NPS during terrorist attacks, 7 June 2017, Turin (Italy).
- Partner CERTH organized jointly with **ASGARD**, **FORENSOR** and **SURVANT**, on the 29 August – 1 September 2017, in Lecce, Italy, <http://avss2017.vcl.it/it/gr/> the workshop entitled “Analysis of video and audio “in the Wild” Addressing real-world data sources to support the fight against crime and terrorism”.
- Partner ENG participated to the workshop organised by **LASIE** in Turin (Italy), on 28 September 2017.
- Links on the respective project websites have been established with projects **LASIE**, **RAMSES**, **SURVANT** and **PROTON**.
- A collaboration with project **TENSOR**, managed by the project coordinator ENG along with partner CERTH, has been started during the current reporting period and will continue during the next one. Until now, a roadmap for project collaboration has been defined, representatives of both projects have attended consortium meetings of the sister projects and an on-going discussion/collaboration is carried out for defining and exchanging modules/know-how between the two projects.
- Exchange of news and link with the Horizon2020 project **ANITA**: <https://www.anita-project.eu>.

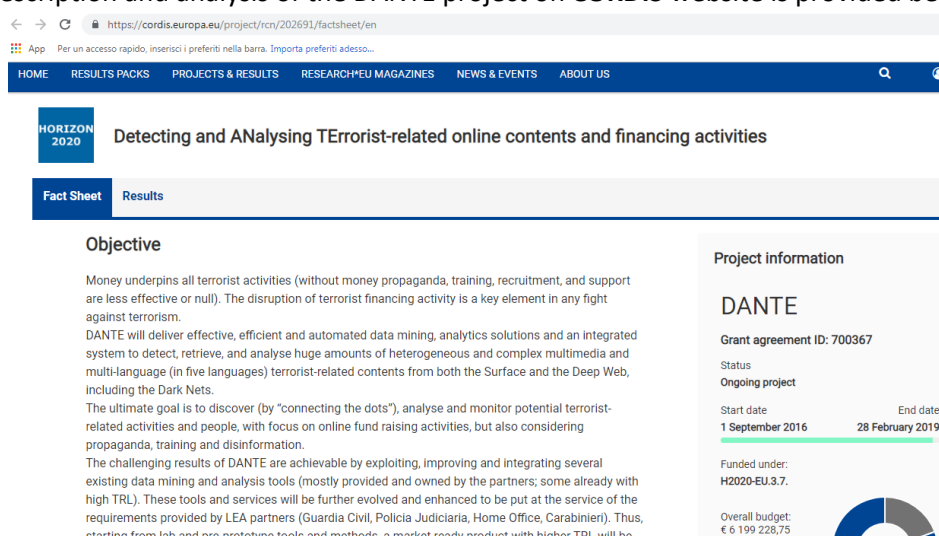
### Exchange of news and links with other websites for the second reporting period:

- Links on the respective project websites have been established with project partner ENGINEERING, EXPERT SYSTEM, CIAOTECH, VOCAPIA, AIT, TRILATERAL RESEARCH, KULEVEN, PRAGSIS, INNOVATION ENGINEERING and CERTH.
- Exchange of news and information with **EUROCRIME** website, below an example.



**Figure 31: DANTE mention in the EUROCRIME website**

- The description and analysis of the DANTE project on **CORDIS** website is provided below.



**Figure 32: DANTE mention in the CORDIS website**

- **MMM2019** mentioned DANTE in its website, since the project partners INNOVATION ENGINEERING, VOCAPIA, UTRC, AGNI and CERTH attended the 25th International Conference on Multimedia Modeling, held from 8th to 11th January 2019 in Thessaloniki (Greece), a leading international forum for researchers and industry practitioners to share new ideas, original research results and practical development experiences from all multimedia-related areas.

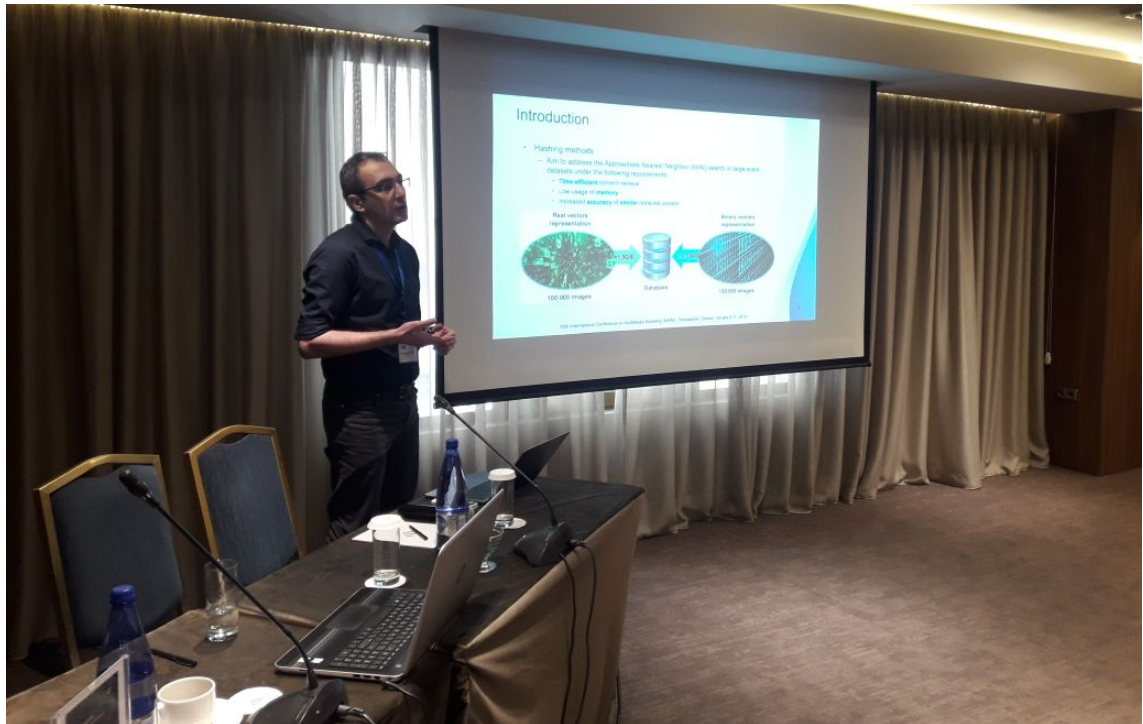
Non sicuro | mmm2019.iti.gr/conference-program/

in accesso rapido, inserisci i preferiti nella barra. [Importa preferiti adesso...](#)

09:20-10:20	<a href="#">Keynote Talk 3</a> : Prof. Martha Larson (Session Chair: Vasileios Mezaris)
10:50-12:30	<a href="#">Oral Session 5A</a> : Special Session 4 – CTA
10:50-11:05	Luis Lebron Casas and Eugenia Koblenz. Video Summarization with LSTM and Deep Attention Models
11:05-11:20	Jodie Gauvain, Lori Lamel, Viet Bac Le, Julien Despres, Jean-Luc Gauvain, Abdel Messaoudi, Bianca Vieru, and Waad Ben Kheder. Challenges in Audio Processing of Terrorist-related Data
11:20-11:35	George Kalpakis, Theodora Tsikrika, Stefanos Vrochidis, and Yiannis Kompatsiaris. Identifying Terrorism-related Key Actors in Multidimensional Social Networks
11:35-11:50	Alexander Schindler, Martin Boyer, Andrew Lindley, David Schreiber, and Thomas Philipp. Large Scale Audio-Visual Video Analytics Platform for Forensic Investigations of Terroristic Attacks
11:50-12:05	Andrea Ciapetti, Giulia Ruggiero, and Daniele Toti. A Semantic Knowledge Discovery Framework for Detecting Online Terrorist Networks
12:05-12:20	Konstantinos Gkoutakos, Theodoros Semertzidis, Georgios Th. Papadopoulos, and Petros Daras. A Reliability Object Layer for Deep Hashing-based Visual Indexing

**Figure 33: DANTE mention in the MMM19 website**

Moreover, in the framework of the conference and in collaboration with the sister project **ASGARD**, project partner **CERTH** organized the special session entitled **Large-scale big data analytics for online counter-terrorism applications**.



**Figure 34: DANTE at the special session Large-scale big data analytics for online counter-terrorism applications**

The session dealt with the urgency to develop and implement appropriate countermeasures to enable the Law Enforcement Agencies (LEAs) and intelligence officials to continuously monitoring in near real time on-line relevant for the purposes of counter terrorism. It focused also on the study, design, development and dissemination of effective, efficient, automated Big Data analytics solutions, to search and retrieve, collect and analysed huge amounts of heterogeneous and complex terrorist-related data from both the Surface and the Deep Web, in order to discover, detect, analyse and monitor any possible aspect of potential terrorist-related activities.

The discussion leveraged the results of the EU-funded projects DANTE and ASGARD, but in the spirit of openness it had welcomed contributions from the broader research community.

During the session papers were presented in order to cover topics related to indexing, deep hashing and query optimization for very large multimedia collections; social network analysis; deep Web and Dark Nets source analysis; information extraction and knowledge discovery from unstructured sources; named entity recognition; human action recognition and event detection in large RGB databases; speaker identification and clustering; learning social network embeddings; language identification; acoustic event detection.

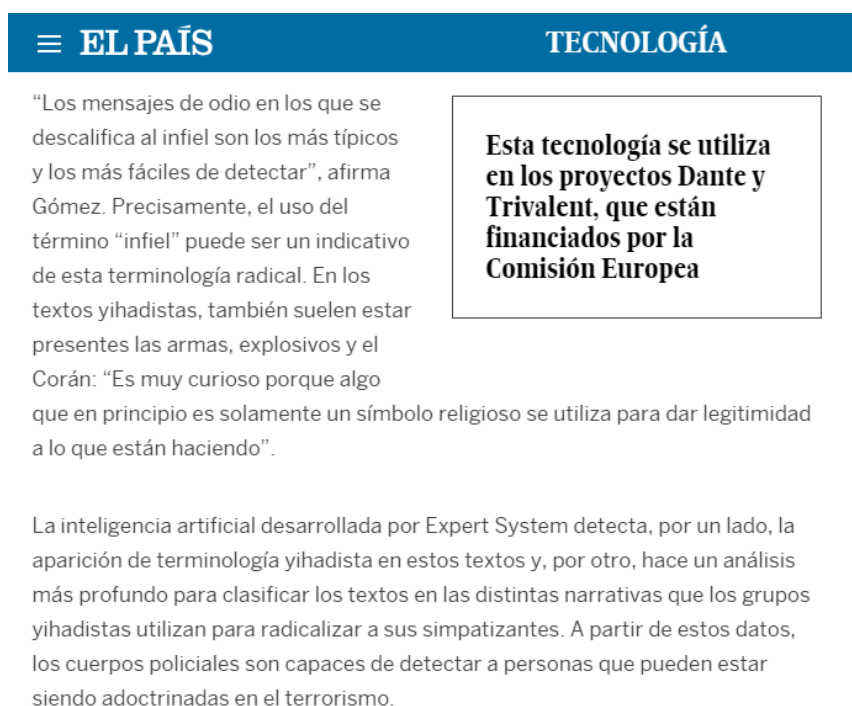
The following list of papers were presented and discussed:

- Luis Lebron Casas and Eugenia Koblents. Video Summarization with LSTM and Deep Attention Models
- Jodie Gauvain, Lori Lamel, Viet Bac Le, Julien Despres, Jean-Luc Gauvain, Abdel Messaoudi, Bianca Vieru, and Waad Ben Kheder. Challenges in Audio Processing of Terrorist-related Data
- Andrea Ciapetti, Giulia Ruggiero, and Daniele Toti. A Semantic Knowledge Discovery Framework for Detecting Online Terrorist Networks
- Konstantinos Gkoutakos, Theodoros Semertzidis, Georgios Th. Papadopoulos, and Petros Daras. A Reliability Object Layer for Deep Hashing-based Visual Indexing

- Jesús Jorrín and Luis Buera. DANTE Speaker Recognition Module. An Efficient and Robust Automatic Speaker Searching Solution for Terrorism-related Scenarios

Further mentions of the DANTE project can be found at:

- The **SECURITY RESEARCH EVENT 2018** newsletter issue number two mentioned the DANTE project: <https://www.sre2018.eu/>.
- Exchange of news and link with the Horizon2020 project **ANITA**: <https://www.anita-project.eu>.
- **AlgorithmWatch**: mentioned DANTE Project in the article **Automating Society: Taking Stock of Automated Decision-Making in the EU** available at the following link [https://ln.syncusercontent.com/mfs-60:242bb81129f47e0d397eec719cce329e=====p/Automating\\_Society\\_Report\\_2019.pdf?allowdd=0&datakey=r3xwlv0F61OStNPkSkNt- jfPgT5zVzbaxN2MPMjVM+hYHLHqz5/p1N6Uh9J9M1biMiuVtsnrxrMmiAVGXDH5rCrAXn-ViLAh0N2UFFGaHNKw+GPFgovH9GI5YkcB2BmKMK/Vt8BRr88kalDXh/hq6Zdl-ojrc1gp3xnIL+G0IFhv59Se42wAXkzhuAOdmoxWJT97ZZCNJTJZxNd2h5HwPX5MyDnQZnRjPsZlCi-oZKYN4AFoR/WdtJmkbkSWpzhNfLRQb+6TQkf5WWaDky52nocMx+H2tsU-hYu7g9rxwwpPcQqsOXyJlwj1B4a1tK0CvHUov+z9qN0PYQ94NO/c1lgrltBg&engine=ln-3.1.0&errurl=k4Ao79HKG27cQSB0Xa8uVfutIJWD4niNFKV8m+arJLLbcuD/pibh58xQ4bi/0StDDV1q5YunkotX8Apw4iA88VJTzSzE7oT-PpkOwuniqr1y1Wh2+qgw5QbYfnmBtj6hirdN7xzHnEcK53sLpCRqv5F9g5XVLFST3Kr3lyfX3FxLxvl82](https://ln.syncusercontent.com/mfs-60:242bb81129f47e0d397eec719cce329e=====p/Automating_Society_Report_2019.pdf?allowdd=0&datakey=r3xwlv0F61OStNPkSkNt- jfPgT5zVzbaxN2MPMjVM+hYHLHqz5/p1N6Uh9J9M1biMiuVtsnrxrMmiAVGXDH5rCrAXn-ViLAh0N2UFFGaHNKw+GPFgovH9GI5YkcB2BmKMK/Vt8BRr88kalDXh/hq6Zdl-ojrc1gp3xnIL+G0IFhv59Se42wAXkzhuAOdmoxWJT97ZZCNJTJZxNd2h5HwPX5MyDnQZnRjPsZlCi-oZKYN4AFoR/WdtJmkbkSWpzhNfLRQb+6TQkf5WWaDky52nocMx+H2tsU-hYu7g9rxwwpPcQqsOXyJlwj1B4a1tK0CvHUov+z9qN0PYQ94NO/c1lgrltBg&engine=ln-3.1.0&errurl=k4Ao79HKG27cQSB0Xa8uVfutIJWD4niNFKV8m+arJLLbcuD/pibh58xQ4bi/0StDDV1q5YunkotX8Apw4iA88VJTzSzE7oT-PpkOwuniqr1y1Wh2+qgw5QbYfnmBtj6hirdN7xzHnEcK53sLpCRqv5F9g5XVLFST3Kr3lyfX3FxLxvl82).
- Exchange of news and information with the platforms **SIRIUS** and **ILEANET**.
- The **EL PAÍS** mentioned DANTE in an online article written by EXPERT SYSTEM: **La Inteligencia artificial que detecta amenazas terroristas**. The article is available at this link: [https://elpais.com/tecnologia/2019/01/02/actualidad/1546466761\\_871053.html](https://elpais.com/tecnologia/2019/01/02/actualidad/1546466761_871053.html)



**Figure 35: DANTE mention in the EL PAÍS website**

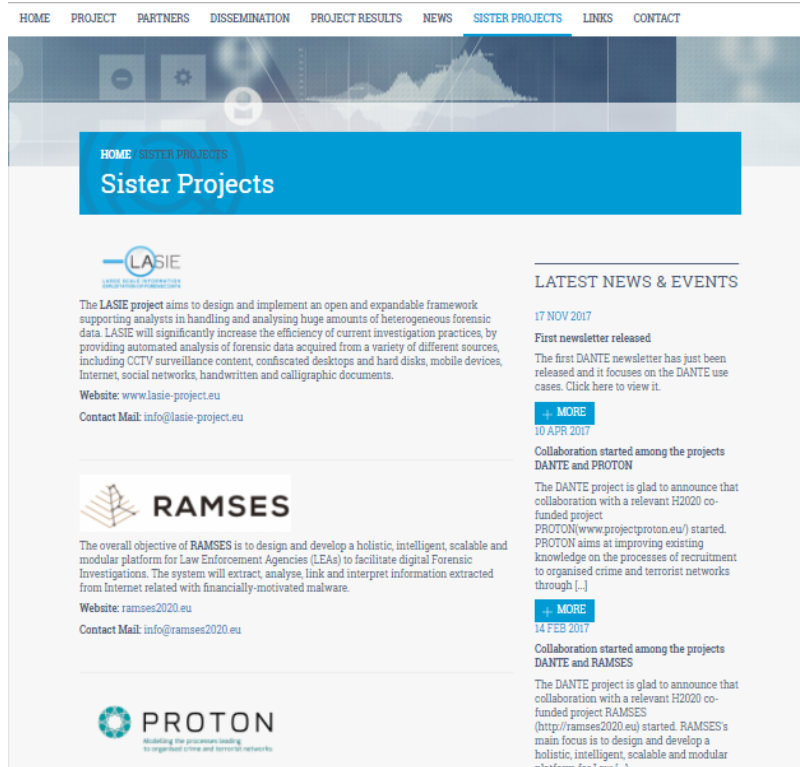
- DANTE was mentioned in the **DAS MAGAZIN DER MANDELSKAMMER HAMBURG** website, with the article **Mit Software Gegen Terror** made by partner **PROMT** in June 2017, available here: <http://ham-burger-wirtschaft.de/pdf/062017/index.html#44/z>.

Moreover, five sister projects (i.e. TENSOR, SURVANT, Red Alert, ANITA, ASGARD, I-LEAD) were invited to present their achievements at the Lisbon event on November 2018. TENSOR and SURVANT had also the opportunity to present a system demo.

Five projects (ANITA, ASGARD, SURVANT, ILEANet and SIRIUS) were presented to the final DANTE workshop in Rome on the 20<sup>th</sup> of February 2019. SURVANT had the opportunity to present the final version of the platform.

A dedicated page in the project website lists all sister projects exchanging their web site link with DANTE.






HOME PROJECT PARTNERS DISSEMINATION PROJECT RESULTS NEWS **SISTER PROJECTS** LINKS CONTACT

## HOME **SISTER PROJECTS**


### Sister Projects



**LASIE**  
LAW ENFORCEMENT ANALYSIS SYSTEMS FOR INVESTIGATION

The LASIE project aims to design and implement an open and expandable framework supporting analysts in handling and analysing huge amounts of heterogeneous forensic data. LASIE will significantly increase the efficiency of current investigation practices, by providing automated analysis of forensic data acquired from a variety of different sources, including CCTV surveillance content, confiscated desktops and hard disks, mobile devices, Internet, social networks, handwritten and calligraphic documents.


Website: [www.lasie-project.eu](http://www.lasie-project.eu)  
Contact Mail: [info@lasie-project.eu](mailto:info@lasie-project.eu)



**RAMSES**

The overall objective of RAMSES is to design and develop a holistic, intelligent, scalable and modular platform for Law Enforcement Agencies (LEAs) to facilitate digital Forensic Investigations. The system will extract, analyse, link and interpret information extracted from Internet related with financially-motivated malware.

Website: [ramses2020.eu](http://ramses2020.eu)  
Contact Mail: [info@ramses2020.eu](mailto:info@ramses2020.eu)



**PROTON**  
Abolishing the processes leading to organised crime and terrorist networks

#### LATEST NEWS & EVENTS

17 NOV 2017  
**First newsletter released**  
The first DANTE newsletter has just been released and it focuses on the DANTE use cases. Click here to view it.

10 APR 2017  
**Collaboration started among the projects DANTE and PROTON**  
The DANTE project is glad to announce that collaboration with a relevant H2020 co-funded project PROTON([www.projectproton.eu/](http://www.projectproton.eu/)) started. PROTON aims at improving existing knowledge on the processes of recruitment to organised crime and terrorist networks through [...]

14 FEB 2017  
**Collaboration started among the projects DANTE and RAMSES**  
The DANTE project is glad to announce that collaboration with a relevant H2020 co-funded project RAMSES (<http://ramses2020.eu>) started. RAMSES's main focus is to design and develop a holistic, intelligent, scalable and modular platform for [...]

Figure 36: DANTE sister projects page

## 5 The End User Advisory Board

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### 5.1 The End User Advisory Board functions and objectives

The function of the End User Advisory Board (EUAB) is to ensure an expert, external and impartial point of view so as to support the DANTE consortium in providing on the one hand suggestions for effective development and implementation of the project, and on the other hand feedback on the features and framework set up, by testing and evaluating their effectiveness.

The EUAB consists of a number of external experts, particularly interested in DANTE topics and expected results, having expertise in the areas of interest of the DANTE project. EUAB will sustain the DANTE consortium by means of open discussions when coming across crucial project management decisions with respect to definition of operational requirement and specifications, scenario prioritization, testing and validation of the framework.

The EUAB will be maintained throughout the whole duration of the DANTE project in order to ensure an adequate support during all the phases of the project. The feedback gathered by the EUAB is carefully taken into account and used for eventually refining the activities performed.

The DANTE End User Advisory Board **main objectives** are the following:

- to bring to the project expertise related to the fight against terrorism, to investigations;
- to provide an impartial and expert vision about the project activities, in order to ensure the project compliance with legal, ethical and privacy rules; to support project activities and discussions both on legal and ethical aspects of the use of digital evidences (images, videos, texts and audio), taking into account European policies;
- to provide concrete contributions and suggestions in order to identify users' needs;
- to ensure that the project will properly and correctly address them and to finally evaluate the project results;
- to actively contribute to achieve a wide diffusion of the project results towards policy makers, General Public and law enforcement authorities, by supporting the DANTE consortium in the dissemination activities among their network.

### 5.2 The members of the End User Advisory Board

Since the proposal definition stage, the consortium identified the necessary expertise required to EUAB members in order to support the project activities and cover the various relevant areas of the project. To this end, relevant people belonging to police forces and counter terrorism agencies, forensic institutions and criminology associations and having the required expertise were identified and contacted, in order to evaluate their interest in being part of the DANTE EUAB.

Once the project started, the candidates, all coming from high prestigious institutions, public security organisations and associations, confirmed their interest and were formally included in the EUAB during the advisory board set up phase.

The consortium paid special attention to involving candidates coming from different European countries, with a purpose of maximizing the diverse sensibilities about security, counter terrorism, forensic, privacy and ethical issues, ensuring a wider expertise owned by the Advisory Board as a whole in these areas.

This ensured that all the EUAB members have adequate expertise in order to enable:

- Clear understanding of the constraints currently being handled in terrorist activities investigations;
- Clear understanding of the end users' needs in carrying out in such investigations;

In the next table, the list of the members of the DANTE EUAB is reported.

#	Name	Organisation	Expertise	Country
1	Prof. Silvia Ciotti	Eurocrime	Ethics, privacy, criminology	IT
2	Dr. Dimitrios Gkritzapis	officer in European & Development Programmes Division (E.D.P.D.)	End user	EL
3	Rantos Kostantinos	University of Trace	Security	EL
4	Andreas Wolkenstein	Universitat Tübingen	Ethics, privacy	DE
5	Gabriele Juodkaite-Granskiene	Forensic Science Centre of Lithuania	Forensics	LT
6	Ruth Morgan	UCL Institute of Forensic Science	Forensics	UK
7	Jonathan Betts	I-Case Associates	Security (former end user)	UK
8	Karel Pelan	Interpol - assistante director Counter Terrorism	End user	INT (FR)
9	Bryan Zinn	Interpol	End user	INT (FR)
10	Mr Scott Wilson	Detective Chief Superintendent at National Counter Terrorism UK	Counter terrorism expert	UK
11	Jean-Francois ONA	Métropol Nice Cote d'Azur	End-user	FR
12	Giannis Meletiadis	PDEng, Dipl. Electrical Engineer	Sales Support & Project Manager	GR

**Table 1: End User Advisory Board members**

### 5.3 The letter of confidentiality

All the EUAB members have been requested to sign a Letter of Confidentiality, in order to establish a framework of cooperation between the EUAB members and the DANTE consortium and to clearly define the requirements in terms of privacy and confidentiality and non-disclosure.

The Letter of Confidentiality has been signed by all the EUAB members. In Annex the template of this document is reported.

## 6 Conclusions

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This report provides an overview of the dissemination activities carried out by the project consortium during the whole project life time.

To summarise, the dissemination material, including graphic identity of the project, brochures and posters for the project dissemination at events and with target groups have been prepared, published and distributed in the website for being used in their dissemination activities.

The public website has been developed and published at the address <http://www.h2020-dante.eu> within month 3 (as planned in the DOA). The website contains updated information about the project scope, aims and benefits, the project documentation, the DANTE e-Newsletter, the link to the project sisters and information about project progress and other news of interest related to the security topic.

The main sections of the project website were also translated in German, French, Italian, Spanish, Portuguese.

From the beginning of the project, four newsletters have been published and disseminated through project and partners channels. A last one will be released before the end of the project.

In the first reporting period four workshops have been organized directly by project partners with the involvement of project internal and external stakeholders. Conventional channels have been used to disseminate and communicate project results, such as papers (of which 3 open access papers), presentations, speeches and workshops at 12 international events (conferences, international workshops, fairs) and on the official booklet of DG HOME. The consortium is planning new submissions of papers both in international events and journals.

In the second reporting period many dissemination activities were implemented: three workshops were organized and 12 workshops were attended, DANTE took also part in 18 conferences and two exhibitions.

Six scientific papers were published and one is currently under review.

Throughout the entire project duration, social channels have been also used such as institutional partners' websites, social channels, electronic newsletters and online blogs to disseminate project news, events, results and newsletters.

Moreover a synergy strategy with other EU projects in the same thematic area of DANTE has been put in place with a collaboration with 15 projects (**RAMSES, NARCOMAP, eMORE, MEDIA4SEC, ASGARD, FORENSOR, SURVANT, LASIE, PROTON, TENSOR, RED ALERT, SIRIUS, ILEANet, I-LEAD and ANITA**).

The collaboration with the EUAB has been established involving 12 experts on ethics, privacy, criminology, forensics, security supporting the consortium in project activities.

## 7 The Dissemination Tables

Below are reported the dissemination tables describing the actions implemented by the project partners.



### Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	ENGINEERING	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium				<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>
Workshop	ENGINEERING	AS-GARD/DANTE Workshop: Research and the Dark Web – Ethical, Legal and Privacy Challenges	27/3/2018	Belfast-Northern Ireland (Ulster University)	LEAs, Security industry	30	EU MSs	Asgard website
Workshop	ENGINEERING	1st International Workshop on Research & Innovation for Secure Societies - RISS 2018	15/06/2018	Bucharest-Romania (Polytechnic University)	LEAs, Security industry	50	EU MSs	Red Alert project website; Victoria project website; <a href="https://www.comms.ro/workshops.html">https://www.comms.ro/workshops.html</a>

Conference	ENGINEERING	Octopus Conference on Cyber-crime and e-evidence (Council of Europe Task Force on Cyber-crime T-CY)	11-13/07/2018	- Strasbourg - France (Council of Europe)	LEAs, policy makers, cyber-crime experts	500	CoE Countries and observers	<a href="https://www.coe.int/en/web/cybercrime/octopus-conference">https://www.coe.int/en/web/cybercrime/octopus-conference</a>
Workshop	ENGINEERING	organization of the workshop and presentation of DANTE to US Mission to the EU, German Marshall Fund and Center for Democracy & Technology	05/06/2018	Leuven - Belgium (KU Leuven University)	Academia, policy makers, government officials	20	Belgium, United States	
Conference	ENGINEERING	Freedom and Security/ Euro-pol/ERA Conference	22-23/11/18	The Hague (Netherlands)	LEAs, academia, policy makers, govt/officials, security industry	350	EU, globally	
Workshop	ENGINEERING	Workshop on Radicalisation: Eu-	10/01/19	Brussels, Belgium	Policy makers	80	EU MSs	<a href="https://www.europris.org/events/radicalisation-workshop-brussels-2019/">https://www.europris.org/events/radicalisation-workshop-brussels-2019/</a>



		Funded Projects Tackling Ideology And Polarisation						
Conference	ENGINNEERING	CPDP 2019	1/2/2019	Brussels, Belgium	Academia, Policy Makers, Privacy Community	1.5k	Globally	
Workshop	ENGINNEERING	Workshop on countering CSE	13/09/2018	Den Haag	LEAs, academia, policy makers, govt/ 58 official, security industry	50	EU, globally	<a href="https://www.europol.europa.eu/events">https://www.europol.europa.eu/events</a>
Conference	ENGINNEERING	EB-DVF18	13/11/18	Vienna, Austria	LEAs, academia, policy makers, govt/ 58 official, security industry	1K	Globally	<a href="http://www.bdva.eu/node/964">http://www.bdva.eu/node/964</a>
Workshop	ENGINNEERING	CoU radicalisation workshop	05/12/2017	Brussels, Belgium	LEAs, academia, policy makers, govt/ 58 official, security industry	30	EU, globally	<a href="https://www.securityresearch-cou.eu/">https://www.securityresearch-cou.eu/</a>
Workshop	ENGINNEERING	9th Community Of Users On Safe,	06/12/2017	Brussels, Belgium	LEAs, academia, policy	100	EU, globally	<a href="https://www.securityresearch-cou.eu/node/18">https://www.securityresearch-cou.eu/node/18</a>

		Secure And Resilient Societies – Workshop on CYBER-CRIME			makers, govt/ 59 official, security industry			
Workshop	ENGINNEERING	13th Meeting of the Community of Users on Secure, Safe, Resilient Societies	28-29/03/2019	Brussels, Belgium	LEAs, academia, policy makers, govt/ 59 official, security industry	100	EU, globally	<a href="https://www.securetyresearch-cou.eu/node/9200">https://www.securetyresearch-cou.eu/node/9200</a>

**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Publications on a magazine	ENGINNEERING	'Big picture' platforms boost fight against online terror activity	29/11/18	The EU Research & Innovation Magazine				<a href="https://horizon-magazine.eu/article/big-picture-platforms-boost-fight-against-online-terror-activity.html">https://horizon-magazine.eu/article/big-picture-platforms-boost-fight-against-online-terror-activity.html</a>

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

<b>Scientific Community (Higher Education, Research)</b>	>500
<b>Industry</b>	> 50
<b>Civil Society</b>	
<b>General Public</b>	
<b>Policy Makers</b>	>100
<b>Media</b>	1
<b>Investors</b>	
<b>Customers</b>	> 100
<b>Other</b>	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Workshop	EXPERT SYSTEM	International workshop on hybrid statistical semantic understanding and emerging semantics	21-25/10/2017	Vienna, Austria				
Conference	EXPERT SYSTEM	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium				<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>
Tutorial (organized by us)	EXPERT SYSTEM	Tutorial on Hybrid Techniques for Knowledge-based NLP	8/10/18	Monterey, California	Scientific Community and Industry	50	International	<a href="http://expertsystem-lab.com/hybridNLP18/">http://expertsystem-lab.com/hybridNLP18/</a>

**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website

News article	EXPERT SYSTEM	La inteligencia artificial que detecta amenazas terroristas	23/01/2019	Spain	General Public	65M in combined web and printed media as of May 2018. 43% of which are in Latin America. (https://elpais.com/politica/2018/07/26/actualidad/1532599825_885398.html) 20M unique visitors to website on December 2018 according to	Spain and Latin America	<a href="https://elpais.com/tecnologia/2019/01/02/actualidad/1546466761_871053.html">https://elpais.com/tecnologia/2019/01/02/actualidad/1546466761_871053.html</a>
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						com-Score (https://pronoticias.com/prensa/pr/2017/26-el-pais-lider-com-score-dic-iem-bre)		
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Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

<b>Scientific Community (Higher Education, Research)</b>	30
<b>Industry</b>	20
<b>Civil Society</b>	
<b>General Public</b>	7M (conservative estimate, assuming about 10% of El País readers read the article)
<b>Policy Makers</b>	
<b>Media</b>	
<b>Investors</b>	
<b>Customers</b>	
<b>Other</b>	



Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
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Paper submission in a Conference	CERTH	Ice2017 special session 'Fighting against crime using video analysis'	27-29 June 2017	Medeira, Portugal				
Paper submission in a Conference	CERTH	"Incorporation of Semantic Segmentation Information in Deep Hashing Techniques for Image Retrieval" in special session 'Fighting against crime using video analysis'	15 July 2017	New York, USA				
Paper submission in a Conference	CERTH	Global Flow and Temporal-shape Descriptors for	January 2018					

		Human Action Recognition from 3D Reconstruction Data”, in International conference on machine learning and data mining						
Conference	CERTH	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium	Wide range of security stakeholders	>800	Mainly Europe	<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>
Workshop	CERTH	Attendance to EURO-POL workshop on Child Sexual Exploitation	13/9/2018	The Hague, Netherlands	LEA officers and practitioners	>50	EU Member states	
Organization of conference special session	CERTH	Session title “Large-scale big data analytics for online counter-terrorism applications”	11/1/2019	Thessaloniki, Greece	Academic	>200	Global	<a href="http://mmm2019.itl.gr">http://mmm2019.itl.gr</a>



Workshop	CERTH	DANTE end-user workshop	21/11/2018	Lisbon, Portugal	LEA of-ficers and practitioners	>70	Mainly Europe	
Conference paper presentation	CERTH	Paper title "Deep 3D Flow Features for Human Action Recognition"	4-6/9/2018	La Rochelle, France	Academic	>100	Global	<a href="http://cbmi2018.univ-lr.fr">http://cbmi2018.univ-lr.fr</a>
Conference paper presentation	CERTH	Paper title "A Reliability Object Layer for Deep Hashing-based Visual Indexing"	8-11/1/2019	Thessaloniki, Greece	Academic	>200	Global	<a href="http://mmm2019.itl.gr">http://mmm2019.itl.gr</a>

**Scientific publications (This field is only for peer reviewed articles)**

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
Conference publication	A Reliability Object Layer for Deep Hashing-based Visual Indexing	10.1007/978-3-030-05716-9_11	978-3-030-05716-9	K. Gkoutakos, T. Sermertidis, G. Th. Papadopoulos and Petro	MM - International Conference on Multimedia	8-11/1/2019	Springer, Cham		2019	132-143			Not yet

				s Dara s	Mod- eling								
<i>Con- fer- enc- e pub- lica- tion</i>	Deep 3D Flow Fea- tures for Hu- man Action Recog- nition	10.1109/CBML.2018.85 16470	978- 1- 5386 - 7021 -7	Atha- na- sios Psal- tis ; Geor- gios Th. Papa- do- pou- los ; Petro s Dara s	Int. Conf. on Con- tent- Base d Mul- time- dia In- dex- ing (CBM I)	01 No- vember 2018	IEEE	-	201 8				
<i>Jour- nal pub- lica- tion</i>	Deep Multi- modal Repre- sentation Schem- es for 3D Hu- man Action Recog- nition	-	-	Atha- na- sios Psal- tis ; Geor- gios Th. Papa- do- pou- los ; Petro s Dara s	IEEE Tran- sac- tions on Cir- cuits and Sys- tems for Vide- o Tech- nol- ogy	-	IEEE	-	201 8			<i>In Peer Re- view</i>	

\*Publications accessible via OpenAIRE will be displayed automatically. Beneficiaries will only need to check if the publications are linked to the project.

\*\* In case of publications not registered via OpenAIRE, the beneficiary encodes the Digital Object Identifier (DOI) and all the rest of information is completed automatically.

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

<b>Scientific Community (Higher Education, Research)</b>	>300
<b>Industry</b>	
<b>Civil Society</b>	
<b>General Public</b>	
<b>Policy Makers</b>	
<b>Media</b>	
<b>Investors</b>	
<b>Customers</b>	>920

Other	
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## Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Workshop	INNOVATION ENGINEERING	DANTE Workshop	November 2018	Lisbon, Portugal	LEAs	<100		
Conference	INNOVATION ENGINEERING	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium	industry, researchers, policy makers, practitioners, end-users	1000+ participants	Europe	<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>
Workshop	INNOVATION ENGINEERING	Tecnologie Informative per la protezione delle infrastrutture critiche	10/12/18	Rome, Italy	industry, researchers, policy makers, practitioners, end-users	50		<a href="http://cesi-italia.org/eventi/822/tecnologie-informatiche-per-la-protezione-delle-infrastrutture-critiche">http://cesi-italia.org/eventi/822/tecnologie-informatiche-per-la-protezione-delle-infrastrutture-critiche</a>
Conference	INNOVATION ENGINEERING	MMM2019	January 8-11, 2019	Thessaloniki, Greece	Scientific Community			<a href="http://mmm2019.itigr/">http://mmm2019.itigr/</a>

**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
News on Website	CIAO-TECH	DANTE project officially started	19/19/2016	DANTE Project website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/project-start/">https://www.h2020-dante.eu/news/project-start/</a>
News on Website	CIAO-TECH	Analysis of video and audio "in the Wild" – an International Workshop at IEEE AVSS 2017	09/02/2017	DANTE Project website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/analysis-video-audio-wild-international-workshop-ieee-avss-2017/">https://www.h2020-dante.eu/news/analysis-video-audio-wild-international-workshop-ieee-avss-2017/</a>
News on Website	CIAO-TECH	Collaboration started among the projects DANTE and RAMSES	14/02/2017	DANTE Project website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/collaboration-started-among-projects-dante-ramses/">https://www.h2020-dante.eu/news/collaboration-started-among-projects-dante-ramses/</a>
News on Website	CIAO-TECH	Collaboration started among the projects DANTE and PROTON	10/04/2017	DANTE Project website	Companies/ Research organizations/		Europe	<a href="https://www.h2020-dante.eu/news/collaboration-started-among-projects-dante-proton/">https://www.h2020-dante.eu/news/collaboration-started-among-projects-dante-proton/</a>

					Industrial associations			
News on Website	CIAO-TECH	First newsletter released	17/11/2017	DANTE Project website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/first-newsletter-released/">https://www.h2020-dante.eu/news/first-newsletter-released/</a>
News on Website	CIAO-TECH	DANTE 2nd Newsletter just released!	01/03/2018	Innovation Place Website	Companies/ Research organizations/ Industrial associations	>10.000	Europe	<a href="https://www.innovation-place.eu/news/dante-2nd-newsletter-just-released">https://www.innovation-place.eu/news/dante-2nd-newsletter-just-released</a>
News on Website	CIAO-TECH	Pubblicata la seconda newsletter del progetto DANTE	02/03/2018	Ricerca & Innovazione website	Companies/ Research organizations/ Industrial associations	>6.000	Italy	<a href="https://www.ricercaeinnovazione.it/news/pubblicata-la-seconda-newsletter-del-progetto-dante">https://www.ricercaeinnovazione.it/news/pubblicata-la-seconda-newsletter-del-progetto-dante</a>
News on Website	CIAO-TECH	Second newsletter released	24/10/2018	DANTE Project Website	Companies/ Research organizations/ Industrial		Europe	<a href="https://www.h2020-dante.eu/news/second-newsletter-released/">https://www.h2020-dante.eu/news/second-newsletter-released/</a>

					associations			
News on website	CIAO-TECH	DANTE at the Security Research Conference and Expo 2018	02/10/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-security-research-conference-expo-2018/">https://www.h2020-dante.eu/news/dante-security-research-conference-expo-2018/</a>
Tweet on Twitter	CIAO-TECH	Today, @h2020_Dante_eu hosts seven EU #Horizon2020 projects in Lisbon, at PJ headquarters, discussing about #homeland security	21/11/18	DANTE Twitter Profile	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1065175866030915584">https://twitter.com/h2020_Dante_eu/status/1065175866030915584</a>
Tweet on Twitter	CIAO-TECH	@h2020_Dante_eu demo presentation and opinion sharing in Lisbon, at PJ headquarters	21/11/18	DANTE Twitter Profile	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1065296384327331840">https://twitter.com/h2020_Dante_eu/status/1065296384327331840</a>
Tweet on Twitter	CIAO-TECH	@h2020_Dante_eu pilots in Lisbon, at PJ headquarters. A practical session to	22/11/18	DANTE Twitter Profile	Companies/Research organizations/		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1065593530150727680">https://twitter.com/h2020_Dante_eu/status/1065593530150727680</a>

		determine how much DANTE will help law enforcement practitioners in their day by day work of faithing against crime and terrorism!			Industrial associations			
News on Website	CIAO-TECH	Second Newsletter Released	24/10/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/second-newsletter-released/">https://www.h2020-dante.eu/news/second-newsletter-released/</a>
News on Website	CIAO-TECH	DANTE at the Child Sex Exploitation (CSE) workshop	24/10/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-child-sex-exploitation-cse-workshop/">https://www.h2020-dante.eu/news/dante-child-sex-exploitation-cse-workshop/</a>
News on Website	CIAO-TECH	DANTE attended MEDI@4S EC	24/10/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-attended-medi4sec/">https://www.h2020-dante.eu/news/dante-attended-medi4sec/</a>



News on Website	CIAO-TECH	DANTE collaboration with TENSOR	24/10/18	DANTE Project Website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-collaboration-tensor/">https://www.h2020-dante.eu/news/dante-collaboration-tensor/</a>
News on Website	CIAO-TECH	DANTE and the practitioners training session	24/10/18	DANTE Project Website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-practitioners-training-sessions/">https://www.h2020-dante.eu/news/dante-practitioners-training-sessions/</a>
News on Website	CIAO-TECH	One day workshop for the DANTE project in Lisbon (PJ headquarters) – 21st of November	24/10/18	DANTE Project Website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/one-day-workshop-dante-project-lisbon-pj-headquarters-21st-november/">https://www.h2020-dante.eu/news/one-day-workshop-dante-project-lisbon-pj-headquarters-21st-november/</a>
News on Website	CIAO-TECH	DANTE presented at the “Freedom & Security: Killing the zero sum process” Conference	26/11/18	DANTE Project Website	Companies/ Research organizations/ Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-presented-freedom-security-killing-zero-sum-process-conference/">https://www.h2020-dante.eu/news/dante-presented-freedom-security-killing-zero-sum-process-conference/</a>

News on Website	CIAO-TECH	Newsletter #3 now out!	27/11/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/newsletter-3-now/">https://www.h2020-dante.eu/news/newsletter-3-now/</a>
News on Website	CIAO-TECH	DANTE: 2nd Training session and 1st pilot round for UC2 in Lisbon	27/11/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-2nd-training-session-1st-pilot-round-uc2-lisbon/">https://www.h2020-dante.eu/news/dante-2nd-training-session-1st-pilot-round-uc2-lisbon/</a>
Tweet on Twitter	CIAO-TECH	@h2020_Dante_eu is presented at the #SRE2018. See the 2nd newsletter here <a href="http://pro-pager.jm-sylvain.com/SRE2018/newsletter02/">http://pro-pager.jm-sylvain.com/SRE2018/newsletter02/</a> ...	04/12/18	DANTE Project Twitter	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1069932107269636096">https://twitter.com/h2020_Dante_eu/status/1069932107269636096</a>
Tweet on Twitter	CIAO-TECH	Visit the @h2020_Dante_eu project at #SRE2018. See how DANTE detects, retrieves, and analyses huge amounts of heterogeneous and complex	04/12/18	DANTE Project Twitter	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1069952415607201792">https://twitter.com/h2020_Dante_eu/status/1069952415607201792</a>

		multimedia and multi-language terrorist-related contents from both the Surface and the Deep Web, including the Dark Nets.						
Tweet on Twitter	CIAO-TECH	Visit the DANTE stand at <a href="https://twitter.com/h2020_Dante_eu/status/1070287252587249665">#SRE2018</a>	05/12/18	DANTE Profile Twitter	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1070287252587249665">https://twitter.com/h2020_Dante_eu/status/1070287252587249665</a>
News on Website	CIAO-TECH	DANTE presented at the SRE18!	10/12/18	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/dante-presented-sre-2018/">https://www.h2020-dante.eu/news/dante-presented-sre-2018/</a>
News on Website	CIAO-TECH	Fourth newsletter released	23/01/19	DANTE Project Website	Companies/Research organizations/Industrial associations		Europe	<a href="https://www.h2020-dante.eu/news/fourth-newsletter-released/">https://www.h2020-dante.eu/news/fourth-newsletter-released/</a>

News on website	CIAO-TECH	DANTE newsletter #4 out now!	25/01/19	Innovation Place website	Companies/Research organizations/Industrial associations	>10.000	Europe	<a href="https://www.innovation-place.eu/news/dante-newsletter-4-out-now">https://www.innovation-place.eu/news/dante-newsletter-4-out-now</a>
News on website	CIAO-TECH	Pubblicata la quarta newsletter del progetto DANTE!	25/01/19	Ricerca & Innovazione website	Companies/Research organizations/Industrial associations	>6.000	Italy	<a href="https://www.ricercaeinnovazione.it/news/quarta-newsletter-per-il-progetto-dante">https://www.ricercaeinnovazione.it/news/quarta-newsletter-per-il-progetto-dante</a>
Tweet on Twitter	CIAO-TECH	Legal and ethical aspects presented in the final DANTE conference #EUproject coordinated by @Engineering-Spa	20/02/19	DANTE Twitter Profile	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1098185580922503169">https://twitter.com/h2020_Dante_eu/status/1098185580922503169</a>
Tweet on Twitter	CIAO-TECH	Great success for DANTE's Final Conference in Rome with the participation of more than 50 attendees,	22/02/19	DANTE Twitter Profile	Companies/Research organizations/Industrial associations		Europe	<a href="https://twitter.com/h2020_Dante_eu/status/1098886600354865152">https://twitter.com/h2020_Dante_eu/status/1098886600354865152</a>

		among them Law Enforcement Agencies, the EU Commission and experts on security! #EUproject						
News on Website	INNOVATION ENGINEERING	DANTE: Detecting and Analysing Terrorist-related online contents and financing activities			General Public, Investors			<a href="https://www.innovationengineering.eu/it/attivita-di-ricerca-e-sviluppo/">https://www.innovationengineering.eu/it/attivita-di-ricerca-e-sviluppo/</a>

**Scientific publications (This field is only for peer reviewed articles)**

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
Scientific paper to conference	A semantic knowledge discovery framework for detecting online terrorist networks			Andrea Ciapetti, Giulia Ruggero and Daniele Toti	MM M 2019				2019	12			
Scientific paper to	NETHIC: a system for automatic text classification using neural networks and			Daniele Toti, Luigi Lomasto,	ICEIS 2019				2019	9			

Con- fer- ence *	hierar- chical tax- onomies			Rosa- rio Di Flo- rio, An- drea Cia- petti, Giulia Rug- giero, Giu- seppe Mi- scion e									
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\*Publications accessible via OpenAIRE will be displayed automatically. Beneficiaries will only need to check if the publications are linked to the project.

\*\* In case of publications not registered via OpenAIRE, the beneficiary encodes the Digital Object Identifier (DOI) and all the rest of information is completed automatically.

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

<b>Scientific Community (Higher Education, Research)</b>	5572
<b>Industry</b>	5592
<b>Civil Society</b>	
<b>General Public</b>	3941
<b>Policy Makers</b>	50
<b>Media</b>	
<b>Investors</b>	
<b>Customers</b>	
<b>Other</b>	



**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Presentation in the framework of training course	RISSC	Trans-national organized crime and terrorism:	7-11/06/2018	Rome, Italy	Students	14 students coming from USA, Europe, Africa		

organised by Representative from John Cabot and UNICRI		Is there a nexus?				and Iceland		
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Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

Scientific Community (Higher Education, Research)	50
Industry	
Civil Society	
General Public	14
Policy Makers	
Media	
Investors	
Customers	
Other	



Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Exhibition	PROMT	CeBit	06/2018	Hannover	Industry, Business, General Public, Media	30	Germany	<a href="https://www.cebit.de/en/">https://www.cebit.de/en/</a>
Exhibition	PROMT	IFA	08/2018	Berlin	Industry, Business, General Public, Media	30	Germany	<a href="https://b2b.ifa-berlin.com/">https://b2b.ifa-berlin.com/</a>



**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Publication	PROM T	Mit Software gegen Terror	06/2017	Hamburg	Business, Media, Industry, General Public, Policy Makers	50 000+	Germany	<a href="http://hamburger-wirtschaft.de/pdf/062017/index.html#44/z">http://hamburger-wirtschaft.de/pdf/062017/index.html#44/z</a>

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

<b>Scientific Community (Higher Education, Research)</b>	
<b>Industry</b>	45 000+
<b>Civil Society</b>	
<b>General Public</b>	10 000+
<b>Policy Makers</b>	1 000+
<b>Media</b>	1 000+
<b>Investors</b>	
<b>Customers</b>	100+
<b>Other</b>	



## Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	VOCAPIA	ISS World Europe 2017	13-15 June 2017	Prague, Czech Republic	Law enforcement, Homeland security	>2000	international	
Conference	VOCAPIA	ISS World Europe 2018	June 5 - 7 2018	Prague, Czech Republic	Law enforcement, Homeland security	> 2300 attendees	international	<a href="https://www.issworld-training.com/iss_europe/">https://www.issworld-training.com/iss_europe/</a>
Conference	VOCAPIA	MMM18 24th International Conference on Multimedia Modeling	Sep 2018	Thessaloniki, Greece	Scientific, Industrial	-	international	<a href="http://mmm2019.itl.gr/">http://mmm2019.itl.gr/</a>
Conference	VOCAPIA	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium		-	international	<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>

## Scientific publications (This field is only for peer reviewed articles)

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
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Paper in the framework of ISCA Inter-speech 2018	Exploring Temporal Reduction in Dialectal Spanish: a Large-scale Study of Lenition of Voiced Stops and Codas, Ioana Vasilescu, Nidia Hernandez, Bianca Vieru and Lori Lamel.			VOC APIA		September 2018		Hyderabad, India	2018		Publication	<a href="https://www.isca-speech.org/archive/Inter-speech_2018/">https://www.isca-speech.org/archive/Inter-speech_2018/</a>
Paper for MMM19 Conference	Challenges in audio processing of terrorist-related data, Jodie			VOC APIA		January 2019		Thessaloniki, Greece	2019			<a href="http://mmm2019.itigr/">http://mmm2019.itigr/</a>

	Gauvain, Lori Lamel, Viet Bac Le, Julien Despres, Abdel Messaoudi, Jean-Luc Gauvain, Bianca Vieru and Waad Ben Khe-der												
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Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

Scientific Community (Higher Education, Research)	
Industry	
Civil Society	
General Public	<6000
Policy Makers	
Media	
Investors	
Customers	
Other	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference and exhibition	European Commission and Austrian Ministry	Security Research Event 2018	5-6/12/18	Brussels, Belgium	LEAs, Industry, Academia	800	European countries	<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>
Academic conference	ITI, CERTH	Multi-media Modeling Conference 2019	8-11/1/19	Thessaloniki, Greece	Academia, Industry	500	World-wide	<a href="http://mmm2019.iti.gr">http://mmm2019.iti.gr</a>
Conference	UTRC	Analytics conference	17/5/18	UTRC, East Hartford, USA	Industry	100	World-wide	<a href="https://www.eventbrite.com/e/2018-utc-analytics-conference-tickets-45127560749?utm_source=eb_email&amp;utm_medium=email&amp;utm_campaign=event_reminder&amp;utm_term=event_name">https://www.eventbrite.com/e/2018-utc-analytics-conference-tickets-45127560749?utm_source=eb_email&amp;utm_medium=email&amp;utm_campaign=event_reminder&amp;utm_term=event_name</a>
Internal seminars	UTRC	Internal seminars	Periodic meetings	UTRC, Cork, Ireland	Industry	20	World-wide	

**Scientific publications (This field is only for peer reviewed articles)**

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-reviewed	Is/Will open access provided to this pub

											tion		lica- tion
Con- fer- ence paper	Vid eo Su m ma ri- za- tio n wit h LS TM an d De ep At- ten tio n Mo del s	<a href="https://doi.org/10.1007/978-3-030-05716-9_6">https://doi.org/10.1007/978-3-030-05716-9_6</a>	978 -3- 030 - 057 15- 2 (ISB N)	L. Leb ron Cas as, E. Ko- ble nts	In- ter- na- tio nal Con fer- enc e on Mul tim edia Mo de- ling 201 9	25, 11/1 2/18	Sprin ger, Cham	Lec- ture Not es in Com pute r Sci- ence (LN CS, vol- ume 112 96)	20 18	67- 79		yes	yes
<b>PLAN NED</b> jour- nal paper	Vid eo Su m ma ri- za- tio n wit h LS TM an d De ep At- ten tio n Mo del s			L. Leb ron Cas as, E. Ko- ble nts					20 19			yes	yes

\*Publications accessible via OpenAIRE will be displayed automatically. Beneficiaries will only need to check if the publications are linked to the project.

\*\* In case of publications not registered via OpenAIRE, the beneficiary encodes the Digital Object Identifier (DOI) and all the rest of information is completed automatically.

Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

Scientific Community (Higher Education, Research)	500
Industry	600
Civil Society	
General Public	100
Policy Makers	
Media	50
Investors	
Customers	200
Other	



Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	AGNITIO	ISS World Europe 2017	13-15 June 2017	Prague, Czech Republic	Law enforcement, Homeland security		international	
Workshop	AGNITIO	Odyssey 2018	26-28 June 2018	Les Sables d'Olonne, France				
Conference	AGNITIO	ISS Prague	06/06/2018	Prague, Czech Republic	Industrial	100+	International	<a href="https://www.issworldtraining.com/">https://www.issworldtraining.com/</a>
Conference	AGNITIO	MMM19	January 2019	Thessaloniki, Greece	Scientific, Industrial	100+	International	<a href="http://mmm2019.iti.gr/">http://mmm2019.iti.gr/</a>

Scientific publications (This field is only for peer reviewed articles)

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Rel-avant pages	Public & private partici	Peer-reviewed	Is/Will open access provided to this
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Lec- ture Note s in Com pute r Sci- ence book se- ries (LNC S)	In- ter- na- tion al Con- fer- ence on Mul- tim edi a Mo- de- ling	<a href="https://doi.org/10.1007/978-3-030-05710-7_58">https://doi.org/10.1007/978-3-030-05710-7_58</a>	Onli- ne ISB N: 978- 3- 030- 0571 0-7	Je- sús Jo- rrín and Luis Bue- ra	In- ter- na- tion al Con- fer- ence on Mul- tim edi a Mo- de- ling	Vol 112 95	Spring er, Cham	In- ter- na- tion al Con- fer- ence on Mul- tim edi a Mo- de- ling	20 18	70 4- 71 5	pri- va- te	Yes	No

\*Publications accessible via OpenAIRE will be displayed automatically. Beneficiaries will only need to check if the publications are linked to the project.

\*\* In case of publications not registered via OpenAIRE, the beneficiary encodes the Digital Object Identifier (DOI) and all the rest of information is completed automatically.

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

<b>Scientific Community (Higher Education, Research)</b>	Around 30 people for MMM19
<b>Industry</b>	50 for ISS19
<b>Civil Society</b>	
<b>General Public</b>	
<b>Policy Makers</b>	
<b>Media</b>	
<b>Investors</b>	
<b>Customers</b>	50 for ISS19
<b>Other</b>	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	AIT	6th EDA Workshop on Technology Watch	27. Nov. 2018	Brussels	Defence	Ca 20	All EU Countries	
Conference	AIT	EC SO SWG6.5 Meeting	25th January 2019,	Brussels	Cyber Defence Industry	Ca 20	All EU Countries	
Conference	AIT	8TH CYBER R&T AHWG MEETING	7 FEB 19	Brussels	Defence	Ca 25	All EU Countries	
Conference	AIT	AI Summit 2018	22.Feb.2018	Vienna	AI Industry	Ca. 120	Global	<a href="http://aisummit.at/wp-content/uploads/2018/01/Programm_AIINSIDESUMMIT-3.pdf">http://aisummit.at/wp-content/uploads/2018/01/Programm_AIINSIDESUMMIT-3.pdf</a>
Conference	AIT	NATO SFA-Workshop	5.Nov.2018	Budapest	Defence	100	All NATO Countries	<a href="https://www.act.nato.int/futures-work">https://www.act.nato.int/futures-work</a>
Conference	AIT	IKT Sicherheitskonferenz	1.10.2018	Albach	Defence	100	EU	<a href="https://seminar.bundesheer.at/pdfs/ProgKonferenz.pdf">https://seminar.bundesheer.at/pdfs/ProgKonferenz.pdf</a>
Conference	AIT	D-A-CH Expertentreffen Technologievo-raus-schau	26.9.2018	Thun	Defence	20	DACH	
Conference	AIT	NATO SFA-Workshop	24. April 2018	Cadiz	Defence	100	All NATO Countries	<a href="https://www.act.nato.int/futures-work">https://www.act.nato.int/futures-work</a>
Conference	AIT	DATA DRIVEN	13/11/18	Vienna, Austria	Industry and Public	100	Global	<a href="https://www.european-big-data-value-forum.eu/">https://www.european-big-data-value-forum.eu/</a>

		ARTIFICIAL INTELLIGENCE FOR THE FUTURE-EB-DVF18			services			
Conference	AIT	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium	Security	80	All EU Countries	<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>

Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

<b>Scientific Community (Higher Education, Research)</b>	200
<b>Industry</b>	100
<b>Civil Society</b>	
<b>General Public</b>	
<b>Policy Makers</b>	10
<b>Media</b>	
<b>Investors</b>	2
<b>Customers</b>	10
<b>Other</b>	5



## Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Workshop	TRILATERAL RESEARCH	Knowledge sharing workshop on privacy impact assessment	25 July 2017	London, UK				
Conference	TRILATERAL RESEARCH	18th Annual Conference of the European Society of Criminology: Crimes Against Humans and Crimes Against Humanity, Implications for Modern Criminology	29-08/02-09 2018	Sarajevo, Bosnia				<a href="https://www.eurocrim2018.com/">https://www.eurocrim2018.com/</a>

## Description of other dissemination activities (press releases, news, nonscientific publications, etc.):

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Post on twitter	TRILATERAL	The new <a href="#">#Dante</a> project begins today -	01/09/2016	TRILATERAL twitter profile				<a href="https://twitter.com/Trilateral_UK/status/771256347060899840">https://twitter.com/Trilateral_UK/status/771256347060899840</a>

	RE-SEAR CH	Detecting & Analysing terrorist-related online contents & financing activities <a href="#">#terrorism</a> <a href="#">#criminology</a>						
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	The #Dante project utilises a multi-disciplinary and collaborative approach to improve #Intelligence processes in countering #terrorism	01/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/771271428540727296">https://twitter.com/Tri-lateral_UK/status/771271428540727296</a>
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	The #Dante project incorporates disciplinary approaches from #Criminology counter-terrorism, #social, #legal and #ethicalstudies #terrorism	01/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/771286528869797888">https://twitter.com/Tri-lateral_UK/status/771286528869797888</a>
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	The #Dante project will foster cooperation and	01/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/771331848190300161">https://twitter.com/Tri-lateral_UK/status/771331848190300161</a>

		collaboration within and among Law Enforcement Agencies. #lawenforcementagencies #terrorism						
Post on twitter	TRI-LAT-ERAL RE-SEARCH	The #Dante project seeks to identify #behavioural patterns in people and organizations with #terroristic intent #terrorism #social #ethical	01/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/771346921159991297">https://twitter.com/Tri-lateral_UK/status/771346921159991297</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	The #Dante project emphasises #collaboration with a multi-disciplinary consortium of 18 partners from 10 countries #terrorism #Criminology	01/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/771362044863926276">https://twitter.com/Tri-lateral_UK/status/771362044863926276</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	TRIs Maurice Said is attending the DANTE kick-off	25/09/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/780298835490926592">https://twitter.com/Tri-lateral_UK/status/780298835490926592</a>

		meeting in Rome on Detecting #terrorist related online contents <a href="http://trilateralresearch.com/about-us/projects/">http://trilateralresearch.com/about-us/projects/</a> ...						
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Trilateral's Crisis Team are engaged in the analysis & drafting of #Ethical requirements for the DANTE project <a href="http://trilateralresearch.com/about-us/projects/">http://trilateralresearch.com/about-us/projects/</a> ...	06/11/2016	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/TrilateralUK/status/795264479319785477">https://twitter.com/TrilateralUK/status/795264479319785477</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Trilateral are completing their first deliverable on the DANTE project - visit the project website to find out more <a href="http://www.h2020-dante.eu/">http://www.h2020-dante.eu/</a>	18/01/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/TrilateralUK/status/821711244700721152">https://twitter.com/TrilateralUK/status/821711244700721152</a>
Post on twitter	TRI-LAT-ERAL	Tri's @hw88 and Maurice Said are	09/05/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/TrilateralUK/status/861935038086217729">https://twitter.com/TrilateralUK/status/861935038086217729</a>



	RE-SEAR CH	heading up to Thessaloniki, Greece for the DANTE's 4th General Assembly						
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	Over 35 representatives from 18 partner organisations spanning 10 countries are attending the 4th DANTE General Assembly in Thessaloniki	10/05/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/862215637296336896">https://twitter.com/Tri-lateral UK/status/862215637296336896</a>
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	Tri at the 4th General Assembly of the DANTE project <a href="http://www.h2020-dante.eu/">http://www.h2020-dante.eu/</a> - exploring big #datamining solutions to #security issues	11/05/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/862659810080169985">https://twitter.com/Tri-lateral UK/status/862659810080169985</a>
Post on twitter	TRI-LAT-ERAL RE-SEAR CH	Tri will be presenting guidelines for #ethical research as part of their contribution to the 4th DANTE general assembly	12/05/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/862940419608522752">https://twitter.com/Tri-lateral UK/status/862940419608522752</a>

Post on twitter	TRI-LAT-ERAL RE-SEARCH	@jmu-raszkie-wicz is going to work on our DANTE project on Detecting and analysing terrorist-related online contents and financing activities	18/07/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/887295900359458821">https://twitter.com/Tri-lateral UK/status/887295900359458821</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	TRIs @hw88 is attending the 5th General Assembly for the DANTE project on #radicalisation #propaganda #terrorism	19/09/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/910065937314746374">https://twitter.com/Tri-lateral UK/status/910065937314746374</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Day 2 of the DANTE meeting - exploring use cases. #radicalization #terrorism #H2020	20/09/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/910417069786718208">https://twitter.com/Tri-lateral UK/status/910417069786718208</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	A day of research <a href="#">#ethics</a> for <a href="#">@hw88</a> on the DANTE project - <a href="http://www.h2020-dante.eu">http://www.h2020-dante.eu</a>	26/09/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/912640398052478976">https://twitter.com/Tri-lateral UK/status/912640398052478976</a>

		<a href="#">#terrorism</a> <a href="#">#radicalisation</a>						
News on newsletter	TRI-LAT-ERAL RE-SEARCH	Ensuring an ethical approach to detecting terrorist-related online content and financing activities	November 2017	TRI-LAT-ERAL RE-SEARCH newsletter				
News on newsletter	TRI-LAT-ERAL RE-SEARCH	The DANTE project aims to deliver more effective, efficient, automated data mining and analytics solutions and an integrated system to detect, retrieve, collect and analyse huge amounts of heterogeneous and complex multimedia and multi-language terrorist-related contents, from both the Surface and the Deep Web, including Dark nets	November 2017	TRI-LAT-ERAL RE-SEARCH newsletter				

Post on twitter	TRI-LAT-ERAL RE-SEARCH	In our blog, we outline key ethical considerations in the development of #innovative #technological solutions to detect #terrorist-related activities. #DataAnalytics for a better #intelligence against #terrorism @h2020_Dante_eu Read more here: <a href="https://goo.gl/r1YmU6">https://goo.gl/r1YmU6</a>	07/12/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/938794479217184768">https://twitter.com/Tri-lateral UK/status/938794479217184768</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	We work with our partners to develop #technological solutions to detect #terrorist-related activities. Read early ethical considerations in applying #dataanalytics to develop	19/12/2017	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/943147663582568449">https://twitter.com/Tri-lateral UK/status/943147663582568449</a>

		#intelligence against #terrorism @h2020_ Dante_eu #ethics <a href="http://go.gl/r1YmU6">http://go.gl/r1YmU6</a>						
Post on twitter	TRI- LAT- ERAL RE- SEAR CH	Is combating the spread of #extremist #propaganda also a question of corporate responsibility? @h2020_ Dante_eu we are collaborating with other partners to disrupt #radicalisation and propaganda on the #web. @guardi- antech Read more: <a href="https://go.gl/w8iAeM">https://go.gl/w8iAeM</a> <a href="https://go.gl/C3CEXw">https://go.gl/C3CEXw</a>	11/01 /2018	TRI- LAT- ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/951416901233717253">https://twitter.com/Tri-lateral_UK/status/951416901233717253</a>
Post on twitter	TRI- LAT- ERAL RE- SEAR CH	We work with our partners to develop <a href="#">#technological</a> solutions to detect <a href="#">#terrorist</a> -	06/03 /2018	TRI- LAT- ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/971010508441772032">https://twitter.com/Tri-lateral_UK/status/971010508441772032</a>

		related activities. Read early ethical considerations in applying <a href="#">#DataAnalytics</a> to develop <a href="#">#intelligence</a> against <a href="#">#terrorism</a> @h2020_Dante_eu #ethics <a href="http://go.gl/r1YmU6">http://go.gl/r1YmU6</a>						
Post on twitter	TRI-LAT-ERAL RE-SEARCH	We work with our partners to develop #technological solutions to detect #terrorist-related activities. Read our early ethical considerations in applying #dataanalytics to develop #intelligence against #terrorism @h2020_Dante_eu #ethics <a href="http://go.gl/r1YmU6">http://go.gl/r1YmU6</a>	09/04/2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral_UK/status/983316848258240513">https://twitter.com/Tri-lateral_UK/status/983316848258240513</a>

Post on twitter	TRI-LAT-ERAL RE-SEARCH	We are proud to work with our partners to develop #technological solutions to detect #terrorist-related activities. Read our early ethical considerations in applying #dataanalytics to develop #intelligence against #terrorism @h2020_Dante_eu #ethics <a href="http://go.gl/r1YmU6">http://go.gl/r1YmU6</a>	22/04/2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/986904915258769409">https://twitter.com/Tri-lateral UK/status/986904915258769409</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	We work with our partners to develop #technological solutions to detect #terrorist-related activities. Read our early ethical considerations in applying #dataanalytics to develop #intelligence	22/05 2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/998886943554506752">https://twitter.com/Tri-lateral UK/status/998886943554506752</a>

		against #terror- ism @h2020_ Dante_eu #ethics						
Post on twitter	TRI- LAT- ERAL RE- SEAR CH	How to improve intelli- gence processes in coun- tering #terror- ism? Tri- lateral is collabo- rating with @h2020_ Dante_eu partners to de- velop #techno- logical so- lutions to detect #terror- ist-re- lated ac- tivities. #cyberse- curity Read all about it here <a href="http://go.o.gl/r1YmU6">http://go o.gl/r1Ym U6</a>	05/06 /2018	TRI- LAT- ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/sta-tus/1005042756371275776">https://twitter.com/Tri- lateral UK/sta- tus/1005042756371275 776</a>
Post on twitter	TRI- LAT- ERAL RE- SEAR CH	How to improve intelli- gence processes in coun- tering #terror- ism? Tri- lateral is collabo- rating with @h2020_ Dante_eu partners to de- velop	21/06 /2018	TRI- LAT- ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/sta-tus/1009745996740321280">https://twitter.com/Tri- lateral UK/sta- tus/1009745996740321 280</a>



		#techno-logical solutions to detect #terror-ist-re-lated ac-tivities. #cyberse-curity Read all about it here <a href="http://google.gl/r1YmU6">http://google.gl/r1YmU6</a>						
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Is there an ethical approach to dealing with terrorist-related online activities? Read our early ethical considerations in applying #dataanalytics to develop #intelligence against #terrorism <a href="https://bit.ly/2KAJxCH">https://bit.ly/2KAJxCH</a> #ethics @h2020_Dante_eu	05/07/2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/1014798195422048256">https://twitter.com/Tri-lateral UK/status/1014798195422048256</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Is there an ethical approach to dealing with terrorist-related online activities? Read our early ethical	16/07/2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/Tri-lateral UK/status/1018824315532242944">https://twitter.com/Tri-lateral UK/status/1018824315532242944</a>

		considerations in applying #dataanalytics to develop #intelligence against #terrorism <a href="https://bit.ly/2KAJxCH">https://bit.ly/2KAJxCH</a> #ethics @h2020_Dante_eu						
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Is there an ethical approach to dealing with terrorist-related online activities? Read our early ethical considerations in applying <a href="#">#dataanalytics</a> to develop <a href="#">#intelligence</a> against <a href="#">#terrorism</a> <a href="https://bit.ly/2KAJxCH">https://bit.ly/2KAJxCH</a> <a href="#">#ethics</a> <a href="#">@h2020_Dante_eu</a>	11/09/2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/TrilateralUK/status/1039526229894807552">https://twitter.com/TrilateralUK/status/1039526229894807552</a>
Post on twitter	TRI-LAT-ERAL RE-SEARCH	Powerful talks on <a href="#">#CrimesAgainstHumanity</a> <a href="#">@esc_eurocrim</a> conference in <a href="#">#Sarajevo</a> . We will be	29-08-2018	TRI-LAT-ERAL twitter profile				<a href="https://twitter.com/TrilateralUK/status/1034774415085514752">https://twitter.com/TrilateralUK/status/1034774415085514752</a>

		sharing our work within <a href="#">@h2020</a> <a href="#">Dante eu</a> project <a href="#">#eu-</a> <a href="#">rocrim20</a> <a href="#">18 @Tri-</a> <a href="#">lat-</a> <a href="#">eral UK</a> Read more about the implica- tions for modern <a href="#">#crimi-</a> <a href="#">nology</a> <a href="https://bit.ly/2stpj1H">@Oliv</a> <a href="#">ialannelli</a>						
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Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

<b>Scientific Community (Higher Education, Research)</b>	
<b>Industry</b>	
<b>Civil Society</b>	
<b>General Public</b>	
<b>Policy Makers</b>	
<b>Media</b>	
<b>Investors</b>	
<b>Customers</b>	
<b>Other</b>	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	DEUSTOTECH	Security Research Event 2018	5-6/12/18	Bruxelles, Belgium				<a href="https://www.sre2018.eu/">https://www.sre2018.eu/</a>

**Scientific publications (This field is only for peer reviewed articles)**

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
Journal Paper	Content-based authorship identification for short texts				Neuro-computing		Elsevier	In review	In review			Yes	Yes

\*Publications accessible via OpenAIRE will be displayed automatically. Beneficiaries will only need to check if the publications are linked to the project.

\*\* In case of publications not registered via OpenAIRE, the beneficiary encodes the Digital Object Identifier (DOI) and all the rest of information is completed automatically.

**Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:**

Scientific Community (Higher Education, Research)	5
Industry	
Civil Society	
General Public	
Policy Makers	
Media	
Investors	
Customers	
Other	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Congress	PRAG-SIS	XXXIV Congress of The Spanish Society for Natural Language Processing (SEPLN)	20 <sup>th</sup> September	Seville	Scientific community and the companies specialized in NLP	100-150ppl	Spain, United States, Austria.	<a href="http://www.sepln2018.com">http://www.sepln2018.com</a>

**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Publication in scientific journal (SEPLN)	Marta Romero Hernández	Advanced analytics tool for criminological research of terrorist attacks	September 2018					<a href="http://journal.sepln.org/sepln/ojs/ojs/index.php/pln/article/view/2018-61-27/3400">http://journal.sepln.org/sepln/ojs/ojs/index.php/pln/article/view/2018-61-27/3400</a>
Post on website	PRAG-SIS	Intelligence Analysis: DANTE project	January, 2019	Web	Gral public	150 ppl	Global	<a href="https://pragsis.com/en/2019/01/30/intelligence-analysis-dante-project/">https://pragsis.com/en/2019/01/30/intelligence-analysis-dante-project/</a>
Post on LinkedIn	PRAG-SIS	Intelligence Analysis: DANTE project	February, 2019	LinkedIn	Gral public	1758 ppl	Global	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6498505874535911424">https://www.linkedin.com/feed/update/urn:li:activity:6498505874535911424</a>
Tweet on twitter	PRAG-SIS	Marta Romero presenta la herramienta de análisis	September, 2018	Twitter	Gral public	946 ppl	Global	<a href="https://twitter.com/zoko84/status/1042733976954302464">https://twitter.com/zoko84/status/1042733976954302464</a>

		para la investigación de ataques terroristas en #SEPLN2018 @Bidoop_ES @h2020_Dante_eu							
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**Scientific publications (This field is only for peer reviewed articles)**

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eISSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-reviewed	Is/Will open access provided to this publication
Publication in scientific journal	Advanced analytics tool for criminological research of terrorist attacks	<a href="http://dx.doi.org/10.26342/2018-61-27">http://dx.doi.org/10.26342/2018-61-27</a>	ISSN 1989-7553	Marta Romero Hernández	Procesamiento del Lenguaje Natural	v. 61, p. 181-184, sep. 2018	Sociedad Española para el Procesamiento del Lenguaje Natural	online	2018			accepted	YES <a href="http://journal.sepln.org/sepln/ojs/ojs/index.php/pln/article/view/2018-61-27/3400">http://journal.sepln.org/sepln/ojs/ojs/index.php/pln/article/view/2018-61-27/3400</a>

Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

Scientific Community (Higher Education, Research)	50
Industry	50
Civil Society	
General Public	3704
Policy Makers	
Media	
Investors	
Customers	
Other	

**Description of events attended:**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	KUL	Paper submission in the framework of the EISIC 2017	10 September 2017	Attica, Greece				
Conference	KUL	Next generation community policing conference 2017	October 2017	Heraclion, Greece				
Conference	KUL	Paper submission in the framework of the Computers, privacy and data protection	January 2018	Brussels, Belgium				
Organization of a Workshop	KUL	AS-GARD/ DANTE Workshop: Research and the Dark Web – Ethical, Legal and	27/3 /2018	Belfast-Northern Ireland (Ulster University)	LEAs, Security industry	30	EU MSs	Asgard website

		Privacy Challenges						
Workshop	KUL	1st International Workshop on Research & Innovation for Secure Societies - RISS 2018	15/06/2018	Bucharest-Romania (Polytechnic University)	LEAs, Security industry	50	EU MSs	Red Alert project website ; Victoria project website; <a href="https://www.comms.ro/workshops.html">https://www.comms.ro/workshops.html</a>
Conference	KUL	Octopus Conference on Cybercrime and e-evidence (Council of Europe Task Force on Cybercrime T-CY)	11-13/07/2018	- Strasbourg - France (Council of Europe)	LEAs, policy makers, cybercrime experts	500	CoE Countries and observers	<a href="https://www.coe.int/en/web/cybercrime/octopus-conference">https://www.coe.int/en/web/cybercrime/octopus-conference</a>
Conference	KUL	The cyberspace as a criminal enabler: new challenges and new policing approaches	31/08/2018	University of Sarajevo (EU-ROCRIM Conference 2018)	Academia	1k	Globally	<a href="https://www.eurocrim2018.com/">https://www.eurocrim2018.com/</a>
Conference	KUL	Victims of Cybercrimes: Legal Aspects on Protection and	14-16/10/2018	Jerusalem - Israel (Hebrew University of Jerusalem)	LEAs, academia	20	Globally	<a href="https://csrcl.huji.ac.il/event/1st-annual-conference-human-factor-cybercrime-DayII">https://csrcl.huji.ac.il/event/1st-annual-conference-human-factor-cybercrime-DayII</a>



		Liabilities (Public Policy lessons from DANTE and EU-NITY projects)						
Organization of a Workshop	KUL	organization of the workshop and presentation of DANTE to US Mission to the EU, German Marshall Fund and Center for Democracy & Technology	05/06 /2018 ,	Leuven - Belgium (KU Leuven University)	Academia, policy makers, government officials	20	Belgium, United States	<a href="https://www.law.kuleuven.be/citip/blog/">https://www.law.kuleuven.be/citip/blog/</a>
Oral presentation at Conference	KUL	Freedom and Security' Euro-pol/ERA Conference	22-23/11/18	The Hague (Netherlands)	LEAs, academia, policy makers, govt/officials, security industry	350	EU, globally	<a href="https://www.europol.europa.eu/events/freedom-and-security">https://www.europol.europa.eu/events/freedom-and-security</a>
Conference	KUL	CT2 project organized by CEPOL	12/12/18	Amman (Jordan),	LEAs	25	Jordan, EU	<a href="https://www.cpdpconferences.org">https://www.cpdpconferences.org</a>
Oral presentation at Workshop	KUL	Workshop on Polarization, Radicalization and	10/01/19	Brussels, Belgium	Policy makers	50	EU MSs	<a href="https://www.cpdpconferences.org">https://www.cpdpconferences.org</a>

		Ideology held by the European Commission						
Conference	KUL	CPDP 2019	1/2/2019	Brussels, Belgium	Academia, Policy Makers, Privacy Community	1.5k	Globally	
Conference	KUL	The Legal value of Training Counter-Terrorism Operatives and Analysts	19/02/19	Rome, Italy	Industry researchers, practitioners, end-users, scientific community			
Conference	KUL	Privacy, Ethical and Legal Workshop: Takeaways from the DANTE Experience	20/02/19	Rome, Italy	Industry researchers, practitioners, end-users, scientific community			

**Description of other dissemination activities (press releases, news, nonscientific publications, etc.):**

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Article on website	KUL	Law enforcement and personal data processing in Italy: implementation of the Police Directive and	29/05/2018		Academia, Public	+200	Globally	<a href="https://www.law.kuleuven.be/citip/blog/">https://www.law.kuleuven.be/citip/blog/</a>

		the new data retention law.						
Article on website	KUL	ICANN, WHOIS and the GDPR: three elephants in the cyber room	21/08/2018		Academia, Pubic	+200	Globally	<a href="https://www.law.kuleuven.be/citip/blog/">https://www.law.kuleuven.be/citip/blog/</a>

Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

<b>Scientific Community (Higher Education, Research)</b>	150
<b>Industry</b>	50
<b>Civil Society</b>	100
<b>General Public</b>	0
<b>Policy Makers</b>	100
<b>Media</b>	0
<b>Investors</b>	0
<b>Customers</b>	0
<b>Other</b>	0



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Description of events attended:

Type of activities	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed	Link to the website
Conference	Policia Judiciaria	Vox-pol conference: violent extremism, terrorism and the internet: present and future trends	22 September 2017	Lisbon, Portugal			Europe	

Specify the estimated number of persons reached, in the context of all dissemination and communication activities, in each of the following categories:

Scientific Community (Higher Education, Research)	
Industry	
Civil Society	
General Public	
Policy Makers	
Media	
Investors	
Customers	
Other	

## 8 ANNEX I – Letter of Confidentiality

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### Letter of Confidentiality

I, undersigned, .....

e-mail: .....

agree to the following:

1. I have been informed that DANTE (*Detecting and analysing terrorist-related online contents and financing activities*) is an Innovation Action Project running from 01 September 2016 till 28 February 2019 under the European Union's H2020 Programme, under the Grant Agreement No. 700367. The research Consortium comprises 18 partners listed in the said Grant Agreement, of which the co-ordinator is Engineering Ingegneria Informatica S.p.A. in Rome, Italy, represented by Mr Vito Morreale, e-mail: vito.morreale@eng.it, who might be contacted with regard to any questions regarding the Project.
2. I have been informed about the purposes of the Project and have had all my questions answered to my satisfaction.
3. **Any information that I receive during the project duration, I will treat as confidential and I will not disclose it to anybody without a prior written consent of the Consortium. Such information remains confidential for the period of four years after the conclusion of the Project (i.e. 28 February 2023).**
4. **I will not collect, process, exchange or further use any information related to persons or specific cases that may be released during the project duration.**
5. I understand that the relevant European and national laws shall apply and that in the case of failure to comply, the DANTE Consortium reserves the right to use all appropriate legal means.

Done in two copies in English, of which one is for the DANTE consortium and second for the undersigned.

Done in Milan, on 15/12/2016.

Signature

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