

ASSISTANCE

Adapted situation awareneSS tools and tallored training curricula for increaSing capabiliTie and enhANCing the proteCtion of first respondErs



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Deliverable D9.5

Final Dissemination Report

31/07/2022

¹ PU: Public; PP: Restricted to other programme participants (including the EC services); RE: Restricted to a group specified by the Consortium (including the EC services); CO: Confidential, only for members of the Consortium (including the EC services).

ASSISTANCE

Nowadays different first responder (FR) organizations cooperate together to face large and complex disasters that in some cases can be amplified due to new threats such as climate change in case of natural disasters (e.g. larger and more frequent floods and wild fires, etc.) or the increase of radicalization in case of man-made disasters (e.g. arsonists that burn European forests, terrorist attacks coordinated across multiple European cities).

The impact of large disasters like these could have disastrous consequences for the European Member States and affect social well-being on a global level. Each type of FR organization (e.g. medical emergency services, fire and rescue services, law enforcement teams, civil protection professionals, etc.) that mitigate these kinds of events are exposed to unexpected dangers and new threats that can severely affect their personal safety.

ASSISTANCE proposes a holistic solution that will adapt a well-tested situation awareness (SA) application as the core of a wider SA platform. The new ASSISTANCE platform is capable of offering different configuration modes for providing the tailored information needed by each FR organization while they work together to mitigate the disaster (e.g. real time video and resources location for firefighters, evacuation route status for emergency health services and so on).

With this solution ASSISTANCE will enhance the SA of the responding organisations during their mitigation activities through the integration of new paradigms, tools and technologies (e.g. drones/robots equipped with a range of sensors, robust communications capabilities, etc.) with the main objective of increasing both their protection and their efficiency.

ASSISTANCE will also improve the skills and capabilities of the FRs through the establishment of a European advanced training network that will provide tailored training based on new learning approaches (e.g. virtual, mixed and/or augmented reality) adapted to each type of FR organizational need and the possibility of sharing virtual training environments, exchanging experiences and actuation procedures.

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Executive Summary

The purpose of this document is to summarise all the dissemination and communication activities performed by the ASSISTANCE consortium in the second half of the project duration (from month 19 onwards). It has been prepared by the Sieć Badawcza Łukasiewicz – Przemysłowy Instytut Automatyki i Pomiarów PIAP (ŁUKASIEWICZ-PIAP) basing on the inputs reported by all project partners.

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Change control datasheet

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1.0	Pre-final version	All	31	25/07/22
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Content

Executive Summary	3
List of Authors	4
Change control datasheet	5
Content.....	6
List of Figures.....	7
Acronyms.....	8
1. Introduction.....	9
2. Communication and Dissemination Strategy	9
2.1. ASSISTANCE User Community.....	10
2.2. Communication and Dissemination materials.....	11
3. Communication & dissemination list	11
4. Communication and dissemination activities M19-M39	12
4.1. Online activities	14
4.2. Newsletters.....	14
4.3. Project community at ZENODO platform	16
4.4. Publications	16
4.5. Events organisation/participation.....	17
4.6. Media releases	22
4.7. Videos publication	24
4.8. Horizon Results Booster.....	25
4.9. Liaison with other projects	26
5. Conclusions and outlook.....	29
6. Appendixes.....	30

List of Figures

Figure 1 ASSISTANCE Newsletter2 (first two pages)	15
Figure 2 ASSISTANCE Newsletter3 (first two pages)	16
Figure 3 UAV tests at the 5th DroneTech World Meeting 2020	19
Figure 4 Snapshot from the ASSISTANCE presentation at the CERIS DRS Information Day	19
Figure 5 ETRA stand and presentation of ASSISTANCE during World ATM Congress 2021.....	20
Figure 6 Łukasiewicz-PIAP UGV GCS presented at the workshop on Interoperability for Semi-Autonomous Unmanned Ground Vehicles and ELROB 2022	21
Figure 7 Examples of social media updates related to ASSISTANCE pilot demonstrations	22
Figure 8 ABC Empressa article on drones usage in crisis situations.....	23
Figure 9 Online media releases on ASSISTANCE	24
Figure 10 ASSISTANCE presentation at the NO-FEAR project workshop on training in disaster medicine	28
Figure 11 Snapshots from the INGENIOUS 1st International Workshop	28
Figure 12 Snapshots from the FASTER Role Playing Game meeting.....	28
Figure 13 Info slide accompanying the online invitation to the workshop on standardisation activities	29

Acronyms

ASSISTANCE	Adapted situation awareneSS tools and tallored training curricula for increaSing capabiliTie and enhANcing the proteCtion of first respondErs
PC	Project Coordinator
D#.#	Deliverable number #.# (D1.1 deliverable 1 of work package 1)
DoA	Description of Action of the project
EC	European Commission
EU	European Union
FR	First Responder
GA	Grant Agreement
C2	Command and Control
CoU	Community of Users
CEN/CENELEC	European Committee for Electrotechnical Standardization
CERN	Organisation Européenne pour la Recherche Nucléaire
CERIS	Community of European Research and Innovation for Security
CIP	Critical infrastructure protection
DRS	Disaster-resilient society
GCS	Ground Control Station
FP7	Seventh Framework Programme
H2020	Horizon 2020 Programme for Research and Innovation
HE	Horizon Europe
HRB	Horizon Results Booster
IPR	Intellectual Property Rights
M#	#th month of the project (M1=May 2017)
WP	Work Package
PSC	Project Steering Committee
PIC	Project Implementation Committee
PSB	Project Security Board
AB	Advisory Board
SAP	Situational Awareness Platform
TL	Task Leader
WPL	Work Package Leader
CMS	Content Management System
UAV	Unmanned Aerial Vehicle
UGV	Unmanned Ground Vehicle
VR	Virtual Reality
OCU	Operator Control Unit
US/USA	United States of America

1. Introduction

The dissemination and communication activities in ASSISTANCE project are executed under the WP9 Exploitation and dissemination within the Task 9.2 Dissemination and Communication of Project Results, which role is to update and implement the dissemination plan for communicating and promoting the project and its findings. Deliverable D9.5 is aimed at summarising all the dissemination and communication activities performed by the ASSISTANCE consortium throughout the second half of the project duration (from month 19 onwards). The deliverable is closely related to deliverable D9.2 Updated Exploitation and Dissemination plan (submitted in M12) and deliverable D9.3 Mid-term dissemination report (submitted in M18).

2. Communication and Dissemination Strategy

ASSISTANCE communication and dissemination strategy has been described in details in deliverables 9.2 and D9.3. It was developed at the beginning of the project with an aim to maximise its expected impacts, with a special focus on the ones related to creation of new knowledge, methodologies and technological advancements as well as provision of best practices and policy recommendations which encompass consideration of societal and ethical implications of project results.

In order to meet these goals the communication and dissemination efforts have been structured around the key objectives and the target groups in the wider community who must be influenced to achieve those objectives:

- **End-users** – various First Responders organisations, ie. Medical Emergency services, Firefighters, Law Enforcement Agencies, Civil Protection, etc;
- **Stakeholders groups in security domain** – local authorities & national/regional public bodies, public security agencies, private security companies, policy makers, legislative framework creation bodies and standardisation bodies;
- **Scientific/technological professional community** – wider community of experts in the related fields, researchers and engineers working on relevant R&D domains including other security research projects;
- **European society/general public.**

Project results were disseminated through different channels among various audiences in order to raise the awareness of the project related issues, in particular its assumptions, progress and achieved results.

According to the needs and interests of the different target groups and stakeholders different communication and dissemination tools were used in ASSISTANCE:

- **building the ASSISTANCE User Community** via large representation of the end-users organisations in the project, implementation of Task 1.3 End Users Group Coordination coordinated by AAHD as well as engagement of different project partners in external initiatives,
- **using consistent visual identity for the project communication channels and advertising materials** (leaflets, posters/roll-ups, newsletters, presentations),
- **keeping up to date project public website and social media accounts**,
- **annual publication of the project newsletter**,
- **release of various video materials** (project dissemination movie, videos prepared by partners for the review meeting, videos from the project pilots),
- **creation of the project community on ZENODO platform** with the collection of project dissemination materials (public deliverables, research papers, presentations etc.)
- organisation of/participation in **congresses, workshops, symposia, conferences and exhibition fairs**,
- **research papers (including Open Access publications)**,
- **development of training material**,
- **participation in Module A and C of the Horizon Results Booster service**,
- **dialogue with policy makers, stakeholders, citizen's associations** (engagement of different project partners in external initiatives, such as e.g. Community of Users (CoU), EUROCAE WG-105 on Unmanned Aircraft Systems, etc.),
- **liaison and clustering with other security/H2020-DRS-02 projects** (via partners participation in other projects and joint initiatives, such as Workshop on standardisation, cross-exchange of presentations in various project events or participation in Module B of Horizon Results Booster service),
- **media-related actions (press releases, interviews)** when appropriate.

Summary of activities implementing the communication and dissemination strategy undertaken by the ASSISTANCE consortium in the second half of the project execution is included in the next sub-chapters.

2.1. ASSISTANCE User Community

ASSISTANCE efforts to maintain a broad dialogue with end-users were strongly fostered by large representation of the end-users organisations in the project (7 end user partners in the consortium), but also expanded further by implementation of Task 1.3 End Users Group Coordination (led by AAHD) as well as engagement of different project partners in external initiatives, such as e.g. Community of Users (CoU), International Forum to Advance First Responder Innovation (IFAFRI), ISO/TC92 Fire Safety: Subcommittees SC3 Fire threat to people and environment and SC4 Fire Safety

Engineering, etc. Moreover, the end user partners in other H2020 security projects in collaboration with ASSISTANCE were invited and encouraged to join the group. The Letter of Intent for participation in the Group has been published in the project website along with the general invitation directed to interested stakeholders.

The End Users Group included the following organisations:

- Mälardalens Brand- och Räddningsförbund, Sweden
- Södra Älvsborgs Räddningstjänstförbund, Sweden
- Swedish Civil Contingencies Agency
- Turkish LEA
- Izmir Fire Fighter Department, Turkey
- Izmir Tepecik Training and Research Hospital, Turkey
- Izmir Provincial Health Directory, Turkey
- Ankara Provincial Health Directory, Turkey
- Ochotnicza Straż Pożarna w Niemcach, Poland
- Police Academy in Szczytno, Poland

2.2. Communication and Dissemination materials

In order ensure that the project and its results are communicated with a coherent and interesting message and presented in an attractive way for various audiences, a set of dissemination tools and materials has been developed and made available to all partners as well as publicly (online):

- Visual identity
- Webpage and social media channels
- Leaflet, poster and general project presentation
- Dissemination video and other videos documenting the project results
- Annual newsletters

A detailed overview of these materials has been included in deliverables D9.2 and D9.3. All materials have been updated throughout the project whenever needed – e.g. when a project partner organisation has changed its logo or when a new content was developed.

3. Communication & dissemination list

In order to coordinate and plan the various communication and dissemination efforts of different partners a common reporting sheet – Communication & dissemination list – has been used, where the information both on the activities performed and planned, as well as the potential dissemination opportunities (e.g. events of possible importance to ASSISTANCE, that could be performed jointly or by other project partners) were

collected. This Communication & dissemination activities collector sheet was available at the project repository for continuous reporting by partners as well as circulated by the Task 9.2 leader for regular updates every 6 months.

The list covered collection of the following categories of information:

- Partner submitting
- Presentation/publication/activity title/scope
- Archive (if the activity results in a format, which can be archived (e.g. publication in a newspaper) – changed to Zenodo for reporting if the given material has been uploaded to the ASSISTANCE community on ZENODO platform (if applicable)
- Event or medium name
- Type of event/ medium (Internet, Conference/fair/trade show, Workshop/seminar, Professional/scientific journal, F2F meeting, Newspaper/magazine, Interview, Media/social media/public inquiry, Newsletter, Catalogue, TV, Radio, Patent application)
- Location (country, city etc., if applicable)
- Event/ medium territorial scope (Individual, Local, National, International, Global (internet))
- Event/medium/activity target audience (End-users, High level stakeholders, Research/scientific community, General public)
- Date of the event/ publication/ activity
- Status (Planned or performed)
- Event/ medium website or contact data
- Short description of the event/medium character or additional info

A copy of the final list is attached as Appendix 1 to the deliverable. The overview summary of activities reported by ASSISTANCE consortium in the second half of project execution is provided in the next chapter.

4. Communication and dissemination activities

M19-M39

In the period from November 2020 to July 2022 the ASSISTANCE consortium has performed over 130 of different types of communication and dissemination activities that are summarised in Table 1 below. Some activities are described in more details in the next subchapters.

It is important to underline that as the SARS-COV-19 pandemic persisted, majority of the dissemination activities planned by the ASSISTANCE team were affected and a lot of events have been postponed or cancelled, such as e.g. the Security Research Event 2022, where the project was to be presented in a dedicated booth and via live demonstrations of the UGV and SAP.

However, all the project partners devoted efforts to continue the dissemination activities in these new circumstances, refocusing and seeking opportunities in the types of communication and dissemination that does not rely on physical attendance, e.g. online events/activities or preparation of research publications.

Type of activity	Nº	Examples
Papers/articles publication/submission	7	ISCRAM 2021, Safety Science, Applied Sciences, Revista Europea de Derecho de la Navegación Marítima y Aeronáutica, SSRR2021, IHSED 2021
Events (including online) attendance and project/research papers/poster presentations (trade fairs/industry shows conferences etc.)	30	WORLD ATM CONGRESS, Spring Robotic Committee, INGENIADRON 2021, DRONExpo 2022, International Association of Fire Safety Scientists (IAFSS), DroneTech WorldMeeting 2021, SSRR2021 2021 IEEE International Symposium on Safety, Security, and Rescue Robotics, UNVEX 2021, Emergency Nurses Association (AHEMDER) 1st International 6th National Emergency Nursing Congress, R&D Innovation Industry and Technology Fair, Izmir Tinaztepe University 2nd Emergency Health Services Symposium, IHSED 2021, 3rd International Izmir Democracy University Medical Congress (IMCIDU 2021), CERIS events, 5th Symposium on Next Generation Technologies in Emergency Services, ISUDEF'22, International Symposium on Unmanned Systems and the Defence Industry
Internet/social media activities	>80	Tweets, posts or news items (on project website and partners websites/social media accounts)
Workshops organisation/participation	>25	Standardisation Activities Workshop/Webinar for DRS and CIP projects, CERIS events, International Medical Congress, Bakircay Smart University Workshop, JPAL, internal/local workshops
Media/press releases	7	ABC magazine, Generalitat Valenciana webpage, elperiodic.com, Valencia News, Levante-El Mercantil Valenciano
Clustering/liaison with other initiatives	~8	Clustering Webinar on New Technologies for First Responders, NO-FEAR project workshop on training in disaster medicine, INGENIOUS 1st International Workshop on "Tools for the First Responder of the future", FASTER stakeholders meeting scientific and practical Seminar, FASTER Exercises, FASTER Role Playing Game, Horizon Results Booster Module B meetings
Other	2	Master's theses

Table 1 Summary of the communication and dissemination activities M19-M39

4.1. Online activities

Online activities in ASISSTANCE encompass both the updates on the project activities via ASSISTANCE public website and social media feeds as well as actions of the consortium partners via their organisation's online channels – websites, social media, newsletters etc. as shown in Table 1 above there was over 80 various online actions undertaken in the project to disseminate information on its progress, events and results. Table 2 below presents some basic statistics of the ASSISTANCE online channels between M19- M39.

Channel	Visits	Unique visitors
Project website	242 620	67 022
	Number of followers	Number of views
Twitter	136	27003
LinkedIn	241	1 005
YouTube channel	17	1 781

Table 2 Statistics of the ASSISTANCE online channels by M19- M39.

4.2. Newsletters

An annual publication of the project newsletter has been envisaged in the project to present and make the information about the project progress, in particular its results and achievements, widely available.

The second issue of the newsletter (Fig. 1, Appendix 2) has been developed by the Task 9.2 Leader and released in May 2021. It contained the summary of the second year of the project execution, including accomplishments of the milestones and completion of deliverables, as well as update on the ongoing project works, conclusions from the ASSISTANCE second Review Meeting and overview of the dissemination activities performed. Similarly to the first issue, Newsletter2 has been circulated within the consortium to be further distributed via partners' communication channels and it was also [published on the project website](#) with relevant announcements posted in the News section and on project social media accounts and was re-posted and propagated by some partners via their online channels.



Figure 1 ASSISTANCE Newsletter2 (first two pages)

As the project duration has been extended by three months, release of the third issue of the newsletter (Fig. 2, Appendix 3) has been postponed to month 39 (July 2022) in order to cover the summary of all the works performed in the last phase of project execution, especially Pilot 3 demonstration that has been planned to mid-June 2022. The final issue of the ASSISTANCE Newsletter has been again developed by the Task 9.2 Leader and released in mid-July 2022.

It contained the summary of the last (extended) year of the project execution, including accomplishment of the milestones and completion of deliverables as well as overview of all ASSISTANCE pilot demonstrations and main dissemination activities performed. Newsletter3 has also been circulated within the consortium and it [published on the project website](#) with relevant announcements posted in the News section and on project social media accounts.



Figure 2 ASSISTANCE Newsletter3 (first two pages)

4.3. Project community at Zenodo platform

As part of the activities to ensure open access of publications and data resulting from the project, ETRA has created a [Zenodo community](#), where all the project dissemination materials were subsequently uploaded (public deliverables, conference papers, posters, journal articles, magazine articles, brochures, etc.).

Zenodo is a general-purpose open-access repository developed under the European OpenAIRE program and operated by CERN. It allows researchers to deposit research papers, data sets, research software, reports, and any other research related digital artifacts. The OpenAIRE project, in the vanguard of the open access and open data movements in Europe was commissioned by the EC to support their nascent Open Data policy by providing a catch-all repository for EC funded research.

4.4. Publications

As the project research activities progressed and the COVID-19 pandemic affected many of stationary dissemination activities, ASSISTANCE partners have increased efforts to produce publishable materials that could be disseminated via tools available in an online format, including research papers that have been submitted to conferences or journals (including Open Access):

- Latosinski F., Cuesta A., Alvear D., **Assessing self-preservation capabilities in toddlers during evacuations**, in: Safety Science (Volume 132, December 2020, 104983)
- Mioch T., Sterkenburg R., Beuker T., Neerincx M.A., **Actionable Situation Awareness: Supporting Team Decisions in Hazardous Situations**, in: Proceedings of the 18th ISCRAM Conference—Blacksburg, VA, USA, May2021, 62-70
- Janik P., Zawistowski M., Fellner R., Zawistowski G. **Unmanned Aircraft Systems Risk Assessment Based on SORA for First Responders and Disaster Management**, in Applied Sciences (Appl. Sci. 2021, 11(12), 5364)
- Zawistowski M., Fellner R., Sadowski P., **Airspace and Possible Usage of New Technologies during Mitigation of Large Disaster on the Example of the Assistance Project. Overview.**, in: Revista Europea de Derecho de la Navegación Marítima y Aeronáutica: XXXVII pp. 114-128 (NUEVA SERIE, VI)
- F. González, R. Caballero, F. J. Pérez-Grau and A. Viguria, **Vision-based UAV Detection for Air-to-Air Neutralization**, 2021 IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR), 2021, pp. 236-241
- Mioch T., Beuker T., Neerincx M.A., **Team Design Patterns for Participatory Development of First Response Human-Agent Teaming**, in: Proceedings of the 4th International Conference on Human Systems Engineering and Design (IHSED2021): Future Trends and Applications, September 23–25, 2021
- Cuesta A., Alvear D., Carnevale A., Amon F., **Gender and public perception of disasters: A multiple hazards exploratory study of EU citizens**, submitted to journal Safety in July 2022, accepted for publication

All these publications are (or will be, once they are published) available via the [ASSISTANCE project website](#) and in the ASSISTANCE community on ZENODO platform.

4.5. Events organisation/participation

One of the methods for targeted dissemination undertaken by the ASSISTANCE partners is participation and/or organisation of various events – congresses, workshops, symposia, conferences and exhibition fairs. These activities were unfortunately heavily biased by the SARS-COV-19 outbreak, but some initiatives have still been performed either in an online or hybrid format. While the general summary is presented in the Table 1 above, some notable examples which can be illustrated with images are given below.

On 6-7 November 2020 CNBOP-PIB has co-organised the 5th DroneTech World Meeting (Fig. 3) – the largest event in Poland devoted to drones, autonomous and unmanned vehicles, cosmonautics, artificial intelligence and all new technologies related to the

D9.5 Final Dissemination Report

development of a smart metropolis of the 21st century. The 5th edition was organised in a mainly online format and encompassed three blocks of activities:

- a scientific and business conference allowing to get to know the perspective of unmanned vehicles and systems from the perspective of various environments and organizations, from a technical, legal and social perspective,
- B2B networking activities via one online platform with the opportunity to meet representatives of companies, institutions, organizations creating, developing or seeking new technologies,
- UAV tests carried out imitating real crisis situations in various terrain conditions in cooperation with first responders and suppliers of various unmanned aerial vehicles and software.

In relation to ASSISTANCE dissemination CNBOP-PIB has presented a paper at the conference on possible usage of new technologies during search & rescue operation, which was later published in [Revista europea de derecho de la navegación marítima y aeronáutica journal](#).

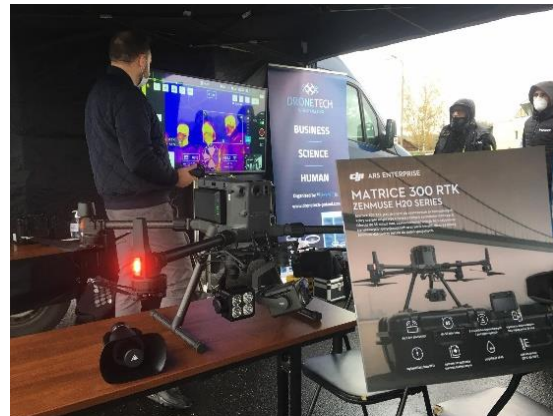




Figure 3 UAV tests at the 5th DroneTech World Meeting 2020

Also, the Community of European Research and Innovation for Security (CERIS, former Community of Users) meetings/workshops were performed online and ASSISTANCE results were presented by UPVLC at the forum several times, e.g. during the 2nd CERIS-DRS workshop focusing on technologies for first responders (DRS02 projects) in February 2021 or at the DRS Information Day – State of Play and Way Forward, in June 2021 (Fig. 4).

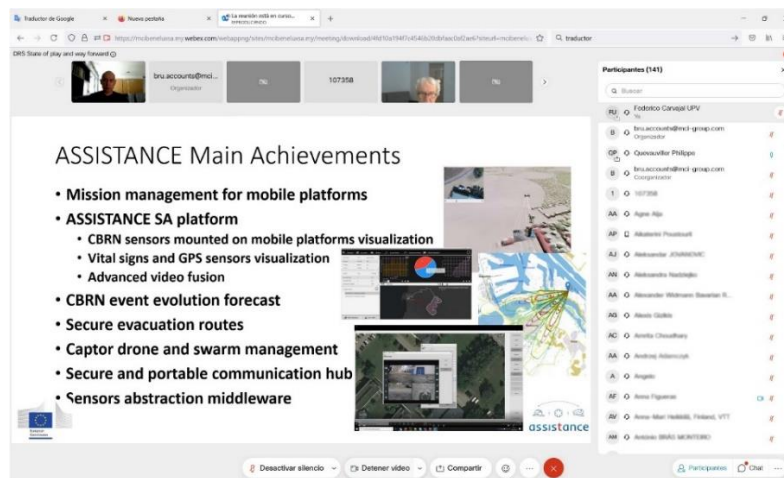


Figure 4 Snapshot from the ASSISTANCE presentation at the CERIS DRS Information Day

Even though many events have been cancelled, postponed or transformed online, there were still some that took place in a traditional, physical form.

At the end of October 2021 ETRA had a stand in the Expodrónica Pavilion during World ATM Congress 2021 in Madrid and presented ASSISTANCE to the large audience of the event (Fig. 5). World ATM Congress is the world's largest international air traffic management (ATM) exhibition and conference, bringing together the world's leading product developers, experts, stakeholders and air navigation service providers (ANSPs) and providing three days of conference sessions, product demonstrations and launches, contract closures and educational and networking opportunities.

Organised by Civil Air Navigation Services Organisation (CANSO) in partnership with the Air Traffic Control Association (ATCA) the event that has attracted over 6,000 registrants in 2021.



Figure 5 ETRA stand and presentation of ASSISTANCE during World ATM Congress 2021

In the Spring of 2022 Łukasiewicz-PIAP participated in two events focused on dissemination of its Key Exploitable Result from ASSISTANCE – the Robots Management Module (detailed description included in deliverable D9.6) and related to the membership in the NATO group »IST-179 Interoperability for Semi-Autonomous Unmanned Ground Vehicles«.

In April 2022 a workshop was hosted at the Fraunhofer-Institut für Kommunikation, Informationsverarbeitung und Ergonomie FKIE in Germany focused on standards to facilitate interoperability between UGVs and their C2 systems. The workshop covered various UGV interoperability tests, carried out in preparation for the joint experiment at the European Land Robot Trial (ELROB) 2022 – Europe's longest-running field robotics and unmanned systems event, that was held between 30 May - 3 June 2022 in Eggendorf, Austria.

12 participants from five different nations have attended the workshop, using three different robots and three different controllers for the robots. In addition to the physical test, the US participants connected through the internet and successfully controlled the robots from the USA. Tests included data sharing and control from multiple robots available on one OCU (Operator Control Unit) and many operators sharing resources of the same platform(s).

Joint experiment was conducted during the ELROB 2022 event to verify that systems can communicate through the implemented standards. Each participating nation implemented the agreed subset of standards on their UGV and C2 system and the interoperability between the systems was validated through the experiment.

Information about the ASSISTANCE project and its results has been disseminated among the participants of both events and Łukasiewicz - PIAP UGV Ground Control Station (GCS) developed in the project was proved in operation with many assets.



Figure 6 Łukasiewicz-PIAP UGV GCS presented at the workshop on Interoperability for Semi-Autonomous Unmanned Ground Vehicles and ELROB 2022

The best occasion to disseminate project results were undoubtedly the ASSISTANCE pilots demonstrations, performed in the period from January to June 2022. Detailed descriptions of the events are included in deliverables D7.3, D7.4 and D7.5.

Intensive web-based communication and dissemination actions have been devoted to promote the events both by the task T9.2 leader and other partners, with numerous posts on social media channels and updates in the News section of the project website – including the announcements before and photo/video reports during and after each event (Fig. 7).

D9.5 Final Dissemination Report

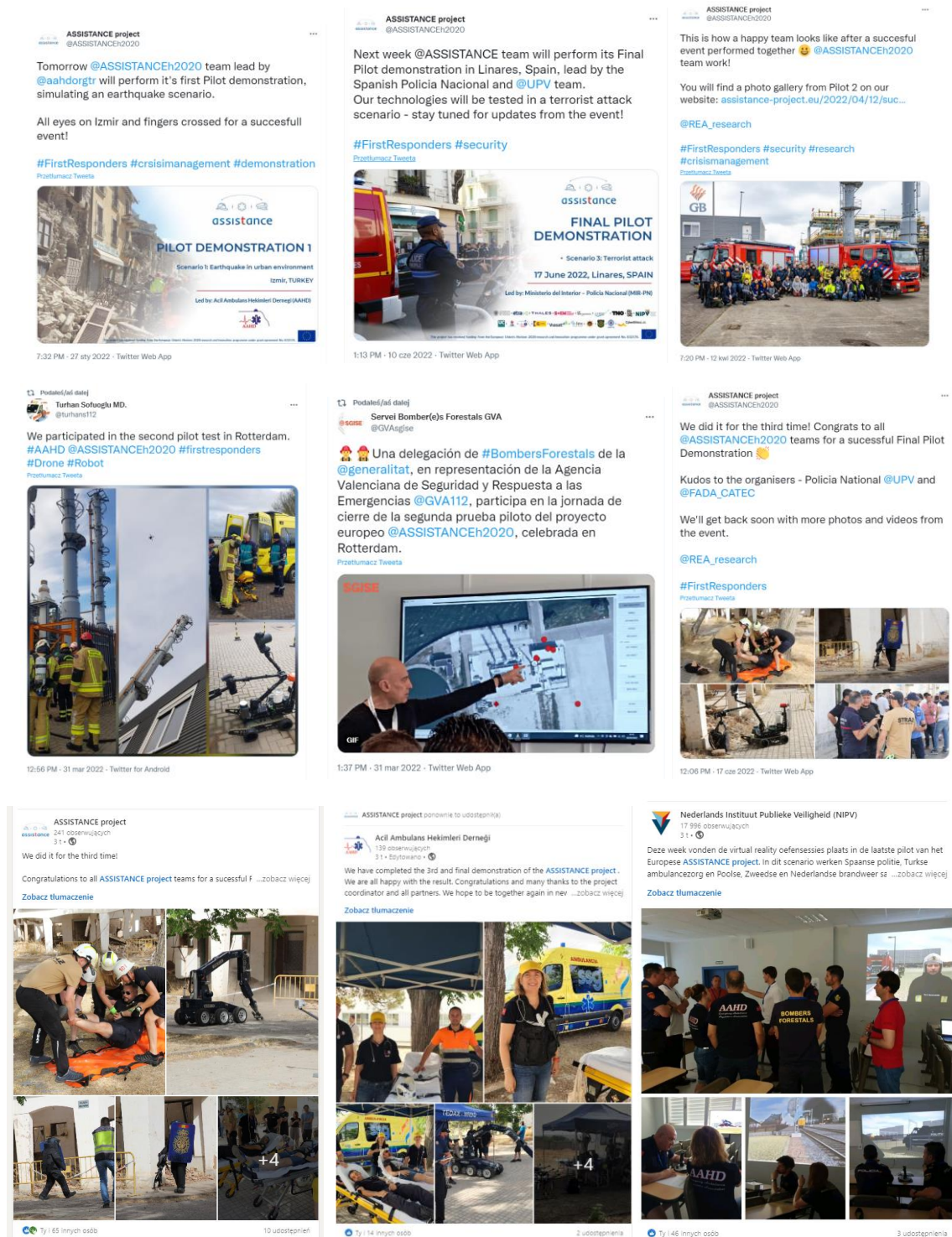


Figure 7 Examples of social media updates related to ASSISTANCE pilot demonstrations

4.6. Media releases

Several media releases were published during the second half of the project execution, including printed magazines and online services.

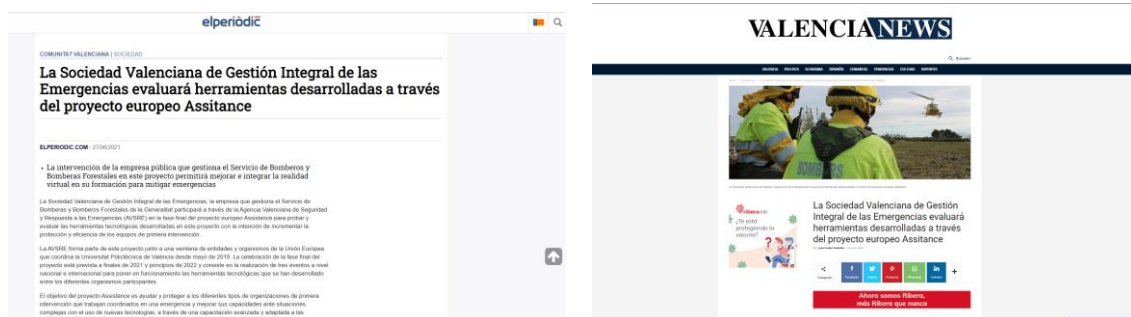
In October 2021, the project has been mentioned in a Spanish weekly ABC Empressa in an article on drones usage in crisis situations. The article presented an overview of the

Spanish entrepreneurial ecosystem that provides the innovative solutions and covered comments from the Director of the Avionics & Systems Division of FADA-CATEC. The original release can be found in 3rd October issue of the magazine (p. 8-9) and the PDF version of the article was made available via the project website.



Figure 8 ABC Empresa article on drones usage in crisis situations

In June 2021 several publications have appeared in Spanish online sources: elperiodic.com, Valencia News, Levante-El Mercantil Valenciano, announcing participation of the Valencian Society of Integral Management of Emergencies through the Valencian Agency of Security and Response to the Emergencias (AVSRE) in the final phase of ASSISTANCE to evaluate the technological tools developed in the project.



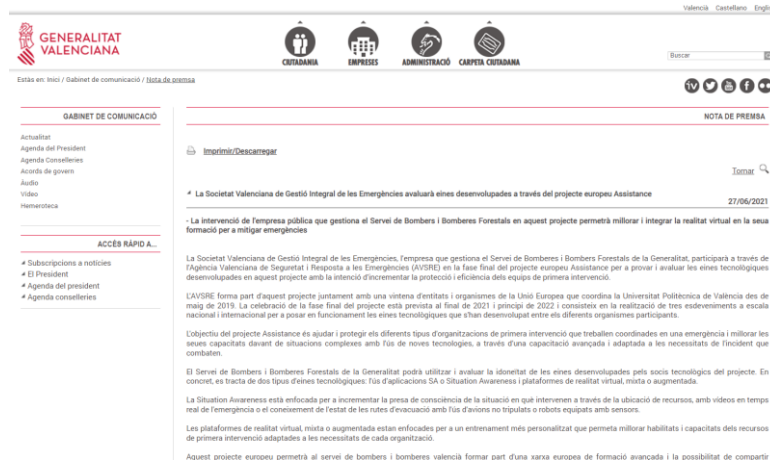


Figure 9 Online media releases on ASSISTANCE

4.7. Videos publication

In order to enhance the online dissemination activities all the videos prepared for the second Review Meeting (in March 2021) by all the partners responsible for core activities and developments, illustrating the work in progress and achieved have been published via the ASSISTANCE YouTube channel.

The videos show different components of the ASSISTANCE system:

- [ASSISTANCE Situational Awareness Platform \(SAP\)](#) and its [mobile version](#) by UPV
- [Mission Management Module](#) by VIASAT
- [UAV with a gas sensor integrated into the system](#) by FADA-CATEC
- [UGV executing autonomous mission](#) by Łukasiewicz-PIAP
- [Augmented Video Fusion](#) by UPV
- [Chemical Hazard Tool](#) by TNO
- [Evacuation Management Suite](#) by UC

and the VR training platforms being part of the ASSISTANCE training network:

- [UPV VR training platform](#)
- [ADMS Virtual Reality by IFV](#)

Additionally, videos documenting the project pilot demonstrations have been prepared by the partners responsible for the pilots organisation and published by the task T9.2 Leader on the YouTube channel of the project and disseminated via other ASSISTANCE online channels (webpage, social media):

- [ASSISTANCE Project Pilot 1 – Earthquake in urban environment scenario – Izmir, Jan 2022](#) (AAHD)
- [ASSISTANCE Project Pilot 2 – Industrial accident scenario – Rotterdam, March-April 2022](#) (GB)

- [ASSISTANCE Project Pilot 3 - Terrorist attack scenario - Linares, June 2022](#)
(CATEC/UPV)

4.8. Horizon Results Booster

Following the suggestion of the ASSISTANCE Project Officer given at the Review Meeting in March 2021, ASSISTANCE has applied for services of the [Horizon Results Booster](#) (HRB).

Horizon Results Booster is the initiative by the European Commission which aims to maximise the impact of research projects funded by FP7, H2020 and HE. HRB services are delivered to eligible projects (closed and ongoing) free of charge and provide beneficiaries with tools and methodologies for improved communication, dissemination, exploitation and business strategies. Service delivery is performed remotely and virtually and can cover three areas of effective promotion and use of the project results:

- Service 1 Portfolio Dissemination & Exploitation Strategy – to develop a portfolio of results and design an effective dissemination and exploitation strategy
 - Module A - Module A: Identifying and creating the portfolio of R&I project results (for individual projects or project groups)
 - Module B: Helping projects from the portfolio to design and execute a portfolio dissemination (for project groups)
 - Module C: Assisting projects to improve their existing exploitation strategy (for individual projects)
- Service 2 Business Plan Development – to develop an effective business plan
- Service 3 Go To Market – to get the research ready for commercialisation

In the period from April to August 2021 partners responsible for dissemination and exploitation activities (ETRA for T9.1 and Łukasiewicz-PIAP for T9.2) in cooperation with the project coordinator represented the project during the application for Module A and Module C and in meetings/discussions with the HRB team.

Module A (focused on dissemination) has been performed between April and July 2021. After providing the HRB with details on the project's expected results (particularly the Key Exploitable Results), communication and dissemination strategies as well as stakeholder analysis (Pre-assessment questionnaire for individual project and Pre-assessment questionnaire for PG Leader), ASSISTANCE was grouped with other DRS-02 cluster projects and several meetings/discussions with the HRB representatives were held. As the service completed in July 2021, the HRB team has produced the deliverable ("Portfolio of Research and Innovation Results"), which identified the collective results of the project group to be disseminated, their characteristics and the target stakeholders

that can benefit from these results and are ultimately the target audience for the project group dissemination activities.

As a follow-up of these activities, in February 2022 ASSISTANCE with the group of other security projects (MED1stMR, RESCUER, FASTER, INTREPID, INGENIOUS, RESPOND-A, PathoCERT, SIXTHSENSE) has been invited to participate in Module B of the service.

After some initial discussions, the group has been divided into two smaller groups focused around specific themes, in order to facilitate a more targeted and adequate service provision:

- Group 1: END USER/TARGET GROUP - First Responders (those who go into the field): MED1stMR, RESCUER, SIXTHSENSE
- Group 2: END USER/TARGET GROUP - Crisis Management Personnel & General Situational Awareness: FASTER, INTREPID, INGENIOUS, ASSISTANCE, RESPOND-A, PATHOCERT

Group 2 is lead by INGENIOUS project and the Module B related activities (discussions, projects information collection etc.) are currently in progress.

Though the HRB Module B service will go beyond the completion of ASSISTANCE project, Łukasiewicz-PIAP will stay involved and support the activities within the available resources, to disseminate the project results as widely as possible.

4.9. Liaison with other projects

ASSISTANCE partners have a strong focus on liaison with related research initiatives, in particular other H2020 projects. A [dedicated subpage](#) of the project webpage has been devoted to the projects that are in continuous collaboration with ASSISTANCE towards exchange of the experiences and numerous different activities were undertaken to facilitate the knowledge sharing and joint dissemination efforts.

In the course of these activities ASSISTANCE was presented along its sibling projects of the H2020-DRS-02 topic at the [Clustering Webinar on New Technologies for First Responders](#) organised by the Public Safety Communications Europe Forum (PSCE). The webinar was held on 3 December 2020 and its objective was to allow the projects to get to know other project better and to discuss on the topic of end-user requirements (process used/challenges encountered/preliminary findings).

7 H2020-DRS-02 projects were presented: Search&Rescue, CURSOR, ASSISTANCE, RespondDrone, SIXTHSENSE, RESPOND-A and INGENIOUS and around 120 partners from the involved consortia have registered to the event.

The goal of the clustering activities was to foster the collaboration among the projects to find synergies and exchange experiences, which would ultimately result in producing

a White Paper on the topic. ASSISTANCE was presented by UPVLC and attended by many partners. The webinar was a closed event but its results are publicly available, recording of the event can be found at: <https://youtu.be/L9UkLgUUp8>

In general, throughout the whole duration ASSISTANCE has established close links with the following projects:

- **INGENIOUS**: The First Responder (FR) of the Future: a Next Generation Integrated Toolkit (NGIT) for Collaborative Response, increasing protection and augmenting operational capacity
- **DRIVER+**: Driving Innovation in Crisis Management for European Resilience
- **FASTER**: First responder Advanced technologies for Safe and efficient Emergency Response
- **CURSOR**: Coordinated Use of miniaturized Robotic equipment and advanced Sensors for search and rescue Operations
- **FIRE-IN**: Fire and Rescue Innovation Network
- **iProcureSecurity**: Strategic Partnership of Emergency Medical Service Practitioners for Coordination of Innovation Procurement
- **ResponDrone** – Novel Integrated Solution of Operating a Fleet of Drones with Multiple Synchronized Missions for Disaster Responses'
- **SIXTHSENSE** – Smart integrated extreme environment health monitor with sensory feedback for enhanced situation awareness
- **INTREPID** – Intelligent Toolkit for Reconnaissance and assessment in Perilous Incidents
- **PathoCERT** – Pathogen Contamination Emergency Response Technologies
- **Search and Rescue** – Search and Rescue: Emerging technologies for the Early location of Entrapped victims under Collapsed Structures and Advanced Wearables for risk assessment and First Responders Safety in SAR operations
- **RESPOND-A** - Next-generation equipment tools and mission-critical strategies for First Responders

These collaborations involved i.a. mutual attendance at various project meetings or workshops, e.g. NO-FEAR project workshop on training in disaster medicine, INGENIOUS 1st International Workshop on "Tools for the First Responder of the future" or FASTER Role Playing Game workshop.





Figure 10 ASSISTANCE presentation at the NO-FEAR project workshop on training in disaster medicine

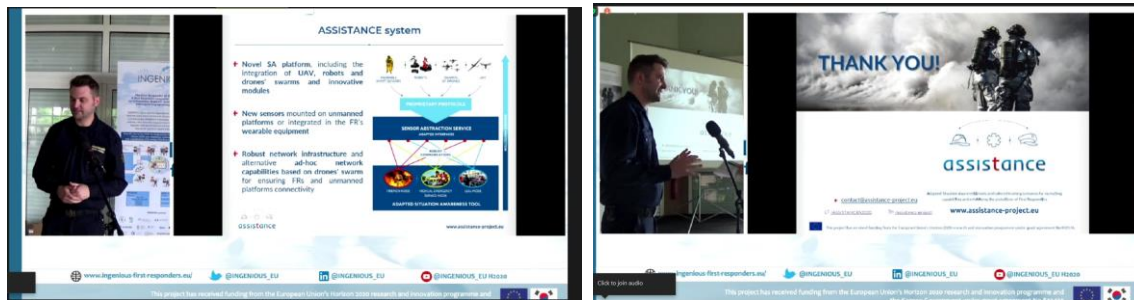


Figure 11 Snapshots from the INGENIOUS 1st International Workshop

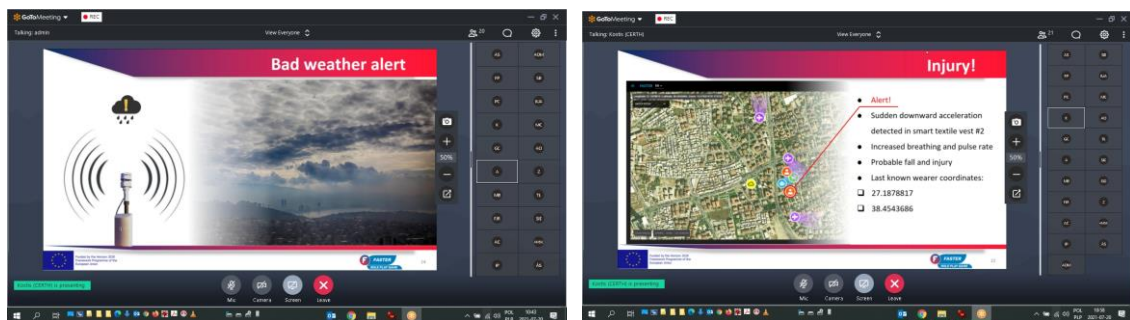


Figure 12 Snapshots from the FASTER Role Playing Game meeting

One of the initiatives that were realised in collaboration with other projects was the on Workshop/webinar on standardisation activities for disaster-resilient society (DRS) and critical infrastructure protection (CIP) projects, organised under the activities of task T9.3 and co-hosted by ASSISTANCE and aqua3s project.

Invitation to the workshop has been disseminated via the project communication channels (website, social media).

The goal of the workshop was: first, to give the attendees a basic understanding of standards, the standardisation process, and how standards can benefit their projects; second, briefly present resources available and lessons learned to help projects fulfil their standardisation needs. Available supporting resources and lessons learned from the standards activities of other projects were also presented.



Figure 13 Info slide accompanying the online invitation to the workshop on standardisation activities

The workshop/webinar was supported by presentations from representatives of: CEN/CENELEC, Directorate General for Migration & Home Affairs (DG-HOME), Finnish Standards Association (SFS), European Reference Network for Critical Infrastructure Protection (ERNICIP), CEN TC 164, Deutsches Institut für Normung (DIN), CURSOR project, DRIVER+ project and STRATEGY project.

Altogether, 44 people participated in the workshop and six Cluster 3 projects (ASSISTANCE, aqua3S, CURSOR, FASTER, PRAETORIAN, and STRATEGY) were represented.

The detailed summary and conclusions from the workshop are included in deliverable D9.6.

5. Conclusions and outlook

The ASSISTANCE consortium have made its best efforts to perform the communication and dissemination activities in many different formats, refocusing and seeking opportunities in various types of communication when facing the limitations related to the COVID-19 pandemic.

All project partners have reported a number of events and initiatives they have participated in or organised throughout the second half of the project.

Several activities are also planned near or after the project completion in July 2022 – some partners are planning publications related to the project and its results, e.g. RISE and SBFF and the Pilot 3 video will be released and disseminated via project online channels.

Moreover, task T9.2 leader (Łukasiewicz-PIAP) will keep the project online channels (website, social media) updated with relevant information and publishable materials for at least a year and will stay involved in the Horizon Results Booster Module B activity for joint dissemination with other projects in the group formed within the HRB service.

6. Appendixes

Appendix 1 Communication & dissemination list

Appendix 2 Newsletter 2

Appendix 2 Newsletter 3

Information about events/publications/activities where dissemination of ASSISTANCE project/results is planned													
No	Partner submitting	Presentation/publication/activity title/scope	Uploaded to ENODO	Event's or medium name	Type of event/ medium	Location (country, city etc., if applicable)	Event's/ medium territorial scope	Event's/medium/activity target audience	Date of the event/ publication/ activity	Status	Event/ medium website or contact data	Short description of the event/medium character or additional info	Comments
1	RISE	Poster at conference and discussion with potential End User Advisory Board members.	No	ITEC 2019 conference & MSB Seminar	Workshop/seminar		International	High level stakeholders	14-15 May 2019	Performed	https://www.iter.co.uk/	International conference on AR/VR simulations + national seminar on AR/VR training for emergency responders	MSB - Swedish Civil Contingency Agency
2	CEL	International Conference on Decision Economics	N/A	DECON Conference 2020	Conference/fair/trade show		International	Research/scientific community	2020	Not performed	https://www.decision-economics.net/	The International Conference on Decision Economics is a multidisciplinary international forum dedicated to advancing knowledge and improving instruction in economics, business, technology, psychology, and management.	Participation in the June 2020 session
3	CEL	Editing of the text book with best version's papers	N/A	DECON Conference 2020 textbook	Professional/scientific journal		International	Research/scientific community	2021	Planned	https://www.springer.com/t		Given the setback with the conference
4	THALES	GPU implementation of an eikonal solver	N/A	JPAL (journées de palaiseau)	Workshop/seminar		Local	End-users	2020	Performed			
5	THALES	GPU implementation of an eikonal solver	N/A	GSI (geometric science of information)	Workshop/seminar		National	Research/scientific community	2021	Not performed			
6	THALES	GPU implementation of an eikonal solver	N/A	PGMO (programme Gaspard Monge)	Workshop/seminar		National	Research/scientific community	2021	Not performed			
7	AAHD	Presentation	No	12 National Trauma Congress Turkey	Conference/fair/trade show	Turkey	National	End-users	09.10.2019	Performed	www.travma2019.org	Trauma and Disaster	
8	AAHD	Presentation	No	6. International Earthquake Symposium Turkey	Conference/fair/trade show	Turkey	International	End-users	25.09.2019	Performed	www.iesko2019.org	Disaster	
9	AVSRE	Tweet about KoM	N/A	Twitter	Media/social media/public inquiry		Global (internet)	Please choose	07.05.2019	Performed		Short report about ASSISTANCE purpose and KoM	
10	AVSRE	Internal Dissemination day	No	ASSISTANCE Dissemination day	Other	Emergencies Coordinator	Local	AVSRE staff and integrated Agencies	September 2019	Not performed		Presentation of the project to AVSRE's staff and integrated Agencies	
11	UPVLC	Project presentation	N/A	TAKEEDOWN project final conference	Workshop/seminar	Valencia, Spain	International	End-users	18.06.2019	Not performed	https://www.takedownproject.eu/conference/	Could not be attended	
12	FADA-CATEC	Stand at Expodrónica 2019	N/A	Expodrónica 2019	Conference/fair/trade show	Madrid, Spain	National	End-users	27-28/06/2019	Performed	https://expodronica.com/es/	Drone fair targeting end users applications	
13	FADA-CATEC	Stand at 5-moving	N/A	5-moving 2019	Conference/fair/trade show	Malaga, Spain	International	Research/scientific community	9-10/10/2019	Performed	https://5moving.fcyma.com/	5-Moving is the reference space for companies, professionals, entities and public administrations in the sectors of Intelligent, Autonomous and Connected Vehicles.	
14	UC	La UC, socio del Proyecto Europeo Assistance	N/A	University of Cantabria Youtube Channel	Interview		Global (internet)	General public	28.05.2019	Performed	https://www.youtube.com/watch?v=3T1Xg4d9C4A	Daniel Alvear presents ASSISTANCE and the UC contribution to the project	In spanish
15	UC	La UC, socio del proyecto europeo ASSISTANCE para dotar a los equipos de primera intervención con herramientas de alta tecnología y entrenamiento avanzado	N/A	University of Cantabria News Website	Internet		Global (internet)	General public	28.05.2019	Performed	https://web.unican.es/noticias/Paginas/2019/mayo_2019/Proyecto_ASSISTANCE.aspx	New about ASSISTANCE at University of Cantabria webpage	In spanish
16	UC	Reunión de arranque del Proyecto ASSISTANCE	N/A	GIDAI Group (UC) weblog	Internet		Global (internet)	General public	10.05.2019	Performed	http://gidai.grova.blogspot.com/2019/05/reunion-de-arranque-del-proyecto.html	ASSISTANCE KoM at GIDAI Group weblog	In spanish
17	CNBOP-PJB	Workshop with end-users	N/A	Droniada 2019	Workshop/seminar	Katowice, Poland	National	Research/scientific community	5-8.06.2019	Performed	https://www.Szywiolow.pl/droniada2019/		
18	CNBOP-PJB	Unmanned Aerial Vehicles in fire fighting activities	N/A	DroneTech WorldMeeting 2019	Workshop/seminar	Toruń, Poland	International	Research/scientific community	18-19.10.2019	Performed	https://www.facebook.com/events/329355084344247/		
19	CNBOP-PJB	Dissemination of project movie during event	N/A	Targi Kielce IFRE-EXPO	Conference/fair/trade show	Kielce, Poland	International	End-users	6-8.06.2019	Performed	https://www.targi Kielce.pl/targi-bransy-pozamiejskie-ratowniczo-schrony-pracochroniarstwo-sprzet-strazni-20181.htm	The International Trade Fair of Fire Brigade and Rescue Service Equipment (IFRE-EXPO, made it possible to get acquainted with the latest technologies related to firefighting activities. 127 exhibitors from 8 countries showed up. During the course, field demonstrations of the technologies presented were organized.	
20	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	N/A	Droniada 2020	Workshop/seminar		National	Research/scientific community	2020	Performed	https://www.Szywiolow.pl/http://dronetech-poland.com/7lang-en	Droniada 2020 was conducted partly online. It consisted of many aspects, incl. presentation of new drone technologies and the challenges posed to them. In addition to the above, as in the previous year, competitions were held among academic teams. As part of the online broadcast, a presentation on ASSISTANCE and a promotional film were presented.	
21	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	N/A	DroneTech WorldMeeting 2020	Workshop/seminar		International	Research/scientific community	2020	Performed	https://www.Szywiolow.pl/		
22	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	N/A	Droniada 2021	Workshop/seminar		National	Research/scientific community	2021	Performed	https://www.Szywiolow.pl/	The Droniada 2021 competition was open to all interested parties (not only academic teams). Part of the competition was focused on the use of UAVs for rescue purposes.	
23	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	N/A	DroneTech WorldMeeting 2021	Workshop/seminar		International	Research/scientific community	2021	Performed	http://dronetech-poland.com/7lang-en		
24	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	No	Droniada 2022	Workshop/seminar		National	Research/scientific community	2022	Planned	https://www.Szywiolow.pl/		
25	CNBOP-PJB	Dissemination of project movie during event, short presentation about ASSISTANCE project	No	DroneTech WorldMeeting 2022	Workshop/seminar		National	Research/scientific community	2022	Planned	http://dronetech-poland.com/7lang-en		
26	IFV	Newslitem on website ifv.nl	N/A	General information about the project	Internet		National	General public	29 mei 2019	Performed	ifv.nl	General information about the project	
27	IFV	Newslitem on website ifv.nl	N/A	Results IFV-survey ASSISTANCE and forecast new activities	Internet		National	General public	30 aug 2019	Performed	ifv.nl	Results IFV-survey ASSISTANCE and forecast new activities	Contact TNO and GB
28	IFV	Leaflet Assistance	Yes	General information about the project, Dutch version based on EU project version	Other		Individual	End-users	15 sept 2019	Performed		Firefighting event	Images to use?
29	IFV	Inspiratieplein	No	PPT-presentation	Conference/fair/trade show		Local	High level stakeholders	3/4 okt 2019	Performed	Firefighting event	PPT-presentation with highlights ASSISTANCE	Images to use?
30	IFV	Infographic	N/A	Results IFV-survey ASSISTANCE	Other		International	End-users	15 sept 2019	Not performed	Firefighting event and ifv.nl	Annual firefighting event	Not performed. Leaflet was sufficient.
31	IFV	Inspiration day continuous professional competence	No	PPT-presentation, leaflet, infographic	Conference/fair/trade show		Local	End-users	15 nov 2019	Performed		PPT-presentation, leaflet, infographic	
32	RISE	Brandposten	No	Brandposten	Newspaper/magazine		International	Research/scientific community	wrz.19	Performed	Currently in transition, contact: erika.hjelm@rise.se	Brief description of ASSISTANCE project and the roles of RISE in it.	
33	SBFF	Page on our website	N/A	https://www.sbff.se/om-oss/orsorkning	Internet		Global (internet)	General public	July 2019	Performed	https://www.sbff.se/om-oss/orsorkning-utveckling/	Information page on our official web, www.sbff.se, about EU projects and national collaborations.	
34	SBFF	SBFF PLAY	N/A	https://www.youtube.com/watch?v=0	Other		Local	End-users	June 2019	Performed	https://www.youtube.com/watch?v=04D0A8G40s	Internal communication. Information about the project to approximately 500 employees within SBFF via our film channel SBFF Play, which is published on the intranet.	
35	SBFF	Presentation to the Swedish Civil Contingencies Agency (MSB)	No	Please see attached excel sheet	Other	Sweden	National	Research/scientific community	June 2019	Performed		Summary of regional development projects	The Excel sheet describes completed, ongoing and
36	SBFF	Presentation to politician	No	F2F meeting	F2F meeting	Sweden	Local	High level stakeholders	Autumn 2019	Performed			The activity is planned for autumn
37	SBFF	Event for politician and municipal employees	N/A	Workshop/seminar	Workshop/seminar	Sweden	Local	High level stakeholders	Autumn 2019	Performed			The activity is planned for autumn
38	SBFF	Articles	No	Newspaper/magazine	Newspaper/magazine	Sweden	National	Please choose	2020/2021	Planned			The activity is planned for autumn
39	PIAP	Launch of the project website	N/A	Project public website	Internet	N/A	Global (internet)	General public	31.07.2019	Performed	www.assistance-project.eu		
40	PIAP	Launch of the project social media accounts (LinkedIn/Twitter)	N/A	Project social media accounts	Internet	N/A	Global (internet)	General public	31.07.2019	Performed	https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020		
41	PIAP	Communication materials publication (internal/external)	Yes	Project leaflet, project poster, project presentation template	Other	N/A	Global (internet)	Project partners, end external audiences	09.2019	Performed	https://assistance-project.eu/dissemination/communication-materials/		
42	UPVLC	ASSISTANCE Presentation during the INGENIUM	No	Clustering workshop during the INGENIUM	F2F meeting	Greece	International	End-users	18.09.2019	Performed		Clustering and cooperation opportunities among all projects funded under 2018 DRS02 call.	
43	TNO	workshop with fire fighters of GB	N/A	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	23.07.2019	Performed		workshop in which the project was presented to a team of end users, and input received regarding requirements and challenges to which the project might contribute.	
44	TNO	workshop with fire fighters of GB	N/A	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	29.07.2019	Performed		workshop in which the project was presented to a team of end users, and input received regarding requirements and challenges to which the project might contribute.	
45	TNO	workshop with fire fighters of GB	N/A	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	30.07.2019	Performed		workshop in which the project was presented to a team of end users, and input received regarding requirements and challenges to which the project might contribute.	
46	TNO	meeting with technical coordinator and project director of Driver+ project	N/A	meeting	F2F meeting	The Hague, NL	Please choose	Please choose	04.07.2019	Performed		Meeting between ASSISTANCE (TNO project leader) and technical coordinator and project director (TNO) of Driver+. Presentation of the ASSISTANCE project (and Driver+). Goal was to look for synergy between Driver+ project and ASSISTANCE project.	
47	TNO	presentation on objectives of ASSISTANCE	No	Vision Zero Summit 2019	Conference/fair/trade show	Helsinki, Finland	International	High level stakeholders	12-14 november 2019	Performed	tti.fi/visionzero19	Short presentation about ASSISTANCE during presentation regarding future of work for first responders.	
48	TNO	workshop with advisors 'dangerous substances' of Fire department region 'Rotterdam-Rijnmond'	N/A	meeting	F2F meeting	The Netherlands	Local	End-users	15 january 2020	Performed		Workshop in which the project was presented to a group of experts from the Fire department 'Rotterdam-Rijnmond' regarding dangerous substances, and input received regarding requirements and challenges to which the project might contribute.	
49	UPVLC	ASSISTANCE Presentation during the Mediterranean Security Event 2019	No	workshop	F2F meeting	Crete - Greece	International	Research/scientific community	29 October 2019	Performed	https://mse2019.kemsa-research.gr/	Meeting with the rest of DRS02 projects with end users and stakeholders for clustering and dissemination activities	
50	UPVLC	Paper accepted for ISCRAM conference	No	Conference	Conference/fair/trade show	USA	International	Research/scientific community	May 2020	Planned	https://www.drrm.fra.infn.it/esci-ctd/fscram2020/index.php	Conference paper submitted and accepted	

51	IFV	Newsitem on website ifv.nl and in newsletter	N/A	Website and social media (Twitter IFV and LinkedIn)	Internet	National	General public	December 2019	Performed	ifv.nl	Base for trainingprogramme ASSISTANCE ready		
52	IFV	Article in professional journal for firefighters	Yes	Brand & Brandweer	Professional/scientific journal	The Netherlands	End-users	April 2020	Performed	https://www.sdu.nl/shop/brand-en-brandweer-alsovereenkomst-schrijft-inclusief-online-en-stop-app.html	Interview with Eric Didden (IFV), Tina Moch (TNO) and Robert Heineke (GB)		
53	IFV	Newsitem on website ifv.nl and in newsletter	N/A	Website and social media (Twitter IFV and LinkedIn)	Internet	National	General public	2021	Performed	ifv.nl	Results WP 6.2		
54	IFV		N/A	eRIC	Conference/fair/trade show	National	End-users	18 & 19 of May 2022	Not performed			Depending on what to show. Keep in mind.	
55	IFV		N/A	Interschutz	Conference/fair/trade show	International	End-users	June 2022	Not performed			Depending on what to show.	
56	RISE	Information on www.rise	N/A	Information on webpage	Internet	Global (internet)	General public	2019	Performed	www.rise			
57	RISE	Poster at conference and discussion with potential End User Advisory Board members.	No	Skadeplats 2019	Conference/fair/trade show	Uppsala, Sweden	National	End-users	2019	Performed	https://www.brandskyddsforeningen.se/webshop/kor	National conference for firefighters	
58	RISE	Participated in a workshop for firefighter	N/A	ERIA	Workshop/seminar	Revinge, Sweden	National	End-users	October 2020	Performed	https://www.msb.se/sv/ammesomraden/krisberedskap	Discussed with end-user about challenge and requirements	
59	RISE	Participated in a workshop about the use of UAS	N/A	https://www.msb.se/sv/ammesomrade	Workshop/seminar	Revinge, Sweden	National	End-users	March 2020	Performed	https://www.msb.se/sv/ammesomraden/skydd-mot-oly	Discussed with end-user about challenge and requirements	
60	RISE	Participant in a exchange of expert meeting for firefighters tactics in Arnhem, NL	N/A	Exchange of Expert	Workshop/seminar	Arnhem, NL	International	Research/scientific community	November 2019	Performed	https://www.ifv.nl/kennisplein/Documents/20200113-R	Discussion with potential End User Advisory Board members	
61	RISE	Poster at conference	No	International Association of Fire Safety Scientists (IAFSS)	Conference/fair/trade show	Waterloo, Canada	International	Research/scientific community	2021	Performed	https://iafss.org/upcoming-events/	Discussion and networking with fire safety scientists	Will be presented virtually in April 2021.
62	FADA-CATEC	CATEC presentation at Expodronica	No	Expodronica 2020	Conference/fair/trade show	Spain	National	End-users	9-10/9/2020	Performed	https://expodronica.com/ea/	Drone fair targeting end users applications	
63	FADA-CATEC	Paper in scientific journal where the main technological results of ASSISTANCE, with respect to drones, will be presented	No	JINT (Journal of Intelligent & Robotic Systems)	Professional/scientific journal	N/A	International	Research/scientific community	September 2020	Performed	https://www.springer.com/journal/11086	Submitted the final version in September 2020, still in the review process.	
64	AAHD	Presentation and leaflet	No	6th SAYKAD International Health Related Quality of life meeting	Conference/fair/trade show	Izmir, Turkey	International	General public	21-23 November 2019	Performed	https://congress.saykad.net/		
65	AAHD	Presentation and leaflet	No	3 International 21.National Public Health Congress	Conference/fair/trade show	Antalya, Turkey	International	Research/scientific community	26-30 November 2019	Performed	https://shsk.org/2019/index.php/en/		
66	AAHD	Presentation and leaflet	No	International Medical Congress	Workshop/seminar	Izmir, Turkey	International	High level stakeholders	6-8 December 2019	Performed	http://emcidu.idu.edu.tr/		
67	AAHD	Presentation and leaflet	No	4th Next Generation Technologies in Emergency Services (International)	Workshop/seminar	Izmir, Turkey	International	End-users	12-13 December 2019	Performed	http://www.aahd.org.tr/2019/12/10/4-act-hizmetlerde-veni-neu1-teknolojiler-sempozyumu/		
68	AAHD	Presentation and leaflet	No	6th IPRED International Conference on Preparedness&Response to Emergencies&Disasters	Conference/fair/trade show	Tel Aviv, Israel	International	End-users	15-16 January 2020	Performed	https://www.inrad.co.il/		
69	FADA-CATEC	CATEC Stand at Global Robot Expo 2019	N/A	Global Robot Expo 2019	Conference/fair/trade show	Madrid	International	Research/scientific community	08.maj.19	Performed	https://www.globalrobotexpo.com/	European event on innovations for business & industry. Sectors: robotics, AI, 4.0 industry, logistics, air robots.	
70	VIASAT CH	presentation	N/A	Milipol 2019	Conference/fair/trade show	Paris	International	End-users	19-22 nov 19	Performed	https://www.milipol.com/		
71	UC	Presentation and video (maybe demo)	No	Interschutz 2021	Conference/fair/trade show	Hannover, Germany	International	End-users	June 2021	Not performed	https://www.interschutz.de/en/	Exhibition and forum on fire fighting, rescue service, civil protection and safety and security	Cancelled due to COVID
72	UC	Poster	No	13th international symposium on fire safety science (IAFSS)	Conference/fair/trade show	Waterloo, Canada	International	Research/scientific community	April 2021	Not performed	https://uwaterloo.ca/international-symposium-on-fire-s	One of the biggest events related to fire safety science.	Cancelled due to COVID
73	CEL	Scientific paper on ethics and societal aspects in DRS research	Please choose	One of this journal: Journal of Information Technology & Politics, Journal of Information Technology, Ethics and Information Technology, Philosophy & Technology, International Journal of Technoethics	Professional/scientific journal		International	Research/scientific community	2021	Planned	https://cyberethicslab.com/en/en-the-gender-dimension-in-situational-awareness-557/	The concept of the paper is to highlight the role of non-technological aspects in search & rescue studies and provide tailored methods for detecting them.	CEL and UNICAN are writing a whitepaper together that will serve as a stepping stone for the more polished, academic paper. The whitepaper will be disseminated through CEL's website.
74	ETRA	Presentation and leaflet	No	INTERSCHUTZ 2021	Conference/fair/trade show	Hannover	International	End-users	11-21 June 2021	Not performed	https://www.interschutz.de/en/	INTERSCHUTZ is the world's leading trade fair for the fire and rescue services, civil protection, safety and security. It is a magnet for companies from all around the world seeking to develop new markets for their solutions.	
75	ETRA	Publication: Paper	N/A	VI CONGRESO CIUDADES INTELIGENTES	Conference/fair/trade show	Madrid	National	General public	15-September 2020	Not performed	https://www.congreso-ciudades-inteligentes.es/	the VI Smart Cities Congress brought together the entire sector linked to smart cities to take the pulse of the latest developments that professionals, companies, local, provincial, autonomous and national public administrations implement for the development of intelligent territories in Spain.	
76	PIAP	Newsitem at www.piap.pl	N/A	Information on webpage	Internet		International	General public	December 2019	Performed	https://nipo.pl/en/research-projects/the-assistance-project/		
77	PIAP	Tweets/LinkedIn posts/newsitems on project sites	N/A	8 Tweets/8 LinkedIn posts/6 newsitems	Internet		International	General public	July 2019- November 2019	Performed	https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020 www.assistance-project.eu		
78	PIAP	Dissemination movie	N/A	Production of the dissemination movie and publication in the internet (website/social media)	Internet	N/A	Global (internet)	General public	May-July 2020	Performed	https://www.youtube.com/watch?v=msQwB60Uc https://assistance-project.eu/dissemination/communication-materials/ http://www.assistance-project.eu/category/news/	Dissemination movie explaining the project objectives and expected results, published in the YouTube service with associated newsitems on the project website and socila media accounts	
79	E-LEX	Project presentation	No	EU Efforts Towards a Full Protection of Personal Data seminar	Workshop/seminar	online	International	Research/scientific community	10 July 2020	Performed	http://www.medialaw.eu/eu-efforts-towards-a-full-protection-of-personal-data-july-10/		
80	RISE	Project presentation	No	ERIA - Early Response Innovation Arena workshop	Workshop/seminar	Kramfors, Sweden	National	End-users	08. wrz. 20	Performed	https://www.msb.se/sv/aktuellt/kalender/2020/septem	Together with the fire and rescue service a set of trials will be conducted regarding how they can deal with fires in underground parking garage.	
81	UC	Scientific paper	Yes	Safety Science	Professional/scientific journal	N/A	International	Research/scientific community	December 2019	Performed	https://www.journals.elsevier.com/safety-science https://www.linkedin.com/feed/update/urn:li:activity:669596744789200836	Exploring self-preservation capability in toddlers during evacuation process	Available online https://doi.org/10.1016/j.ssci.202
82	CEL	English language post with the project's video on LinkedIn with the following post and hashtags	N/A		Media/social media/public inquiry	N/A	Global (internet)	General public	08.03.2020	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6671166756490570496	CEL, in an English language post, shared the project's video on LinkedIn with the following post and hashtags. As of 24/8/2020, the post has gotten 258 Impressions, 7 Reactions, 1 Comment, 2 Shares and a 4.65% Engagement rate. <i>Learn more about our role in ethics monitoring alongside great partners on the ASSISTANCE project, which is aimed at helping enhance the capabilities of first responders in complex disaster situations. #Research #Innovation #FirstResponders #Safety #SearchAndRescue</i>	
83	CEL	English language post with the project's video on LinkedIn with the following post and hashtags	N/A		Media/social media/public inquiry	N/A	Global (internet)	General public	06.01.2020	Performed	https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020 http://www.assistance-project.eu https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020 http://www.assistance-project.eu	Learn more about our role in ethics monitoring alongside great partners on the ASSISTANCE project, which is aimed at helping enhance the capabilities of first responders in complex disaster situations. #Research #Innovation #FirstResponders #Safety #SearchAndRescue All project partners on LinkedIn were also tagged in the post (Universitat Politècnica de València (UPV), ETRA, Thales, UKASIEWICZ - PIAP Institute, Fundación Andalus para el Desarrollo Aeroespacial, TNO, RISE Research Institutes of Sweden, Instituut Fysieke Veiligheid (IFV), Gezamenlijke Brandweer, Viasat Inc., E-Lex Studio Legale, Södertörns brandforsvarsförbund.)	
84	PIAP	Brief introduction to the project at the FASTER project teleconference	N/A	FASTER teleconference (organised by the Polish Police Academy in Szczafno)	Other	telco (Poland)	National	End-users	31.08.2020	Performed		PIAP was invited by the organisers to take part in the FASTER project teleconference organised for Polish end-users as to initiate the collaboration between the projects.	
85	VIASAT CH	Marketing video summarizing and highlighting the main accomplishments of the common system built and the mission control system developed	N/A	EU Customers	Other	Switzerland	International	End-users	2020	Planned		Marketing video summarizing and highlighting the main accomplishments of the common system built and the mission control system developed	
86	PIAP	News/social media items on current project events	N/A	News/social media items on current project events	Internet	N/A	Global (internet)	General public	08/09 2020	Performed	https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020 http://www.assistance-project.eu https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCE2020 http://www.assistance-project.eu	News items on E-Lex workshop and collaboration with FASTER	
87	PIAP	Updates of the project website - creation of the Collaborations section	N/A	Updates of the project website - creation of the Collaborations section	Internet	N/A	Global (internet)	General public	08/09 2021	Performed	http://www.assistance-project.eu	Creation of the "Collaborations" section on the project website and adding projects linked with ASSISTANCE	

88	FADA-CATEC	Stand at 5-moving	N/A	5-moving 2020	Conference/fair/trade show	Malaga, Spain	International	Research/scientific community	30/9-1/10/2020	Performed	https://smoving-fycma.com/	5-Moving is the reference space for companies, professionals, entities and public administrations in the sectors of Intelligent, Autonomous and Connected Vehicles.	
89	UC	Presentation at the NAT. HAZARDS Technologies for First Responders Session	Yes	DRS Community of Users (CoU) Workshop	Workshop/seminar	N/A	International	End-users	15/09/2020	Performed	https://www.securityresearch-cou.eu/	"Addressing societal aspects in developing technologies for First Responders. Examples from the ASSISTANCE project" To be presented at the NAT. HAZARDS Technologies for First Responders Session	
90	RISE	Updates on study about physical loads in the nordic countries	No	Submitting to a journal	Professional/scientific journal	N/A	International	Research/scientific community	2021	Planned		Publication in preparation for August or September 2022	
91	CNBOP-PJB	dissemination movie and publication in the internet (website/social media) facebook and website	N/A	Interstutz	Conference/fair/trade show		International	Research/scientific community	June 2021	Not performed		Not performed due to COVID pandemic	Depending on what to show.
92	CNBOP-PJB	Possible usage of new technologies during search & rescue operation. Overview.	N/A	Journal- Revista europea de derecho de la navegación marítima y aeronáutica	Internet		Global (internet)	General public	August 2020	Performed		Publishing general information regarding project activities on facebook	
93	CNBOP-PJB	T. Beuker. Supporting situation awareness in first responders. A synopsis of theories, models and methods. Research project, University of Twente, September 2020.	No	Master's thesis	Other	The Netherlands	International	Research/scientific community	March 2021	Performed	https://revistasdederecho.com/wp-content/uploads/2021/03/Revista-Europea-de-Derecho-de-la-Navegacion-Maritima-y-Aeronautica.pdf	Open Source Journal. Title: Possible usage of new technologies during mitigation of large disaster. Overview.	
94	TNO	A. Ticheler. Non-expert risk assessment using gas cloud visualizations, and the influence of user characteristics. Master's thesis, Department of Psychology, Utrecht University, July 2020.	No	Student report	Other	The Netherlands	International	Research/scientific community	September 2020	Performed			
95	TNO		No	Master's thesis	Other	The Netherlands	International	Research/scientific community	July 2020	Performed			
96	UPVLC	Presentation at the CBRN Session	No	DRS Community of Users (CoU) Workshop	Workshop/seminar	N/A	International	End-users	17/09/2020	Performed	https://www.securityresearch-cou.eu/		
97	PIAP	Release of ASSISTANCE Newsletter1	Yes	ASSISTANCE Newsletter	Newsletter	N/A	Global (internet)	General public	May2020	Performed	https://assistance-project.eu/wp-content/uploads/2020/05/Newsletter1_May2020.pdf		
98	ETRA	Newsitem at grupoetra.com	N/A	Information on webpage	Internet	N/A	Global (internet)	General public	October 2020	Performed	https://www.grupoetra.com/en/technology-and-innovation/	General information about the project	
99	PIAP	Paper related to mobile robot technologies/WP4 results	Please choose	Open Access journal - to be selected	Professional/scientific journal	N/A	International	Research/scientific community	2021/2022	Not performed			
100	PIAP/UPV	ASSISTANCE project overview and User requirements specification	No	Clustering Webinar on New Technologies	Workshop/seminar	N/A	International	Research/scientific community	December 2020	Performed	https://youtu.be/4Shu4eU0e8k https://www.linkedin.com/showcase/assistance-project/	Organised by the Public Safety Communications Europe Forum	
101	PIAP	Updates of the project website and social media	N/A	Updates of the project website and social media	Internet	N/A	Global (internet)	General public	11/12_2020	Performed	https://twitter.com/ASSISTANCEch2020 www.assistance-project.eu/	News Items on: 5th DroneTech World Meeting 2020; Clustering Webinar on New Technologies for First Responder; first version of the Evacuation Module; White paper on sex & gender analysis in the ASSISTANCE project; Survey for First Responders on risk perception and resilience	
102	TNO	Scientific paper submitted to ISCRAM 2021	No	ISCRAM 2021	Conference/fair/trade show	USA	International	Research/scientific community	May 2021	Performed	https://www.drrm-franfinesci.vt.edu/isgram2021/index.php	Conference paper Actionable Situation Awareness: Supporting Team Decisions in Hazardous Situations	
103	CNBOP-PJB	Risk assessment of unmanned aerial vehicles based on SORA for rescue services and disaster management	Yes	Applied Sciences Journal	Professional/scientific journal	N/A	International	Research/scientific community	June 2021	Performed	https://www.mdpi.com/2076-3417/11/12/23364 https://www.mdpi.com/2076-3417/11/12/23364/pdf	Open-source journal	
104	ETRA	Newsitem at grupoetra.com	N/A	Information on webpage	Internet	N/A	Global (internet)	General public	October 2020	Performed	https://www.assistance-project.eu/wp-content/uploads/2021/09/appsci-11-06364.pdf	General information about the project	
105	FADA-CATEC	Stand at ERF 2020	N/A	ERF 2020	Conference/fair/trade show	Malaga, Spain	International	Research/scientific community	3-5/03/2020	Performed	https://www.eu-robotics.net/robotics_forum/	European Robotics Forum is a meeting of robotics community in Europe where advanced prototypes, services and projects funded under EU's Horizon 2020 research programme are presented	
106	TNO	Presentation	No	CBRN webinar series, Plymouth University	Workshop/seminar	Plymouth University, GB	Research/scientific community	December 2020	Performed	CBRN@Webinar - University of Plymouth	Talk about ASSISTANCE and supporting actionable situation awareness of first responders		
107	TNO	Presentation	No	HCI colloquium, University Utrecht	Workshop/seminar	University Utrecht, NL	Local	Research/scientific community	January 2021	Performed		Talk about ASSISTANCE and supporting actionable situation awareness of first responders	
108	TNO	J. Otten. Toxic fluid modelling: research project, University of Osnabrück, October 2020.	No	Student report	Other	University of Osnabrück, DE	Local	Research/scientific community	October 2020	Performed		Internal student report. Dissemination to student/university/education.	
109	TNO	C. Smet. Estimating characteristics of toxic spills using machine learning, University of Applied Sciences Utrecht, January 2021.	No	Student report	Other	University of Applied Sciences Utrecht, NL	Local	Research/scientific community	January 2021	Performed		Internal student report. Dissemination to student/university/education.	
110	UPVLC	Presentation of ASSISTANCE results	No	COMMUNITY OF EUROPEAN RESEARCH AND INNOVATION FOR SECURITY (CERIS) WebEx meeting	Internet		Global (internet)	End-users	24.02.2021	Performed	Philippe.Quenvailler@ec.europa.eu	2nd CERIS-DRS workshop focusing on technologies for first responders (DRS02 projects). The aim of the workshop is closely related to the development of the now called "Community for European Research and Innovation for Security" (CERIS), the successor of our successful Community of Users (CoU).	
111	UC	Presentation of UC participation in EU Projects	N/A	F2F meeting		Santander, Spain	Local	High level stakeholders	24.09.2020	Performed		Presentation of UC participation in EU projects with LEAs and Delegate of Spanish Government in Cantabria.	
112	UC	LinkedIn post	N/A	LinkedIn	Media/social media/public inquiry		Global (internet)	General public	25/09/2020	Performed	https://www.linkedin.com/posts/daniel-alvarez-46941947-last-week-we-had-the-opportunity-to-share-activity-671809316264995744-zq8	LinkedIn post about the Presentation of UC participation in EU projects with LEAs and Delegate of Spanish Government in Cantabria.	
113	UC	LinkedIn post	N/A	LinkedIn	Media/social media/public inquiry		Global (internet)	General public	25.09.2020	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6718873916502241380	LinkedIn post about the Presentation of UC participation in EU projects with LEAs and Delegate of Spanish Government in Cantabria.	
114	UC	Reunión con la Delegación de Gobierno en Cantabria y representantes de las FF. y CC. de Seguridad del Estado	N/A	GIDAI Group (UC) weblog	Media/social media/public inquiry		Global (internet)	General public	02.10.2020	Performed	http://gidai-group.blogspot.com/#	Blog post about the Presentation of UC participation in EU projects with LEAs and Delegate of Spanish Government in Cantabria.	
115	CEL	ASSISTANCE Horizon 2020 Project: Data Protection and Security in Emergency Situations	N/A	International Workshop on Data Protection and Security in Emergency Situations	Workshop/seminar	Rome, Italy	International	High level stakeholders	24.10.2019	Performed	http://www.e-tex.it/en/international-workshop-on-data-protection-and-security-in-emergency-situation	The participation to the event, which was held in Italian, was free and open with an RSVP. CEL helped with invitations to the public and speakers (Prof. Silvia Scarpa specifically) and with co-managing the round table. Giovanni Maria Riccio, Comparative Law Professor and E-Law Partner, held opening remarks. Other participants to the round table were Angelo Tofalo, Undersecretary to the Italian Ministry of Defense; Silvia Scarpa, professor of Public International Law at Luiss Guido Carli; and Luigi Carozzi, Officer at The Italian Data Protection Authority (Garante Privacy).	
116	AAHD	Presentation of Assistance Project	No	6th Turkish Congress on Emergency Medicine with International Participation (IATKON 2020)	Conference/fair/trade show	Turkey	International	High level stakeholders	20-22/11/2020	Performed	http://iatkon2020.org/en/	Public Health Specialists, health professionals, Emergency Medicine workers participated in the event	
117	AAHD	Presentation of Assistance Project	No	IMCIDU 2020 - 2nd International Medical Congress of Izmir Democracy University	Conference/fair/trade show	Izmir, Turkey	International	General public	17-19/12/2020	Performed	http://imcidu.idu.edu.tr/?lang=en		
118	AAHD	Presentation of Assistance Project	No	4th International - 22 National Public Health Congress (HASUDER 2020)	Conference/fair/trade show	Izmir, Turkey	International	High level stakeholders	13-19/12/2020	Performed	https://www.ahhs.org/2020/index2.html		
119	AAHD	Presentation of Assistance Project	No	1st Emergency Health Services and Covid-19 Symposium for Paramedic Day	Conference/fair/trade show	Izmir, Turkey	National	General public	29.12.2020	Performed			
120	UPVLC	ASSISTANCE information included in the INGENIOUS project newsletter	N/A	INGENIOUS project newsletter	Internet		Global (internet)	End-users	March 2021	Performed	https://mailchi.mp/59d626659344ingenious-1st-newsletter-10034936	Description of ASSISTANCE Project main achievements in the INGENIOUS project newsletter.	
121	PIAP	Release of ASSISTANCE Newsletter2	Yes	ASSISTANCE Newsletter	Newsletter	N/A	Global (internet)	General public	May 2021	Performed	https://assistance-project.eu/wp-content/uploads/2021/05/Newsletter2_May2021.pdf https://www.linkedin.com/showcase/assistance-project/		
122	PIAP	Updates of the project website and social media	N/A	Updates of the project website and social media	Internet	N/A	Global (internet)	General public	01/03/04/05 2021	Performed	https://twitter.com/ASSISTANCEch2020 www.assistance-project.eu		

123	PIAP	Publication of movies from Review 2 on the YT channel	N/A	Publication of movies from Review 2 on the YT channel	Internet	N/A	Global (internet)	General public	June 2021	Performed	https://www.youtube.com/channel/UCU_nwnv8kA_gS_zCMMz9dGQw			
124	PIAP	Updates of the project website and social media	N/A	Updates of the project website and social media - publication of Review 2 movies	Internet	N/A	Global (internet)	General public	June-September 2021	Performed	https://www.linkedin.com/showcase/assistance-project/ , https://twitter.com/ASSISTANCEch2020 , www.assistance-project.eu			
125	CEL	The societal modelling of situation awareness in search and rescue research: Sex and Gender Analysis	Yes	Working/white paper	Internet	N/A	Global (internet)	General public	December 2020	Performed	https://assistance-project.eu/wp-content/uploads/2021/01/CELL_UC-WP_Reframing-S&L-through-gender-analysis.pdf , https://www.linkedin.com/showcase/assistance-project/ , https://twitter.com/ASSISTANCEch2020 , www.assistance-project.eu			
126	PIAP AAHD, UPLVC, ETRA, THALES, UC, VIASAT, IFV, CNBP	Updates of the project website and social media	N/A	Updates of the project website and social media - publication of Review 2 movies, updates on Pilot 1, announcements of RSC participation	Internet	N/A	Global (internet)	General public	October 2021-February 2022	Performed	https://twitter.com/ASSISTANCEch2020 , www.assistance-project.eu			
127	PIAP	Pilot 1 demonstration	N/A	Pilot 1 demonstration	Other	Izmir, Turkey	International	End-users	24-28 January 2022	Performed	https://assistance-project.eu/2022/02/04/successful-assistance-pilot-1-demonstration-in-izmir/			
128	ETRA	Stand, presentation titled: Innovative Technologies in Drones Applications for Crisis Management and First Responders Support ; and posts on social media: https://www.linkedin.com/posts/etradrovillamor_expodronica-etra-activity-6859166738781638656-MSHG https://www.linkedin.com/posts/evam-unconawarrior_h2020-ethon-expodronica-activity-6859127596702044160-duy6j	No	WORLD ATM CONGRESS	Conference/fair/trade show	Madrid, Spain	International	High level stakeholders	26-28 October 2021	Performed	https://www.worldatmcongress.org/expodronica-aavision			
130	ETRA	Stand and presentation	N/A	INTERSCHULTZ 2022	Conference/fair/trade show	Hannover, Germany	International	End-users	20-25 June 2022	Not performed	https://www.interschultz.de/en/			
131	ETRA	Stand and presentation	N/A	DRONEXPO	Conference/fair/trade show	Madrid, Spain	National	High level stakeholders	11-12 May 2022	Not performed	https://www.dronexpo.es/			
132	UC	Scientific paper	N/A	Safety (indpl)	Professional/scientific journal	N/A	International	Research/scientific community	June 22	Performed	Not available yet	Paper in collaboration with CEL and RISE. Submitted not already published "Gender and public perception of disasters: A multiple hazards exploratory study of EU citizens"		The paper was originally submitted by CEL.
133	UC	Linkedin post	N/A	Reunión con la Delegación de Gobierno en Cantabria y representantes de las FF. y CC. de Seguridad del Estado	Media/social media/public inquiry	N/A	Global (internet)	General public	06.02.2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6893913896600891392/			LinkedIn post about the first pilot in Turkey
134	UC	Methods of Stakeholder Engagement for the Co-design of Security Technologies*	N/A	GIDAI Group (UC) weblog	Media/social media/public inquiry	N/A	Global (internet)	General public	07.02.2022	Performed	http://gidai-group.blogspot.com/#B961390254378568241			Blog post about the first pilot in Turkey
135	CEL	Please choose	Wiley- IEEE Press	Other	N/A	N/A	Global (internet)	End-users	to be defined	Performed		Chapter in a book		
136	FADA-CATEC	Virtual Stand at ERF2021	N/A	European Robotic Forum 2021	Conference/fair/trade show	Online	International	High level stakeholders	13-15/04/2021	Performed	https://www.eur-robotics.net/robotics_forum/	FADA-CATEC updated information related to the ASSISTANCE project in its virtual stand at ERF2021 (project presentation, main outcomes, flyers...)		
137	FADA-CATEC	Presentation at Spring Robotic Committee	N/A	Spring Robotic Committee	Conference/fair/trade show	Online	International	End-users	20.04.2021	Performed		FADA-CATEC presented ASSISTANCE project (among others) to the Spring Robotic Steering Committee		
138	FADA-CATEC	Presentation at INGENIADRON	N/A	INGENIADRON 2021	Conference/fair/trade show	Online	National	General public	4-5/05/2021	Performed	https://ingeniadron.org/	FADA-CATEC updated information related to the ASSISTANCE project in its virtual stand at INGENIADRON		
139	FADA-CATEC	Paper presentation at SSR2021	N/A	SSRR2021 2021 IEEE International Symposium on Safety, Security, and Rescue Robotics	Conference/fair/trade show	New York, USA	International	Research/scientific community	25-26/10/2021	Performed	https://wo.nyu.edu/ssr/2021/	FADA-CATEC presented a paper related to ASSISTANCE results: https://ieeexplore.ieee.org/document/9597861		
140	FADA-CATEC	Stand at UNVEX 2021	N/A	UNVEX 2021	Conference/fair/trade show	Santiago de Compostela, Spain	National	High level stakeholders	7-9/07/2021	Performed	https://www.univex.es/	FADA-CATEC presented ASSISTANCE in its physical stand		
141	FADA-CATEC	Twitter post about SSRR2021	N/A		Media/social media/public inquiry	Twitter	Global (internet)	General public	21.01.2021	Performed	https://twitter.com/FADA_CATEC/status/1451292074775580672?src=hashtag_click			
142	FADA-CATEC	Twitter post about FADA-CATEC first-response projects	N/A		Media/social media/public inquiry	Twitter	Global (internet)	General public	05.10.2021	Performed	https://www.abc.es/economia/abc-eslos-drones-sobrevuelan-la-grafia-y-salvan-vidas_202110030206_noticia.html			
143	FADA-CATEC	Article on the first response projects carried out by catec	N/A	ABC	Newspaper/magazine	Spain	National	General public	03.10.2021	Performed	https://www.abc.es/economia/abc-eslos-drones-sobrevuelan-la-grafia-y-salvan-vidas_202110030206_noticia.html https://www.linkedin.com/feed/update/urn:li:activity:6851058950180237132/?updateEntryId=urn:nid:m3A3IN3AFx_feediupdate%3AM3N2PN2CNrm33AIN3Aactivity%3A6851058950180237132%29			
144	FADA-CATEC	Linkedin post about FADA-CATEC first-response projects	N/A	Linkedin	Please choose	Linkedin	Global (internet)	General public	05.10.2021	Performed				
145	RISE	Presentation at CERIS EVENT, Brussels	Yes	Presentation	Workshop/seminar	Brussels, Belgium	International	High level stakeholders	March 2022	Performed	Presentation about standards activities in ASSISTANCE	Workshop/webinar (co-hosted with aqua3s project) a on standardisation activities for disaster-resilient society (DRS) and critical infrastructure protection (CIP) projects.		
146	RISE, UC, PIAP, ETRA	Standardisation Activities Workshop/Webinar for DRS and CIP projects	N/A	Online webinar	Workshop/seminar	Online	International	Research/scientific community	18 November 2021	Performed	https://assistance-project.eu/2021/10/29/assistance-and-aqua3s-standardisation-activities-workshop/	The goal of the workshop was: first, to give the attendees a basic understanding of standards, the standardisation process, and how standards can benefit their projects; second, briefly present resources available and lessons learned to help projects fulfil their standardisation needs.		
147	AAHD	Project Presentation	No	Next Generation Technologies in Emergency Services	Media/social media/public inquiry	Turkey	Global (internet)	General public	12 February 2021	Performed	https://www.youtube.com/watch?v=8k8u3p4wcuU&list=channelUATTD8	These presentations led to an opportunity for attendees to break into private project-specific groups to discuss their standardisation needs and begin to plan how to fulfil them.		
148	AAHD	Project dissemination	N/A	AAHD Linkedin	Media/social media/public inquiry	Turkey	Global (internet)	General public	07.maj.21	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6796436191248080896	The workshop/webinar was supported by presentations from representatives of: CEN/CENELEC, Directorate General for Migration & Home Affairs (DG-HOME), Finnish Standards Association (SFS), European Reference Network for Critical Infrastructure Protection (ERN-CIP), CEN TC 164, Deutsches Institut für Normung (DIN), DRIVER+ project, CURSOR project, STRATEGY project		
149	AAHD	Presentation of Assistance Project	N/A	Emergency Nurses Association (AHEMDER) 1st International 6th National Emergency Nursing Congress	Conference/fair/trade show	Turkey	International	Research/scientific community	07 June 2021	Performed	https://www.facebook.com/ahdortgr/posts/550978920520829			
150	AAHD	Project dissemination on social media	N/A	AAHD Linkedin	Media/social media/public inquiry	Turkey	Global (internet)	General public	03 July 2021	Performed	https://twitter.com/ahdortgr/status/1400498143695970306			
151	AAHD	Project Presentation	N/A	EENA Conference 2021	Conference/fair/trade show	Riga, Letonya	International	High level stakeholders	6-8 October 2021	Performed	https://eena.org/knowledge-hub/press-releases/eena-conference-moves-to-06-08-october-2021/			
152	AAHD	Project Presentation	N/A	R&D Innovation Industry and Technology Fair	Conference/fair/trade show	Turkey	International	General public	13 October 2021	Performed	https://www.facebook.com/ahdortgr/posts/6163693357237054			
153	AAHD	Project Presentation	N/A	Bakrcay Smart University Workshop	Workshop/seminar	Turkey	National	Research/scientific community	12 November 2021	Performed	https://www.zim-universitesi.com/akbi-universite/			
154	AAHD	Project Presentation	N/A	Izmir Tınaztepe University 2nd Emergency Health Services Symposium	Conference/fair/trade show	Turkey	National	Research/scientific community	22 December 2021	Performed	https://www.facebook.com/ahdortgr/posts/6552887244430808			
155	AAHD	Project Presentation	N/A	3rd International Izmir Democracy University Medical Congress (IMCIDU 2021)	Conference/fair/trade show	Turkey	International	Research/scientific community	12 December 2021	Performed	https://www.facebook.com/ahdortgr/posts/648347614447360348			
156	AAHD	Project dissemination on social media	N/A	Izmir Pilot	Media/social media/public inquiry	Turkey	Global (internet)	General public	24-28 January 2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6893424886354958576			
157	AAHD	Project dissemination on social media	N/A	Izmir Pilot AV VR training	Media/social media/public inquiry	Turkey	Global (internet)	General public	27 January 2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6895678732215632966			
158	AAHD	Project dissemination on social media	N/A	Rotterdam Second Pilot	Media/social media/public inquiry	Netherlands	Global (internet)	General public	31 March 2022	Performed	https://twitter.com/ahdortgr/status/1504892301176464541			

159	AAMD	Project dissemination on social media	N/A	Izmir Pilot video	Media/social media/public inquiry	Turkey	Global (internet)	General public	24-28 January 2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6913442008012247808	
160	AAMD	Project Presentation	N/A	5th Symposium on Next Generation Technologies in Emergency Services	Conference/fair/trade show	Turkey	Global (internet)	General public	16-17 March 2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6902715003861395165	
161	PIAP	Updates of the project website and social media	N/A	Updates of the project website and social media - publication of Izmir Pilot 1 movie, updates on Pilot 1, announcements and updates on Pilot 2, updates on SRE 2022	Internet	N/A	Global (internet)	General public	March 2022- April 2022	Performed	https://www.linkedin.com/showcase/assistance-project/ , https://twitter.com/ASSISTANCEh2020 , www.assistance-project.eu	
162	All partners	Pilot 2 demonstration	N/A	Pilot 2 demonstration	Other	Rotterdam, NL	International	End-users	28 March - 1 April 2022	Performed	https://assistance-project.eu/2022/04/12/successful-assistance-pilot-2-demonstration-in-rotterdam/	
163	All partners	Pilot 3 demonstration	N/A	Pilot 3 demonstration	Other	Linares, Spain	International	End-users	13-17 June 2022	Performed	https://assistance-project.eu/2022/06/30/successful-final-pilot-demonstration-in-linares/	
164	MIR-PN	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	Spain	Global (internet)	General public	29.06.2022	Performed	https://www.policia.es/es/comunicacion_gremia_detalle.php?ID=12704	3 pilot event at Linares has been published at the official web site of the Spanish National Police www.policia.es
165	TNO	Scientific Paper at IHSED 2021	Please choose	IHSED 2021	Conference/fair/trade show	Croatia	International	Research/scientific community	September 2021	Performed	https://www.ihsed.org/	Conference paper accepted and presented during online conference in September 2021.
166	TNO	T. Beuker. Designing Human-Agent Teaming for First Responders. Master's thesis, Department of Behavioural, Management, and Social Sciences, University of Twente.	Please choose	Master's thesis	Other	The Netherlands	International	Research/scientific community	September 2022	Performed		
167	TNO	Leijnse, M. Designing Adjustable Work Agreements for Hybrid Intelligent Disaster Management. Master's thesis, Department of Artificial Intelligence, Radboud University Nijmegen.	Please choose	Master's thesis	Other	The Netherlands	International	Research/scientific community	June 2021	Performed		
168	TNO	presentation at HCI colloquium, Utrecht	Please choose	presentation	Professional/scientific journal	The Netherlands	Local	Research/scientific community	January 2021	Performed		Presentation about ASSISTANCE for students and researchers of the HCI faculty at Utrecht University
169	THALES	PathOptim : mission planner for drones	N/A	Internal dissemination to business line LAS (land & joint systems)	Workshop/seminar	Palaiseau, France	Local	End-users	November, 2021	Performed		
170	THALES	PathSolver dissemination	N/A	Dissemination and transfer of our library to LAS in order to be used into their products.	Other	Palaiseau, France	Local	End-users	17 January 2022	Performed		
171	THALES	PathOptim : mission planner for drones	N/A	Internal presentation to THALES business line AVS	Workshop/seminar	Palaiseau, France	Local	End-users	4 April, 2022	Performed		
172	THALES	GPU implementation of an ekonal solver	N/A	JPAL (journées de palaiseau)	Workshop/seminar	Palaiseau, France	Local	End-users	13 May, 2022	Performed		
173	THALES	PathOptim : mission planner for drones	N/A	Internal presentation to THALES business line TAS (Thales Avionic Systems)	Workshop/seminar	Palaiseau, France	Local	End-users	1 July 2022	Performed		
174	THALES	PathOptim : mission planner for drones	N/A	Internal presentation to THALES business line SRA	Workshop/seminar	Palaiseau, France	Local	End-users	8 July 2022	Performed		
175	FADA-CATEC	Webinar	N/A	MDPI webinar on Drones	Workshop/seminar	N/A	Global (internet)	Research/scientific community	30 June 2022	Performed	https://sciforum.net/event/Drones-1	
176	FADA-CATEC	Conference	N/A	ISUDEP'22, International Symposium on Unmanned Systems and the Defence Industry	Conference/fair/trade show	Madrid, Spain	International	End-users	30 May 2022	Performed	https://pro.uc3m.es/https-2022-isudep-org/	
177	FADA-CATEC	Exhibition	N/A	DRONExpo 2022	Conference/fair/trade show	Madrid, Spain	National	End-users	11-12 May 2022	Performed	https://www.dronexpo.es/	
178	AVSRE	La SGISE evaluará herramientas desarrolladas a través del proyecto europeo Assistance	N/A	Newslitem on SGISE webpage	Media/social media/public inquiry	N/A	Global (internet)	General public	June 2021	Performed	https://gise.es/es/la-sociedad-valenciana-de-gestion-integral-de-las-emergencias-evalua-herramientas-desarrolladas-a-traves-del-proyecto-europeo-assistance/	
179	AVSRE	La Sociedad Valenciana de Gestión Integral de las Emergencias evaluará eines desenvolupades a través del proyecto europeo Assistance	N/A	Press release on Generalitat Valenciana webpage	Media/social media/public inquiry	N/A	Global (internet)	General public	June 2021	Performed	https://www.gva.es/va/inicio/area_de_prensa/not_doi_alle_area_prensa?Id=963856	
180	AVSRE	La Sociedad Valenciana de Gestión Integral de las Emergencias evaluará herramientas desarrolladas a través del proyecto europeo Assistance	N/A	Media release in elperiodic.com	Media/social media/public inquiry	N/A	Global (internet)	General public	June 2021	Performed	https://www.elperiodic.com/sociedad-valenciana-gestion-integral-emergencias-evalua-herramientas-desarrolladas-traves-proyecto-europeo-assistance_756138	
181	AVSRE	La Sociedad Valenciana de Gestión Integral de las Emergencias evaluará herramientas desarrolladas a través del proyecto europeo Assistance	N/A	Media release in Valencia News	Media/social media/public inquiry	N/A	Global (internet)	General public	June 2021	Performed	https://gisenews.es/tendencias/la-sociedad-valenciana-de-gestion-integral-de-las-emergencias-evalua-herramientas-desarrolladas-a-traves-del-proyecto-europeo-assistance/	
182	AVSRE	Project dissemination on social media	N/A	Twitter post	Media/social media/public inquiry	N/A	Global (internet)	General public	November 2021	Performed	https://twitter.com/GVAsigse/status/1450233153789505897?s=20	
183	AVSRE	Un grupo de bomberos forestales de la SGISE participa en la fase final del proyecto europeo Assistance	N/A	Newslitem on SGISE webpage	Media/social media/public inquiry	N/A	Global (internet)	General public	November 2021	Performed	https://gise.es/es/un-grupo-de-bomberos-forestales-de-la-sigse-participa-en-la-fase-final-del-proyecto-europeo-assistance/	
184	AVSRE	Un grup de bombers forestals de la SGISE participa en la fase final del projecte europeu Assistance	N/A	YouTube info release	Media/social media/public inquiry	N/A	Global (internet)	General public	November 2021	Performed	https://www.youtube.com/watch?v=V8wxe-8T8	
185	AVSRE	Project dissemination on social media	N/A	Twitter posts	Media/social media/public inquiry	N/A	Global (internet)	General public	26-31 March 2022	Performed	https://twitter.com/GVAsigse/status/1508844120818827272 https://twitter.com/GVAsigse/status/1509495032415502341 https://twitter.com/GVJusticia/status/1507648205353279489	
186	AVSRE	Emergencias participa en las pruebas piloto del proyecto europeo ASSISTANCE para integrar la realidad virtual en la formación en emergencias	N/A	Newslitem on SGISE webpage	Media/social media/public inquiry	N/A	Global (internet)	General public	March 2022	Performed	https://gise.es/es/emergencias-participa-en-las-pruebas-piloto-del-proyecto-europeo-assistance-para-integrar-la-realidad-virtual-en-la-formacion-en-emergencias/	
187	AVSRE	Emergencias participa en les proves pilot del projecte europeu Assistance per a integrar la realitat virtual en la formació en emergències	N/A	Press release on Generalitat Valenciana webpage	Media/social media/public inquiry	N/A	Global (internet)	General public	March 2022	Performed	https://www.gva.es/va/inicio/area_de_prensa/not_doi_alle_area_prensa?Id=992471	
188	AVSRE	Emergencias participa en las pruebas piloto del proyecto europeo Assistance para integrar la realidad virtual en la formación en emergencias	N/A	Media release in elperiodic.com	Media/social media/public inquiry	N/A	Global (internet)	General public	March 2022	Performed	https://www.elperiodic.com/emergencias-participa-pruebas-piloto-proyecto-europeo-assistance-para-integrar-realidad-virtual-formacion-emergencias_811987	
189	AVSRE	Emergencias participa en pruebas piloto para integrar la realidad virtual en la formación en emergencias	N/A	Media release in Levante-El Mercantil Valenciano	Media/social media/public inquiry	N/A	Global (internet)	General public	March 2022	Performed	https://www.levante-emv.com/comunitat-valenciana/2022/03/26/emergencias-participa-pruebas-piloto-integrar-64306152.html	
190	MIR-PN	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	Linares, Spain	Global (internet)	General public	13-17 June 2022	Performed	https://youtu.be/vYB10AdxbU0	3 pilot event at Linares has been published at the official web site of the Spanish National Police on youtube
191	IFV	Project dissemination on social media	N/A	Online VR training sessions	Media/social media/public inquiry	Rotterdam, NL	Global (internet)	General public	May 2021	Performed		

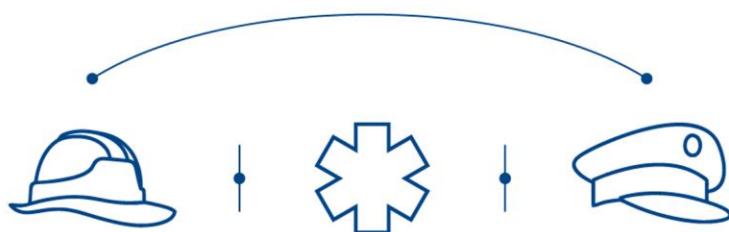
192	IFV	Project dissemination on social media	N/A	Rotterdam Pilot 2 AV VR training	Media/social media/public inquiry	Rotterdam, NL	Global (internet)	General public	28 March - 1 April 2022	Performed	https://www.linkedin.com/feed/update/urn:li:share:6914553864771796992?utm_source=linkedin_share&utm_medium=member_desktop_share&utm_content=post	
193	IFV	Project dissemination on social media	N/A	Rotterdam Pilot 2 movie demonstration	Media/social media/public inquiry	Netherlands	Global (internet)	General public	May 2022	Performed	https://www.linkedin.com/feed/update/urn:li:share:69331493905261512704?utm_source=linkedin_share&utm_medium=member_desktop_share&utm_content=post	
194	IFV	Project dissemination on social media	N/A	Linares Pilot AV VR training	Media/social media/public inquiry	Linares Spain	Global (internet)	General public	13-17 June 2022	Performed	https://www.linkedin.com/feed/update/urn:li:share:6943209092358250495?utm_source=linkedin_share&utm_medium=member_desktop_share&utm_content=post	
195	IFV	Project Presentation	N/A	2 presentations, 1 for MT and 1 for colleagues	F2F meeting	Arnhem, NL	Local	High level stakeholders	4-5 July-August 2022	Performed		2 Powerpoint presentations; one more management oriented, one more peer researcher oriented
196	IFV	Newsletter on website nigr.nl	N/A	Website and social media (Twitter iFV and LinkedIn)	Internet	N/A	National	General public	July-August 2022	Performed		Summary of the pilot results
197	UC	LinkedIn post	No	LinkedIn	Media/social media/public inquiry	N/A	Global (Internet)	General public	30.03.2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:691484342738958624	LinkedIn post about the second pilot in Rotterdam
198	UC	Scientific paper	N/A	Applied Sciences journal	Professional/scientific journal	N/A	International	Research/scientific community	July 22	Planned	https://www.mdpi.com/journal/applsci	Evacuation Management System for Major Disasters
199	UC	Blog post	NO	GIDAI Group (UC) weblog	Media/social media/public inquiry	N/A	Global (Internet)	General public	08.04.2022	Performed	http://aidagroup.blogspot.com/2022/03/primer-piloto-del-proyecto-europeo.html	Paper submitted and waiting for acceptance
200	UC	LinkedIn post	No	LinkedIn	Media/social media/public inquiry	N/A	Global (Internet)	General public	15.06.2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6942900361619750912	LinkedIn post about the third pilot in Linares
201	UC	LinkedIn post	No	LinkedIn	Media/social media/public inquiry	N/A	Global (internet)	General public	20.06.2022	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6944566049329565086	LinkedIn post about the third pilot in Linares
202	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	Rotterdam, NL	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuo02Nfd-dtAwgoF-d7h2vCvgBnufg885Uh77TNEVxp55HrDB7e1u1WYpG2raa8udPnf5Gv	Posts on Facebook, Twitter and LinkedIn
203	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoBnuf78K518DQW17vYnGdeF7H58H-d7h2vCvgBnufg885Uh77TNEVxp55HrDB7e1u1WYpG2raa8udPnf5Gv	Posts on Facebook, Twitter and LinkedIn
204	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDw172RbBb1vgAAgGoDvYBvca3mXvse8Bx3hKQ2f24vmbnufg885Uh77TNEVxp55HrDB7e1u1WYpG2raa8udPnf5Gv	Posts on Facebook, Twitter and LinkedIn
205	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDy17Ch4SeVpTukvGdN7vnpv3f8aDysDucWixkUta16ZnGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
206	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoD2vX8aGdCv86vG7p7vCv-d7h2vCvgBnufg885Uh77TNEVxp55HrDB7e1u1WYpG2raa8udPnf5Gv	Posts on Facebook, Twitter and LinkedIn
207	AAHD	Project dissemination on social media	N/A	Pilot 2 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	28 March - 1 April 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDvV5gEgTPFoTocWZVv6aF5M8n6PH78b7vcV3M1a6v8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
208	AAHD	Project Presentation	N/A	NO-FEAR Project	Workshop/seminar	Novara, Italy	International	End-users	24-25 May 2022 Novara	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
209	AAHD	Project dissemination on social media	N/A	NO-FEAR Project	Media/social media/public inquiry	Novara, Italy	Global (Internet)	General public	24-25 May 2022 Novara	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
210	AAHD	Observer	N/A	CRIMEDIM Disaster Drill	Workshop/seminar	Novara, Italy	International	End-users	24-25 May 2022 Novara	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
211	AAHD	Project Presentation	N/A	RSE-SD Symposium	Other	Plovdiv, Bulgaria	International	Research/scientific community	31 May - 2 June 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
212	AAHD	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	13-17 June 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
213	AAHD	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	13-17 June 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
214	AAHD	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	N/A	Global (Internet)	General public	13-17 June 2022	Performed	https://www.facebook.com/825701637502946/posts/ptfuoDm27GHQ5G4v8p3vU1UjUw8C1hod74EvmDvK5v8vknEpcv8a2umH1h3vGdF2vickc6k1Lwufvxd/	Posts on Facebook, Twitter and LinkedIn
215	PIAP	Updates of the project website and social media - publication of Rotterdam Pilot 2 movie, updates on Pilot 2 and Pilot 3, announcements and updates on Pilot 2 and Pilot 3	N/A	Internet	N/A	N/A	Global (Internet)	General public	April 2022- July 2022	Performed	https://www.linkedin.com/showcase/assistance-project/	
216	PIAP	Release of ASSISTANCE Newsletter3	Please choose	ASSISTANCE Newsletter	Newsletter	N/A	Global (Internet)	General public	July 2022	Planned	https://twitter.com/ASSISTANCE2020	
217	PIAP	Participation in HRB Module A	N/A	Horizon Results Booster Module A	Other	N/A	International	End-users, stakeholders, general public, scientific community	April-August 2021	Performed	https://workspace.horizoncongresshubbooster.eu/	
218	PIAP	Participation in HRB Module B	N/A	Horizon Results Booster Module B	Other	N/A	International	End-users, stakeholders, general public, scientific community	February 2022 - ongoing	Performed		
219	PIAP	Workshop of UGV Interoperability	N/A	NATO STO IST-179 group	Workshop/seminar	Germany	International	Research/scientific community	27 - 28 April 2022	Performed	https://www.linkedin.com/posts/eduardoillamor_nato_ata3-1aunfdr-activity-6936801588100197369-5a6g-mvdc	Visit and exchange at the FKIE. NATO group «IST-179 Interoperability for Semi-Autonomous Unmanned Ground Vehicles» has been guest at the institute. Interoperability tests were carried out in preparation for the joint experiment at ELROB 2022. 12 participants from five different nations attended, using three different robots and three different controllers for the robots. In addition to the physical test, the US participants connected through the internet and successfully controlled the robots from the USA. IST-179 group's main goal is that NATO countries can control each other semi-autonomous ground vehicles. Tests included data sharing and control from multiple robots available on one OCU (Operator Control Unit) and many operators sharing resources of the same platform(s). Lukaszewicz - PIAP HMI design from ASSISTANCE project was operating with many other assets.
220	PIAP	Tests with UGV Interoperability	N/A	ELROB INGENIOUS 1st International Workshop on "Tools for the First Responder of the future"	Workshop/seminar	Austria	International	Research/scientific community	30 May - 3 June 2022	Performed		

226	ETRA	Project dissemination on social media	N/A	Linares Pilot	Media/social media/public inquiry	N/A	Global (internet)	General public	13-17 June 2022	Performed	https://www.linkedin.com/posts/etra_firstresponders_crisismanagement-security-activity-6943546362236812442_V9wZu3m_source=linkedin_share&utm_medium=member_desktop_web		
227	E-LEX	Publication of a paper on privacy, data protection and human rights impact of ASSISTANCE technologies	N/A	Paper on privacy, data protection and human rights impact of ASSISTANCE technologies	Professional/scientific journal	N/A	Global (internet)	General public	31 July 2022	Planned	N/A	N/A	
228	E-LEX	Project Presentation	N/A	Presentation on the ASSISTANCE technologies and the related privacy issues. The advantages of using ASSISTANCE technology for the collaboration between First Responder organisations.	Workshop/seminar	N/A	Global (internet)	End-users	28 July 2022	Planned	28 July - 16:00 PM https://meet.google.com/zds-pnbz-tad Or with mobile phone: (IT) +39 02 8046 1529 PIN: 582 783 7034; https://tel.meet/zds-pnbz-tad?pin=4173658565694	Presentation of the Assistance Project results and the related privacy issues, with a focus on the advantages in using technologies in the collaboration between FR organisations	
229	MIR-PN	Project dissemination on social media	N/A	Pilot 3 demonstration	Media/social media/public inquiry	Linares, Spain	Global (internet)	General public	13-17 June 2022	Performed	https://twitter.com/policia/status/1542171537284125473?s=24&t=MR2BpBjz8Aq6Zy4KnFTw	3 pilot event at Linares has been published at the official web site of the Spanish National Police on youtube	
230	CATEC/UPVLC	Pilot 3 video	N/A	Pilot 3 demonstration	Other	N/A	International	General public	July 2022	Planned		Video documenting Pilot 3 demonstration	
231	PIAP	Updates of the project website and social media	N/A	Updates of the project website and social media - publication of Pilot 3 movie, publication of public deliverables and general updates on the project-related themes	Media/social media/public inquiry	N/A	Global (internet)	General public	July 2022- June 2023	Planned			



NEWSLETTER

MAY 2021





assistance

Adapted Situation Awareness tools and tailored training scenarios for increasing capabilities and enhancing the protection of First Responders

www.assistance-project.eu

Contents:

- 
- + Year2 summary and accomplishment of next project milestones**
 - + Work in progress**
 - + ASSISTANCE second Review Meeting**
 - + Dissemination and clustering activities**
 - + ASSISTANCE Users Community**
- 

Dear Reader,

Welcome to the second issue of the ASSISTANCE Newsletter. We are pleased to present you an overview of our progress and achievements after second year of the project execution.

It was a very challenging year for the whole world as the SARS-COV-2 pandemic was the main theme for all of us throughout our daily life and affected many aspects of it. Despite the difficulties resulting from the outbreak, our project teams managed to keep all the work progressing with majority of the results delivered as planned and reorganising activities into a remote mode whenever necessary.

ASSISTANCE is at this stage at the end of its integration phase where all developed modules are being integrated in the whole ASSISTANCE Situation Awareness platform (SAP). We should already start preparations to our three large scale pilots that were planned to begin this year – first one to take place in Turkey in September (M30), followed by the second one in the Netherlands in November (M32) and the final one in Spain in January 2022 (M34).

However, the situation with the pandemic has not fully cleared yet and though the vaccination programmes are progressing in most of the countries, we are still before the final decision on the potential re-scheduling or change of the format (virtual/remote) of the demonstrations. We closely monitor the situation in all the partner countries and will be discussing the most suitable options within the next month.

Let's hope we will be able to finally meet in person and present our results in the originally planned setting.

If you are interested in getting involved in the project, please take a look at the ASSISTANCE Users Community section of this Newsletter and join the team!

ASSISTANCE Project Coordinator

+ Year2 summary and accomplishment of next project milestones

ASSISTANCE has entered its second year of execution with the first Review Meeting that was held on 28th May 2020. As the SARS-COV-2 pandemic was already in the peak of its first wave, the meeting was held fully online and all the progress and achievements of the first year have been presented to the Project Officer and appointed Reviewers. The feedback from the PO and Reviewers was very positive and all project deliverables and milestones achieved until month 12 have been accepted. All the public deliverables that have been accepted are available via the ASSISTANCE website (<https://assistance-project.eu/dissemination/deliverables-and-publications/>) .

Despite the complications related to the pandemic the whole consortium managed to keep their works ongoing and delivering the majority of results according to the original schedule, although it required a lot of re-organisational effort to transfer into a remote mode of working in many partner institutions. Only two technical deliverables (in WP4) had to be postponed by a few months, as the pandemic affected various suppliers businesses around Europe and some hardware components for ASSISTANCE robotic subsystems had delays in delivery.

The consortium meetings were held in an online format, both as plenary sessions and on the level of work packages and tasks, in order to maintain good communication between the partners and ensure smooth coordination of all the works.

Overall, ASSISTANCE Year 2 has brought **accomplishment of five project milestones**:

- the project SAS has been developed and it is ready for testing (MS3)
- all unmanned platforms have been integrated in the system and the data from their sensors is available (MS4)
- all the communication means for performing the project pilots demonstrations are ready for being used (MS5)
- the project training network has been set up and it is ready for being tested and used during the project pilots (MS6)
- the project advanced SA platform has been developed and it is ready for testing (MS7).

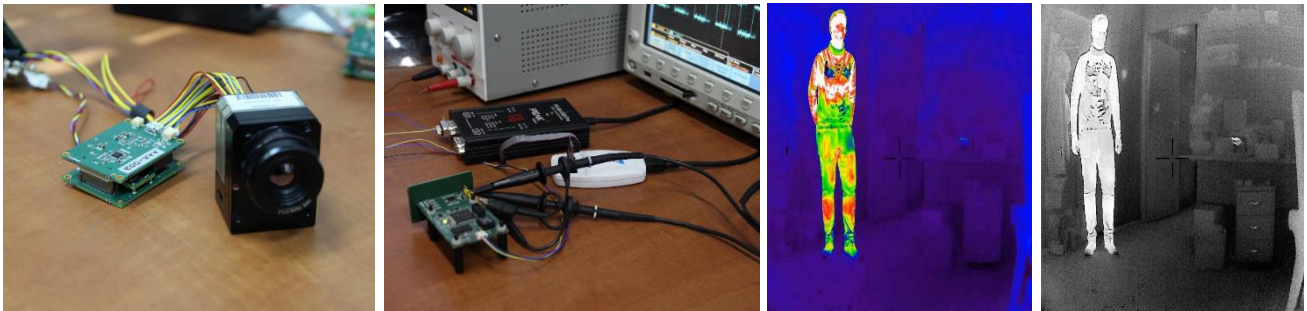


+ Work in progress

ASSISTANCE is currently at the end of its integration phase where all developed modules will be integrated in the whole ASSISTANCE Situation Awareness platform (SAP). The main modules already integrated are:

Sensors mounted on drones and robots: different kind of sensors have been integrated in the SAP, like e.g. **thermal camera** and **EMF** sensor prepared by the ŁUKASIEWICZ – PIAP team for the ground robot or the **gas sensor** integrated by FADA-CATEC on the drone.

FADA-CATEC also develops **swarm capability for ad-hoc network coverage** and **GCS adaptation** to the ASSISTANCE system.

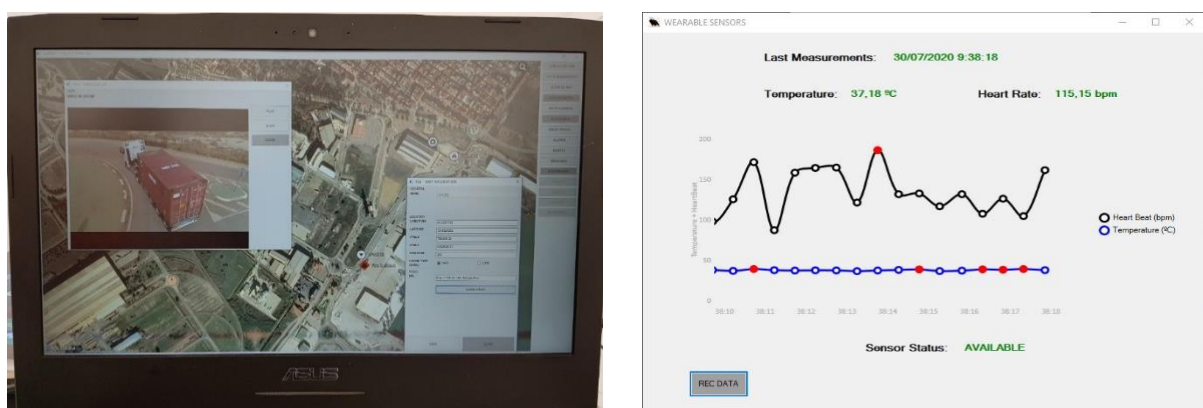


Development of the thermal camera for the ground robot subsystem



Integration and testing of the gas sensor and development of swarm capability for ad-hoc network coverage and GCS adaptation

Wearable sensors: several wearable sensors (e.g. cameras, vital signs, GPS) have also been integrated in the SAP.



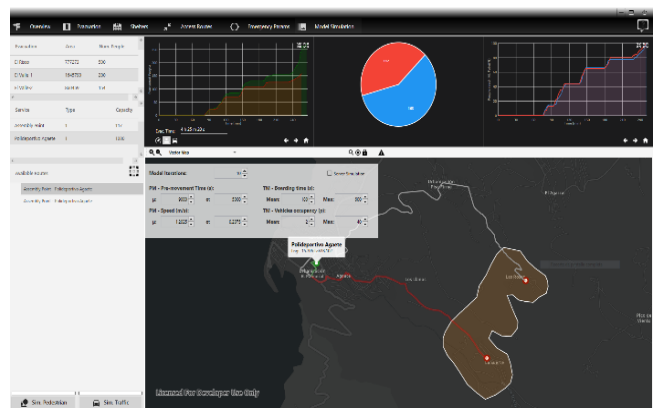
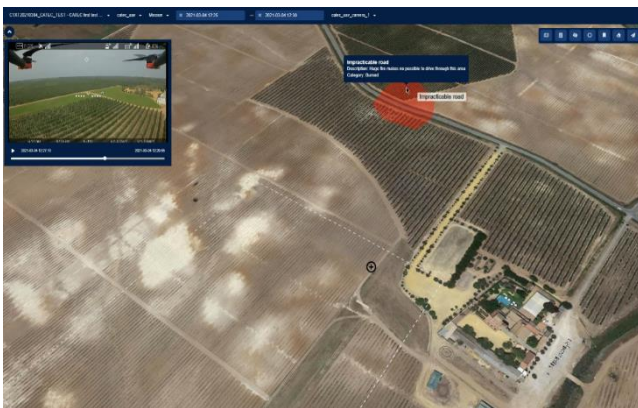
Real time video from a drone and vital signs information integrated in the SAP

Additionally, other modules of the SAP are developed and integrated: **CBRN module** and an **advanced video fusion module**.

ETRA team develops the **Damaged Assets Location & Routing solution** – innovative software developed enabling: dynamic processing and storage of real-time video streams from UAVs and support the detection of damaged areas affecting the emergency management. Another module linked with the solution is the **Evacuation Management** – decision making support software which provides comprehensive disaster evacuation plans for First Responders – developed by Gidai group at Universidad de Cantabria.



CBRN module and advanced video fusion module



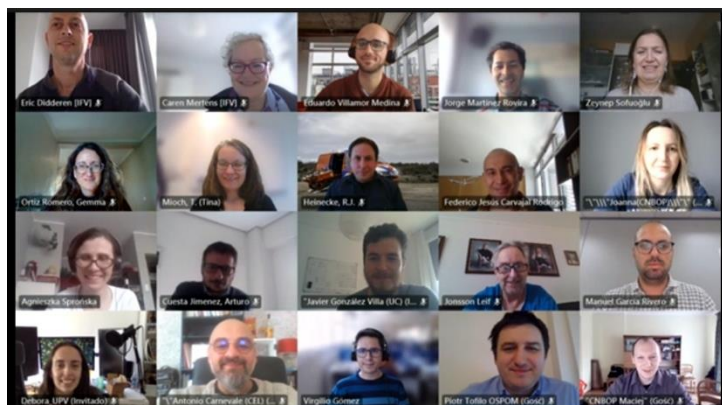
Damaged Assets Location & Routing solution and Evacuation Management software

+ *ASSISTANCE second Review Meeting*

The second ASSISTANCE Review Meeting was held on 25th March 2021 in an online format. All the progress and achievements of the reporting period (until month 21) have been presented to the Project Officer and appointed Reviewers.

To better illustrate the results, all the partners responsible for core activities and developments have prepared videos, which will be published soon via the [ASSISTANCE YouTube channel](#).

The assessment of the project execution was positive and all project deliverables and milestones achieved in the period have been accepted.

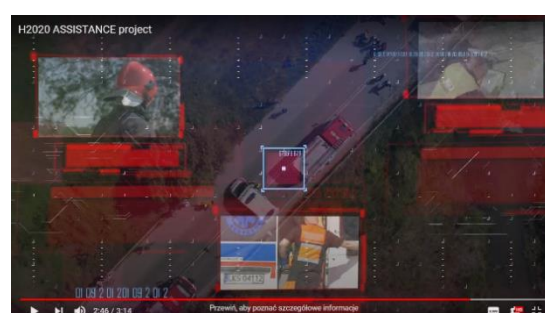
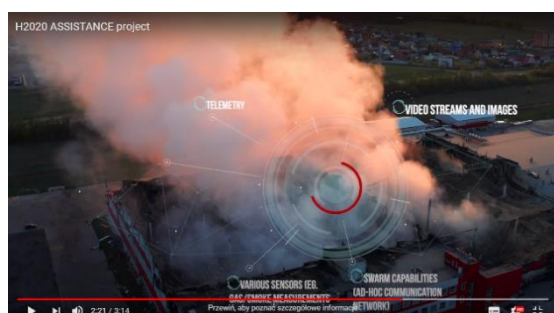
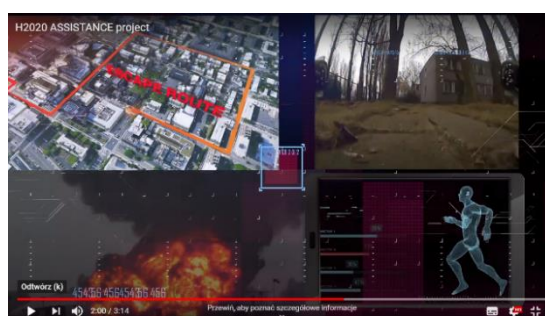


Snapshot from the ASSISTANCE 2nd Review Meeting

+ *Dissemination and clustering activities*

Despite the fact SARS-COV-19 outbreak had heavily affected some of the already planned dissemination activities (a lot of events had been cancelled or postponed) all the ASSISTANCE partners have kept devoting efforts to continue the dissemination activities in these new circumstances, refocusing and seeking opportunities in the other types of communication and e.g. online events or preparation of research publications.

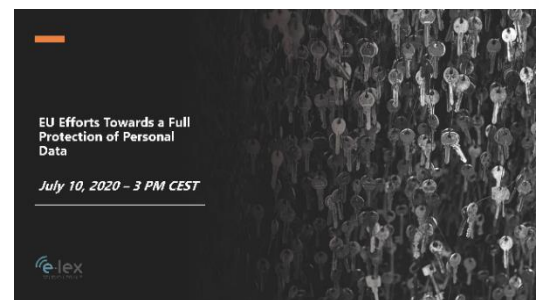
Just at the beginning of the ASSISTANCE Year 2 a dissemination video explaining project objectives and goals has been produced by ŁUKASIEWICZ-PIAP, as the dissemination task leader. The dissemination video has been published via the project [YouTube channel](#) and since its publication at the beginning of July 2020 it has reached over 670 views.



Stills from the ASSISTANCE Dissemination movie

On the 10th July ASSISTANCE has been presented to a wide audience at the EU Efforts Towards a Full Protection of Personal Data seminar organised in an online format and led by Giovanni Maria Riccio (E-LEX).

ASSISTANCE has been presented and discussed along with two other H2020 projects PoSelD-on (Protection and control of Secured Information by means of a privacy enhanced Dashboard) and DEFENDER (Defending the European Energy Infrastructures).



Digital invitation to the seminar

Projects solutions related to data protection were discussed with Luigi Montuori from the Italian Data Protection National Authority (Garante della Privacy) and Daniel-Mihail Sandru from the Bucarest University.

On 15-17 September 2020 ASSISTANCE has been presented in two sessions at the 15th meeting of the European Commission's Community of Users on Secure, Safe and Resilient Societies, organised in an online format- on the 15th September in the DRS - Natural Hazards session and on the 17th September at in the DRS - CBRN session.



Experiments during ERIA

Even though many events have been cancelled, postponed or transformed online, there were still a few that took place in a traditional, physical form.

On 8th September 2020 RISE has attended the Early Response Innovation Arena (ERIA) workshop (Fig. 13 and 14) organised by the Swedish Civil Contingencies Agency (MSB) and presented ASSISTANCE to a variety of stakeholders (end-users, academia, innovator and insurance company). ERIA was focused on series of in field experiments on how the rescue service can handle an electric car that is burning in a parking garage. For three days, innovative methods have been tested, new research was presented and problems around electric car fires were discussed.

At the end of September and beginning of October 2020 the 2020 edition of the S-Moving event has been held in Malaga, Spain combined with the Greencities event.

In total, the events have brought together 1,560 professional visitors around a wide range of services and tools for a more advanced management model and for the improvement of public services.

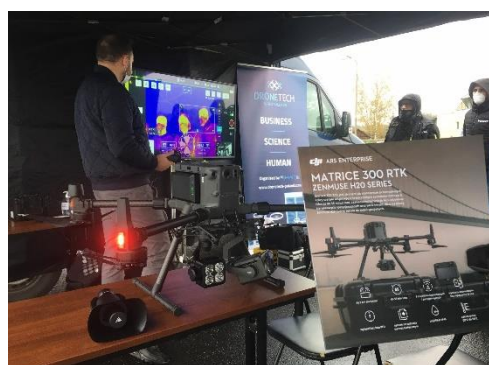
ASSISTANCE was represented by FADA-CATEC that had a stand at the event and distributed the project leaflets.



FADA-CATEC at S-moving 2020

Some events were organised in a hybrid format – mostly online with some accompanying physical components, like the 5th DroneTech World Meeting 2020, which was held on 6-7 November 2020. The event, co-organised by one of the ASSISTANCE project partners – CNBOP-PIB, is the largest event in Poland devoted to drones, autonomous and unmanned vehicles, cosmonautics, artificial intelligence and all new technologies related to the development of a smart metropolis of the 21st century. The last year's edition encompassed three blocks of activities:

- a scientific and business conference allowing to get to know the perspective of unmanned vehicles and systems from the perspective of various environments and organizations, from a technical, legal and social perspective,
- B2B networking activities via one online platform with the opportunity to meet representatives of companies, institutions, organizations creating, developing or seeking new technologies,
- UAV tests carried out imitating real crisis situations in various terrain conditions in cooperation with first responders and suppliers of various unmanned aerial vehicles and software.



UAV tests at the 5th DroneTech World Meeting 2020

In addition to the general dissemination and communication activities, ASSISTANCE partners have a strong focus on liaison with related research initiatives, in particular the on-going and newly launched H2020 projects.

A [dedicated subpage](#) of the project webpage has been devoted to the projects that are in continuous collaboration with ASSISTANCE towards exchange of the experiences and knowledge. These collaborations involve i.a. mutual attendance at various project meetings or workshops.



In the course of these activities, ASSISTANCE was presented along its sibling projects of the H2020-DRS-02 topic at the [Clustering Webinar on New Technologies for First Responders](#) organised by the [Public Safety Communications Europe Forum \(PSCE\)](#). 7 DRS-02 projects were presented in the webinar: Search&Rescue, CURSOR, ASSISTANCE, RespondDrone, SIXTHSENSE, RESPOND-A and INGENIOUS.

The objective of the webinar was to allow the projects to get to know other project better and to discuss on the topic of end-user requirements (process used/challenges encountered/preliminary findings). Around 120 partners from the involved consortia have registered to the event.

The goal of the clustering activities is to foster the collaboration among the projects to find synergies and exchange experiences, which would ultimately result in producing a White Paper on the topic. ASSISTANCE was presented by Dr. Federico Carvajal Rodrigo (UPVLC) and attended by many partners (ŁUKASIEWICZ-PIAP, CEL, CNBOP-PIB, AAHD, SBFF).

The webinar was a closed event but its results are publicly available, recording of the event can be found at: <https://youtu.be/L9UkLgUUp8>



+ ASSISTANCE Users Community

One of the goals for the ASSISTANCE consortium is to establish a **broad dialogue with the end-users on the solutions proposed in the project and collect input on expectations as well as feedback on the results**. We are aiming to build a large community around the ASSISTANCE project that will encompass various end-users and stakeholders interested in **being informed on the progress of the project, its conclusions and results as well as in active engagement and support for different project activities**.

For that reason the **End User Group** has been established and is **coordinated by our end-user partner AAHD** under a dedicated project task.

The committed members of the Group may support and influence the project providing **inputs on end-user needs, gaps and existing practices, participating in workshops, field exercises and demonstrations to provide feedback** and contribution to **dissemination of the project and their results via available communication channels** to create large awareness, which is paramount to preparing the future acceptance and uptake of project results.

If you would like to join ASSISTANCE User Community and become a member of the End User Group please fill in the Letter of Intent available under this [link](#) and send to fecarro@upvnet.upv.es.



+ Contact

You can find us at: + www.assistance-project.eu

 [/ASSISTANCEh2020](https://twitter.com/ASSISTANCEh2020)

 [/assistance-project](https://www.linkedin.com/company/assistance-project)

Contact us: + contact@assistance-project.eu



assistance

+ H2020 call	H2020-SU-DRS02-2018-2019-2020 (Technologies for first responders)
+ Timeline	01/05/2019 – 30/04/2022 (36 months)
+ Budget	6 393 691.25 Euro
+ Coordinator	Universitat Politècnica de Valencia
+ Countries	8
+ Partners	19



PARTNERS



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PIAP



Instituut
Fysieke
Veiligheid



UNIVERSIDAD
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gezamenlijke brandweer



CyberEthicsLab.

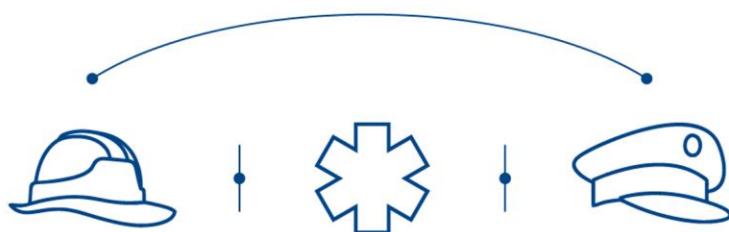


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 832576.



NEWSLETTER

JULY 2022



assistance

Adapted Situation Awareness tools and tailored training scenarios for increasing capabilities and enhancing the protection of First Responders

www.assistance-project.eu

Contents:

- + Final year summary and accomplishment of project milestones
- + ASSISTANCE Pilot Demonstrations
- + Dissemination and clustering activities
- + Work in progress
- + ASSISTANCE User Community
- + Contact

Dear Reader,

Welcome to the third and final issue of the ASSISTANCE Newsletter. We are pleased to present you an overview of our progress and achievements after the last year of the project execution.

It was again a very challenging year, as the COVID-19 pandemic persisted and remained the main theme throughout our daily life, still affecting many aspects of it. In ASSISTANCE, we've also decided to reorganise our planning, so we have extended the project by three months and postponed some activities with the hope they can be organised in a most relevant format – live on field. Thus, despite the limitations resulting from the pandemic, ASSISTANCE teams managed to keep the work progressing with all the results delivered successfully, including our three live pilot demonstrations, which were organised in Turkey, the Netherlands and Spain within the last six months – you can find the insights to all three events in the **ASSISTANCE Pilot Demonstrations** section.

ASSISTANCE project is at its final stage with the last works being completed until the end of this month. After a well-earned summer vacation, all the ASSISTANCE teams will meet once more virtually at the Final Review Meeting in September, proudly presenting our results and achievements to the Project Officer and appointed Reviewers, hoping to receive their positive feedback and acceptance.

We would like to thank you for following us throughout the project and invite to stay tuned for longer, as we plan to feed our communication channels (website, social media) with relevant updates and publications, as we'll seek opportunities to exploit the project outcomes as wide as possible.

Stay healthy and hopefully see you soon!

ASSISTANCE Consortium



+ Final year summary and accomplishment of project milestones

ASSISTANCE has entered its final year of execution in May 2021, when the SARS-COV-2 pandemic was still the main theme in all the News. Even though the vaccination programmes have started in majority of countries around the world, new waves have been expected to come with the Autumn/Winter period.

Being aware of the possible constraints this will bring to the project activities – especially with respect to organisation of events – the ASSISTANCE consortium have decided to agree with the European Commission on a project timeline extension of three months.

The main motivation for this decision was to allow the rescheduling of the project pilot demonstrations, which were originally planned to be performed in September 2021, November 2021 and January 2022.

The joint decision was taken during a dedicated plenary meeting (in a teleconference format) in June 2021, followed by the Grant Agreement amendment process, which formalised the overall extension of the project (until the end of July 2022) along with rescheduling of several project deliverables, in particular the ones related to the project pilot demonstrations – replanned to January, March and June 2022.

Despite these changes all partners kept their works ongoing and delivering the majority of results according to the original schedule. The consortium meetings were still held in an online format (the first occasion for the partners to meet in person after 2 years was the first project pilot event in Turkey), both as plenary sessions and on the level of work packages and tasks, in order to maintain good communication between the partners and ensure smooth coordination of all the works.

Many other activities were performed fully in an online format, such as live remote technical integration sessions, surveys for end-users or workshops/webinars, but - whenever possible - some were also performed as local events.

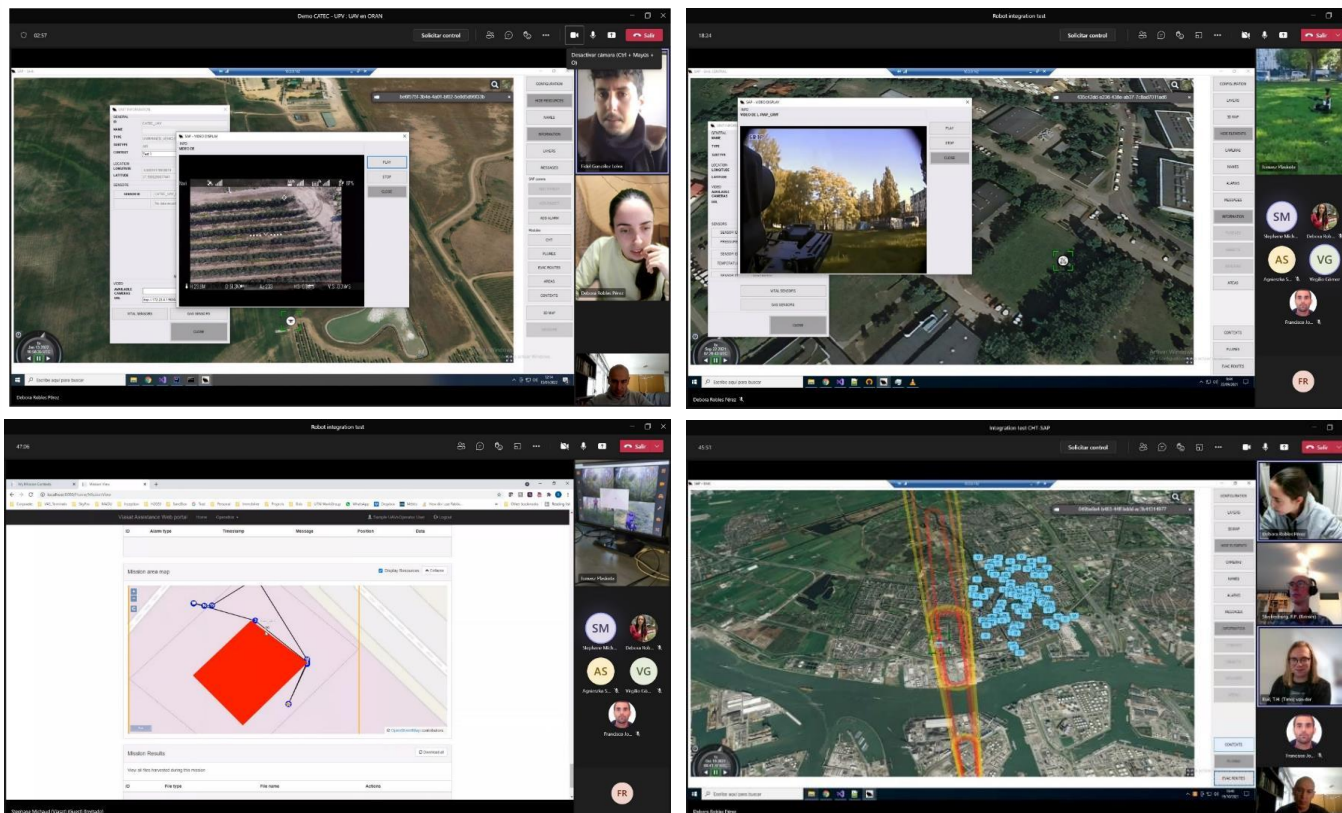


+ Online integration and testing sessions

In preparation for the project pilot demonstrations UPVLVC, as the coordinator and partner responsible for the SAP development, had performed several online integration tests in order to ensure the proper integration of all ASSISTANCE tools into the SAP:

- † FRs Location module integration tests (UPV <-> TNO)
- † Drone integration tests (UPV <-> FADA-CATEC)
- † Robot integration test (UPV <-> Łukasiewicz-PIAP <-> VIASAT <-> THALES)
- † Chemical Hazard Tool integration test (UPV <-> TNO)

In addition, other partners have also conducted bilateral online integration sessions, such as integration tests of the Damage Assets Location and Routing module or the Evacuation Management module between ETRA and UC.



ASSISTANCE online integration and testing sessions – UAV, UGV and CHT module

+ Survey on Past Experiences of First Responders

A survey on past experiences of First Responders has been developed within works in WP8, seeking contribution from different First Responders both in the ASSISTANCE consortium and beyond. The information on the survey has been disseminated via the project communication channels (website, social media) inviting all types of First Responders (Firefighters, Police, EMS and Civil Protection) to fill it in and provide valuable feedback. Over 130 responses have been collected and the results helped the ASSISTANCE WP8 team to learn more about psychological differences/similarities in male and female First Responders. The summary and conclusions from the survey results have been included in deliverable D8.6.

+ ASSISTANCE and aqua3s Standardisation Activities Workshop

On 18th November 2021 ASSISTANCE with H2020 aqua3s project co-hosted an online workshop/webinar on standardisation activities for disaster-resilient society (DRS) and critical infrastructure protection (CIP) projects. Invitation to the workshop has been disseminated via the project communication channels (website, social media).

The goal of the workshop to give the attendees a basic understanding of standards, the standardisation process, and how standards can benefit their projects and to briefly present resources available and lessons learned to help projects fulfil their standardisation needs. Available supporting resources and lessons from the standards activities of other projects were also presented.

The workshop/webinar was supported by presentations from representatives of:

- † CEN/CENELEC,
- † Directorate General for Migration & Home Affairs (DG-HOME),
- † Finnish Standards Association (SFS),
- † European Reference Network for Critical Infrastructure Protection (ERNICIP),
- † CEN TC 164
- † Deutsches Institut für Normung (DIN),
- † DRIVER+ project,
- † CURSOR project
- † STRATEGY project

The workshop was divided into two sessions: a public introductory educational session and, afterward, a private session for the ASSISTANCE partners to discuss the standardisation needs for their Key Exploitable Results (KERs) and begin to formulate a plan on how to fulfil them.

Altogether, 44 people participated in the workshop and six Cluster 3 projects (ASSISTANCE, aqua3S, CURSOR, FASTER, PRAETORIAN, and STRATEGY) were represented. The standardisation activities workshop focus group was attended by all the ASSISTANCE KERs owners and half of the First Responders partners.

The summary and conclusions from the workshop will be included in deliverable D9.6.



+ Local integration workshops

Despite the constraints for non-virtual meetings related to the SARS-COV-2 pandemic, active interaction between the ASSISTANCE partners has been kept as intensive as possible, even if it had to be limited to a local level. One of the examples were the integration workshops in Poland held between Łukasiewicz-PIAP, OSPOM and CNBOP-PIB.

The first one served to acquaint **the end-users** with the capabilities of the UGV delivered by Łukasiewicz-PIAP and integrated into the ASSISTANCE system as well as to let them assess the **user-friendliness of the UGV HMI**. Though the UGV HMI has not been in a main focus of developments for the ASSISTANCE system (as the UGV missions and sensor data are controlled and distributed via ASSISTANCE SAP HMI), this requirement has been appointed a very high priority ranking by the end-users at the beginning of the project. Therefore, **a specific validation session** has been prepared and performed in form of a training combined with the workshop. Its scope had to be limited by the COVID-19 pandemic-related constraints and only two Polish end-user organisations have taken part – OSPOM and CNBOP-PIB. The workshop has been **organised in the OSPOM premises in Ożarów Mazowiecki in Poland in November 2021**. The validation session has been prepared to comprise a 3 part questionnaire: before the training, after 2 hours of training and after training is finished, however, due to the time and organizational constraints 2 parts of the questionnaire were finally executed – before and after the training.

Analysis of the questionnaire results has confirmed that the overall assessment of the UGV HMI has been **mid to high positive on user friendliness and usability**. As the questionnaires included also some open questions, the end-users participating in the workshop/training have given suggestions on what can be improved or enhanced.

The second workshop was focused on the **integration of additional innovative payload** that could be used on the **UGV** in ASSISTANCE scenarios and beyond – the **CutLanca cutting extinguisher**. The workshop has been held between Łukasiewicz-PIAP and OSPOM in May 2022 in Łukasiewicz-PIAP premises in Warsaw.

The cutting extinguisher provided by OSPOM was mechanically integrated with the Łukasiewicz-PIAP UGV (mounted on the manipulator) and tested in outdoor environment. The mounts were designed in two different sizes to allow both variants of the cutting extinguisher to be used on the UGV. Such configuration of the UGV with the CutLanca device can be considered for many firefighting scenarios, e.g. extinguishing burning car-batteries.



Special validation session/workshop in OSPOM premises



Integration workshop in Łukasiewicz-PIAP premises

Overall, the extended ASSISTANCE Year 3 (up until month 38) has brought **accomplishment of four project milestones**:

- ✚ the privacy, legal and ethical compliance has been performed (MS8)
- ✚ three project pilots have been performed: first (MS8), second (MS10) and third (MS11)

as well as delivery of 10 deliverables:

†	D7.1	Validation Plan Report
†	D8.5	Report on data protection, privacy & ethical impact
†	D1.5	Risk & Opportunities Register 3
†	D8.6	Best practices Handbook
†	D1.11	Third Cumulative Expenditure Report
†	D7.3	First Pilot Summary Report and System Development
†	D7.2	Integrated System Test bed
†	D7.4	Second Pilot Summary Report and System Development
†	D6.4	Training network establishment and pilots' evaluation
†	D7.5	Third Pilot Summary Report and System Development

Four deliverables (D7.1, D8.5, D1.5, D8.6) have a public dissemination level and will be made available via ASSISTANCE project website after being approved by the EC in the final review.



✚ **ASSISTANCE Pilot Demonstrations**

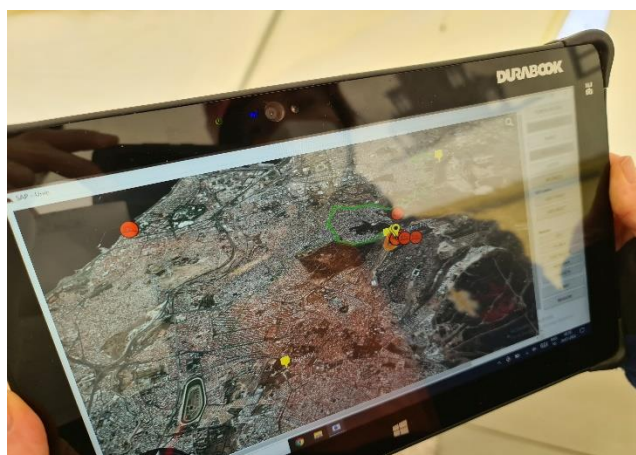
✚ **PILOT DEMONSTRATION 1 – Scenario: Earthquake in an urban environment**

Despite all the constraints related to the ongoing SARS-COV-2 pandemic, in the last week of January 2022, ASSISTANCE first pilot demonstration has been performed in Izmir, Turkey. The event has been organised and hosted by **Acil Ambulans Hekimleri Dernegi (AAHD)** in the Izmir Fire and Natural Disaster Training Centre (IYDEM) and attended by many partners (not all, due to the pandemic situation at the time).

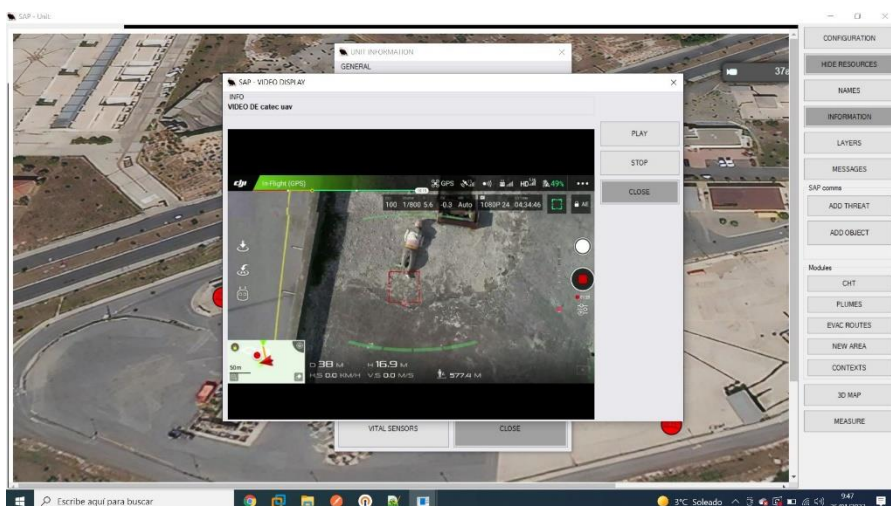
The demonstration session has encompassed five days, starting with technical and organisational preparations and a dry run. The pilot exercise has been performed on 28th January and it has been preceded with the VR training sessions for end-users using the different VR training platforms on the 27th January.

The action of the demonstration was based on an earthquake scenario, that begins after an earthquake with magnitude of 6,2 on the Richter scale with a duration of 45 seconds: *The earthquake, which was felt more intensely by the people living on the sea coastline, caused some buildings to collapse, cracks in some other buildings and many windows broken. The 112 emergency call centre received information that a fire broke out in a warehouse at the harbour and that some buildings near the port collapsed completely.*

The event was performed successfully owing to an excellent organisation by the host and engagement of the participating partners. The ASSISTANCE use cases/capabilities envisaged for the scenario have been deployed and tested during the Pilot 1 demonstration with a positive outcome.



A full gallery of pictures from the event is available at the [ASSISTANCE website](#) and the video documenting the event has been published on the project YouTube channel.



Pilot 1 demonstration in Izmir

✚ PILOT DEMONSTRATION 2 – Scenario: Industrial accident

In the last week of March 2022, ASSISTANCE second pilot demonstration has been performed in Rotterdam, the Netherlands. The event has been organised and hosted by **Gezamenlijke Brandweer (GB)** at the GB RDM training centre and attended by all partners.

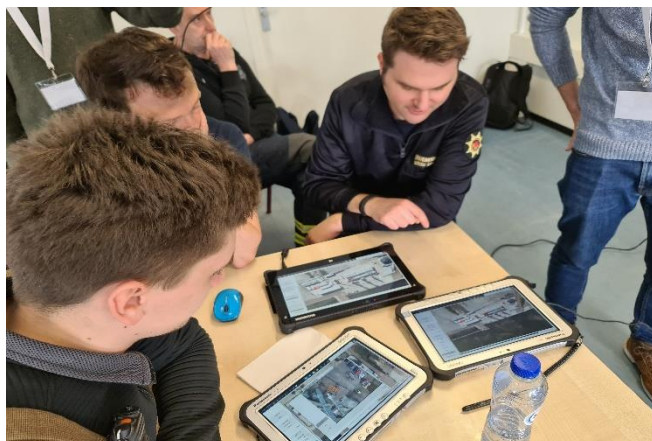
The demonstration session has been originally planned to encompass five days, starting with non-technical exercises of various First Responders and VR training sessions. In parallel the technical team was preparing the ASSISTANCE system for a dry run and final demonstration that was to be incorporated into the practitioners' field exercise. As the weather forecast has predicted snow over Rotterdam for the last day, all the activities were re-planned to be performed in four days and the dry-run day was the day of the actual demonstration.

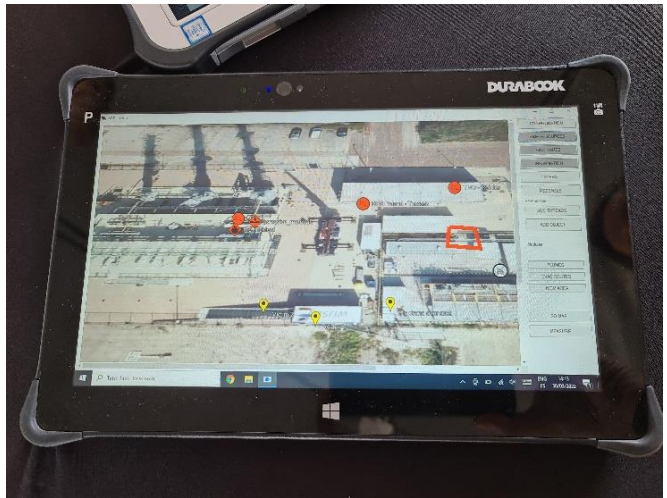
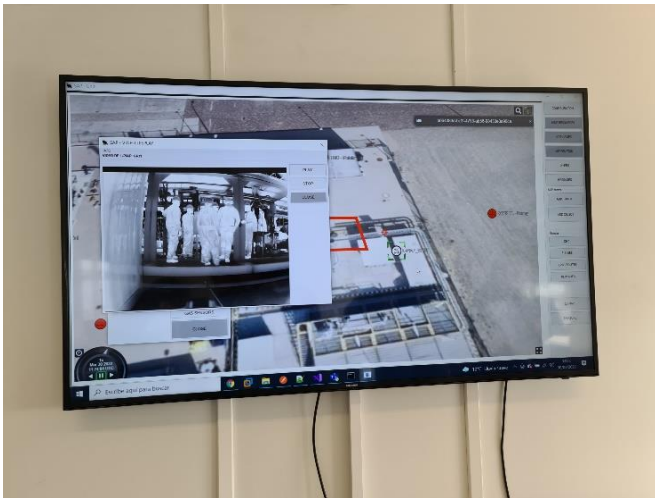
Owing to a great organisation by the host and dedication of the participating partners, the event was performed successfully, even though the weather conditions have forced the ASSISTANCE team to finish the event one day earlier.

Overall, the Pilot 2 exercise has been performed from 28th March until 30th March 2022.

The action of the demonstration was based on an industrial accident scenario, that begins with an incident on a petrochemical area of 5,3 km² and a little fire in a transformer: *A big flash is coming outside the transformer. Everything is suddenly dark, Emergency Shutdown (ESD) is operational. The Flair is working and big flames about 50 till 60 meters are on top of the Flair. There is a lot of black smoke. In addition, a leakage of the gas SF₆ (Sulphur hexafluoride) is suspected, which decomposes in the highly dangerous gases SO₂ (Sulphur dioxide) and HF (Hydrogen fluoride).*

The ASSISTANCE use cases/capabilities envisaged for the scenario have been deployed and validated during the Pilot 2 demonstration with a positive outcome.





Pilot 2 demonstration in Rotterdam

A full gallery of pictures is available at the [ASSISTANCE website](#) and the video documenting the event has been published on the project YouTube channel.



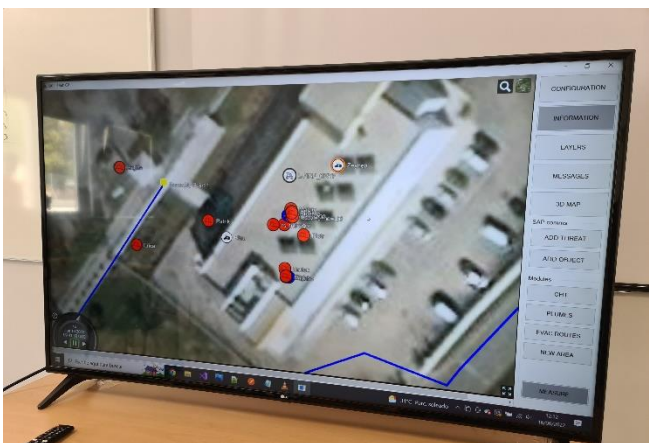
+ PILOT DEMONSTRATION 3 – Scenario: Terrorist attack

ASSISTANCE Final Pilot Demonstration was held on Friday, 17 June 2022 and it was **hosted by Ministerio del Interior – Policia Nacional** at the 'La Enira' Police training site near Linares in Spain. The event has been organised by **FADA-CATEC** in cooperation with **UPVLC** and attended by all partners.

The whole demonstration session has encompassed five days, starting with technical and organisational preparations, VR training sessions for end-users and a dry run on the day before the final event.

Despite the extreme weather conditions in Linares (outdoor temperature over 41°C), the event was performed successfully and the ASSISTANCE technologies have been validated in a terrorist attack scenario. All the tools and components with the capabilities they offer to the First Responders have been demonstrated and the ASSISTANCE system has been tested and evaluated by the practitioners.

Additionally, **ETRA** led an exploitation event during the Final Pilot Demonstration, attended by several FR organisations interested in ASSISTANCE solutions, including Valencian Local Police (also representing the RESPOND-A project) and SSG group – the largest ambulance service in Spain.



Pilot 3 - Final demonstration in Linares

A full gallery of pictures is available at the [ASSISTANCE website](#) and the video documenting the event will soon be published on the project YouTube channel.

+ *Work in progress*

As the ASSISTANCE project consortium prepares for the project to end this month, some final works are still ongoing. Five deliverables are currently in development, to be submitted by 31 July 2022:

†	D1.8	Final Annual Management Report
†	D7.6	Evaluation Report
†	D8.7	Human Factor impact assessment
†	D9.5	Final Dissemination Report
†	D9.6	PCP and PPI preparation Plan for Commercialisation and Market Entry

Once approved by the EC during the Final Review Meeting (in planning for September 2022) all deliverables will be published via the project website and [ASSISTANCE Community](#) on Zenodo platform.



+ *Dissemination and clustering activities*

As the SARS-COV-19 pandemic persisted, majority of the dissemination activities planned by the ASSISTANCE team were affected and a lot of events have been postponed or cancelled, such as the **Security Research Event 2022**, where the project was to be presented in a dedicated booth and via live demonstrations of the UGV and SAP.

Despite these limitations, all the ASSISTANCE partners have kept devoting efforts to continue the dissemination activities, seeking opportunities in the other types of communication and e.g. online events, research publications or press/media releases.



+ ASSISTANCE community on Zenodo Platform

As part of the activities to ensure **Open Access** of publications and data resulting from the project, ASSISTANCE partner ETRA has created the [ASSISTANCE community](#) on Zenodo platform, where all the project dissemination materials can be found (public deliverables, conference papers, posters, journal articles, magazine articles, brochures, etc.).

Zenodo is a general-purpose open-access repository developed under the European OpenAIRE program and operated by CERN. It allows researchers to deposit research papers, data sets, research software, reports, and any other research related digital artifacts. The OpenAIRE project, in the vanguard of the open access and open data movements in Europe was commissioned by the EC to support their nascent Open Data policy by providing a catch-all repository for EC funded research.



+ Publication of videos

The second ASSISTANCE Review Meeting was held in a virtual format on 25th March 2021. To better illustrate the results, all the partners responsible for core activities and developments have prepared videos, which have been published via the [ASSISTANCE YouTube channel](#).

The videos show different components of the ASSISTANCE system:

- † [ASSISTANCE Situational Awareness Platform \(SAP\)](#) and its [mobile version](#) by UPV
- † [Mission Management Module](#) by VIASAT
- † [UAV with a gas sensor integrated into the system](#) by FADA-CATEC
- † [UGV executing autonomous mission](#) by Łukasiewicz-PIAP
- † [Augmented Video Fusion](#) by UPV
- † [Chemical Hazard Tool](#) by TNO
- † [Evacuation Management Suite](#) by UC

and the VR training platforms being part of the ASSISTANCE training network:

- † [UPV VR training platform](#)
- † [ADMS Virtual Reality](#) by IFV

Additionally, videos documenting the project pilot demonstrations have been prepared and published on the YouTube channel:

- † [ASSISTANCE Project Pilot 1 – Earthquake in urban environment scenario – Izmir, Jan 2022](#)
- † [ASSISTANCE Project Pilot 2 – Industrial accident scenario – Rotterdam, March-April 2022](#)



† Open Access publications

As the project research activities progressed and the COVID-19 pandemic affected many of stationary dissemination activities, ASSISTANCE partners have increased efforts to produce publishable materials that could be disseminated via tools available in an online format, including research papers that have been submitted to various conferences or journals (including Open Access):

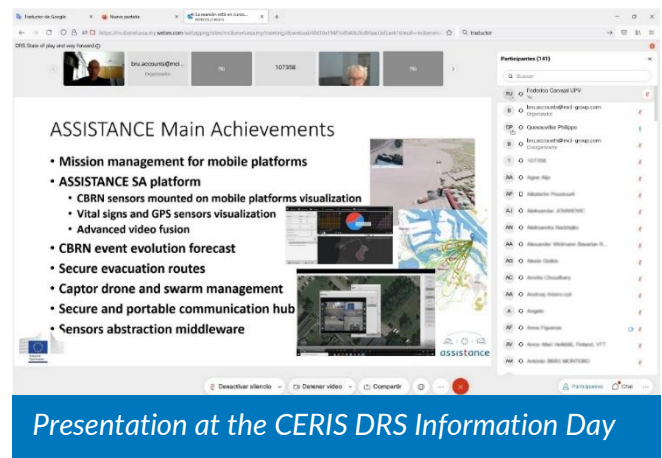
- † Latosinski F., Cuesta A., Alvear D., **Assessing self-preservation capabilities in toddlers during evacuations**, in: Safety Science (Volume 132, December 2020, 104983)
- † Mioch T., Sterkenburg R., Beuker T., Neerincx M.A., **Actionable Situation Awareness: Supporting Team Decisions in Hazardous Situations**, in: Proceedings of the 18th ISCRAM Conference– Blacksburg, VA, USA, May 2021, 62-70
- † Janik P., Zawistowski M., Fellner R., Zawistowski G. **Unmanned Aircraft Systems Risk Assessment Based on SORA for First Responders and Disaster Management**, in Applied Sciences (Appl. Sci. 2021, 11(12), 5364)
- † Zawistowski M., Fellner R., Sadowski P., **Airspace and Possible Usage of New Technologies during Mitigation of Large Disaster on the Example of the Assistance Project. Overview.**, in: Revista Europea de Derecho de la Navegación Marítima y Aeronáutica: XXXVII pp. 114-128 (NUEVA SERIE, VI)
- † F. González, R. Caballero, F. J. Pérez-Grau and A. Viguria, **Vision-based UAV Detection for Air-to-Air Neutralization**, 2021 IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR), 2021, pp. 236-241
- † Mioch T., Beuker T., Neerincx M.A., **Team Design Patterns for Participatory Development of First Response Human-Agent Teaming**, in: Proceedings of the 4th International Conference on Human Systems Engineering and Design (IHSED2021): Future Trends and Applications, September 23–25, 2021

Another joint paper from UC,CEL and RISE, is currently in publication (**Gender and public perception of disasters: A multiple hazards exploratory study of EU citizens**, journal: Safety). All these publications are available via the [ASSISTANCE project website](#) and in the ASSISTANCE community on Zenodo.

Events

As the standard methods for targeted dissemination like participation in and/or organisation of various events – congresses, workshops, symposia, conferences and exhibition fairs have been still heavily biased by the COVID-19 pandemic, the ASSISTANCE team has increased efforts to use other channels for dissemination available in an online or hybrid format.

One of the examples were the Community of European Research and Innovation for Security (CERIS, former Community of Users) meetings/workshops, that were performed online and ASSISTANCE results were presented by UPVLC at the forum several times, e.g. during the 2nd CERIS-DRS workshop focusing on technologies for first responders (DRS02 projects) in February 2021 or at the DRS Information Day – State of Play and Way Forward, in June 2021.



Some events were also organised in the standard format, like the World ATM Congress 2021 – the world's largest international air traffic management (ATM) exhibition and conference, bringing together the world's leading product developers, experts, stakeholders and air navigation service providers (ANSPs) and providing three days of conference sessions, product demonstrations and launches, contract closures and educational and networking opportunities.

At the end of October 2021 ETRA had a stand in the Expodrónica Pavilion during this event in Madrid and presented ASSISTANCE to the large audience.



ETRA stand and presentation of ASSISTANCE during World ATM Congress 2021

+ Clustering activities

Following the suggestion of the ASSISTANCE Project Officer given at the Review Meeting in March 2021, ASSISTANCE has applied for services of the [Horizon Results Booster \(HRB\)](#).

Horizon Results Booster (HRB) is the initiative by the European Commission which aims to maximise the impact of research projects funded by FP7, H2020 and HE. HRB services are delivered free of charge to eligible projects (closed and ongoing) and provide beneficiaries with tools and methodologies for improved communication, dissemination, exploitation and business strategies.

As a follow-up of activities performed in 2021 (participation in **HRB Module A - Identifying and creating the portfolio of R&I project results**), in February 2022 ASSISTANCE with the group of other security projects (MED1stMR, RESCUER, FASTER, INTREPID, INGENIOUS, RESPOND-A, PathoCERT, SIXTHSENSE) has been invited to participate in **Module B of the HRB service**.

After some initial discussions, the group has been divided into two smaller groups focused around specific themes, in order to facilitate a more targeted and adequate service provision:

- **Group 1: END USER/TARGET GROUP - First Responders (those who go into the field):** MED1stMR, RESCUER, SIXTHSENSE
- **Group 2: END USER/TARGET GROUP - Crisis Management Personnel & General Situational Awareness:** FASTER, INTREPID, INGENIOUS, ASSISTANCE, RESPOND-A, PATHOCERT

Group 2 is led by the INGENIOUS project and the Module B related activities (discussions, projects information collection etc.) are currently in progress. Though service will go beyond the completion of the ASSISTANCE project, Łukasiewicz-PIAP will stay involved and support the activities within the available resources, to disseminate the project results as widely as possible.



+ ASSISTANCE Users Community

One of the goals for the ASSISTANCE consortium was to establish a **broad dialogue with the end-users on the solutions proposed in the project** and collect input on expectations as well as feedback on the results. We have built a large community around the ASSISTANCE project that encompass various end-users and stakeholders interested in being informed on the progress of the project, its conclusions and results as well as in active engagement and support for different project activities.

For that reason the **End User Group** has been established and was **coordinated by our end-user partner AAHD** under a dedicated project task.

The committed members of the Group supported and influenced the project by providing inputs on end-user needs, gaps and existing practices, participating in workshops, field exercises and demonstrations as well as providing feedback and contribution to dissemination of the project and its results.

We would like to thank all the engaged organisations and individuals for supporting us throughout the project and encourage everyone to follow us via our communication channels (website, social media) that will be kept alive with relevant updates and publications, as we'll seek opportunities for new collaborations and exploitation of the project outcomes.



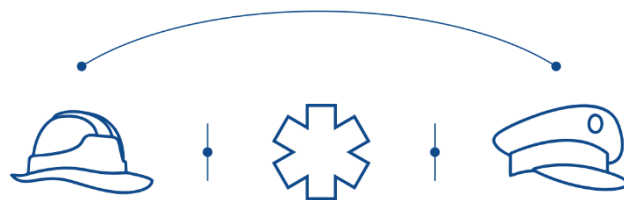
+ Contact

You can find us at: + www.assistance-project.eu

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assistance

+ H2020 call	H2020-SU-DRS02-2018-2019-2020 (Technologies for first responders)
+ Timeline	01/05/2019 – 31/07/2022 (39 months)
+ Budget	6 393 691.25 Euro
+ Coordinator	Universidad Politécnica de Valencia
+ Countries	8
+ Partners	19



PARTNERS



UNIVERSITAT
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DE VALÈNCIA

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THALES

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PIAP



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CyberEthicsLab.



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