

ASSISTANCE

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



European Commission

Project co-funded by the European Union within the Horizon 2020 Programme



Project Ref. N°	ASSISTANCE H2020 - 832576
Start Date / Duration	May 1, 2019 (36 months)
Dissemination Level ¹	PU (Public)
Author / Organisation	Łukasiewicz Research Network – Przemysłowy Instytut Automatyki i Pomiarów PIAP

Deliverable D9.3

Mid-term Dissemination Report

31/10/2020

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.

ASSISTANCE is funded by the Horizon 2020 Programme of the European Commission, in the topic of Critical Infrastructure Protection, grant agreement 832576.

Disclaimer

This document contains material, which is the copyright of certain ASSISTANCE consortium parties, and may not be reproduced or copied without permission.

The information contained in this document is the proprietary confidential information of the ASSISTANCE consortium (including the Commission Services) and may not be disclosed except in accordance with the consortium agreement.

The commercial use of any information contained in this document may require a license from the proprietor of that information.

Neither the project consortium as a whole nor a certain party of the consortium warrant that the information contained in this document is capable of use, nor that use of the information is free from risk, and accepts no liability for loss or damage suffered by any person using this information.

The information in this document is subject to change without notice.

Executive Summary

The purpose of this document is to summarise all the dissemination and communication activities performed by the ASSISTANCE consortium in the first 18 months of the project duration. It has been prepared by the Łukasiewicz Research Network – Przemysłowy Instytut Automatyki i Pomiarów PIAP (ŁUKASIEWICZ-PIAP) basing on the inputs from all project partners.

List of Authors

Organisation	Authors
ŁUKASIEWICZ-PIAP	Agnieszka Sprońska, PIAP Team

Change control datasheet

Version	Changes	Chapters	Pages	Date
0.1	First draft	All	25	16/10/20
0.2	Final draft for internal review	All	30	23/10/20
1.0	Final version	All	30	30/10/20

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	12
2.2.1. Visual identity.....	12
2.2.2. Webpage and social media	13
2.2.3. Leaflet, poster and general project presentation	15
2.2.4. Dissemination video	16
3. Communication & dissemination list	16
4. Communication and dissemination activities M01-M18	17
4.1. Online activities.....	19
4.2. Newsletter1.....	19
4.3. Events organisation/participation.....	20
4.4. Liaison with other projects.....	25
5. Conclusions and further planning	26
6. Appendixes.....	30

List of Figures

Figure 1 ASSISTANCE logo	12
Figure 2 ASSISTANCE external and internal presentation template (opening slides and basic content slide).....	13
Figure 3 ASSISTANCE public website (home page)	14
Figure 4 ASSISTANCE social media profiles	14
Figure 5 ASSISTANCE leaflet (outer and inner pages), poster and roll up	15
Figure 6 ASSISTANCE general presentation (3 first slides)	16
Figure 7 Example stills from the ASSISTANCE Dissemination movie	16
Figure 8 ASSISTANCE Newsletter1 (first two pages)	20
Figure 9 DroneTech WorldMeeting 2019 (CNBOP-BIP's stand and workshop with end-users) .	21
Figure 10 S-moving 2019 event (FADA-CATEC's stand)	21
Figure 11 International Workshop on Data Protection and Security in Emergency Situations (digital invitation and presentations at the workshop)	22
Figure 12 EU Efforts Towards a Full Protection of Personal Data seminar (digital invitation)....	22
Figure 13 Invitation to the Early Response Innovation Arena workshop.....	23
Figure 14 Experiments during the Early Response Innovation Arena.....	24
Figure 15 FADA-CATEC at S-moving 2020 event (FADA-CATEC's stand)	25
Figure 16 ASSISTANCE project presentation during the INGENIOUS project KoM	26

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
GA	Grant Agreement
H2020	Horizon 2020 Programme for Research and Innovation
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
TL	Task Leader
WPL	Work Package Leader
CMS	Content Management System

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 D9.3 is aimed at summarising all the dissemination and communication activities performed by the ASSISTANCE consortium in the first 18 months of the project duration as well as to indicate future prospects for these activities in the next reporting period. The deliverable is closely related to deliverable D9.2 Updated Exploitation and Dissemination plan, which has been submitted in M12.

2. Communication and Dissemination Strategy

ASSISTANCE communication and dissemination strategy has been developed with an aim to maximise the expected impacts of the project, in particular the ones related to creation of new knowledge, methodologies and technological advancements as well as provision of best practices and policy recommendations encompassing 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.

Project results are 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. While having an aim to popularise the project on as wide scale as possible, the ASSISTANCE dissemination activities are focused on specific target groups that are directly concerned by the project results.

The first and the foremost group targeted in the communication and dissemination efforts are the **End-users** – various First Responders organisations, ie. Medical Emergency services, Firefighters, Law Enforcement Agencies, Civil Protection, etc. Their acknowledgement and acceptance of the ASSISTANCE results is the most important factor for project's successful execution and potential adoption of its results. It can also open new channels of positive perception of the project in other environments.

Other important stakeholder groups which need to be kept constantly updated on the project achievements and engaged in different stages of the implementation also via targeted communication and dissemination actions are:

- **Local authorities & national/regional public bodies,**

- **Public security agencies,**
- **Private security companies,**
- **Policy makers, legislative framework creation bodies,**
- **Standardisation bodies.**

Another very important target group is **the scientific/technological professional community**, as the new knowledge gained in ASSISTANCE should not only benefit the consortium partners but also a wider community of experts in the related fields. Therefore, the activities aimed at proliferation of research results generated by the project also among other researchers and engineers working on relevant R&D domains are also undertaken, including submission of research papers to journals and conferences as well as liaison with other security research projects and publication of the deliverables developed as public via the project website.

Finally, one of the very important project stakeholders is the **European society/general public**. It is a responsibility of the researchers, as practitioners, to ensure that the EU community is engaged as widely as possible and constantly informed about investments in security R&D, ongoing research works, project concepts and resulting technologies as well as their benefits to society which can share the decisions about how this technology should fit into European societal and political roadmaps.

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

- **building the ASSISTANCE User Community,**
- **creation of the professional visual identity** for the project,
- **establishment of the project public website and social media accounts,**
- **preparation of the advertising materials** (project leaflet and poster/roll-up),
- **an annual publication of the project newsletter,**
- **release of the project dissemination video,**
- **organisation of/participation in congresses, workshops, symposia, conferences and exhibition fairs,**
- **dialogue with policy makers, stakeholders, citizen's associations,**
- **research papers (including Open Access),**
- **development of training material,**
- **media-related actions (press releases, interviews)** when appropriate.

Summary of activities implementing the communication and dissemination strategy undertaken by the ASSISTANCE consortium in the first 18 months of the project execution is included in the next sub-chapters.

2.1. ASSISTANCE User Community

ASSISTANCE efforts to establish a broad dialogue with End-users that will enable collection of expectations and existing practices as well as opening of many communication and dissemination channels and creation of large awareness are strongly fostered by strong representation of the end-users organisations in the project – there are 7 end user partners in the ASSISTANCE consortium. This process has been further expanded by implementation of **Task 1.3 End Users Group Coordination** coordinated 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, EUROCAE WG-105 on Unmanned Aircraft Systems, etc. Moreover, the end user partners in other H2020 security projects in collaboration with ASSISTANCE are invited and encouraged to join the group. The Letter of Intent for participation in the Group has also been published in the project website along with the general invitation directed to interested stakeholders.

Currently, the End Users Group includes 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

Another Polish end user entity – Police Academy in Szczytno has been invited and expressed initial interest in joining the ASSISTANCE End user Group – currently proceeding the Lol signature through internal procedures.

In addition, AAHD is involved in clustering activities for First Responders organisations from other H2020-SEC-DRS-02 projects:

- ResponDrone – Novel Integrated Solution of Operating a Fleet of Drones with Multiple Synchronized Missions for Disaster Responses’ (DRS-02-2018)
- FASTER – First responder Advanced technologies for Safe and efficient Emergency Response (DRS-02-2018)
- CURSOR – Coordinated Use of miniaturized Robotic equipment and advanced Sensors for search and rescue Operations (DRS-02-2018)

- INGENIOUS – The First Responder (FR) of the Future: a Next Generation Integrated Toolkit (NGIT) for Collaborative Response, increasing protection and augmenting operational capacity’ (DRS-02-2018)
- RESPOND-A – Next-generation equipment tools and mission-critical strategies for First Responders (DRS-02-2019)
- SIXTHSENSE – Smart integrated extreme environment health monitor with sensory feedback for enhanced situation awareness (DRS-02-2019)
- INTREPID – Intelligent Toolkit for Reconnaissance and assessment in Perilous Incidents (DRS-02-2019)
- PathoCERT – Pathogen Contamination Emergency Response Technologies (DRS-02-2019)
- 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 (DRS-02-2019)

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 materials has been developed and made available to all partners as well as publicly (online). An overview of these materials is included in the following sub-chapters.

2.2.1. Visual identity

ASSISTANCE visual identity has been developed by the Task 9.2 leader using professional graphic design services. Its primary element is the project logo (Fig. 1) that has been chosen to symbolically reflect the main project purpose/motivation: **to help and protect different kinds of first responders that work together** (during the mitigation of large disasters). The design patterns and colour scheme of the logo was the reference for other graphic elements used for dissemination materials (e.g. external/internal presentation template, Fig. 2) and it was aligned with the selected design/template of the project website.



Figure 1 ASSISTANCE logo



Figure 2 ASSISTANCE external and internal presentation template (opening slides and basic content slide)

2.2.2. Webpage and social media

[ASSISTANCE project public website](#) has been launched in M03 and it is described in detail in deliverable D9.1. It includes general information about the project, its partners, progress and the crucial project results and achievements, including all the public deliverables, project-related publications, brochures, presentations and any other material, which may be generally distributed (Fig. 3). The structure and content of the webpage is constantly updated to adjust to evolving dissemination activities, e.g. recently one of the project website sub-pages has been devoted to the H2020 security projects that ASSISTANCE is collaborating with. In addition, project social media accounts have been launched ([Twitter](#), [LinkedIn](#)) and are administered by the Task 9.2 Leader (basing on inputs from all partners) that include updates about the most important news and events related to the project (Fig. 4).

D9.3 Mid-term Dissemination Report

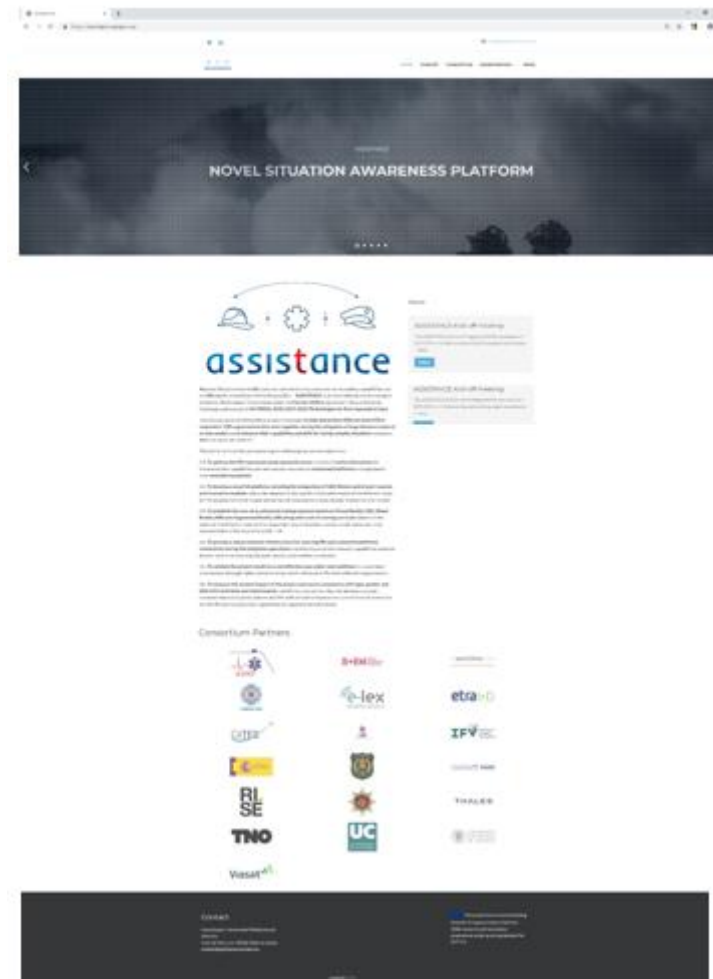


Figure 3 ASSISTANCE public website (home page)

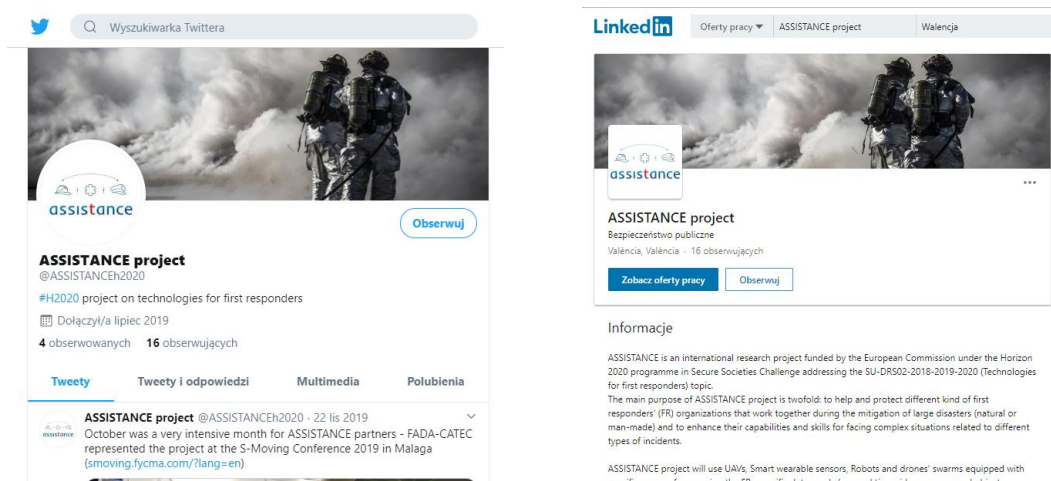


Figure 4 ASSISTANCE social media profiles

2.2.3. Leaflet, poster and general project presentation

In order to support communication and dissemination efforts of all partners, advertising materials of a high quality and in a standardised format have been prepared (Fig. 5), i.e. project leaflet, poster, roll-up (including versions for self-print and professional print outs) to be distributed/used at meetings and events as well as the general project presentation (Fig. 6 and attached as Appendix 1) that contains the main facts and figures about the project and explains its main objectives and assumptions. It can be used by all partners to prepare individual presentations for different occasions. The print-out versions of the leaflet and roll-up are available at the Task 9.2 Leader premises (to be sent by courier) – the leaflets have been prepared to be distributed in a number of copies to each partner, but the SARS-COV-19 outbreak at the beginning of 2020 has disturbed and suspended the dispatch.

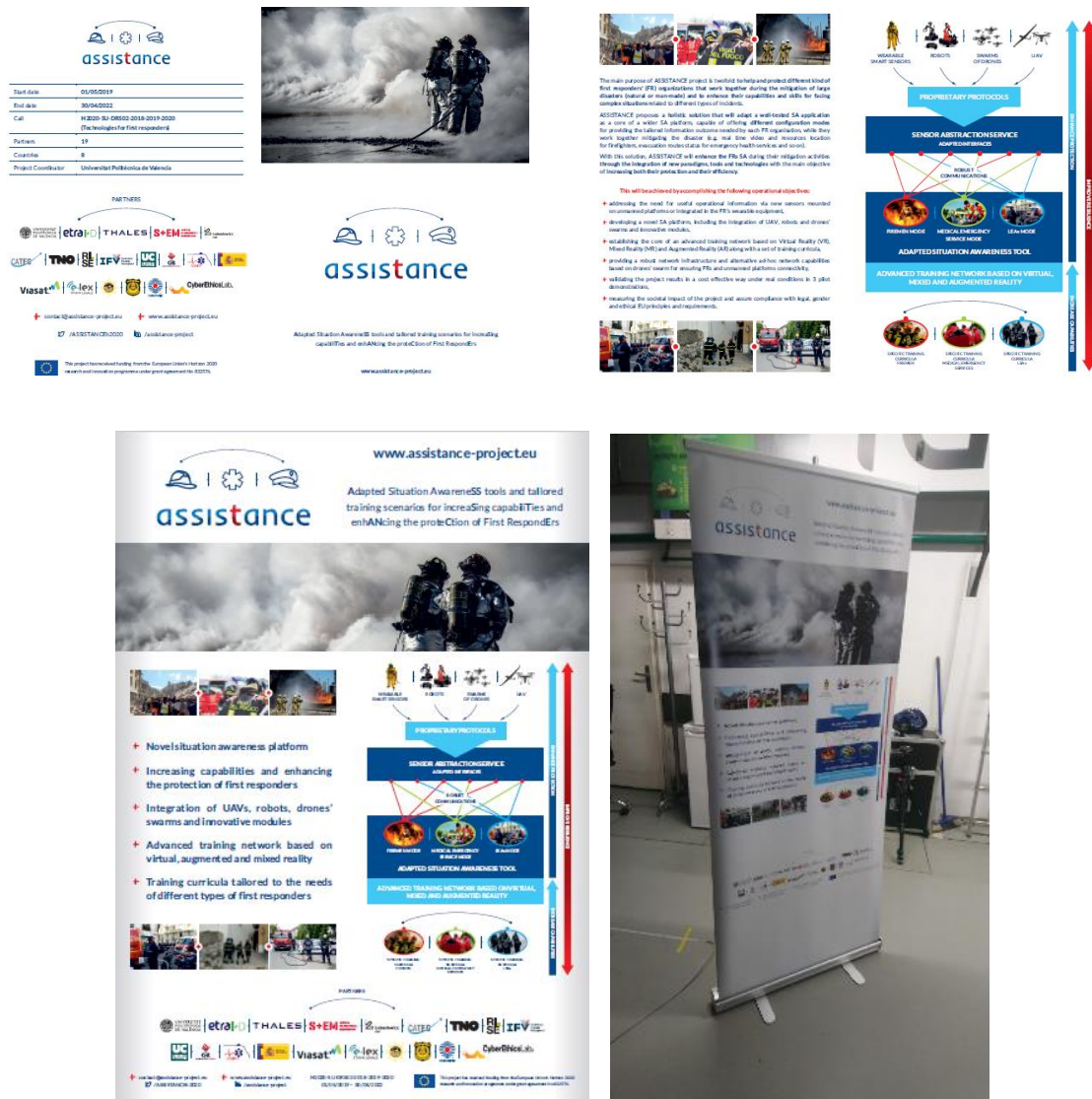


Figure 5 ASSISTANCE leaflet (outer and inner pages), poster and roll up

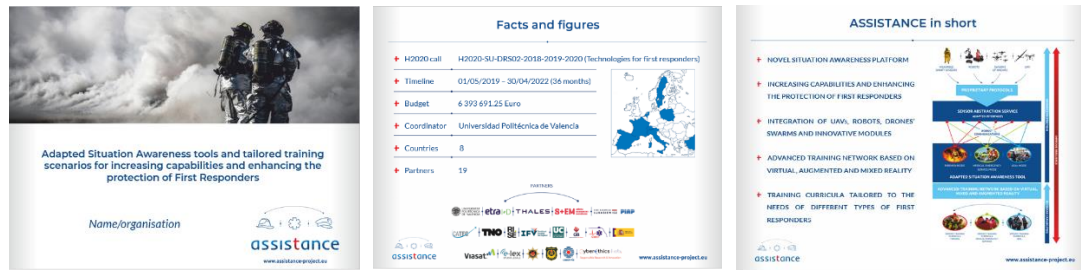


Figure 6 ASSISTANCE general presentation (3 first slides)

2.2.4. Dissemination video

To illustrate the scientific and practical benefits resulting straight from the outcomes of the project and enhance the attractiveness of the message a dissemination video explaining project objectives and goals has been prepared by the Task 9.2 leader using professional movies production services. The dissemination video has been provided in various digital formats (MP4, AVI, MOV, MPEG, WMV) and published via the [YouTube platform](#) (example stills in Fig. 7). Since its publication at the beginning of July 2020 it has reached 570 views.



Figure 7 Example stills from the ASSISTANCE Dissemination movie

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 proposed, 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) are collected. This Communication & dissemination activities collector sheet is 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 covers 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).
- 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 current list is attached as Appendix 2 to the deliverable. The overview summary of activities reported by ASSISTANCE consortium in the first 18 months of project execution is provided in the next chapter.

4. Communication and dissemination activities

M01-M18

In the period from May 2019 to October 2020 the ASSISTANCE consortium has performed almost a 100 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 the SARS-COV-19 outbreak has heavily affected some of the already planned activities (events cancelled or postponed). Therefore, the below summary of activities has not changed significantly from the last summary as described in the respective chapters of deliverable D9.2. However, all the partners are devoting 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 or preparation of research publications.

Type of activity	N°	Examples
Papers/articles publication	2	Proceedings of the 17th ISCRAM Conference (paper accepted for publication in 2020, the conference is postponed to 2021 due to COVID-19 situation), scientific paper in Safety Science journal
Posters at conferences	2	ITEC 2019 conference & MSB Seminar; Skadeplats 2019
Presentations at events and meetings (incl. distribution of leaflets)	12	Milipol 2019; 12. National Trauma Congress Turkey; 6. International Earthquake Symposium Turkey; Vision Zero Summit 2019; 3. International-21. National Public Health Congress; 6th IPRED International Conference on Preparedness & Response to Emergencies & Disasters; DRS Community of Users (CoU) Workshops
Internet/social media activities	50	Tweets, posts or news items (on project website and partners websites/social media accounts)
Trade fairs/industry shows attendance (stand, leaflet distribution etc.)	6	Global Robot Expo 2019; DroneTech World Meeting 2019; Droniada 2019; S-moving 2019; Droniada 2020; S-moving 2020
Workshops organisation/participation	15	International Workshop on Data Protection and Security in Emergency Situations, International Medical Congress; 4th Next Generation Technologies in Emergency Services, workshops with end-users during Droniada 2019; EU Efforts Towards a Full Protection of Personal Data seminar; ERIA - Early Response Innovation Arena workshop; DRS Community of Users (CoU) Workshops
Liaison with other initiatives	4	Meeting with other DRS-02 projects during the Mediterranean Security Event 2019; meeting with technical coordinator and project director of Driver+ project; project presentation during the INGENIOUS project KoM; participation and brief introduction of the project at FASTER teleconference
Interviews/media activities	2	University of Cantabria Youtube Channel (https://www.youtube.com/watch?v=4THXgd9CvCA), Interview with Eric Didden (IFV), Tina Mioch (TNO) and Robbert Heinecke (GB) in Brand & Brandweer
Other	2	Student's report and Master's thesis

Table 1 Summary of the communication and dissemination activities M01-M18

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 around 50 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 by M18.

Channel	Visits	Unique visitors
Project website	66 933	29 171
	Number of followers	Number of views
Twitter	34	5 626
LinkedIn	42	545

Table 2 statistics of the ASSISTANCE online channels by M18

4.2. Newsletter1

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 first issue of the newsletter (Fig. 8, Appendix 3) has been developed by the Task 9.2 Leader and released in May 2020. It contains the introduction to the ASSISTANCE project and summary of the first year of its execution, including accomplishments of the first project milestones and completion of deliverables. A part dedicated to inviting end users and stakeholders to join the ASSISTANCE Community/End-user Group has also been included.

Newsletter1 has been circulated in 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 8 ASSISTANCE Newsletter1 (first two pages)

4.3. 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 been performed in the period up to March 2020. While the general summary is presented in the Table 1 some notable examples which can be illustrated by pictures are given below.

On 18-19 October 2019 CNBOP-PIB has co-organised the 4th DroneTech World Meeting (Fig. 9) – an event encompassing two days of B2B meetings, demonstrations and indoor drone racing championships combined with a trade fair and a conference. At the event, ASSISTANCE was presented to the end-user community during a project-themed workshop for all representatives of first responders, uniformed services and rescuers, which was devoted to the use of new technologies (VR, AR, drones, etc.) when dealing with disasters such as: earthquake, industrial accident or terrorist attack, as well as new training methods.

D9.3 Mid-term Dissemination Report



Figure 9 DroneTech WorldMeeting 2019 (CNBOP-BIP's stand and workshop with end-users)

Also in October 2019 FADA-CATEC has presented ASSISTANCE at their stand during the S-moving 2019 event (Smart, Autonomous and Connected Vehicles Forum, Fig. 10) and E-Lex has organised a public seminar - International Workshop on Data Protection and Security in Emergency Situations, where ASSISTANCE was presented by its coordinator prof. Esteve (Fig. 11).



Figure 10 S-moving 2019 event (FADA-CATEC's stand)

D9.3 Mid-term Dissemination Report

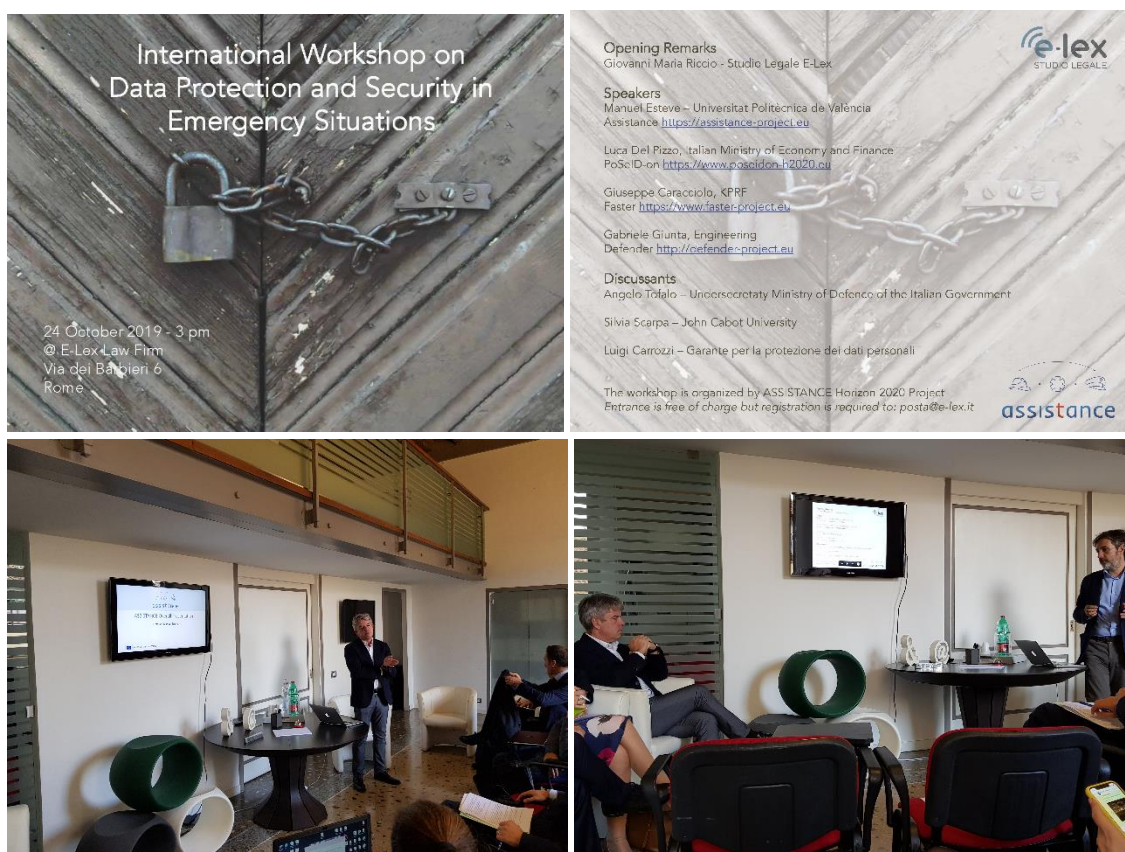


Figure 11 International Workshop on Data Protection and Security in Emergency Situations (digital invitation and presentations at the workshop)

In the period of the pandemic most initiatives were transformed into an online format, such as the EU Efforts Towards a Full Protection of Personal Data seminar organised by E-Lex (digital invitation in Fig. 12). ASSISTANCE has been presented and discussed along with two other H2020 projects PoSeID-on (Protection and control of Secured Information by means of a privacy enhanced Dashboard) and DEFENDER (Defending the European Energy Infrastructures).



Figure 12 EU Efforts Towards a Full Protection of Personal Data seminar (digital invitation)

Also, the Community of Users meetings/workshops, were performed online in September 2020. ASSISTANCE was presented there twice: at the Natural Hazards (Technologies for First Responders) session by UC and at the CBRN session by UPVLC.

D9.3 Mid-term Dissemination Report

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.



Figure 13 Invitation to the Early Response Innovation Arena workshop



Figure 14 Experiments during the Early Response Innovation Arena

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.

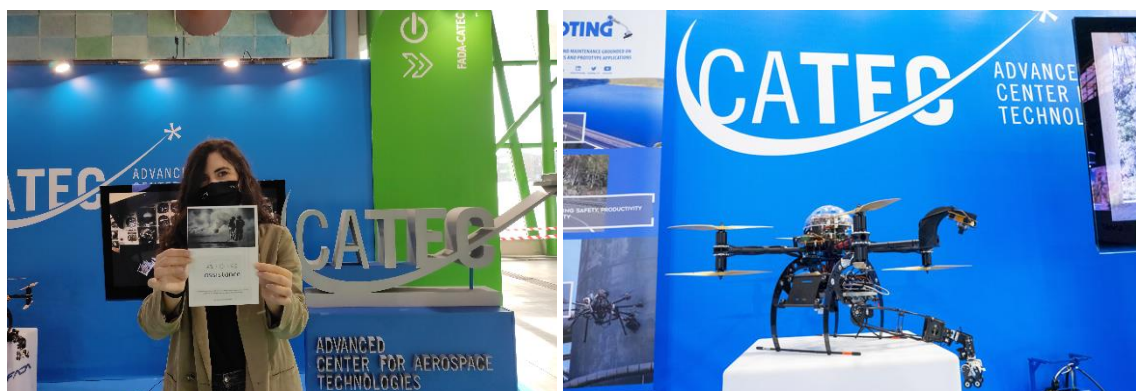




Figure 15 FADA-CATEC at S-moving 2020 event (FADA-CATEC's stand)

4.4. Liaison with other projects

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 recently been devoted to the projects that are in continuous collaboration with ASSISTANCE towards exchange of the experiences and knowledge.

So far, ASSISTANCE has 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

These collaborations involve i.a. mutual attendance at various project meetings or workshops, e.g. in October 2019 UPVLC made a presentation introducing the project during the kick-off meeting of the H2020 INGENIOUS project (Fig. 13) and in August 2020 ŁUKASIEWICZ-PIAP participated in an introductory teleconference of the H2020 project

FASTER where ASSISTANCE was briefly introduced to the participants and the all the practitioners organisations present at the meeting were invited to join the ASSISTANCE End-user Group.



Figure 16 ASSISTANCE project presentation during the INGENIOUS project KoM

5. Conclusions and further planning

As mentioned in the previous chapter, the consortium makes its best efforts to continue the dissemination activities, refocusing and seeking opportunities in the different types of communication. This also includes the currently started discussions on organising project events in an online format, e.g. webinars for end-users and/or general public.

The project partners have reported a number of events and initiatives they intend to participate in or undertake once these will be available. The initial list of planned activities (as reported by partners until end of October 2020) with indication on their territorial scope and targeted audience is included in Table 3 below.

However, since the pandemic situation is expected to further affect to some extent the activities related to dissemination, the below outline of planned activities should be treated as only an initial plan for further actions that will be updated in the course of project implementation and adjusted to the evolving situation.

In addition, the project website and social media accounts will be continuously updated with all the up-to-date project-related information, including publication of the Newsletters and other publishable materials.

D9.3 Mid-term Dissemination Report

Partner	Event's or medium name and type of activity	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
CEL	DECON Conference 2021	Conference/fair/trade show		International	Research/scientific community	2021
THALES	JPAL (journées de palaiseau)	Workshop/seminar	France	Local	End-users	2020
CNBOP-PIB	DroneTech WorldMeeting 2020	Workshop/seminar	Poland	International	Research/scientific community	2020
VIASAT CH	Marketing video summarizing and highlighting the main accomplishments of the comm system built and the mission control system developed	Other	Switzerland	International	End-users	2020
Ł-PIAP	Project presentation	Workshop/seminar	N/A	International	Research/scientific community	December 2020
FADA-CATEC	Stand at Expodronica or UNVEX 2020	Conference/fair/trade show	Spain	National	End-users	2020/2021
FADA-CATEC	Paper in scientific conference with main technological results of ASISTANCE (related to drones) - ICUAS, IROS, ICRA or similar conference	Conference/fair/trade show		International	Research/scientific community	2020/2021
UPVLC/IFV/AAHD	Open Access paper related to mobile robot WP6 results (D6.1 and D6.2)	Professional/scientific journal	N/A	International	Research/scientific community	2020/2021

D9.3 Mid-term Dissemination Report

SBFF	Articles	Newspaper/magazine	Sweden	National	End-users	2020/2021
IFV	eRIC	Conference/fair/trade show	The Netherlands	National	End-users	March 2021
UC/RISE	Poster at 13th International Symposium on Fire Safety Science (IAFSS)	Conference/fair/trade show	Waterloo, Canada	International	Research/scientific community	April 2021
Ł-PIAP	Newsletter 2	Newsletter	N/A	International	End-users/general public	April 2021
ETRA/UC/IFV	Presentation and leaflet/ Presentation and video (maybe demo) at INTERSCHUTZ 2021	Conference/fair/trade show	Hannover, Germany	International	End-users	11-21 June 2021
UPVLC	ISCRAM conference (paper presentation)	Conference/fair/trade show	USA	International	Research/scientific community	2021
THALES	GSI (geometric science of information)	Workshop/seminar	France	National	Research/scientific community	2021
THALES	PGMO (programme Gaspard Monge)	Workshop/seminar	France	National	Research/scientific community	2021
RISE	Updates on study about physical loads in the Nordic countries	Professional/scientific journal	N/A	International	Research/scientific community	2021
CNBOP-PIB	Droniada 2021	Workshop/seminar	Poland	National	Research/scientific community	2021
CNBOP-PIB	DroneTech WorldMeeting 2021	Workshop/seminar	Poland	International	Research/scientific community	2021

D9.3 Mid-term Dissemination Report

CNBOP-PIB	Scientific Paper in Journal: Infrastructures	Professional/scientific journal	N/A	International	Research/scientific community	2021
CEL	Paper on ethics and societal aspects in DRS research in one of the journals: Journal of Information Technology & Politics, Journal of Information Technology, Ethics and Information Technology, Philosophy & Technology, International Journal of Technoethics	Professional/scientific journal	N/A	International	Research/scientific community	2021
Ł-PIAP	Open Access paper related to mobile robot technologies/WP4 results	Professional/scientific journal	N/A	International	Research/scientific community	2021/2022
Ł-PIAP	Newsletter 3	Newsletter	N/A	International	End-users/general public	April 2022
CNBOP-PIB	Droniada 2022	Workshop/seminar	Poland	National	Research/scientific community	2022
CNBOP-PIB	DroneTech WorldMeeting 2022	Workshop/seminar	Poland	National	Research/scientific community	2022

Table 3 Initial plan of the communication and dissemination activities for the next reporting period

6. Appendixes

Appendix 1 General project presentation

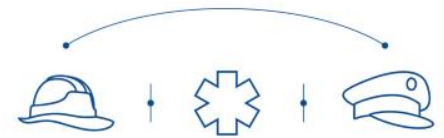
Appendix 2 Communication & dissemination list

Appendix 3 Newsletter 1



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

Name/organisation



assistance

www.assistance-project.eu

Facts and figures

+ 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	Universidad Politécnica de Valencia
+ Countries	8
+ Partners	19

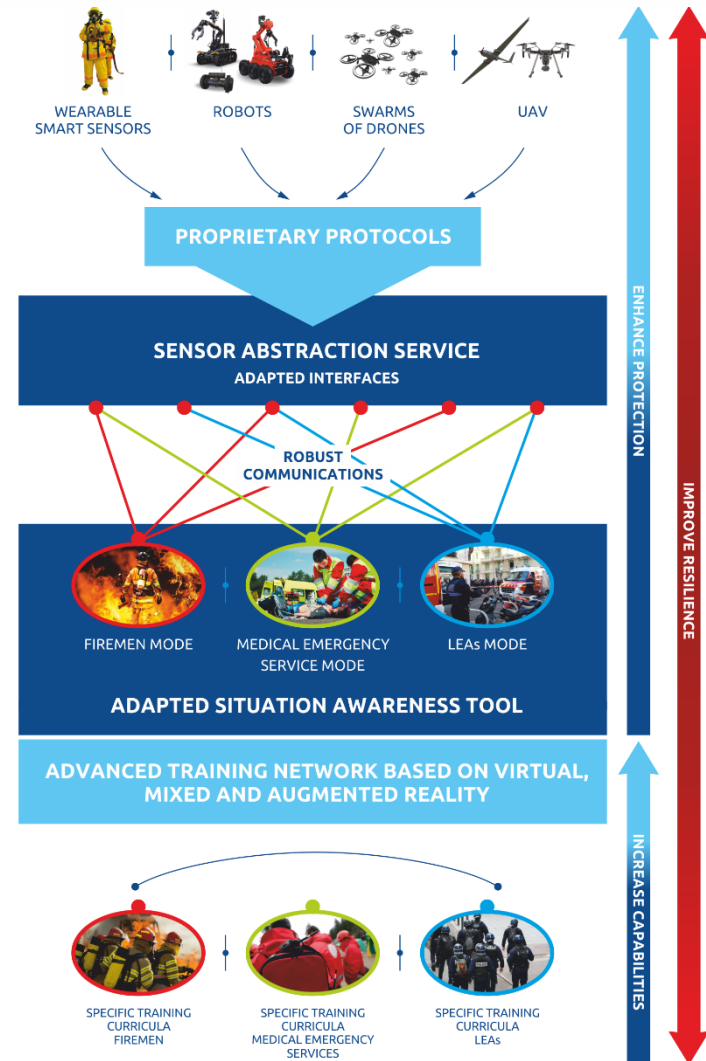


PARTNERS



ASSISTANCE in short

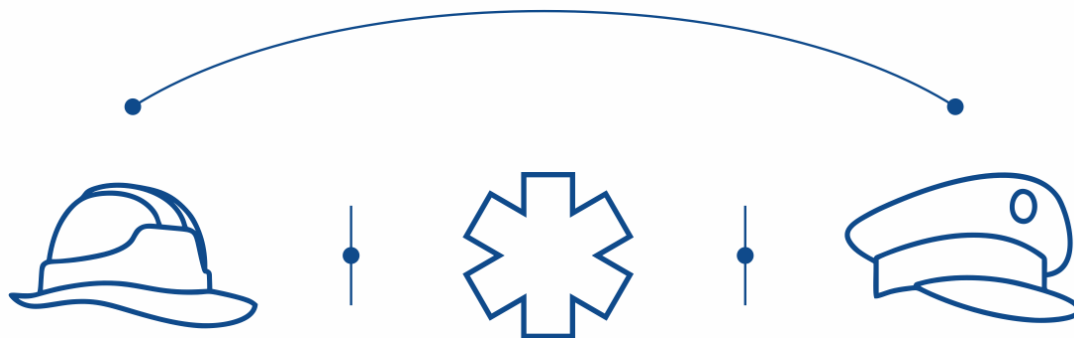
- + NOVEL SITUATION AWARENESS PLATFORM
- + INCREASING CAPABILITIES AND ENHANCING THE PROTECTION OF FIRST RESPONDERS
- + INTEGRATION OF UAVs, ROBOTS, DRONES' SWARMS AND INNOVATIVE MODULES
- + ADVANCED TRAINING NETWORK BASED ON VIRTUAL, AUGMENTED AND MIXED REALITY
- + TRAINING CURRICULA TAILORED TO THE NEEDS OF DIFFERENT TYPES OF FIRST RESPONDERS



Ambition

The main purpose of ASSISTANCE project is twofold:

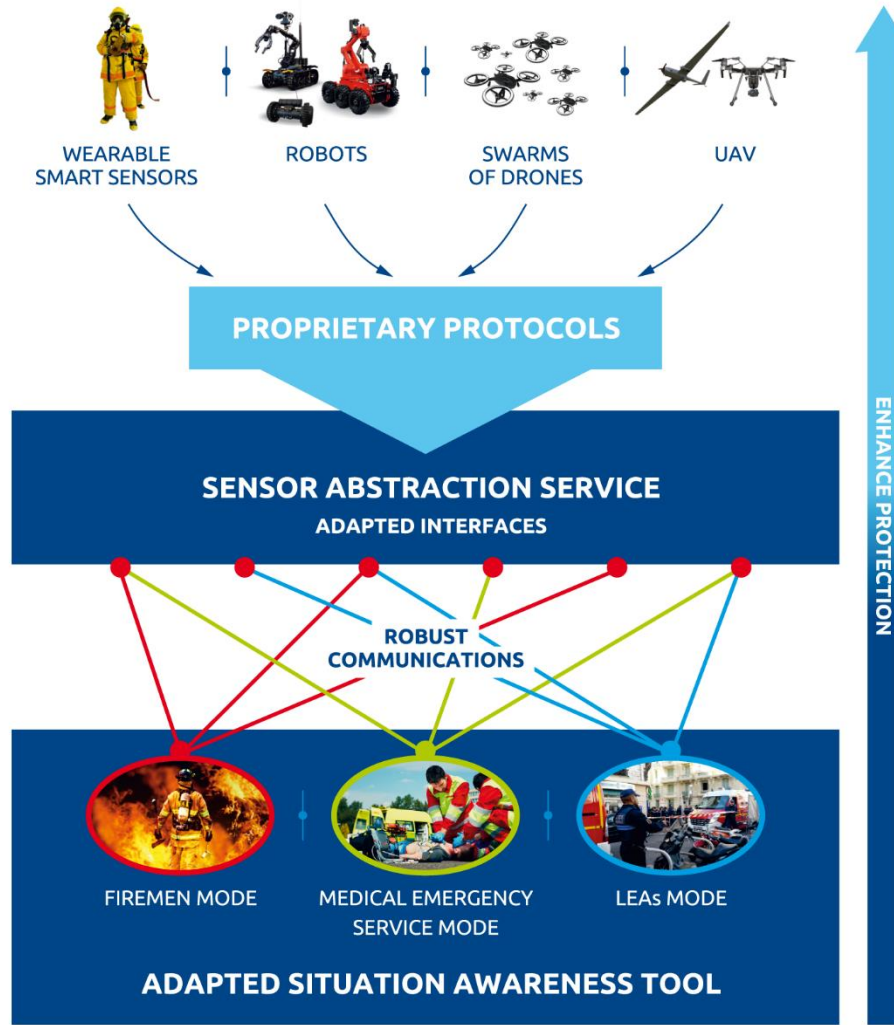
- + to help and protect different kind of first responders' (FR) organisations that work together during the mitigation of large disasters (natural or man-made)
- + to enhance their capabilities and skills for facing complex situations related to different types of incidents



Main objectives

- + addressing the need for useful operational information via **new sensors** mounted on **unmanned platforms** or integrated in the FR's **wearable equipment**,
- + developing a **novel SA platform**, including the integration of **UAV, robots and drones' swarms** and **innovative modules**,
- + establishing the core of an advanced training network based on **Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR)** along with a set of training curricula,
- + providing a **robust network infrastructure** and alternative **ad-hoc network capabilities based on drones' swarm** for ensuring FRs and unmanned platforms connectivity,
- + validating the project results in a cost effective way under real conditions in **3 pilot demonstrations**,
- + measuring the societal impact of the project and assure **compliance with legal, gender and ethical EU principles** and requirements.

ASSISTANCE system

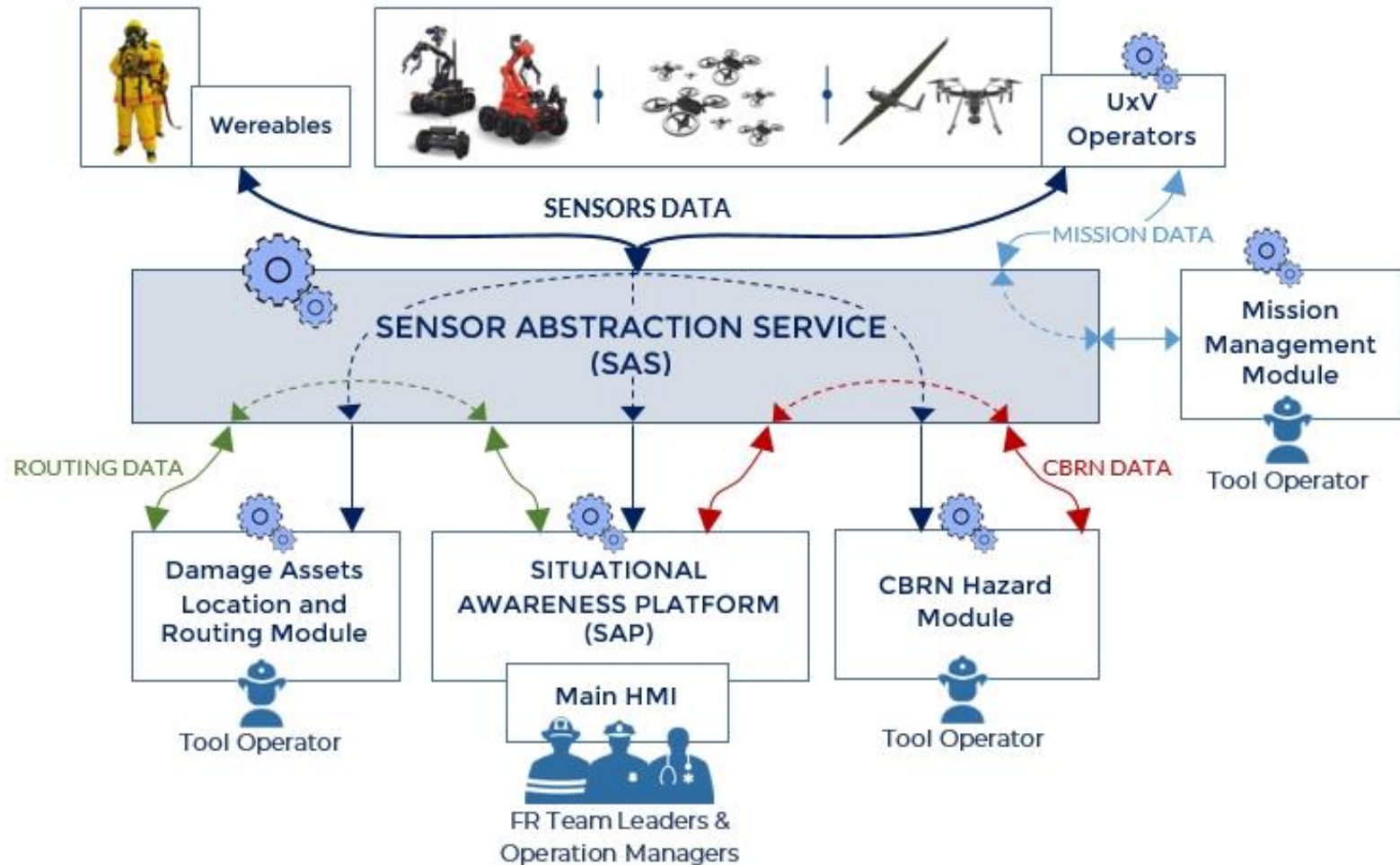


ASSISTANCE training

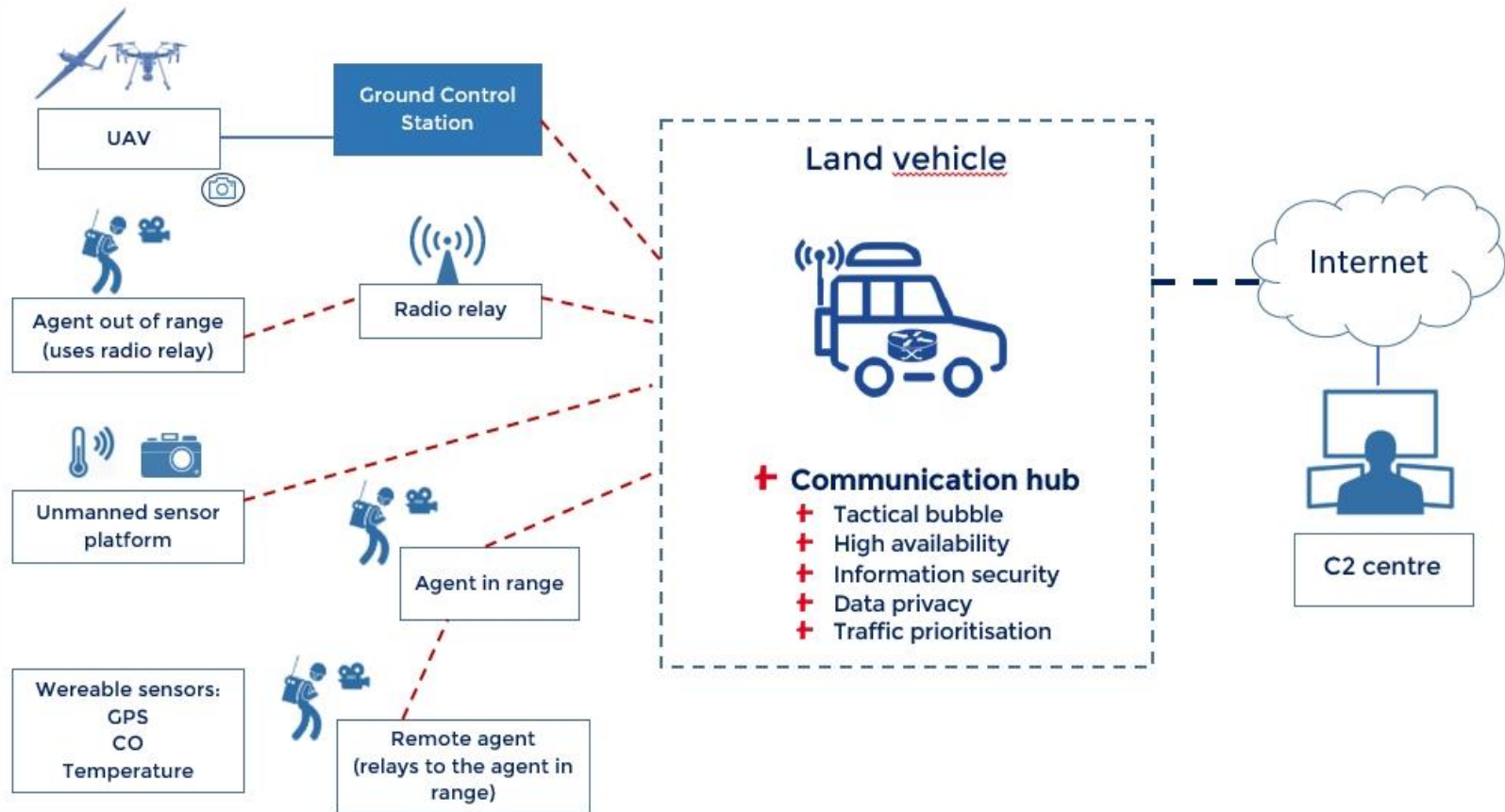
**ADVANCED TRAINING NETWORK BASED ON VIRTUAL,
MIXED AND AUGMENTED REALITY**



ASSISTANCE architecture



ASSISTANCE network architecture



ASSISTANCE User Community

+ End User Group coordinated by AAHD

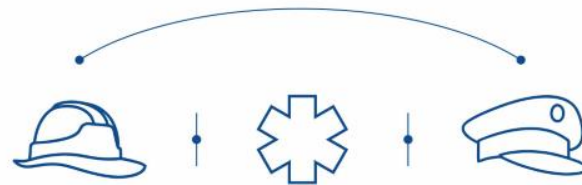
- + to establish a broad dialogue with the end-users on the solutions proposed in the project
- + to collect input on expectations as well as feedback on the results
- + to inform on the progress of the project and actively engage in different project activities (workshops, demonstrations, etc.)

+ Lol available at: <https://assistance-project.eu/dissemination/communication-materials/>

→ send to: fecarro@upvnet.upv.es



THANK YOU!



assistance

+ contact@assistance-project.eu

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

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

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

www.assistance-project.eu



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

Information about events/publications/activities where dissemination of ASSISTANCE project/results is planned													
No	Partner submitting	Presentation/publication/activity title/scope	Archive	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.	Please choose	ITEC 2019 conference & MSB Seminar	Workshop/seminar		International	High level stakeholders	14-15 May 2019	Performed	https://www.itec.co.uk/	International conference on AR/VR simulations + national seminar on AR/VR training for emergency responders	MSB = Swedish Civil Contingency
2	CEL	International Conference on Decision Economics	Please choose	DECON Conference 2020	Conference/fair/trade show		International	Research/scientific com	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, psy	Participation in the June 2020 st
3	CEL	Editing of the text book with best session's papers	Please choose	DECON Conference 2020 textbook	Professional/scientific journal		International	Research/scientific com	2021	Planned	https://www.springer.com/it		Given the setback with the conf
4	THALES	GPU implementation of an eikonal solver	Please choose	JPAL (Journées de palaiseau)	Workshop/seminar		Local	End-users	2020	Planned			
5	THALES	GPU implementation of an eikonal solver	No	GSI (geometric science of information)	Workshop/seminar		National	Research/scientific com	2021	Planned			
6	THALES	GPU implementation of an eikonal solver	No	RGMO (programme Gaspard Monge)	Workshop/seminar		National	Research/scientific com	2021	Planned			
7	AAHD	Presentation	No	12. National Trauma Congress Turkey	Conference/fair/trade show	Turkey	National	End-users	2019-10-09	Performed	www.travma2019.org	Trauma and Disaster	
8	AAHD	Presentation	No	6. International Earthquake Symposium Turkey	Conference/fair/trade show	Turkey	International	End-users	2019-09-25	Performed	www.ierko2019.org	Disaster	
9	AVSRE	Tweet about KoM	Yes	Twitter	Media/social media/public inquiry		Global (interne	Please choose	2019-05-07	September	GVA 112CV #GVA112	Short report about ASSISTANCE purpose and KoM	
10	AVSRE	Internal Dissemination day	Yes	ASSISTANCE Dissemination day	Other	Emergencies Coordination Center	Local	AVSRE staff and integrat	2019	Planned		Presentation of the project to AVSRE's staff and integrated Agencies	
11	UPVLC		No	TAKEDOWN project final conference	Workshop/seminar	Valencia, Spain	International	End-users	2019-06-18	Not performed	https://www.takedownproject.eu/conference/	Could not be attended	
12	FADA-CATEC	Stand at Expodronica 2019	Please choose	Expodronica 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 S-moving	Please choose	S-moving 2019	Conference/fair/trade show	Malaga, Spain	International	Research/scientific com	9-10/10/2019	Performed	https://smoving.fycma.com/	S-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	Yes	University of Cantabria Youtube Channel	Interview		Global (interne	General public	2019-05-28	Performed	https://www.youtube.com/watch?v=4THXgd9CvCA	Daniel Alvar 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	Yes	University of Cantabria News Website	Internet		Global (interne	General public	2019-05-28	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	Yes	GIDAI Group (UC) weblog	Internet		Global (interne	General public	2019-05-10	Performed	http://gidai-group.blogspot.com/2019/05/reunion-de-arranque-del-proyecto.html	ASSISTANCE KoM at GIDAI Group weblog	in spanish
17	CNBP-PIB	Workshop with end-users	No	Droniada 2019	Workshop/seminar	Katowice, Poland	National	Research/scientific com	5-8.06.2019	Performed	https://www.szywiolow.pl/droniada2019/		
18	CNBP-PIB	Unmanned Aerial Vehicles in fire fighting activities	No	DroneTech WorldMeeting 2019	Workshop/seminar	Toruń, Poland	International	Research/scientific com	18-19.10.2019	Performed	https://www.facebook.com/events/329355084344247/		
19	CNBP-PIB		No	Targi Kielce IFRE-EXPO	Conference/fair/trade show	Kielce, Poland	International	End-users	6-8.06.2019	Performed	https://www.targi-kielce.pl/pl/targi-branzowy-pozarniczy-sratowniczwa-ochrony-przeciwpozarowej-sprzet-sprazac-20187.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	CNBP-PIB	Dissemination of project movie during event	No	Droniada 2020	Workshop/seminar		National	Research/scientific com	2020	Performed	https://www.szywiolow.pl/	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	CNBP-PIB	Dissemination of project movie during event, short presentation about ASSISTANCE project	No	DroneTech WorldMeeting 2020	Workshop/seminar		International	Research/scientific com	2020	Planned	http://dronetech-poland.com/?lang=en , https://www.facebook.com/events/329355084344247/		
22	CNBP-PIB		No	Droniada 2021	Workshop/seminar		National	Research/scientific com	2021	Planned			
23	CNBP-PIB		No	DroneTech WorldMeeting 2021	Workshop/seminar		International	Research/scientific com	2021	Planned	http://dronetech-poland.com/?lang=en		
24	CNBP-PIB		No	Droniada 2022	Workshop/seminar		National	Research/scientific com	2022	Planned			
25	CNBP-PIB		No	DroneTech WorldMeeting 2022	Workshop/seminar		National	Research/scientific com	2022	Planned	http://dronetech-poland.com/?lang=en		
26	IFV	Newsitem on website ifv.nl	Please choose	General information about the project	Internet		National	General public	29 mei 2019	Performed	ifv.nl	General information about the project	
27	IFV	Newsitem on website ifv.nl	Please choose	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	Please choose	General information about the project. Dutch version based on EU project version	Other		Individual	End-users	15 sept 2019	Performed	Firefighting event	General information about the project; Dutch version based on EU project version	Images to use?
29	IFV	Inspiratieplein	Please choose	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	Please choose	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	Please choose	PPT-presentation, leaflet, infographic	Conference/fair/trade show		Local	End-users	15 nov 2019	Performed		PPT-presentation, leaflet, infographic	
32	RISE	Publish article in RISE's newsletter "brandposten" about the start of the ASSISTANCE project.	Yes	Brandposten	Newspaper/magazine		International	Research/scientific com	WTF-19	Performed	Currently in transition, contact: erika.hjelm@ri.se	Brief description of ASSISTANCE project and the roles of RISE in it.	
33	SBFF	Page on our website	Yes	https://www.sbff.se/en-oss/forskning	Internet		Global (interne	General public	July 2019	Performed	https://www.sbff.se/en-oss/forskning-svevckling/	Information page on our official web, www.sbff.se, about EU projects and national collaborations.	
34	SBFF	SBFF PLAY	Yes	https://www.youtube.com/watch?v=9v2	Other		Local	End-users	June 2019	Performed	https://www.youtube.com/watch?v=D4DDA8G40g	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)	Yes	Please see attached excel sheet	Other	Sweden	National	Research/scientific com	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	No	Workshop/seminar	Workshop/seminar	Sweden	Local	High level stakeholders	Autumn 2019	Performed			The activity is planned for autumn
38	SBFF	Articles	Yes	Newspaper/magazine	Newspaper/magazine	Sweden	National	Please choose	2020/2021	Planned			
39	PIAP	Launch of the project website	Yes	Project public website	Internet	N/A	Global (interne	General public	31.07.2019	Performed	www.assistance-project.eu		The activity is planned for autumn
40	PIAP	Launch of the project social media accounts (LinkedIn/Twitter)	Please choose	Project social media accounts	Internet	N/A	Global (interne	General public	31.07.2019	Performed	https://www.linkedin.com/showcase/assistance-project/ https://twitter.com/ASSISTANCEch2020		
41	PIAP	Communication materials publication (internal/external)	Please choose	Project leaflet, project poster, project presentation template	Other	N/A	Global (interne	Project partners, end external audiences	09.2019	Performed	https://assistance-project.eu/dissemination/communication-materials/		
42	UPVLC	ASSISTANCE Presentation during the IN	Please choose	Clustering workshop during the INGEN	F2F meeting	Greece	International	End-users	18.09.2019	Performed		Clustering and cooperation opportunities among all projects funded under 2018 DR502 call.	
43	TNO	workshop with fire fighters of GB	Please choose	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	2019-07-23	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	Please choose	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	2019-07-29	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	Please choose	workshop	Workshop/seminar	Rotterdam, NL	Individual	End-users	2019-07-30	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	Please choose	meeting	F2F meeting	The Hague, NL	Please choose	Please choose	2019-07-04	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	Please choose	Vision Zero Summit 2019	Conference/fair/trade show	Helsinki, Finland	International	High level stakeholders	12-14 november 2019	Performed	ti.fi/visionzero19	Short presentation about ASSISTANCE during presentation regarding future of work for first responders.	

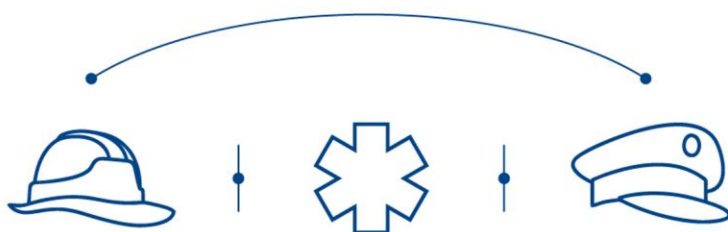
48	TNO	workshop with advisors 'dangerous substances' of Fire department region 'Rotterdam-Rijnmond'	Please choose	meeting	F2F meeting	The Netherlands	Local	End-users	15 January 2020	Performed		Workshop in which the project was presented to a group of experts from the Fire department 'Rotterdam-Rijnmond' 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	Please choose	workshop	F2F meeting	Crete - Greece	International	Research/scientific community	29 October 2019	Performed	https://mse2019.kempe-research.gr/	Meeting with the rest of DRSO2 projects with end users and stakeholders for clustering and dissemination activities	
50	UPVLC	Paper accepted for ISCRAM conference	Yes	Conference	Conference/fair/trade show	USA	International	Research/scientific community	19-20 May 2020	Planned	https://www.drrm.frainilinfesci.vt.edu/isgram2020/india.php	Conference paper submitted and accepted	
51	IFV	Newsitem on website ifv.nl and in newsletter	Please choose	Website and social media (Twitter IFV and LinkedIn)	Internet		National	General public	19-gro-19	Performed	ifv.nl	Base for training programme ASSISTANCE ready	
52	IFV	Article in professional journal for firefighters	Please choose	Brand & Brandweer	Professional/scientific journal	The Netherlands	National	End-users	kw-20	Performed	https://www.adu.nl/shop/brand-en-brandweer-abonnement-tijdschrift-inclusief-online-en-stagage.html	Interview with Eric Didderen (IFV), Tina Mioch (TNO) and Robbert Heinecke (GB)	
53	IFV	Newsitem on website ifv.nl and in newsletter	Please choose	Website and social media (Twitter IFV and LinkedIn)	Internet		National	General public	2020/2021	Planned	ifv.nl	Results WP 6.2	
54	IFV		Please choose	eRIC	Conference/fair/trade show		National	End-users	March 2021	Planned			Depending on what to show. www.is.mioch.nl
55	IFV		Please choose	Interschut	Conference/fair/trade show		International	End-users	June 2021	Planned			Depending on what to show. www.is.mioch.nl
56	RISE	Information on www.ri.se	Please choose	Information on webpage	Internet		Global (internet)	General public		Performed	www.ri.se		
57	RISE	Poster at conference and discussion with potential End User Advisory Board members	Please choose	Skadeplats 2019	Conference/fair/trade show	Uppsala, Sweden	National	End-users		Performed	https://www.brandskyddsforeningen.se/webbshop/bo	National conference for firefighters	
58	RISE	Participated in a workshop for firefighter.	Please choose	ERIA	Workshop/seminar	Revinge, Sweden	National	End-users		Performed	https://www.msb.se/sv/arnnesomraden/krisberedskap	Discussed with end-user about challenge and requirements	
59	RISE	Participated in a workshop about the use of UAS	Please choose	https://www.msb.se/sv/arnnesomraden	Workshop/seminar	Revinge, Sweden	National	End-users		Performed	https://www.msb.se/sv/arnnesomraden/skydd-mot-ol	Discussed with end-user about challenge and requirements	
60	RISE	Participant in a exchange of expert meeting for firefighters tactics in Arnhem, NL	Please choose	Exchange of Expert	Workshop/seminar	Arnhem, NL	International	Research/scientific community		Performed	https://www.ifv.nl/kennissplein/Documents/20200113	Discussion with potential End User Advisory Board members	
61	RISE	Poster at conference	Please choose	International Association of Fire Safety Scientists (IAFSS)	Conference/fair/trade show	Waterloo, Canada	International	Research/scientific community	2021	Planned	https://iafss.org/upcoming-events/	Discussion and networking with fire safety scientists	Conference was postponed until April 2021 due to corona virus.
62	FADA-CATEC	CATEC presentation at Expodronica	Please choose	Expodronica 2020	Conference/fair/trade show	Spain	National	End-users	9-10/9/2020	Performed	https://expodronica.com/es/	Drone fair targeting end users applications	
63	FADA-CATEC	Paper in scientific conference where the main technological results of ASSISTANCE, with respect to drones, will be presented	Please choose	ICUAS, IROS, ICRA or similar conference	Conference/fair/trade show		International	Research/scientific community	TBD	Planned		Any of these international conferences will be a great place to present project results.	
64	AAHD	Presentation and leaflet	Please choose	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	Please choose	3.International-21.National Public Health Congress	Conference/fair/trade show	Antalya, Turkey	International	Research/scientific community	26-30 November 2019	Performed	https://uhsk.org/2019/index.php/en/		
66	AAHD	Presentation and leaflet	Please choose	International Medical Congress	Workshop/seminar	Izmir, Turkey	International	High level stakeholders	6-8 December 2019	Performed	http://imcidu.idu.edu.tr/		
67	AAHD	Presentation and leaflet	Please choose	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-basmelede-yeni-asil-teknolojiler-sompozumu/		
68	AAHD	Presentation and leaflet	Please choose	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.ipred.co.il/		
69	FADA-CATEC	CATEC Stand at Global Robot Expo 2019	Please choose	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	Please choose	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)	Please choose	Interschutz 2021	Conference/fair/trade show	Hannover, Germany	International	End-users	June 2021	Planned	https://www.interschutz.de/en/	Exhibition and forum on fire fighting, rescue service, civil protection and safety and security	
72	UC	Poster	Please choose	13th International symposium on fire safety science (IAFSS)	Conference/fair/trade show	Waterloo, Canada	International	Research/scientific community	April 2021	Planned	https://uwaterloo.ca/international-symposium-on-fire-safety-science/	One of the biggest events related to fire safety science.	Supposed to be performed in 2020 because of COVID-19 was postponed
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		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	Please choose	INTERSCHUTZ 2021	Conference/fair/trade show	Hannover	International	End-users	11-21 June 2021	Planned	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	Please choose	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	Please choose	Information on webpage	Internet		International	General public	December 2019	Performed	https://piap.pl/en/research-project/the-assistance-project/		
77	PIAP	Tweets/LinkedIn posts/newsitems on project sites	Please choose	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	Yes	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=-mxQwBv9D0c https://assistance-project.eu/dissemination/communication-materials/ https://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 social media accounts	
79	E-LEX	Project presentation	Please choose	EU Efforts Towards a Full Protection of Personal Data seminar	Workshop/seminar	online	International	Research/scientific community	10 July 2020	Performed	http://www.medialaws.eu/eu-efforts-towards-a-full-protection-of-personal-data-july-10/		
80	RISE	Project presentation	Please choose	ERIA - Early Response Innovation Arena workshop	Workshop/seminar	Kramfors, Sweden	National	End-users	08-wrj-20	Performed	https://www.msb.se/sv/aktuellt/kalender/2020/september	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	Please choose	Safety Science	Professional/scientific journal	N/A	International	Research/scientific community	2019	Performed	https://www.journals.elsevier.com/safety-science	Exploring self-preservation capability in toddlers during evacuation process	Available online https://doi.org/10.1016/j.ssci.2020.101616
82	CEL	English language post with the project's video on LinkedIn with the following post and hashtags	Please choose		Media/social media/public inquiry	N/A	Global (internet)	General public	2020-03-08	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6605967447893200896	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 63 Impressions, 2 Reactions, a 4.76% Click-through rate and a 7.94% Engagement rate. This video is too cool! We are proud to be partners in the ASSISTANCE project. #SearchAndRescue #FirstResponders #Safety #Research #Innovation	

		English language post with the project's video on LinkedIn with the following post and hashtags	Please choose		Media/social media/public inquiry	N/A	Global (internet)	General public	2020-01-06	Performed	https://www.linkedin.com/feed/update/urn:li:activity:6673166356990570496	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 4.85% 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.</i> #research #innovation #firstresponders #safety #searchAndRescue All project partners on LinkedIn were also tagged in the post (Universitat Politècnica de València (UPV), ETRA, Thales, LUKASIEWICZ - PIAP Institute, Fundación Andaluza para el Desarrollo Aeroespacial, TNO, RISE Research Institutes of Sweden, Institut Fysieke Veiligheid (IPV), Gezamenlijke Brandweer, Viasat Inc., E-Lex Studio Legale, Söderörns brandförsvärsförbund.)	
83	CEL			FASTER teleconference (organised by the Polish Police Academy in Szczytno)	Other	telco (Poland)	National	End-users	2020-08-31	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.	
84	PIAP	Brief introduction to the project at the FASTER project teleconference	No										
85	VIASAT CH	Marketing video summarizing and highlighting the main accomplishments of the comm system built and the mission control system developed	No	EU Customers	Other	Switzerland	International	End-users	2020	Planned		Marketing video summarizing and highlighting the main accomplishments of the comm system built and the mission control system developed	
86	PIAP	News/social media items on current project events	Please choose	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/ASSISTANCEh2020 , 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	Please choose	Updates of the project website - creation of the Collaborations section	Internet	N/A	Global (internet)	General public	08/09/2021	Performed	https://www.linkedin.com/showcase/assistance-project/ , https://twitter.com/ASSISTANCEh2020 , www.assistance-project.eu	Creation of the "Collaborations" section on the project website and adding projects linked with ASSISTANCE	
88	FADA-CATEC	Stand at S-moving Presentation at the NAT. HAZARDS Technologies for First Responders Session	Please choose	S-moving 2020	Conference/fair/trade show	Malaga, Spain	International	Research/scientific community	30/9-1/10/2020	Performed	https://smoving.fycma.com/	S-Moving is the reference space for companies, professionals, entities and public administrations in the sectors of Intelligent, Autonomous and Connected Vehicles.	
89	UC	Updates on study about physical loads in the nordic countries	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	Submitting to a journal	Please choose	Interschutts	Professional/scientific journal	N/A	International	Research/scientific community	June 2021	Planned		Finishing manuscript	
91	CNBOP-PIB	dissemination movie and publication in the internet (website/social media) facebook and website	Please choose		Conference/fair/trade show		International	Research/scientific community	June 2021	Planned			Depending on what to show. <i>Plans in mind</i>
92	CNBOP-PIB	Scientific paper	Please choose	Journal: Infrastructures	Professional/scientific journal		Global (internet)	General public	August 2020	Performed			
93	CNBOP-PIB	T. Beuker. Supporting situation awareness in first responders. A synopsis of theories, models and methods. Research project, University of Twente, September 2020.	Please choose	Student report	Other	The Netherlands	International	Research/scientific community	September 2020	Performed		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.	Please choose	Master's thesis	Other	The Netherlands	International	Research/scientific community	July 2020	Performed			
95	TNO	Presentation at the CBRN Session	Yes	DRS Community of Users (CoU) Workshop	Workshop/seminar	N/A	International	End-users	17/09/2020	Performed	https://www.securityresearch-cou.eu/		
96	UPVLC	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		
97	PIAP	Newsitem at grupopetra.com	Please choose	Information on webpage	Internet	N/A	Global (internet)	General public	October 2020	Planned	https://www.grupoetra.com/en/technology-and-innovation/	General information about the project	
98	ETRA	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	Planned			
99	PIAP												
100	PIAP	Project presentation	Please choose	Clustering Webinar on New Technologies	Workshop/seminar	N/A	International	Research/scientific community	December 2020	Planned		Organised by the Public Safety Communications Europe Forum	
101	Please choose		Please choose		Please choose		Please choose	Please choose		Please choose			
102	Please choose		Please choose		Please choose		Please choose	Please choose		Please choose			
103	Please choose		Please choose		Please choose		Please choose	Please choose		Please choose			



NEWSLETTER 1

MAY 2020



assistance

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

www.assistance-project.eu

Contents:

- + About ASSISTANCE
- + Year1 summary and accomplishment of the first project milestones
- + ASSISTANCE system architecture
- + ASSISTANCE Users Community
- + Contact

Dear Reader,

Welcome to the first issue of the ASSISTANCE Newsletter. We would like to introduce you to our project and its objectives, our team and first accomplishments after a year of the project implementation.

ASSISTANCE is an innovative approach for protecting the First Responders of different organisations during their mitigation activities in complex disaster scenarios.

Our consortium is developing new tools and capabilities focused on improving the situation awareness (SA) of the FR units in field to support their tasks and increase their safety. ASSISTANCE proposes also to prove the concept of a Virtual Reality (VR) network of training platforms to enhance the training capabilities of the FRs through complex virtual scenarios.

We hope that ASSISTANCE results will be a useful set of tools and capabilities for increasing the protection of the FRs.

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



+ About ASSISTANCE

ASSISTANCE is an international research project funded by the European Commission under the **Horizon 2020 programme** in Secure Societies Challenge addressing the **SU-DRS02-2018-2019-2020 (Technologies for first responders)** topic.

The main purpose of ASSISTANCE project is twofold: first **to help and protect different kind of first responders' (FR) organisations** that work together taking into account the type of disaster/crisis they are mitigating in each moment and second **to enhance their capabilities for facing complex situations** providing them advanced training based on Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR), tailored to their real needs depending on the type of incident.

ASSISTANCE will employ **novel technologies** such as: **drones, robots and innovative modules** for increasing the FR's **situation awareness (SA)** and taking into account their **needs in terms of data** (e.g. real time video, persons and objects location, evacuation routes status, ad-hoc network coverage etc.).

ASSISTANCE will also establish **the core of an advanced training network based on VR, AR and MR** along with a set of **training curricula tailored to the needs** of the different types of first responders (e.g. **Firefighters, Emergency medical services, Police, etc.**) and characteristics of **the type of incident**.

All the ASSISTANCE results will be tested under controlled conditions in **three different demonstration pilots** which will involve FRs from different organisations.

The solutions proposed in ASSISTANCE will be developed in compliance with **EU societal values, fundamental rights and applicable legislation**, including in the area of **privacy and personal data protection**. Societal aspects (e.g. perception of security, possible effects of technological solutions on societal resilience, gender diversity) will be taken into account in a comprehensive and thorough manner.



+ *Year1 summary and accomplishment of the first project milestones*

ASSISTANCE project has been **started in May 2019** with a kick-off meeting hosted by its **coordinator Universidad Politécnica de Valencia** in Spain.

In addition to the project management tasks (WP1), activities in four work packages have been launched with the first month of the project, i.e. **User requirements, scenarios & system architecture (WP2)**, **Advanced training network based on virtual and augmented reality (WP6)**, **Gender, ethical, societal and legal issues (WP8)** as well as **Exploitation and dissemination (WP9)**.



ASSISTANCE KoM

In the first half year of the project implementation **several deliverables** have been produced in these work packages and **successfully submitted to the EC within the planned schedule**, with the first one – the project public website (D9.1) – in operation from month 3.

Delivered results cover both the administrative and research part of the project. Project management handbook (D1.1), Data Management Plan (D1.2) and Risk & Opportunities Register (D1.3) have been produced as tools serving an efficient project execution and management of its outcomes, while the research works of the various ASSISTANCE teams focused on analysis and identification of the **State-of-the-Art Situational Awareness and training tools (D2.1)**, specification of the **user requirements (D2.2)** and definition of **reference scenarios and pilot experiments (D2.3)**, accompanied by the **studies on the relevant legal EU framework and assessment of the ethical impact (D8.1)**.

Majority of these outcomes will be publicly available on the project website after they are approved by the EC services, during the first project review scheduled for end of May 2020.

Besides the development and submission of deliverables, the activities of ASSISTANCE partners covered **organisation and participation in different types of events (workshops or fairs) and liaison with other related research initiatives**, such as other H2020 project in security theme.

On 18-19 October 2019 **CNBOP-PIB** has **co-organised the 4th DroneTech World Meeting** – an event encompassing two days of **B2B meetings, demonstrations and indoor drone racing championships** combined with a **trade fair** and a **conference**. At the event, ASSISTANCE was presented to the end-user community during a **project-themed workshop for all representatives of first responders, uniformed services and rescuers**, which was devoted to the **use of new technologies (VR, AR, drones, etc.)** when dealing with disasters such as: **earthquake, industrial accident or terrorist attack**, as well as new training methods.



DroneTech World Meeting 2019 (CNBOP-PIB's stand and workshop with end-users)

Also in October 2019 **FADA-CATEC** has presented ASSISTANCE at their stand during the **S-moving 2019 event** and **UPVLC** made a presentation introducing the project during the **kick-off meeting** of the **H2020 INGENIOUS** project.



S-moving 2019 event (FADA-CATEC's stand)



ASSISTANCE presentation at the INGENIOUS KoM



The first half year was concluded with the **general assembly meeting in October 2019**, hosted in Rome by E-Lex. The meeting included a summary of the delivered results and a progress check of the ongoing works as well as an **early kick-off** of another two work packages **WP3 Sensor abstraction service (SAS)** and **WP4 Unmanned platforms & wearable sensors**.

Back to back with the plenary meeting, **E-Lex** has organised a public seminar - **International Workshop on Data Protection and Security in Emergency Situations**, where ASSISTANCE was presented by its coordinator prof. Esteve.



ASSISTANCE General Assembly meeting in Rome



International Workshop on Data Protection and Security in Emergency Situations

The next six months of the project implementation brought another **successful and timely deliveries of results in all active work packages** as well as active interaction between the partners, such as the **technical meeting** held between **Ł-PIAP and OSPOM on sensors and payloads** that can be used on the **mobile robot** in ASSISTANCE scenarios. In result of these discussions an additional use case has been proposed, related to **integration of the cutting extinguisher** on the robot's arm.



Meeting between Ł-PIAP and OSPOM



The first year of the project implementation was summarised during the **plenary meeting in March 2020** that was originally planned to be hosted by IFV in The Netherlands. Due to the SARS2-COV-19 pandemic the meeting was organised **in a teleconference format** and was **accompanied by the remote workshop** with consortium end-users on the **detailed design of the Situational Awareness Platform's HMI** and presentation of the **IFV training platform**.

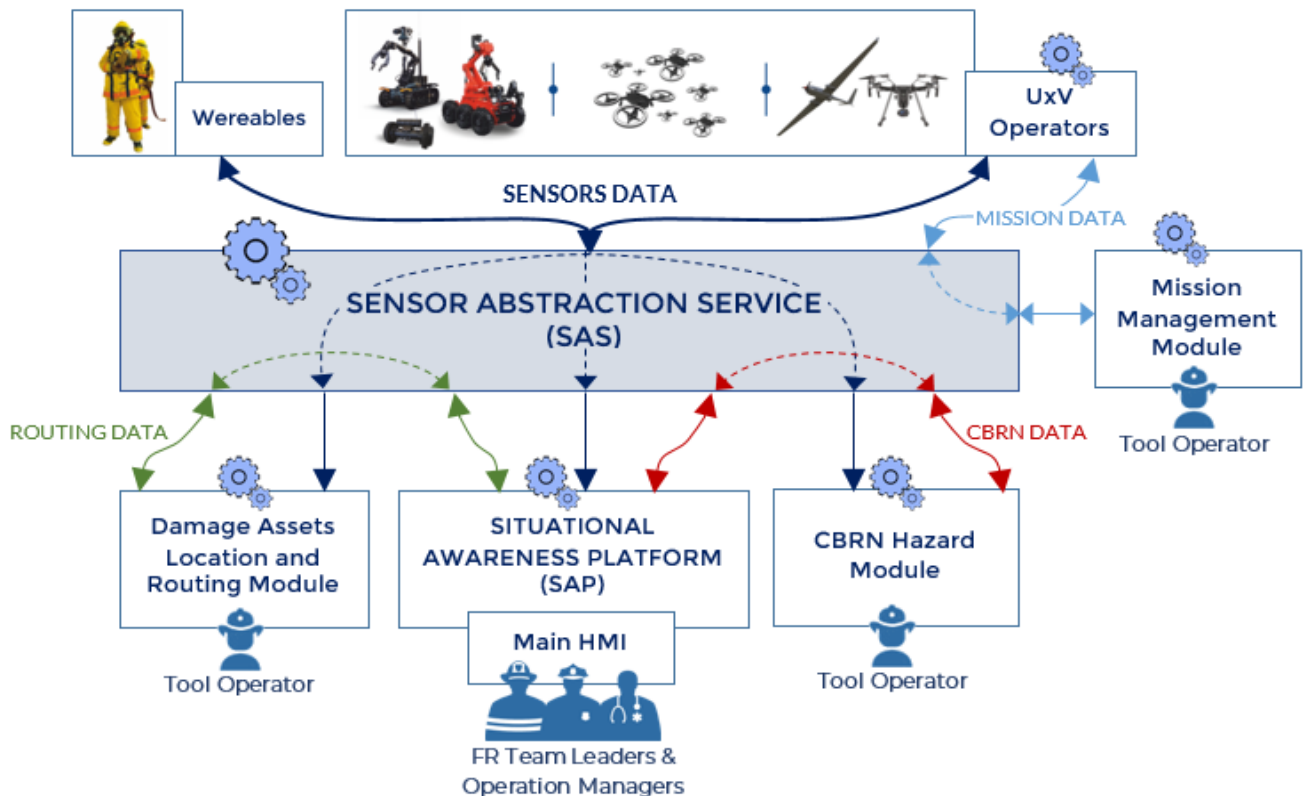
Two major project milestones have been achieved during the first year of the project implementation: **gathering of the user requirements (MS1)** and **definition of the system architecture (MS2)**.

+ ASSISTANCE system architecture

The core of the **ASSISTANCE** system is the **Situational Awareness Platform (SAP)** that will receive data from different sensors and sub-systems to integrate all this information and display it through its main HMI in a manner tailored to the various types of the First Responders using the platform. **Different ASSISTANCE modules and systems will gather information** from sensors and different sources and send the results to the SAP.

All information exchanges in the **ASSISTANCE** system will be performed through the **Sensor Abstraction Service (SAS)** module, which will provide a homogeneous manner of exchanging all necessary data among the different ASSISTANCE modules/sub-systems.

The overall ASSISTANCE architecture, its components, interactions and information flows are shown below.



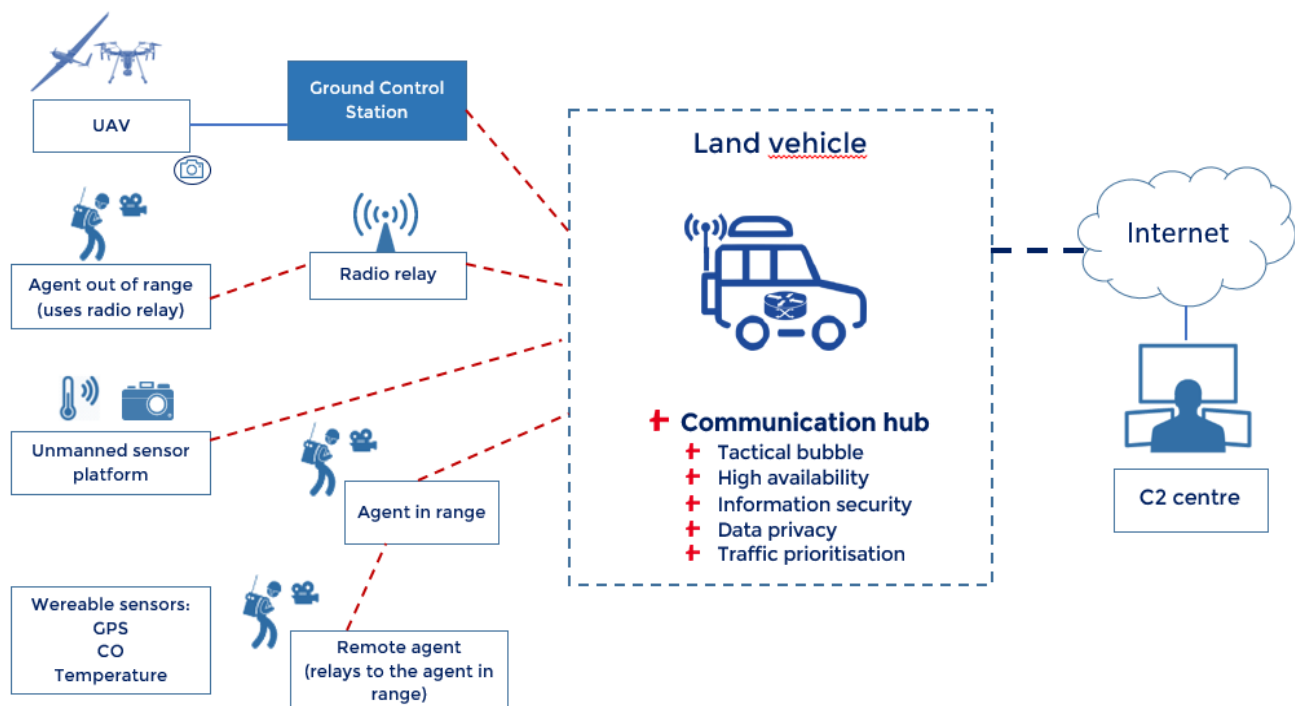
ASSISTANCE Architecture Schema

ASSISTANCE will be tested in three disaster scenarios: earthquake, industrial accident and terrorist attack, using variety of use cases related to different ASSISTANCE modules. In all pilots the SAP will receive **video streams and measurements from cameras and sensors mounted on mobile platforms or as wearables**. Other data will come from the **Damage Assets Location and Routing module**, providing the optimum routes (avoiding all potentially dangerous areas or damaged infrastructures detected) as well as from the **CBRN Hazard module**, which provides information on toxic plumes or gas location and prediction of its evolution. The **Mission Management** module will publish via the SAS the mission parameters for drones or robots.

In the ASSISTANCE pilots' deployments there will be **two different kinds of C2 centres**, the advanced C2 centre and the rear C2 centre. The advanced C2 centre will be deployed on field and it can be composed by one or several laptops that directly take information from sensors deployed on field and use this information for taking tactical decisions and also for protecting the units deployed on field. **It is possible that different kinds of FRs have their own advanced C2 centre on field.** The rear C2 centre is the entity that has a global view and control of all the components of the ASSISTANCE system.



In order to establish a **reliable, resilient, robust and secure connectivity between sensors, UxVs, field units and C2 centres** the overall ASSISTANCE communication solution is based on a **secure hybrid network approach** which will provide the necessary availability and data rates within the latency constraints. It will be able to support the large set of interactions between the field operators and the advanced and rear C2 centres in time-critical missions and will ensure **high availability in remote areas outside of the coverage area of common communication networks and/or areas where these networks were disabled** due to an emergency event. The high level overview of the ASSISTANCE network architecture is shown in figure below.



ASSISTANCE Network Architecture Schema

+ ASSISTANCE User 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 fecarrod@upvnet.upv.es.



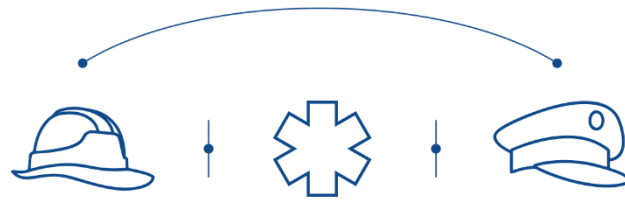
+ Contact

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



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

etraI+D

THALES

S+EM

AGÈNCIA
DE SEGURETAT I
EMERGÈNCIES



Łukasiewicz
PIAP



Instituut
Fysieke
Veiligheid



UNIVERSIDAD
DE CANTABRIA



gezamenlijke brandweer



MINISTERIO
DEL INTERIOR



CyberEthicsLab.



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