

D8.9 Reports on Dissemination

Activities including

'VR Police Network'

Report V2



Deliverable	D8.9
Deliverable Lead	USECON
Related work package	WP8
Author(s)	Valerie Schlagenhaufen (USE) Günther Dauwen (VESTA)
Dissemination level	PUBLIC
Due submission date	31.10.2022
Actual submission	31.10.2022
Project number	833672
Instrument	RIA
Start date of project	01.05.2020
Duration	42 months
Version log	V1.0

Versions

Vers.	Date	Author	Description
V0.1	28/08/2020	Valerie Schlagenhaufen (USE)	First Draft - Structure
V0.2	Summer 2022	Valerie Schlagenhaufen (USE)	Content
V0.3		Valerie Schlagenhaufen (USE)	Additions VR and Police Network
V0.4	Sept/Oct 2022	Valerie Schlagenhaufen (USE) Günther Dauwen (VESTA)	Additions after SHOTPROS final conference
V0.5	October 2022	Consortium	Feedback
V0.6	18.10.2022	Birgit Harthum (USE)	Review
V0.7	27.10.2022	Valerie Schlagenhaufen (USE)	Final Formatting
V1.0	31.10.2022	Gerhard Helletzgruber (USE)	Upload

List of Acronyms and Abbreviations

Acronym / Abbreviation	
DMA-SR	Decision-making and acting in stressful and high-risk situations
DoA	Description of the Action
GDPR	General Data Protection Regulation
KPI	Key Performance Indicator
LEA	Law Enforcement Agency
NCP	National Contact Point
VR	Virtual Reality
VRPN	Virtual Reality and Police Network

Table of Contents

Executive Summary	9
1 Added value	10
1.1 <i>Relation to the SHOTPROS Work packages (WPs)</i>	10
1.2 <i>D8.9 is informed by the following deliverables</i>	10
1.3 <i>D8.9 consequently feeds into the following deliverables</i>	10
1.4 <i>Relation to the SHOTPROS objectives</i>	11
2 Introduction	12
3 Reports on Dissemination/Communication Activities	13
3.1 <i>Events</i>	13
3.2 <i>Scientific Dissemination</i>	15
3.3 <i>Policy-Makers – Contacts and Toolkit</i>	16
3.4 <i>Project Website</i>	19
3.5 <i>Social Media</i>	21
3.6 <i>News and media coverage</i>	24
3.7 <i>Printed Materials</i>	26
3.8 <i>VR Police Network and exchange with related projects</i>	29
3.8.1 <i>VR & Police Network</i>	29
3.8.2 <i>Contact with related projects</i>	30
3.9 <i>Other activities: Research studies, field trials & business meetings</i>	32
4 Report on VR & Police Network	35
4.1 <i>Summary of the VRPN action plan</i>	35
4.2 <i>VRPN website as platform and knowledge hub</i>	35
4.3 <i>Report on the implementation of the VRPN</i>	36
4.4 <i>VRPN kick-off at the SHOTPROS final conference</i>	37
5 Conclusion and outlook	39
Annex	40
<i>Annex I: List of events</i>	40
<i>Annex II: Scientific Dissemination</i>	46

<i>Annex III: Policy-maker contacts.....</i>	<i>50</i>
<i>Annex IV: List of referring websites</i>	<i>53</i>
<i>Annex V: Social Media KPIs reporting.....</i>	<i>58</i>
<i>Annex VI: News and media coverage</i>	<i>59</i>
<i>Annex VII: Contacts with related projects.....</i>	<i>66</i>

Table of Figures

Figure 1: The 5 SHOTPROS objectives	11
Figure 2: SHOTPROS at VRDays Europe	14
Figure 3: SHOTPROS at the OSCE	14
Figure 4: SHOTPROS at the Austrian Police Training Academy (SIK) during a workshop with 10 LEAs	14
Figure 5: VR & Police Network Meeting in Gimborn	15
Figure 6: CCI Conference	15
Figure 7: The Police President of Berlin and high-level management of the Berlin Police academy at the HF study week (see D6.1)	18
Figure 8: Minister of Internal Affairs NRW (GER) attended the 4th field trial in Selm (see D7.1) and held a speech in front of high-level police officers and SHOTPROS partners	18
Figure 9: Belgian Minister of Internal Affairs and Governor of Antwerp at the SHOTPROS final conference (see D7.3)	18
Figure 10: Unique visitors SHOTPROS website (monthly reported)	20
Figure 11: Referring websites to SHOTPROS website	21
Figure 12: Facebook posting from RMIA after the field trial in Bucharest (see D7.1 – D7.2) - 7500 views within 10 days	22
Figure 13: Instagram posting from the Berlin Police after the end user feedback week (see D6.1) – more than 3500 likes and 120 comments	23
Figure 14: Facebook posting about SHOTPROS from the Belgian Minister of internal affairs after the final conference - more than 200 likes	23
Figure 15: Distribution of media references by channel	25
Figure 16: SHOTPROS newsletter overview	26
Figure 17: General information printed material (set 1)	27
Figure 18: SHOTPROS pens and notebooks at the FT Seibersdorf (set 2)	28
Figure 19: SHOTPROS bottles (set 3)	28
Figure 20: VRPN roll-up (set 4)	28
Figure 21: Materials in the goodie bag at the final conference (set 5)	28
Figure 22: Official kick-off of the VRPN at the SHOTPROS final conference	30
Figure 23: SHOTPROS in XR4Europe newsletter	31
Figure 24: SHOTPROS promoted by the ENLETS network	31
Figure 25: Joint webinar - eNotice & SHOTPROS	31
Figure 26: Field trial Bucharest with the Romanian Ministry of Interior and the Jandarmerie (see D7.1 – D7.2)	33
Figure 27: HFstudy week in NRW with several LEAs attending (see D6.1)	33
Figure 28: Field Trial in NRW, Selm (see D7.1 - D7.2) with many high-level guests	34
Figure 29: Field trial and large-scale demo for practitioners in Berlin (see D7.1 - D7.2)	34
Figure 30: SHOTPROS received the eAward	39

Tables

Table 1: Deliverables informing this deliverable	10
Table 2: Deliverables influenced by this deliverable.....	10
Table 3: KPIs for Events - planned / achieved	15
Table 4: KPIs Scientific Dissemination - planned/achieved	16
Table 5: KPIs policy-maker contacts – planned/achieved	17
Table 6: KPIs Project Website - planned / achieved.....	19
Table 7: SHOTPROS social media channels	22
Table 8: KPIs for social media – planned / achieved	24
Table 9: KPIs Press & Media coverage - planned/ achieved	25
Table 10: KPIs for VR Police Network – planned / achieved.....	32
Table 11: VRPN feedback - Top 10 activities of the network.....	38
Table 12: VRPN feedback - Top 10 challenges of the network	38
Table 13: List of events SHOTPROS was presented at	45
Table 14: Articles in peer-reviewed journals and book chapters	48
Table 15: Publications at scientific conferences.....	50
Table 16: Policy-maker contacts of SHOTPROS	53
Table 17: List of referring websites.....	57
Table 18: SHOTPROS Social Media KPIs	58
Table 19: News and media coverage of SHOTPROS	65
Table 20: Contacts with related projects	67

Executive Summary

The present deliverable *D8.9 - Reports on Dissemination Activities including 'VR Police Network' V2* covers the dissemination and communication activities over the 42 months duration of SHOTPROS. It provides an overview of the measures taken by all partners to maximise the impact of the project in terms of dissemination and communication according to the defined strategy in *D8.1 – Dissemination Plan and Communication Guide*.

The deliverable is structured as follows:

- 1. Added value:** relation to the project objectives
- 2. Introduction:** Overall aim and strategy of dissemination and communication of SHOTPROS
- 3. Reports on Dissemination / Communication Activities:** This main chapter outlines the efforts taken by all consortium partners to promote the project, sorted by channels and tools of communication and dissemination
- 4. Report on VR and Police Network:** An overview of the status and way forward for the VR and Police Network is presented in this chapter
- 5. Summary and outlook**

1 Added value

1.1 Relation to the SHOTPROS Work packages (WPs)

The present deliverable is part of the horizontal work package **WP8 – Dissemination, Exploitation & Communication**. It reports the collaborative efforts of the consortium to promote the project with targeted dissemination and communication activities. Furthermore, the set goals and KPIs of WP8 and the achieved numbers are reported herewith.

1.2 D8.9 is informed by the following deliverables

	How did these deliverables influence D8.9?
D8.1	The present deliverable is influenced by the overall communication and dissemination strategy of the project as outlined in D8.1 – Dissemination Plan. All activities were carried out according to the defined strategies.
All (scientific/technical) deliverables	All relevant results of the SHOTPROS project were disseminated and communicated to relevant target audiences and therefore, all (scientific/technical) deliverables influence this D8.9.
D7.1 – D7.4	The reports regarding the planning and conduction of the field trials (D7.1 - D7.2) and final conference (D7.3 – D7.4) influenced this deliverable since those events had an excellent media coverage.
D8.6	The exploitation report for SHOTPROS and the defined exploitation strategy continuously influenced the measures and channels selected for the communication and dissemination of target-group relevant results.

Table 1: Deliverables informing this deliverable

1.3 D8.9 consequently feeds into the following deliverables

	How does D8.9 influence other deliverables within SHOTPROS
D8.6	The deliverable D8.6 - Exploitation Plan, Innovation Management and Business Outlook is influenced by the present deliverable since the contacts and synergies that were established and reported herewith are the basis for further use and exploitation of the results of the project. Vice-versa the exploitation plan influenced the taken measures for the communication and dissemination of the project

Table 2: Deliverables influenced by this deliverable

1.4 Relation to the SHOTPROS objectives

There is a strong relation between this deliverable and the 5 objectives of SHOTPROS (see Figure 1 as the compiled results of the project (**Objective 1 – 4**) were in the focus of the dissemination and communication of the project.

Furthermore, the VR and Police Network (**Objective 5**), its accomplishments and an outlook are included in this deliverable.

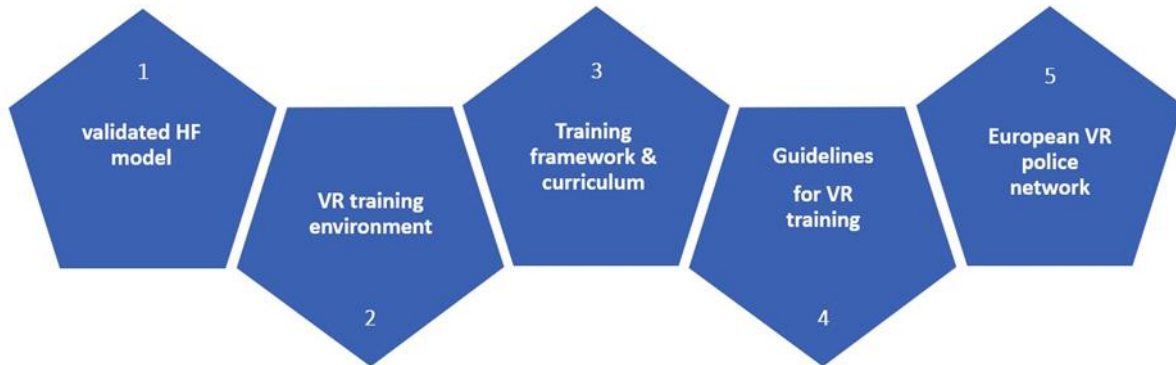


Figure 1: The 5 SHOTPROS objectives

2 Introduction

In the initial phase of the project, all activities for the external communication and dissemination activities under consideration of the target audiences and key messages were described in *D8.1 – Dissemination Plan*. Those activities were carried out in compliance with the General Data Protection Regulation (GDPR) of the European Union obligations set out by the EC. Depending on the results achieved during the project the material and messages were adapted with additional information. Also, during the course of the project when results became more on point and concise, it became much more necessary to adapt the disseminated content to the specific target audience.

This deliverable complements the first report on dissemination activities (see D8.8 – report on first 16 months of the project) and covers strategies and efforts of the whole SHOTPROS project regarding all collaborative efforts towards achieving the set key performance indicators (KPIs), maximising the impact and promoting the project are included in this document.

Strategic objectives WP8:

- **Disseminate** the results of SHOTPROS.
- **Exploit** the information, knowledge and experience gained from SHOTPROS.
- **Communicate** the progress, activities, events and accomplishments of SHOTPROS.
- **Reach** the **target audiences** and trigger their interest in the project.
- **Inform** the **general public** about the project and how they benefit from EU funded research.

3 Reports on Dissemination/Communication Activities

This chapter provides an overview of SHOTPROS' dissemination and communication activities sorted by channels. Each sub-chapter starts with an information box that summarises the goals of the measures as outlined in the Grant Agreement (GA) and the *D8.1 - Dissemination Plan*. A box with the set and achieved KPIs and a summary of how those numbers were achieved is included in each sub-chapter. Detailed data and reporting lists can be found in Annex I - VII.

3.1 Events

The project will be presented at national and international events for the public, to communicate the idea of the project and objectives to the European citizens. Also, the project will be presented at fairs and exhibitions focused on law enforcement, police training, criminology and psychology, policing, security, VR, training, human computer interaction and serious games. The goal is, to initiate discussions and meetings with policy-makers and law enforcement authorities and ministries at the national level for introducing the concept and the innovative components created in SHOTPROS.

The SHOTPROS consortium attended **several national and international, non-scientific events** to present and communicate the project, its ambition and innovations to a broader target audience (see D8.1). By the end of the project, the partners have attended **44 events (promised: 9)** focused on law enforcement training, that include exhibitions, fairs, workshops, and many more to achieve this goal (see Table 3). Thereby, they spread the word about SHOTPROS and innovative VR police training to raise awareness on the relevance and to increase the impact of the project.

The full list of events with a short description and link (if available) is presented in Annex I of this document. In addition to the events in the Annex, SHOTPROS hosted a VR & Police webinar series to communicate the project during the COVID-19 pandemic (see D1.8):

- Webinar: [VR & Police Training](#)
- Webinar: [Requirement Engineering](#)
- Webinar: [VR Training Concepts](#)
- Webinar: [Study – COVID19 and Stress for Police](#)
- Webinar: [Future Context of VR and Police](#)

Some highlight-events are presented here:



Figure 3: SHOTPROS at the OSCE

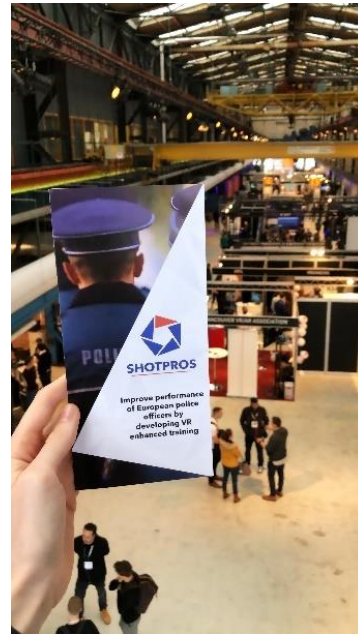


Figure 2: SHOTPROS at VRDays Europe



Figure 4: SHOTPROS at the Austrian Police Training Academy (SIAK) during a workshop with 10 LEAs



Figure 6: CCI Conference



Figure 5: VR & Police Network Meeting in Gimborn

KPIs for Events				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Number of events attended representing the SHOTPROS project (planned)	2	3	4	9
Number of events attended representing the SHOTPROS project (achieved)	14	7	23	44

Table 3: KPIs for Events - planned / achieved

3.2 Scientific Dissemination

The scientific results will be disseminated to the academic community by publishing them in relevant scientific journals and scientific conferences to inform the academic community about the progress / results and to initiate discussions on the topics of SHOTPROS.

Scientific dissemination within the academic target audience is a crucial aspect of the research and innovation project SHOTPROS. Therefore, the research partners submitted several publications at scientific conferences and journals. The full list of peer reviewed publications is presented in Annex II of this document. In scientific journals, the planned number of 6 was exceeded with 5 already accepted and 5 further papers submitted or to be submitted.

The number of conference contributions remained with 10 slightly behind the planned 14. Here 7 have already been published and 3 are in the process of completion and will be

submitted. Taking the number of journals and conferences together, the number of contributions is 23, which is above the targeted 20. The reason that many scientific contributions were only submitted at the end is that they make use of the results from the field trials that ran until summer 2022. Due to extensive analyses, it was not possible to complete them earlier.

In addition to the publications in journals and conferences, several (bachelor / master) thesis were published to disseminate the project results. At the moment of writing this deliverable (Oct 2022), 5 additional journal articles and 4 conference contributions were submitted and are currently under review. (see Annex II)

KPIs for Scientific Dissemination				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Number of scientific publications in peer reviewed journals and books (planned)	0	2	4	6
Number of scientific publications in peer reviewed journals and books (achieved)	0	3	7 + 5¹	13
Number of scientific publications in peer-reviewed International Conferences & Workshops (planned)	2	5	7	14
Number of scientific publications in peer-reviewed International Conferences & Workshops (achieved)	2	2	3 + 4²	11

Table 4: KPIs Scientific Dissemination - planned/achieved

3.3 Policy-Makers – Contacts and Toolkit

SHOTPROS will provide strategies, decision-making support and a toolkit for policy-makers. The strategies are derived from the project results and take into consideration policy goals and identified policy questions and problem areas. The toolkit compiles materials that are relevant to policy strategies and -decisions, help policy-makers understand requirements of LEAs concerning DMA-SR training, and the pros and cons of (VR) training methods and

¹ Additional 5 journal articles were submitted and are under review by October 2022

² Additional 4 conference publications were submitted and are under review by October 2022

provide insights that can contribute to attain policy goals like improvement of security, perceived security and image of the police.

The SHOTPROS consortium has established contacts with policy- and decision-makers in the field of police training on a national and European level throughout the duration of the project. Depending on the event, the policy-makers received additional information for their use and had the opportunity to try-out the solution themselves in dedicated showcase trainings in addition to trainings with end users. The brief report regarding policy-maker contacts in this deliverable is complemented by the deliverable *D8.5 Policy-maker Toolkit and Strategies*.

In the SHOTPROS context, we define policy-makers as following: Persons who have the authority to introduce training frameworks and guidelines into law enforcement organisation (or adapt them) like the ministry of internal affairs or management on European, federal, state or even organisational level of law enforcement organisations. This includes decision makers who have the authority to decide on purchasing VR training solutions, management of police academies, training provider organisations (private or state), law enforcement authorities, policy-makers responsible for law enforcement and their training on a national and international level and similar.

KPIs Policy makers				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Contacts with policy-makers (planned)	-	3	7	10
Contacts with policy-makers (achieved M16)	5	3	11	19

Table 5: KPIs policy-maker contacts – planned/achieved

In Annex III, the full list of policy-maker contacts is presented. The project got in **contact with policy-makers on more than 19** occasions. The number of policy-makers on a person-level is way higher but can only be reported as estimation since it is not known for all events in detail (see Annex III). However, the aimed number of 10 policy-maker contacts is definitely exceeded as stated in the list of contacts.

Some impressions of policy-maker contacts of SHOTPROS:



Figure 7: The Police President of Berlin and high-level management of the Berlin Police academy at the HF study week (see D6.1)



Figure 8: Minister of Internal Affairs NRW (GER) attended the 4th field trial in Selm (see D7.1) and held a speech in front of high-level police officers and SHOTPROS partners



Figure 9: Belgian Minister of Internal Affairs and Governor of Antwerp at the SHOTPROS final conference (see D7.3)

3.4 Project Website

The website of the project is a key channel for communication and dissemination of SHOTPROS. It is set up in M2-3 and will be available by M4. Its content includes information about the project's objectives, activities, and progress of work, events, consortium partners, accomplishments and results. USECON will update this website periodically with information provided by all the partners. The design of the website is conform with the visual identity of SHOTPROS.

The website has been developed and launched in the beginning of the project. Since then, it has been updated by USE with all relevant information about the progress and results of the project. In M9-M10, the website was re-designed to increase the usability and enhance the visual appearance. In total, **47 articles** were published in the **news section** and can be read here: <https://shotpros.eu/category/news/>.

KPIs for the Website				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Number of unique visitors on the website (planned)	1500	1500	1500	4500
Number of unique visitors on the website (achieved by M42)	2275	7850	14734	24859
Cumulated number of referring websites (planned)	2	5	10	10
Cumulated number of referring websites (achieved M42)	8	24	45	45

Table 6: KPIs Project Website - planned / achieved

All partners promoted the website to increase the traffic and the number of referring websites for a higher impact of the project. Thereby, also the **targeted KPIs for the website**, namely the number of unique visitors and the cumulated number of referring websites was **overachieved** (see table 9).

The aimed number of unique visitors by the end of the project was 4500. The collaborative effort of all project partners resulted in a total number of almost **25000 unique visitors**

throughout the duration of the project. The numbers were tracked on a monthly basis and are visualised in figure 11.

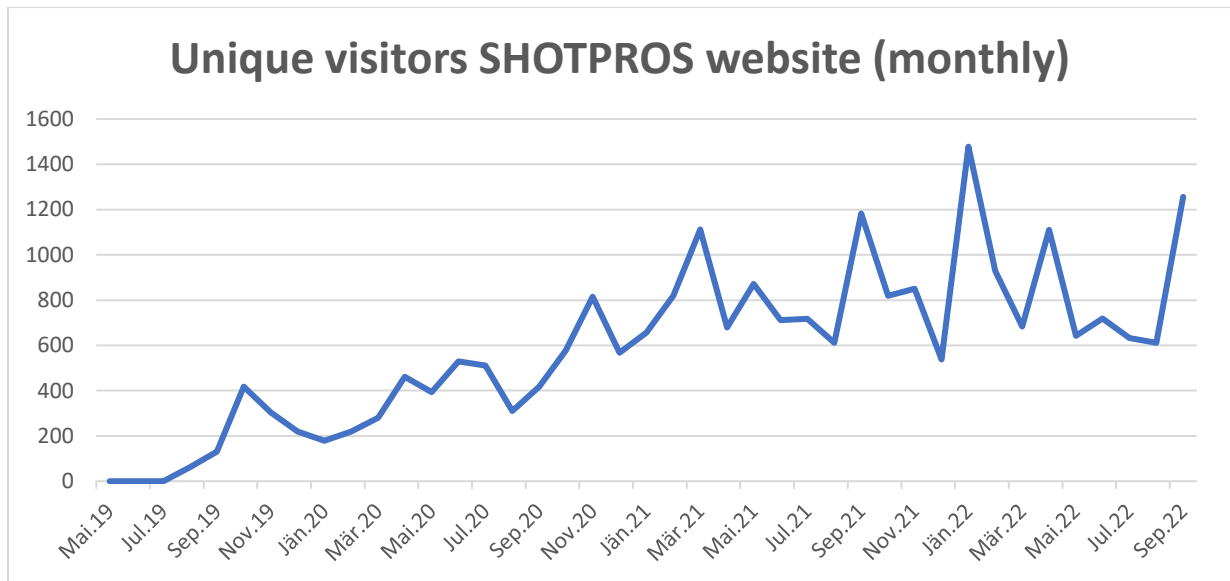


Figure 10: Unique visitors SHOTPROS website (monthly reported)

The second KPI regarding the project website is the cumulated number of referring websites. In the context of online marketing and communication, referring websites (also called backlinks) are important for the search engine optimisation (SEO). The more liable websites refer to the own website, the better it is ranked in search engine results lists. SHOTPROS has reached a **cumulated number of 45 backlinks (planned: 10)** by the end of the project. All of those links are from reputable websites and can be found in Annex IV. To actively raise this numbers, we encouraged partner project for link exchange and certain events like the final conference were also promoted with links by relevant other networks like for example XR4Europe to increase the visits. Figure 12 displays the distribution of backlinks from websites hosted by media, governments, project partner organisations, other projects / networks and research websites.

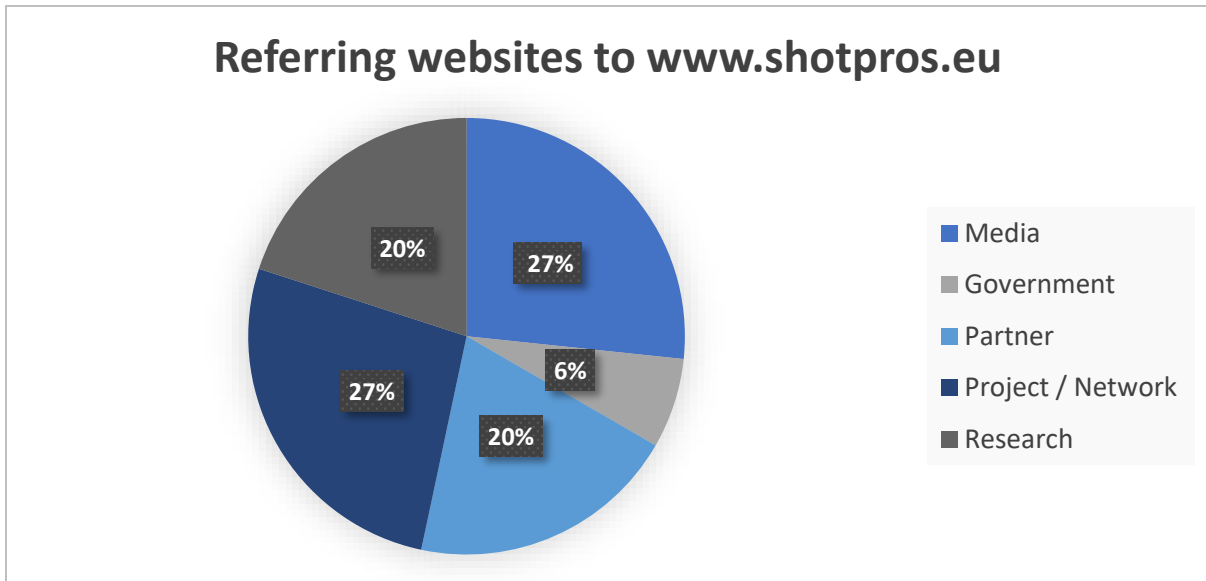


Figure 11: Referring websites to SHOTPROS website

3.5 Social Media

All of the SHOTPROS social media channels will be used throughout the whole project duration and existing social media channels and websites of the partners will be used to communicate the project to their specific target audiences in their preferred languages. The goal is, to increase the impact of communication and achieve interaction and engagement with the targeted audiences.

The SHOTPROS social media channels were set up in order to **increase the public awareness** of the project and to allow for **interaction with stakeholders** from different fields. All project partners supported and promoted the channels with their private and organisational channels to achieve a multiplier-effect. SHOTPROS raised a lot of positive awareness in the media and **over-fulfilled the KPIs (see table 8) by a multiple**. The full reporting of the KPIs reached per channel can be found in Annex V. All social media channels and the respective links are provided in table 7 below.

Social media channel	Link	Note
Twitter	Link	-
LinkedIn group	Link	-

ResearchGate	Link	-
Facebook	Link	-
YouTube	Link	Established in year 2 to publish the recorded webinars and other video material; was received very well by the target audience.
Twitter (VRPN)	Link	Established in year 3 as the VRPN was mature enough to do so.

Table 7: SHOTPROS social media channels

In addition to the channels owned by the SHOTPROS project, there were several **highlight postings** published by the project partners and stakeholders’ institutional channels with a high impact.

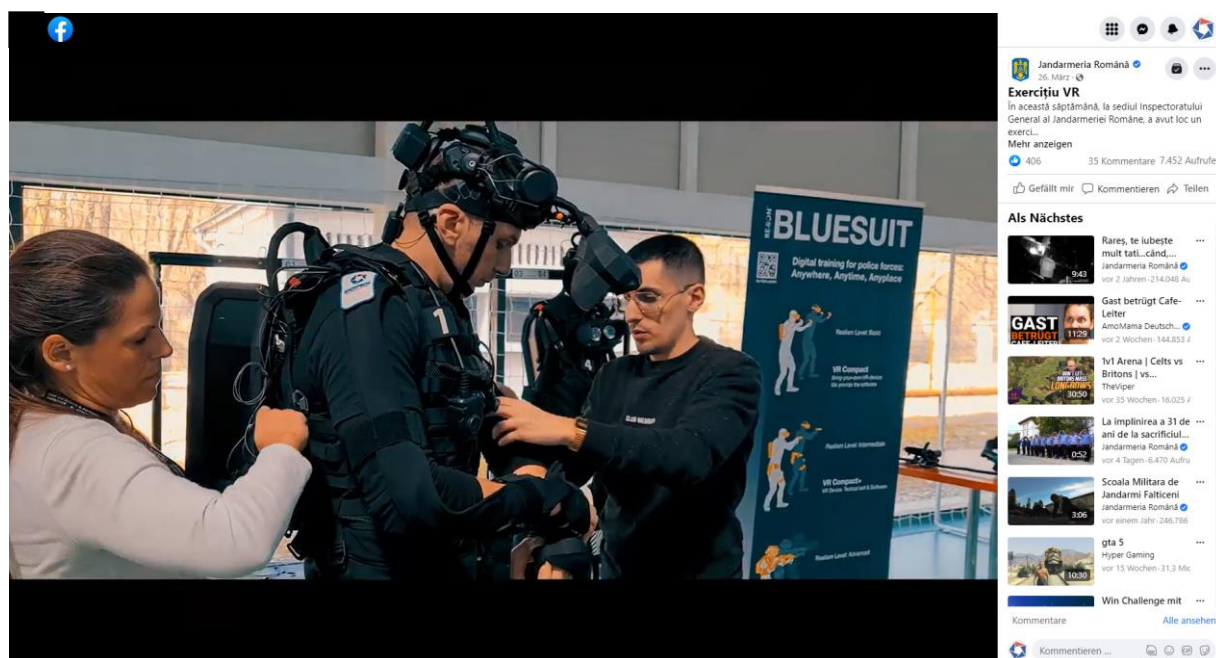


Figure 12: Facebook posting from RMIA after the field trial in Bucharest (see D7.1 – D7.2) - 7500 views within 10 days

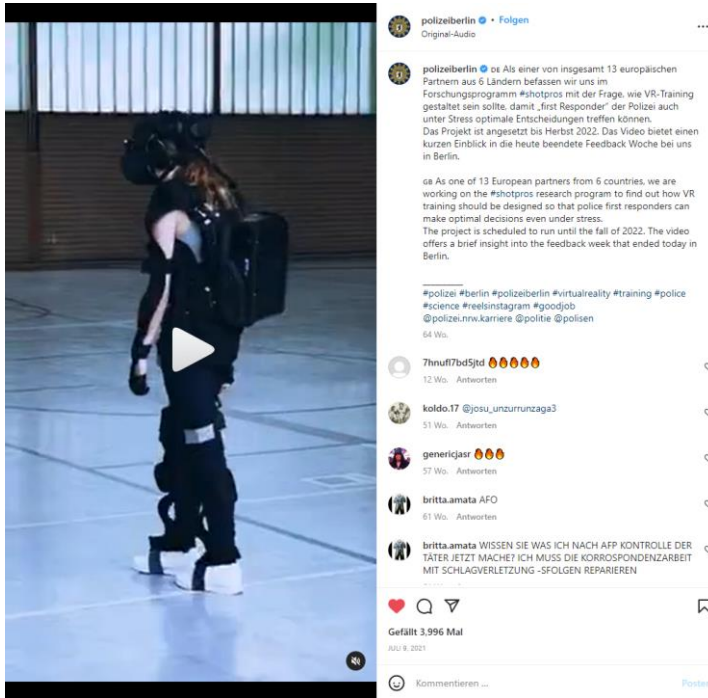


Figure 13: Instagram posting from the Berlin Police after the end user feedback week (see D6.1) – more than 3500 likes and 120 comments

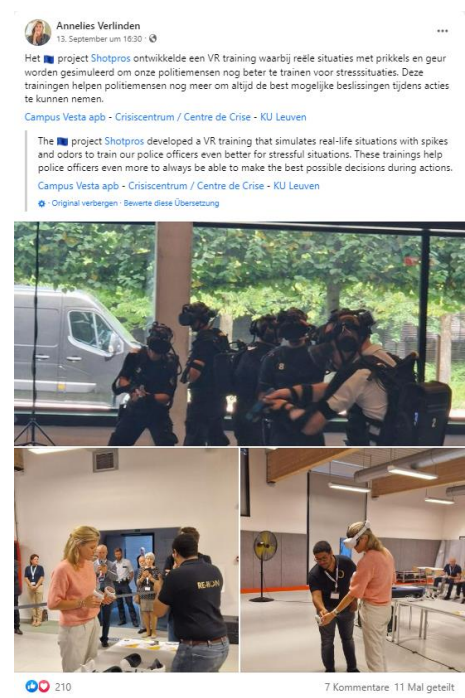


Figure 14: Facebook posting about SHOTPROS from the Belgian Minister of internal affairs after the final conference - more than 200 likes

KPIs for Social Media - Plan				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Number of SHOTPROS posts in social networks (planned)	20	20	20	60
Number of SHOTPROS posts in social networks (achieved)	102	134	349	592
Cumulated number of social media community (planned)	100	125	150	150
Cumulated number of social media community (achieved)	202	315	634	634
Cumulated number of social media reactions (planned)	100	125	150	150

This project has received funding from the European Union’s Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium’s view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



Cumulated number of social media reactions (achieved)	846	2231	6322	6322
Quality of social media comments: neutral, positive, negative	Neutral or positive social media comments			

Table 8: KPIs for social media – planned / achieved

3.6 News and media coverage

Press releases will be generated to target the general media and special interest media. Press releases are created for communication with the public and defined stakeholders to raise awareness for SHOTPROS and to inform about the project progress. The press releases will be written in German and English by WP8 leader USECON and sent out to all partners. The consortium members will forward them to their press contacts and, if necessary, translate them in their native language beforehand.

*The **periodical newsletter** will be available for the specific target audiences, as well as for the general public. The topics of the newsletter will correspond with the overall strategy and the current accomplishments and events of the project. Depending on the interest and reach of the newspaper, we are planning to adapt the content for different target audiences.*

The SHOTPROS project has distributed several press releases to increase the media awareness of the project and to communicate major accomplishments and milestones to a broader audience and the European public. All press releases are available in different languages on the project website - <https://shotpros.eu/press/>. Additionally, the partners invited press and media representatives to the events hosted by the project (such as the field trials (see D7.2), the HF study weeks (see D6.1) and the final conference (see D7.3)). To do so, several sets of press materials with key information about the project were developed, translated to the respective language of the hosting country and distributed. Thereby, SHOTPROS achieved to reach all press and media KPIs, with **60 references (promised: 8) of the project in the media.**

As shown on figure 16, most of the media publications were in (online) newspapers (more than 40%), followed by special interest magazines with 18%. The news coverage in TV and radio was each about 13% of the total. The full list of media references including links (if available) can be found in Annex VI. Screenshots of articles are not included in this document due to its public nature and for copyright / GDPR reasons.

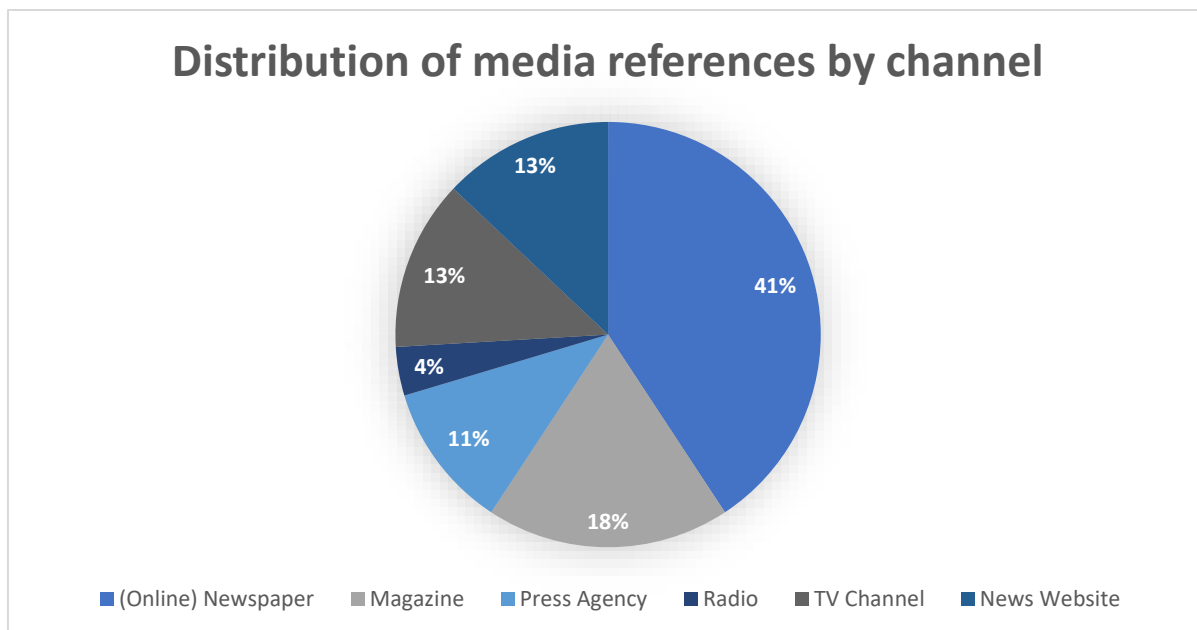


Figure 15: Distribution of media references by channel

KPIs for Press & Media Coverage				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Number of press releases delivered to media (planned)	1	1	1	3
Number of press releases delivered to media (achieved)	2	1	2	5
Newsletter distribution (planned)	1	1	2	4
Newsletter distribution (achieved)	1	2	3	6
Number of references in media (offline and online) (planned)	1	2	5	8
Number of references in media (offline and online) (achieved)	20	12	28	60

Table 9: KPIs Press & Media coverage - planned/ achieved

In addition to the press releases, **6 SHOTPROS newsletters (promised: 4)** were distributed to update the target audience with project results and to invite them to events (e.g. webinars, final conference). The number of newsletter subscribers increased steadily to 87 persons by

the end of the project. The topics of the newsletter and the **opening rate**, which was **on average 43,65%** are displayed in table 17 below.

All newsletters are online available on the project website: www.shotpros.eu/press

Newsletter No	Topic	Date	Opening rate	Recipients
Newsletter 1	Project information	April 2020	30,77%	13
Newsletter 2	SHOTPROS Webinars	Oct2020	57,50%	81
Newsletter 3	Project updates	Dec 2020	47,44%	80
Newsletter 4	Webinar invitation	Mar 2021	42,50%	81
Newsletter 5	Project updates	Ap 2022	40,00%	84
Newsletter 6	Final Conference	July 2022	43,70%	87

Figure 16: SHOTPROS newsletter overview

3.7 Printed Materials

*Printed materials for policy-makers and end users: Project brochures and other printed materials (at least 5 sets throughout the project) will be prepared as the project advances for distribution among SHOTPROS' target groups, but with a special focus on the target groups of policy-makers and end users. Also, general project brochures and printed materials (**5 sets throughout the project**) for presentation during workshops and during participation at national and international events for the general public (e.g. info days, meetings with community stakeholders, NCPs) will be prepared.*

All of the printed materials will be designed in accordance with the visual identity of SHOTPROS and with all other dissemination and communication tools and channels in order to ensure a high recognition value.

5 sets of printed materials were developed for SHOTPROS and are reported in detail in the respective deliverables *D8.3 – Dissemination Materials V1* and *D8.4 – Dissemination Materials V2* (see D8.3 - D8.4).

The **first set** with general information about SHOTPROS was designed by USE in the first months of the project and handed out to the partners at the 2nd Consortium Meeting in Leuven for further distribution. Figure 18 shows set 1 of the printed materials (left) and the flyer at the VR Days Europe (right). The **second set** was developed to complement the first one with **branded give-aways** (pens, notepads and peanut bags). The **third set** was developed specifically for the field trials and included patches, stickers and re-usable bottles. For the establishment of the VRPN (see figure 21), a **fourth set** of materials was developed and ordered. The **fifth set** covers all materials that were developed for the final conference (see D8.4), such as the policy-maker toolkit flyer, the press folder, additional roll-ups and the photo wall. All dissemination materials were well received by the participants of events, workshops and meetings where they were handed out.

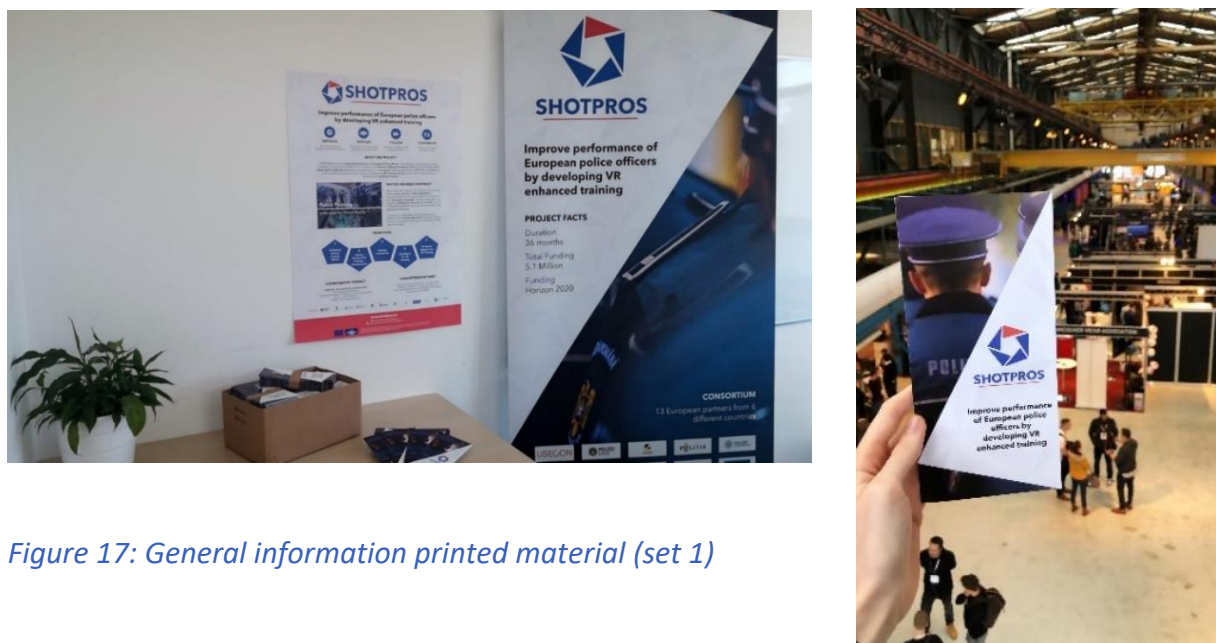


Figure 17: General information printed material (set 1)

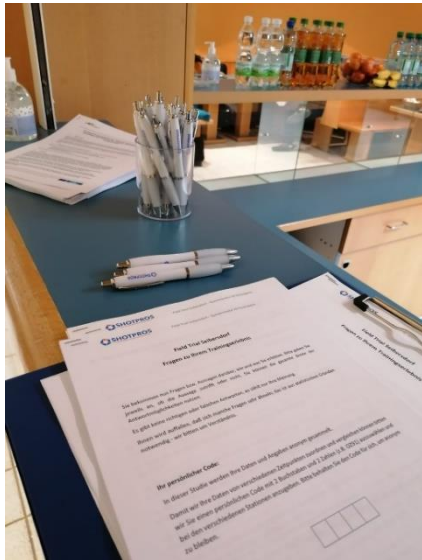


Figure 18: SHOTPROS pens and notebooks at the FT Seibersdorf (set 2)



Figure 19: SHOTPROS bottles (set 3)

Figure 20: VRPN roll-up (set 4)



Figure 21: Materials in the goodie bag at the final conference (set 5)

The materials are also available for download on the SHOTPROS website: www.shotpros.eu/press

3.8 VR Police Network and exchange with related projects

This task comprises two streams:

First, to establish a Europe-wide network with law enforcement agencies and training academies, and second, to foster synergies with related projects (e.g LAW-TRAIN, eNOTICE, ILEAnet, i-LEAD etc.). In a future step, the network will be broadened to non-European Police forces. The "VR Police Network" will include the LEAs from SHOTPROS and also involve LEAs from European Police Agencies which are not part of the project team. A platform will be established during the project that will be self-sustainable in order to continue beyond the duration of the project.

3.8.1 VR & Police Network

The **Virtual Reality and Police network (VRPN)** was established during the project according to the strategy and implementation plan as outlined in D8.10 - *VR Police Network for LEAs: Mission Statement and Implementation Plan*. Based on the goals, scope and methodological approach and action plan for the VRPN was developed and carried out by all project partners. Through the collaborative effort, a total of **90 official network members (promised: 30)** with **LEAs from 18 different countries** (BE, DE, NL, IT, LU, SE, RO, LV, FR, UK, NO, IS, AT, DK, MT, PT, PO, CH) was achieved.

The official kick-off event was the final conference (see D8.11) in September 2022 with 130 participants. In addition, several smaller networking events (e.g. [DACH-group meeting in Gimborn](#)) with sub-groups of the VRPN were conducted to engage the members and foster exchange.




Figure 22: Official kick-off of the VRPN at the SHOTPROS final conference

By the end of the project (October 2022), SHOTPROS is discussing a **collaboration with EUROPOL** to integrate the **VRPN as special interest group** and thus, ensure the sustainability and further uptake of results. More details about the network are provided in chapter 4 of this document.

3.8.2 Contact with related projects

The SHOTPROS project got in contact and exchanged with **more than 20 other projects and networks**. These synergies led to joint events, invitations to studies and workshops of each other, as well as knowledge exchange to efficiently work on common topics. The full list of projects with which SHOTPROS partners have been in contact is presented in Annex VII.

Example – SHOTPROS final conference was promoted in the [newsletter of XR4Europe](#).



SHOTPROS FINAL CONFERENCE

The H2020 project [SHOTPROS](#) has started in 2019 to investigate and develop **innovative training for European police officers enhanced by Virtual Reality (VR)**. In the first half of this year, the outcomes were presented and demonstrated on a [roadshow across Europe](#).

Now, as the project is approaching its end, SHOTPROS and the VR Police Network are hosting the **final conference “VR for Police: Drive the police into the future” to share results and outlooks on the topic of VR police training and beyond**. Experience exciting talks and try-out sessions with a programme for police organisations and other stakeholders in the policing context.

Dates and venue: **14-15 September 2022** in **Ranst**, Belgium at Campus Vesta.

Contact details: info@vrandpolice.eu

[More info](#)

Figure 23: SHOTPROS in XR4Europe newsletter

Example – SHOTPROS introduced at the ENLETS (The European Network of Law Enforcement Technology Services) [website](#) (see figure X) and promotion of the [final conference](#).



SHOTPROS: Train - Decide - Act
13.06.2022

SHOTPROS

An EU-funded project running from the 1st May 2019 to October 31 2022.

Police officers are typically the first emergency personnel to arrive at a scene of a high risk or crisis situation. Emergency preparedness is vital in such cases. Oftentimes, police officers are forced to make decisions in dangerous, high stakes situations with ambiguous information under severe time constraints.

SHOTPROS project aims to investigate the influence of psychological and contextual human factors (HFs) on the behaviour of decision-making and acting (DMA) of police officers under stress and in high risk operational situations to design better training for police officers to improve DMA Performance. SHOTPROS will develop a Virtual Reality (VR) solution to experimentally assess the degree to which these factors influence DMA behaviour.

Subsequently, the project will develop a Human Factor rooted training curriculum and a corresponding VR training solution to provide a comprehensive framework for practical training for decision-making and acting under stress and in high-risk (DMA-SR) situations in order to improve performance. The training will increase DMA-SR performance, which will lead to better decision-making.

1. Enhanced and virtualized Police Training Module for high-risk situations
2. Virtual Reality (VR) Environment and Training Module for the General Public and Police Officers
3. Enhanced Police Training Curriculum and Framework for DMA-SR
4. Solution for VR Training and Performance Improvement
5. Enhanced Police Training Module for high-risk situations

The Malta Police has joined ENLETS

Figure 24: SHOTPROS promoted by the ENLETS network



SHOTPROS @shotpros · May 17, 2021

Register now for the joint webinar from @SHOTPROS and @H2020_eNOTICE about "#CBRN and #VirtualReality training" on 1st June 2021, 13:00-16:00 📅💻

Link to register forms.office.com/r/9wZzaTF0cS ✓

Joint Webinar

1st June 2021
1 PM – 4 PM
online

CBRNE and Virtual Reality training

Register now <https://forms.office.com/r/9wZzaTF0cS>

These projects have received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672 (SHOTPROS) and grant agreement No 740521 (eNOTICE). The content reflects only the consortium's view and the Research Executive Agency and European Commission is not liable for it.

Figure 25: Joint webinar - eNotice & SHOTPROS

KPIs for the VR Police Network				
	Year 1 (M1-12)	Year 2 (M12-24)	Year 3 (M25-42)	Total
Members of SHOTPROS "VR & Police Network" (cumulative) (planned)	10	20	30	30
Members of SHOTPROS "VR & Police Network" (cumulative)	0	30	80	80
Exchange with related projects (cumulative) (planned)	1	2	5	5
Exchange with related projects (cumulative) (achieved)	6	8	9	24

Table 10: KPIs for VR Police Network – planned / achieved

In the last year of the project, the VRPN was also represented in events of other European projects like the final conference of **Cutting Crime Impact (CCI)** and **TRANSTUN** in September and November in Brussels.

3.9 Other activities: Research studies, field trials & business meetings

Research activities were not explicitly named as communication activities in D8.1, however, a huge number of **practitioners, trainers and other potential end user** received information about the project by being part of the research studies conducted in SHOTPROS. The research activities are reported in *D6.1 – Human Factors Study Plan*. Moreover, the field trials of SHOTPROS (see D7.1 – D7.2) were used as opportunity to invite **media representatives, LEA professionals, police management and policy-makers for showcasing purposes** as reported in chapter 4 and in *D8.5 – Policy-maker toolkit and strategies*.

Moreover, several **business meetings** were conducted (see D8.6) to refine the exploitation strategy and to get an insight into the **market potential** (see D8.5) of the project results.

Hence, those activities also contributed to **raise the awareness** of the project and increase the impact of the project. Some impressions of the studies and activities contributing to the project communication through a high-end user involvement are provided below:



Figure 26: Field trial Bucharest with the Romanian Ministry of Interior and the Jandarmerie (see D7.1 – D7.2)



Figure 27: HFstudy week in NRW with several LEAs attending (see D6.1)



Figure 28: Field Trial in NRW, Selm (see D7.1 - D7.2) with many high-level guests

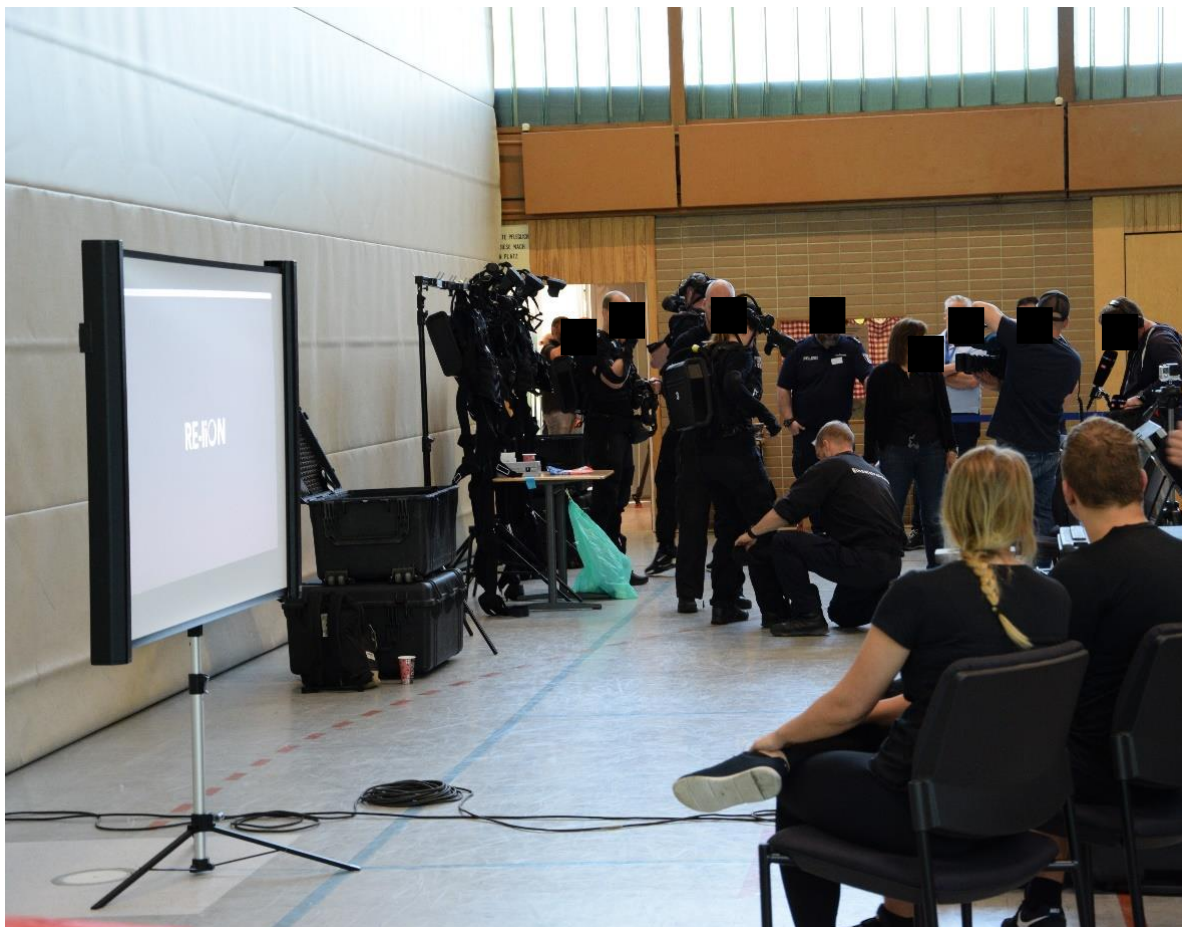


Figure 29: Field trial and large-scale demo for practitioners in Berlin (see D7.1 - D7.2)

4 Report on VR & Police Network

The VR & Police Network was established through the course of the SHOTPROS project to close the gap of knowledge and strategy between European VR & Police projects and stakeholders. This report complements the action plan for the VRPN in D8.10 - *VR Network_v3.0*.

4.1 Summary of the VRPN action plan

D8.10 describes the **Mission statement, goals, scope, KPIs & methodology, activities and target members** of the sustainable VRPN.

The **mission statement** of the VRPN is to enhance and encourage the use and development of VR for Police and raise awareness for VR topics. The baseline used is: **VR and Police – Drive the police into the future**.

Implementing the mission statement is done by:

- Providing access to new knowledge (and future trends) in relation to VR and police training
- Enable exchange of communication (exchange experiences in platform/forum)
- Experience the future possibilities of VR (including future pan-European standardisation of VR)

4.2 VRPN website as platform and knowledge hub

The **network website** was set up as key channel that contributes to the goal of providing a platform to structurally connect stakeholder in the field of VR and police training and to enable knowledge exchange. The website was developed and tested in year 2 of the project and is divided in two distinct sections – the public website and the secure members area. An overview of the contents of each section with links is provided below:

Public website www.vrandpolice.eu

- Vision of the network- drive the police to the future ([Homepage](#) and [about the network](#))
- Benefits of the network and advantages for membership ([Homepage](#), [about the network](#), [FAQ](#))
- VRandPolice topics ([Topics](#))
- Events and activities of the network ([Events](#))
- Relevant projects ([News](#))

- Research on VR and Police ([Virtual Reality research](#))
- Membership application form ([Application](#))
- Newsletter subscription (on the [Homepage](#))
- Contact information and contact form ([Contact](#))

Members section of www.vrandpolice.eu

- [Knowledge and learning hub](#)
- Member Experience [Forum](#)
- Profile page (visible when logged in)
- [Member](#) calendar

The members section contains all content that was planned in D8.10 and is maintained and updated regularly by the task-lead VESTA and the consortium partners.

4.3 Report on the implementation of the VRPN

The SHOTPROS consortium has worked on the establishment of the network throughout the duration of the project. Thereby, the goal of channelling the contacts and building a **self-sustainable network beyond SHOTPROS** was achieved. Several meetings, events and the final conference contributed to an increase of VRPN network members.

The **membership subscriptions** steadily grew in the last months towards the final conference and resulted in a total of **90 official network members**. During the FTs (see D7.1 -D7.2), many new contacts were made, and members gained. Another source were the growing public interest on the social media platforms on Twitter and LinkedIn. In the last half year of SHOTPROS, from March to October 2022, membership grew over 30%, mostly from stakeholders outside SHOTPROS and its consortium members. At the moment of writing this deliverable (October 2022), around 35% of the members are not related to SHOTPROS.

Furthermore, the potential for a VRPN is growing:

- In 2019, SHOTPROS started with 6 (partner) LEAs, who jointly have 250.000 police officers to maintain the public order and guarantee the safety of 60 million citizens
- In 2022, the project is closed with a final conference with 18 LEAs, who jointly have 825.000 police officers to maintain the public order and guarantee the safety of 233 million citizens

The significance of these statistics is simple: SHOTPROS (and thus the potential of the VRPN) managed to achieve the goals it set out at the start and managed to amplify the reach of our results and dissemination with a factor 3.

4.4 VRPN kick-off at the SHOTPROS final conference

During the SHOTPROS final conference, a session was held at the end of the first conference day to present a state of play of the network. On the second conference day, 3 dedicated workshops on the VRPN were conducted. More information on these can be found in the reports in D7.3 - *Report on the SHOTPROS demonstration at the final conference*, D8.9 – *Dissemination Report V2* and D8.11 - *SHOTPROS Final Conference Proceedings*.

During the 3 workshops, fruitful discussions on how to further develop the VRPN and the expectations of the stakeholders took place. This input was enriched by a questionnaire that was presented to the participants of the conference. All these inputs were aggregated in a report of the workshop results and included in the Exploitation Plan of SHOTPROS (see D1.8 Annex). Campus VESTA will invest resources into the VRPN in order to be able to continue the SHOTPROS dissemination, to prepare and organise events over the course of 2023.

The majority of the conference participants filled out the online questionnaire about the VRPN. Of all respondents, **80% are very positive and willing to become a member of VRPN**. There is a consensus that we should work **broader than just VR and police training** and also **include other VR applications in other sectors of policing**.

Of all participants responding, this is the top 10 of their answers on the question: **“What would you like to see the VRPN do?”**

What would you like to see the VRPN do?	Number
Fast, practical & efficient FORUM for sharing info, ideas, scenarios, knowledge, NEW updates-developments-technology	12
Networking, connecting LEAs, support, collaboration on implementation in a safe environment (EU-world)	12
EVENTS: Conferences, innovation networking with EC and other LEAs, meetings to share knowledge, workshops	10
Server with database: VR contact lists (which system/tech, level of implementation, results, experience etc.) VR scenarios	8
Further promote improve the VR training opportunities (visual realism), do studies and keep innovating	4
Foster synergies on different topics with other first responder organisations (include CBRNe topics)	3
Demos to convince LEA hierarchy, help to implement VR, help to choose	3
Interface between Police - trainers - VR enterprises - science - economy – etc. (also on standardisation issues)	3

Focus on organisations - with passionate people to promote VR more through visual means than reading materials	3
Permanent end user management: what do our members want/need?	2
TOTAL aggregation of all answers/ideas	60

Table 11: VRPN feedback - Top 10 activities of the network

The participants also answered the question: **“What are the most obvious obstacles to overcome for the VRPN?”** This is the top 10 of obstacles to overcome.

What are the most obvious obstacles to overcome for the VRPN?	Number
Funding of VRPN	12
Convincing the hierarchy of LEAs (implementation, standards, lack of time/resources, resistance to change, motion sickness)	8
Bring together a minimum core of active members that are committed and are visible, create authority	6
Setting up a structure, bringing VRPN alive, make people use it long term, post, exchange, etc.	6
To provide quality information and broad membership in all fields of policing (with respect for diversity)	5
Establishing enough TRUST, and a good technical platform to allow sharing	5
Competition from (or synergetic cooperation with) existing networks to create a broad EU network	4
Convince organisations/end users of benefits of VR, change, innovation, etc. (good mix of experienced/not exp. members)	3
Who leads, keeps oversight, secures continuity etc.?	2
Create interesting new content (without giving private enterprises too much room for advertising)	1
TOTAL aggregation of all answers/ideas	52

Table 12: VRPN feedback - Top 10 challenges of the network

VESTA has further elaborated an action plan to prepare the long-term strategy of the VRPN (e.g. collaboration with EUROPOL) and to address the main obstacles. Thereby, the sustainability of the network beyond the duration of SHOTPROS can be ensured.

5 Conclusion and outlook

SHOTPROS goal was to involve and address all relevant stakeholders by using the suitable channels and means of communication. This work has been carried out successfully by all project partners led by USE as WP8 owner and project coordinator. All KPIs and outlined plans in terms of dissemination and communication were (over-) fulfilled and achieved.

The great interest in the project and the positive feedback that was received leads to the conclusion that the innovations of the project will be taken up and further used by practitioners in the field of law enforcement. To enable this, the consortium has developed an exploitation plan (see D8.6) with specific business strategies to transfer the project results into marketable products.

In addition to the exploitation after the end of the project, all partners will further disseminate the results according to the contractual agreement as described in the GA and DoA. The established VRPN will be the main driver and accelerator for further networking, dissemination and exploitation of the SHOTPROS results.

Finally, the SHOTPROS project got awarded with the [Austrian “eAward”](#) in the category education and social mid-October 2022. It was a great honour to receive the most important business prize for digitalisation in Austria at the end of 3 ½ successful years of SHOTPROS.



Figure 30: SHOTPROS received the eAward

Annex

Annex I: List of events

Partner	Event	Date	Link	Short description
AIT	Austria Robotic workshop	May 2019	Link	AIT representative held a keynote about 'Automation Experience: An Experience Centered View into Automated Contexts' and mentioned SHOTPROS as example.
VESTA	Field Exercise @Campus VESTA	May 2019	Link	Several SHOTPROS partner attended the annual field exercise at Campus VESTA premises to explore the possibilities for the (VR-) Field trials that will be conducted in the second project period (amongst others) at Campus VESTA.
AIT	FFG Forum Innovation	May 2019	Link	AIT representative held a presentation and mentioned SHOTPROS as example.
UHEI	ASP2019	June 2019	Link	UHEI attended the 51st annual meeting of the Working Group for Sport Psychology (ASP2019) and presented SHOTPROS in two keynotes.
AIT	Qomex	June 2019	Link	AIT representative mentioned the SHOTPROS project several times as part of the co-chairing at the QoMEX conference.
VUA	FEPSAC2019	July 2019	Link	Project partner from VUA and UHEI attended the conference and reflected on the presentations they have heard with respect to the relevance for SHOTPROS.
AIT	Strategic Research Meeting	Sep 2019		AIT representative gave an overview of envisioned SHOTPROS development and the potential abilities of VR training for decision making and acting in different use cases

				(police, firefighters, military). This was followed by a discussion about the opportunities to integrate SHOTPROS topics in the upcoming strategic research agenda.
USE/AIT	Customer Experience Forum	Oct 2019	Link	The event was moderated by USE and AIT presented the potential of VR to enhance Customer Experience with SHOTPROS as example.
VESTA	Medea project conference	Oct 2019	Link	VESTA held a presentation on practitioners' involvement and end user management based on the strategies that were (further) developed for SHOTPROS.
VUA	VR Days Europe	Nov 2019	Link	The VUA Team attended the VR Days Europe and distributed SHOTPROS flyers and folders.
USE	German Police Trainer Association	Nov 2019	Link	USE held a keynote at the annual meeting of the “German police trainer association” about the SHOTPROS project and the potential of VR in police training.
USE/AIT	OSCE Meeting	Nov 2019	-	SHOTPROS got invited from the OSCE (Organization for Security and Co-operation in Europe) to the Annual Police Academies Network Meeting at the Hofburg in Vienna on the topic of “Future Police Training”. USE and AIT attended the meeting and presented the ideas and approach of SHOTPROS within a special network for Police & Security Training.
SPA	Active Shooter Conference	Dec 2019		A representative from SPA attended the Active shooter and Amok cases conference of the “The Security Academy (SIAC) of the Austrian Federal Ministry of the interior” in Vienna and discussed the potential of police training in VR and the SHOTPROS project.
USE	Project2Policy kick-off Seminar	Jan 2020	-	USE presented the SHOTPROS project and the (expected) policy impact and tools at the Secure Societies “project to policy kick off seminar”.

UHEI	Workshop Police Mannheim	Sept 2020		UHEI presented the SHOTPROS project and the shot-covid study at the Polizeipräsidium Mannheim.
AIT	European Researchers Night	Nov 2020	Link	AIT- Austrian Institute of Technology presented the project and its ambitions at the #ERN2020
UHEI / KUL	CEPOL Webinar	Jan 2021	Link	SHOTPROS partners contributed to the CEPOL Webinar about Policing the COVID19 Pandemic and shed light into the topic from a research perspective
UHEI	Research Kolloquium University Heidelberg	Feb 2021	Link	UHEI presented research results during a colloquium with the title "Self-control in police service: psychobiology, performance and training under stress."
KUL	CEPOL Webinar	Feb 2021	Link	Contribution to the CEPOL Webinar: Policing the pandemic - lessons (to be) learned"
USE / AIT	CERIS Workshop	Feb 2021		SHOTPROS held a talk as part of the CERIS workshop about the protection of public spaces
USE / AIT	eNotice Webinar	May 2021	Link	Joint webinar about CBRN and VR training hosted by SHOTPROS together with the H2020 project eNotice
VUA	Management Meeting Zurich Police	June 2021		The results of the Zurich 1 study were presented to an upper management delegation of the Zurich city police and further collaborations were discussed.
AIT	FFG Webinar	Aug 2021		AIT presented SHOTPROS during a Webinar from the FFG (Austrian national research agency) as experience report for writing proposals

AIT	Alpach Technology Talks	Aug 2021	Link	SHOTPROS was mentioned as Example for Human centred innovation at the Alpach technology talks
USE / AIT	SIAK Workshop	Aug 2021		SHOTPROS was presented at a workshop from the Austria police training academy (SIAK) and held a workshop about "VirtualReality in Police Training". More than 10 European Law Enforcement agencies were present
USE	Transtun Exercise	Sep 2021	Link	SHOTPROS was present at the exercise of the Transtun (H2020 project) for knowledge exchange and networking during the exercise
BP	Police Attaché Meeting	Sep 2021		SHOTPROS was presented by the berlin police during an international meeting of police attachés from Europe and Canada
AIT	FFG Webinar	Oct 2021	Link	SHOTPROS contributes to an webinar hosted by FFG (Austrian national research agency) about "Civil Security for Society"
USE	Connexions Workshop	Oct 2021	Link	SHOTPROS contributed to the CONNEXIONsEU (H2020 project) workshop on "Crime investigation and training through 3D reconstruction"
RL / USE	Police Symposium	Nov 2021	Link	Our coordinator USE and technology partner RE-liON presented the project and the SHOTPROS Virtual Reality solution at the Technology for police Symposium in Würzburg
VESTA / KUL	CCI 2021	Nov 2021	Link	SHOTPROS was present as exhibitor at the #CCIconference in Brussels

RL	Police Singapore Workshop	Dec 2021		The SHOTPROS VR solution was demonstrated during a workshop with the Police of Singapore
All	VR & Police Network Meeting	March 2022	Link	SHOTPROS co-hosted the VR & Police Network event in Gimborn (Germany) about the establishment of an European VR & Police network
AIT	Disaster day with the Austrian Minister of Defence	May 2022		SHOTPROS was presented as innovative training solution for disasters and mass casualty incidents at the Disaster Day hosted by the Austrian Ministry of Defence.
RMIA	BSDA 2022	May 2022	Link	The SHOTPROS project was presented at the „Black Sea Defense, Aerospace and Security International Exhibition” BSDA 2022 (https://www.bsda.ro), where RMIA was involved with some interior stands, exterior technique exposition and demo exercises.
RL	European Police Congress	May 2022	Link	The SHOTPROS VR solution and results were presented at the European Police Congress hosted by Europol
BP USE	/ GPEC 2022	June 2022	Link	SHOTPROS project was presented at the General Police Equipment Exhibition & Conference in Frankfurt
UHEI	FEPSAC 2022	July 2022	Link	SHOTPROS research results were presented at the FEPSAC 2022
SPA	VR Workshop	Aug.22		The Swedish police presented SHOTPROS during a dedicated VR Workshop for decision makers

RL	ENLETS Meeting	Aug.22	SHOTPROS was presented during an ENLETS NCP meeting
AIT	CEPOL Course	Aug.22	The project was presented during and CEPOL course for future police leaders and addressed the topic of how research and private companies can collaborate with the police in projects.
RL	Behörden Spiegel Symposium Würzburg	Sep.22	RE-liON presented the SHOTPROS VR Solution at the Behörden Spiegel Symposium "New Technologies for the Police" in Germany
VESTA	CERIS Event	Sep.22	SHOTPROS and the VR and POLICE network were represented in the annual CERIS event Community of European research innovation for security
USE / AIT	Tomorrow Talk	Sep.22	SHOTPROS was presented to 25 innovation managers at the Accenture Innovation Event „TomorrowTalk“

Table 13: List of events SHOTPROS was presented at

Annex II: Scientific Dissemination

Articles in peer-reviewed journals and book chapters

Partner	Respect. WP	Subm. Date	Pub. Date	Title	Journal / book	Nr / Vol / Pages	Link / DOI / ISBN
KUL	n/a	Sept.20	Sept-20		Peer-reviewed book chapter (in Dutch): Big data and innovative methods for criminological research	p. 267 . 300	ISBN: 789462361584
UHEI	WP6	Aug-20	Jan-21	The impact of the COVID-19 pandemic on European police officers: Stress, demands, and coping resources	Journal of Criminal Justice	Volume 72, 101756	Link
UHEI	WP 6	Feb-21	Aug-21	Mapping Demands: How to prepare police officers to cope with pandemic-specific stressors	European Law Enforcement Research Bulletin		Link
UHEI	WP8	Nov-20	Jun-21	The Potential of Virtual Reality for Police Training Under Stress: A SWOT Analysis	Peer-reviewed book chapter: Interventions, Training, and Technologies for Improved Police Well-Being and Performance	p. 102 - 124	Link

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



VUA	WP3	Oct-21	Jan-22	Police Training in Practice: Strengths and Challenges According to European Law Enforcement Agencies	Frontiers in Psychology	January 2022 Volume 12 Article 798067	Link
UHEI	WP4	May-20	Dec-21	Acute and Chronic Stress in Daily Police Service: A Three-Week N-of-1 Study	Psychoneuroendocrinology	Volume 122, 104865	Link
USE / AIT / KUL	WP2	Jan-21	Aug-21	CBRNe Training in Virtual Environments: SWOT Analysis & Practical Guidelines	International Journal of Safety and Security Engineering		Link
VUA	WP3	Oct-22		Virtual Reality Training for Police Officers: A Comparison of Training Responses in VR and Real-life Training	Police Practice and Research		
VUA	WP3 / WP7	Oct-22		Virtual Police Training: Does a Pain Stimulus Enhance Training Responses and Sense of Presence in Virtual Training Simulators?			
UHEI	WP4	Oct-22		Stress measurement of police officers during VR training with saliva			
VUA	WP3	Dec-22		Changing Perspectives: Enhancing Quality of Learning with the After-Action Review in Virtual Reality Police Training			

AIT	WP7	Jan-23		Guidelines for law enforcement agencies for the utilisation of virtual reality to train decision making and acting under stress and in high-risk situations.	MDPI Multimodal Technologies and Interaction Special Issue on “Designing EdTech and Virtual Learning Environments”		
-----	-----	--------	--	--	--	--	--

Table 14: Articles in peer-reviewed journals and book chapters³

Publications at scientific conferences

Partner	Respect. WP	Subm. Date	Pub. Date	Title	Conference	Link
UHEI	WP4	May-20	Aug-20	Performing Under Stress: Interaction Effects of Physical and Emotional Stress on Shooting Performance of Paintball Players	North American Society for the Psychology of Sport and Physical Activity- In: Journal of Sport and Exercise Psychology	Volume 42: Issue S1; p. 1–p.114
USE	WP2	Mar-20	Sep-20	CoCreation in Virtual Worlds for complex questions and technologies	GOR20 – General Online Research 2020	Link

³ Grey = manuscript submitted and by Oct 2022 under review

AIT / KUL	WP4	Apr-21	Aug-21	Stress Out: Operationalizing Stressors into Audio-Visual Stress Cues in Virtual Reality for Police Training	INTERACT 2021	Link
AIT	WP4	Jun-21	May-22	VR [we are] Training -- Workshop on Collaborative Virtual Training for Challenging Training Situations	CHI 2022	Link
AIT	WP2	Feb-22	Jul-22	CoLEBricks: Co-Designing Scenarios for Virtual Reality with Toy Bricks	ACM SIGCHI Conference on Designing Interactive Systems (DIS)	
AIT / USE	WP5-6		Oct-22	Support The Trainer – Real-Time Monitoring and After-Action Review for Police VR Training	IEEE MetroXRINE 2022 - International Conference on Metrology for eXtended Reality, Artificial Intelligence, and Neural Engineering	
AIT / USE	WP5-6		Oct-22	Threat Assessment in Police VR Training: Multi-Sensory Cues for Situation Awareness	IEEE MetroXRINE 2022 - International Conference on Metrology for eXtended Reality, Artificial Intelligence, and Neural Engineering	
AIT / USE	WP7	Mar-22		Materialize Stress: Creation & Measurement of Multi-Sensory Stress-Experiences for Immersion	QoMEX 2022, International Conference on Quality of Multimedia Experience	

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



AIT	WP4	Sep-22		Mind the heart: Designing a stress dashboard for virtual reality training based on physiological data	CHI2023	
AIT	WP4	Oct-22		X-Deaths: An automatic team performance metric for VR police training	EICS 2023 - Symposium on Engineering Interactive Computing Systems	

Table 15: Publications at scientific conferences⁴

Annex III: Policy-maker contacts

Partner	Date	Contact Description
AIT	Sept 2019	European strategic research agenda in defense 2021 – 2027 Sebastian Egger-Lampl gave an overview of envisioned SHOTPROS development and the potential abilities of VR training for decision making and acting in different use cases (police, firefighters, military). This was followed by a discussion about the opportunities to integrate SHOTPROS topics in the upcoming strategic research agenda.
USE / BP	Sept 2019	Police President in Berlin Meeting between Markus Murtinger (USE), Ivo Engelmann (BP), Dr. Barbara Slowik (Police President in Berlin), Marco Langner (Vice Police President in Berlin), and the Heads of the Berlin Police Department to present and discuss the topics of SHOTPROS.

⁴ Grey = publication submitted and by Oct 2022 under review

USE / AIT	Nov 2019	OSCE Meeting of the police academy network (PAN) SHOTPROS got invited and Markus Murtinger got a lot of follow up questions after his talk. Afterwards they had a discussion for our Lea Network with Bulgaria, Macedonia, the Ukraine and the Assistance Director of Interpol.
USE	Nov 2019	German association of police trainers SHOTPROS got invited to the “PiD Fachseminar” in Wiesbaden and was represented by Markus Murtinger. He held a presentation about the project and the potential of future police training.
USE	Jan 2020	Secure Societies “project to policy kick off seminar” Presentation of policy-relevant project aspects and (initial) strategies how to approach policy maker in the field of VR and police training.
KUL	June 2020	FCT - follow-up workshop on legal and ethical clarifications Community of users’ workshop on research data in fighting crime and terrorism – ethical and legal clarifications. European Commission – Directorate-General Migration and Home Affairs
UHEI / KUL	Jan – Feb 2021	CEPOL contact and collaboration SHOTPROS got in contact with CEPOL and was offered to present the results of the study regarding stress and work demands of European police officers during the COVID-19 pandemic in 2 webinars hosted by CEPOL (see Annex I).
USE / AIT	Feb 2021	CERIS webinars SHOTPROS contributed to a CERIS workshop about the protection of public spaces where several policy-makers on an European level were involved.
VUA	June 2021	Zurich Police high-level meeting The results of the Zurich1 study (see D6.1) were presented an upper management delegation of the Zurich city police and further collaborations were discussed.
LAFP	July 2021	Ministry of Internal Affairs NRW The ministry of internal affairs was invited to the HF study week in Berlin and Selm (see D6.1) and sent representatives to all following project events to get informed about the progress and possibilities to implement VR training after the completion of the project.

BP / all	July 2021	Police President of Berlin and upper management of the Berlin Police academy A delegation of high-level management and the Police President of Berlin attended the HF study week at the premises of the Berlin Police during the HF study week (see D6.1).
BP	Sept 2021	International Police Attaché Meeting SHOTPROS was introduced by the Berlin Police during an international meeting of police attachés from Europe and Canada
All	Feb 2022	OSCE at the field trial Seibersdorf A representative from the OSCE attended the first field trial in Seibersdorf, Austria (see D7.1 – D7.2), tested the VR solution and got informed about the project results.
All	March 2022	Policy-makers at the field trial in Bucharest Several national high-level representatives have participated at the Bucharest FT (see D7.2) <ul style="list-style-type: none"> • General Director of RMIA General Logistics Department (DGL) - Police Quaestor • Chief of RMIA - DGL - Scientific Research Coordination Center, Police Chief Commissioner • First Deputy Inspector General and Chief of Staff of the Romanian Gendarmerie, Brigadier General • Deputy Inspector General of Romanian Gendarmerie, Colonel • Deputy Director of Romanian Police - Service for Interventions and Special Actions, Police Chief Commissioner
All	April 2022	Policy-makers at the field trial in Selm, NRW, Germany The NRW Minister of Interior sent a video message honouring the innovative approach of the project and several high-level police chiefs tried out the VR system.
RL	May 2022	European Police Congress The SHOTPROS VR solution and results were presented at the European Police Congress hosted by Europol.
AIT	Aug 2022	CEPOL course for future police leaders The project was presented during and CEPOL course for future police leaders and addressed the topic of how research and private companies can collaborate with the police in projects.

All	Sept 2022	Policy-makers at the final conference Several high-level policy- and decision makers on a national (Belgium) level attended the final conference of SHOTPROS. The Belgian minister of internal affairs and the Governor of Antwerp were present and honoured the project and all partners. (see D7.4)
All	Sept 2022	DG Home at the final conference A representative of DG Home participated in the SHOTPROS final conference and held a speech about the role of practitioners in EU funded research projects.
VESTA	Sept 2022	CERIS event SHOTPROS and the VRandPOLICE network were represented in the annual CERIS event Community of European research innovation for security where several policy-makers on an national and European level were present. (see Annex 1)

Table 16: Policy-maker contacts of SHOTPROS

Annex IV: List of referring websites

N	Name	Type	Link
1	AIT	Partner Website	https://www.ait.ac.at/themen/experience-measurement/projecte/shotpros
2	USECON	Partner Website	https://www.usecon.com/shotpros-einsatz-von-vr-training-im-polizeilichen-bereich/
3	APA OTS	Media / Press	https://www.ots.at/presseaussendung/OTS_20211221_OTS0032/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-ueberzeugt-bild
4	SRE2022	Research / Publication	https://www.sre2022.eu/projects/shotpros
5	VRPN	Project / Network	https://vrandpolice.eu/about-shotpros/

6	MED1STMR	Project / Network	https://www.med1stmr.eu/related-projects/
7	ENLETS	Project / Network	https://enlets.eu/wp-content/uploads/2022/06/SHOTPROS-Final-Conference-Program_preliminary_07.06.2022.pdf
8	ENTER-NETWORK	Project / Network	https://www.enter-network.eu/project/shotpros/
9	BMI Austria	Government Website	https://bmi.gv.at/magazinfiles/2021/09_10/virtuelles_training.pdf
10	Brutkasten	Media / Press	https://brutkasten.com/projekt-shotpros-polizei-vr/
11	BISP-SURF	Research / Publication	https://www.bisp-surf.de/Record/PR020210300353
12	REPORT	Research / Publication	https://www.report.at/award/21042-eaward-2022-die-nominees-der-kategorie-bildung-und-soziales
13	INSTITUT-POLICE (Switzerland)	Government Website	https://www.institut-police.ch/06-wissen/Dokumente%20Kolloquium/WS%204/WS%204%20-%20Harthum%20DE.pdf
14	CUTTINGCRIMEIMPACT Conference	Research / Publication	https://www.cuttingcrimeimpact.eu/news-events/events/cci-conference/
15	METICOS Project	Project / Network	https://meticos-project.eu/meticos-in-the-cci-conference-designing-security-futures/
16	Belgian Crisis Center	Partner Website	https://crisiscentrum.be/nl/newsroom/slotconferentie-project-shotpros
17	VAM REALITIES	Project / Network	https://vam-realities.eu/shotpros/

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



18	LAFP NRW	Partner Website	https://lafp.polizei.nrw/artikel/virtual-reality-projekt-shotpros-lafp-nrw-entwickelt-die-zukunft-des-polizeitrainings-mit
19	RE-liON	Partner Website	https://re-lion.com/blog.html?SHOTPROS+VR+-+Police+Scenario+%232+Tech+Demo
20	ORF	Media / Press	https://oe1.orf.at/programm/20220214/668854/Polizeitraining-in-der-virtuellen-Realitaet
21	BERLIN Police	Partner Website	https://www.berlin.de/polizei/verschiedenes/internationales/artikel.1036184.php
22	XR4ALL Network	Project / Network	https://xr4all.eu/member/markus-murtinger/
23	DERSTANDARD	Media / Press	https://www.derstandard.at/story/2000105725310/forscher-entwickeln-virtuelles-stresstraining-fuer-polizisten
24	XCE LAB	Research / Publication	https://xcelab.tech-experience.at/CHI22-workshop.html
25	ENOTICE	Project / Network	https://forum.h2020-enotice.eu/t/cbrne-and-vr-training/129
26	KIRAS	Project / Network	https://www.kiras.at/fileadmin/dateien/presse/2021/Land_der_Haemmer.pdf
27	RESIST Project	Project / Network	https://project-resist.eu/safe-at-the-joint-webinar-of-enotice-and-shotpros-on-cbrne-and-vr-training/
28	CONNEXIONS PROJECT	Project / Network	https://www.connexions-project.eu/sister-projects
29	KLEINE ZEITUNG	Media / Press	https://www.kleinezeitung.at/oesterreich/5652866/Ueben-von-Extremsituationen_Forscher-entwickeln-virtuelles

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



30	FUTUREZONE	Media / Press	https://futurezone.at/science/polizei-virtual-reality-vr-shotpros-ait-kriminalitaet-verbrehen/401878124
31	KURIER	Media / Press	https://kurier.at/chronik/oesterreich/forscher-entwickeln-virtuelles-stresstraining-fuer-polizisten/400538974
32	KU Leuven	Partner Website	https://www.law.kuleuven.be/linc/leden/00059604/view?sortBy=stitle&pubsonpage=20&pubtype=
33	National Library of Medicine	Research / Publication	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7571900/
34	Province Antwerpen	Government Website	https://www.provincieantwerpen.be/opleidingen.masterdetail.html/p_detail_url/nl/doi/campus-vesta/opleidingen/internationale-opleidingen-en-onderzoek/casceff-.html
35	CAMPUS VESTA	Partner Website	https://www.campusvesta.be/en/international-education-and-research.html
36	HORIZONT	Media / Press	https://www.horizont.at/digital/news/einsatz-von-virtual-reality-bei-der-polizei-ausbildung-70570
37	Belgian Crisis Center	Partner Website	https://centredecrise.be/fr/newsroom/conference-de-cloture-du-projet-shotpros
38	Journals	Research / Publication	https://journals.um.si/index.php/education/article/view/1237
39	OUCI	Research / Publication	https://ouci.dntb.gov.ua/en/works/7qvD2Rb4/
40	IIETA	Research / Publication	https://www.iieta.org/journals/ijsse/paper/10.18280/ijsse.110402

41	CORDIS	Project / Network	https://cordis.europa.eu/project/id/833672/de
42	Innovation Austria	Media / Press	https://www.austriainnovativ.at/singleview/article/eu-projekt-shotpros-vr-trainingsloesung-fuer-die-polizei-mit-eaward-ausgezeichnet
43	Brandaktuell	Media / Press	https://brandaktuell.at/2022/10/12/karriere/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-erhaelt-den-eaward/
44	APA – Austrian Press Agency	Media / Press	https://www.ots.at/presseaussendung/OTS_20221012_OTS0029/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-erhaelt-den-eaward-bild
45	APA Science	Media / Press	https://science.apa.at/power-search/10355625955293181322

Table 17: List of referring websites

Annex V: Social Media KPIs reporting

	Number of SHOTPROS posts in social networks		
	Y1	Y2	Y3
Twitter	52	68	93
Facebook	24	27	31
LinkedIn	32	37	39
Youtube	0	0	10
RG	1	2	3
VRPN Twitter	0	0	173
sum	109	134	349
Postings total	592		

	Number of social media community gathered across social media sites (group members, followers, page likes)		
	Y1	Y2	Y3
Twitter	61	52	74
Facebook	79	23	35
LinkedIn	43	19	22
Youtube	0	0	29
RG	34	4	3
VRPN Twitter	0	0	156
sum	217	98	319
Community total	634		

	Number of social media reactions (likes, comments, shares, retweets, views)		
	Y1	Y2	Y3
Twitter	284	537	890
Facebook	216	417	723
LinkedIn	106	289	315
Youtube	0	0	3713
RG	240	142	160
VRPN Twitter	0	0	521
sum	846	1385	6322
Reactions total	8553		

Table 18: SHOTPROS Social Media KPIs

Annex VI: News and media coverage

Medium	Cat.	Country	Title	Date	Link (if online)
Berliner Zeitung	(online) Newspaper	GER	Schießen oder nicht schießen?	28.06.2019	https://www.bz-berlin.de/liveticker/schiessen-oder-nicht-schiessen
APA Science	Press Agency	AUT	Forscher entwickeln virtuelles Stresstraining für Polizisten	01.07.2019	https://science.apa.at/site/natur_und_technik/detail.html?key=SCI_20190701_SCI39391351449350958
Horizont	(online) Newspaper	AUT	Einsatz von Virtual Reality bei der Polizei-Ausbildung	01.07.2019	https://www.horizont.at/home/news/detail/einsatz-von-virtual-reality-bei-der-polizei-ausbildung.html
Kurier	(online) Newspaper	AUT	Forscher entwickeln virtuelles Stresstraining für Polizisten	01.07.2019	https://kurier.at/chronik/oesterreich/forscher-entwickeln-virtuelles-stresstraining-fuer-polizisten/400538974
Futurezone	(online) Newspaper	AUT	Üben von Extremsituationen Forscher entwickeln virtuelles Stresstraining für Polizisten	01.07.2019	https://futurezone.at/science/forscher-entwickeln-virtuelles-stresstraining-fuer-polizisten/400538989
Kleinezeitung.at	(online) Newspaper	AUT	Forscher entwickeln virtuelles Stresstraining für Polizisten	01.07.2019	https://www.kleinezeitung.at/oesterreich/5652866/Ubeneben-von-Extremsituationen_Forscher-entwickeln-virtuelles
derStandard.at	(online) Newspaper	AUT	Forscher entwickeln VR-Stresstraining für Polizei	01.07.2019	https://derstandard.at/2000105725310/Forscher-entwickeln-virtuelles-Stresstraining-fuer-Polizisten
Krone.at	(online) Newspaper	AUT	Einsatz von Virtual Reality im polizeilichen Bereich	01.07.2019	https://www.krone.at/1951251
Nachrichten-aktuell.eu	Website	Europ.	Stress-Training für Polizisten: Weniger Gewalt durch virtuelle Übung	01.07.2019	https://www.nachrichten-aktuell.eu/artikel/einsatz-von-virtual-reality-im-polizeilichen-bereich/2212535
msn.com	Website	GER, AUT	VIRTUAL REALITY-STRESSTRAINING SOLL POLIZISTEN AUF HOCHRISKANTE SITUATIONEN VORBEREITEN	01.07.2019	https://www.msn.com/de-at/nachrichten/other/stress-training-f%C3%BCr-polizisten-weniger-gewalt-durch-virtuelle-%C3%BCbung/ar-AADGzql

Inovation Origins	(online) Newspaper	GER	Forscher entwickeln virtuelles Stresstraining für Polizisten	03.07.2019	
Sg.hu	(online) Newspaper	HU	Virtuális stressztréning rendőröknek	07.07.2019	https://sg.hu/cikkek/it-tech/137026/virtualis-stressztréning-rendoroknek
miroir-mag.fr	(online) Newspaper	FR	LA FORMATION SUR LE STRESS EN RÉALITÉ VIRTUELLE PRÉPARE LA POLICE AUX SITUATIONS À HAUT RISQUE	07.07.2019	https://www.miroir-mag.fr/actualites-high-tech/la-formation-sur-le-stress-en-realite-virtuelle-prepare-la-police-aux-situations-a-haut-risque/
Immersivelearning.news	(online) Newspaper	GER	Einsatz von Virtual Reality im polizeilichen Bereich	08.07.2019	http://www.immersivelearning.news/
Vienna.at	Website	AUT	Studie Untersucht Stress von Polizisten in der Corona-Krise	30.04.2020	https://www.vienna.at/studie-untersucht-stress-von-polizisten-in-der-corona-krise/6604142
APA	Press Agency	AUT	Anforderungen im polizeilichen Corona-Alltag	30.04.2020	https://www.ots.at/presseaussendung/OTS_20200430_OTS0025/anforderungen-im-polizeilichen-corona-alltag-bild
top-news.at	Website	AUT	Anforderungen im polizeilichen Corona-Alltag	30.04.2020	https://www.top-news.at/2020/04/30/anforderungen-im-polizeilichen-corona-alltag/
APA Science	Press Agency	AUT	Anforderungen im polizeilichen Corona-Alltag	30.04.2020	https://science.apa.at/rubrik/natur_und_technik/Anforderungen_im_polizeilichen_Corona-Alltag/SCI_20200430_SCI39471352454383796
vol.at	(online) Newspaper	AUT	Studie untersucht Stress von Polizisten in der Corona-Krise	30.04.2020	www.vol.at
Kurier	(online) Newspaper	AUT	Studie untersucht Stress von Polizisten in der Krise	30.04.2020	https://kurier.at/politik/inland/coronavirus-sommerplaene-so-geht-es-ab-1-mai-im-tourismus-weiter/400825766
DiePresse	(online) Newspaper	AUT	Polizisten bewerten Stress der Coronazeit	02.05.2020	offline

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



DiePresse.at	(online) Newspaper	AUT	Polizisten bewerten Stress der Coronazeit	04.05.2020	https://www.diepresse.com/5807932/polizisten-bewerten-stress-der-coronazeit
NÖN	(online) Newspaper	AUT	Krisenmanagement der Polizei wird untersucht	05.05.2020	https://www.noen.at/niederoesterreich/chronik-gericht/corona-studie-krisenmanagement-der-polizei-wird-untersucht-oesterreich-redaktionsfeed-krisenmanagement-austrian-institute-of-technology-innenministerium-studie-coronavirus-204263925#
Öffentliche Sicherheit	Magazine	Austrian	Virtuelle Szenarien	01.09.2021	https://bmi.gv.at/magazin/2021_09_10/Virtuelle_Szenarien.aspx
APA Ots	Press Agency	AUT	VR Ausbildung für die Polizei überzeugt	21.12.2021	https://www.ots.at/presseaussendung/OTS_20211221_OTS0032/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-ueberzeugt-bild
top-news.at	Website	AUT	VR Ausbildung für die Polizei überzeugt	21.12.2021	https://www.top-news.at/2021/12/21/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-ueberzeugt/
brandaktuell.at	Website	AUT	VR Ausbildung für die Polizei überzeugt	21.12.2021	https://brandaktuell.at/2021/12/21/karriere/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-ueberzeugt/
Brutkasten	Website	AUT	Projekt „Shotpros“: Polizei trainiert bald in virtuellen Amokläufen und Demos	21.12.2021	https://brutkasten.com/projekt-shotpros-polizei-vr/
Immersive Learning	(online) Newspaper	AUT	VR Ausbildung für die Polizei überzeugt	04.01.2022	https://www.immersivelearning.news/2022/01/04/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-ueberzeugt/
Computerwelt	Magazine	AUT	VR Ausbildung für die Polizei	21.01.2022	https://computerwelt.at/printausgabe/vr-ausbildung-fuer-die-polizei/
Futurezone	Magazine	AUT	Wie die Polizei Verbrechen in der virtuellen Welt bekämpft	24.01.2022	https://futurezone.at/science/polizei-virtual-reality-vr-shotpros-ait-kriminalitaet-verbrechen/401878124

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



Kurier	(online) Newspaper	AUT	Verbrechen in der virtuellen Welt bekämpfen	24.01.2022	offline
Report	Magazine	AUT	VR-Ausbildung für die Polizei	02.02.2022	offline
Radio2	Radio	Belgium	Radio Interview Campus VESTA	06.02.2022	offline
GVA	TV Channel	Belgium	Antwerpse politie school traint met VR op minder geweld in bedreigende situaties	07.02.2022	https://www.gva.be/cnt/dmf20220207_94963513
HLN		Belgium	Campus Vesta helpt VR-politietraining ontwikkelen: "Inzet van geweld verminderen door het meten van het stressniveau"	07.02.2022	https://www.hln.be/antwerpen/campus-vesta-helpt-vr-politietraining-ontwikkelen-inzet-van-geweld-verminderen-door-het-meten-van-het-stressniveau-br-br~ade24076/?referrer=https%3A%2F%2Fwww.google.com%2F
Austria Innovativ	Magazine	AUT	VR Ausbildung für die Polizei	11.02.2022	offline
ORF2 - Austrian Public TV	TV Channel	AUT	PM Wissen Magazine - VR Polizei Training	11.02.2022	https://clicktime.symantec.com/3ASLVFZB7HmTQjN4dXiKuyU6H4?u=https%3A%2F%2Fvt.thek.orf.at%2Fprofile%2FMayrs-Magazin-Wissen-fuer-alle%2F13892840%2FMayrs-Magazin-Wissen-fuer-alle%2F14123905%2Fvirtuelle-Polizeiuebung%2F15101121
Ö1 Radio - Austrian Public Radio	Radio	AUT	Polizeitraining in VR	14.02.2022	https://open.spotify.com/episode/6WYWZVMNpW8nqFP5ixW4PT?si=Yg1pLMXSRDmwr5WfgreJyQ
TVR1	TV Channel	Romania	M.A.I. aproape de tine	20.02.2022	offline

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



Streife - Magazin für die Polizei in Nordrhein-Westfalen	Magazine	GER	Virtual Reality im Einsatztraining Wie die Polizei NRW Pionierarbeit als Teil eines EU-Projekts leistet	01.03.2022	https://polizei.nrw/artikel/getroffen-ist-getroffen
TVR	TV Channel	Romania	News Flash	30.03.2022	offline
ServusTV - Austrian private TV	TV Channel	AUT	VR Training für die Polizei	31.03.2022	www.servustv.com/wissen/v/aa-28wxzf8h1w11/
Grenz Echo	(online) Newspaper	Belgium	Polizei: Trainingsprogramm in virtueller Realität	14.04.2022	offline
Hörzu Wissen	Magazine	GER	Dem Verbrechen auf der Spur	01.06.2022	offline
DGPol Berlin	Magazine	GER	Einsatztraining in der virtuellen Realität	01.07.2022	https://www.dpolg.berlin/fileadmin/user_upload/www_dpolg_berlin/pdf/polizeispiegel/2022/Polizeispiegel_Berlin_Juli-August_2022.pdf
RTBF - Francophone public TV Belgium	TV Channel	Belgium	La police belge présente un programme d'entraînement en réalité virtuelle	13.09.2022	https://www.rtb.be/article/la-police-belge-presente-un-programme-d-entrainement-en-realite-virtuelle-11066061
VRT - Flemish public TV broadcast	TV Channel	Belgium	Officers can train specific action with VR visors	13.09.2022	https://www.vrt.be/vrtnu/a-z/vrt-nws-journaal/2022/vrt-nws-journaal-vrt-nws-journaal-19u-20220913/?starttime=1098
ATV /GvA - Flemish public TV broadcast		Belgium	news loop all day long on the "SHOTPROS Project & Conference	13.09.2022	https://m.gva.be/cnt/dmf20220913_96368026

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



Antwerps persbureau regional press agency Antwerp	Press Agency	Belgium	Brand new VR tool for police training for European police presented	13.09.2022	https://antwerpsherbureau.be/gloednieuwe-virtual-reality-trainingstool-voor-europese-politie-voorgesteld/
ITDaily online newspaper	(online) Newspaper	Belgium	Belgian police uses VR to train under stressful circumstances	14.09.2022	https://itdaily.be/nieuws/business/belgische-politie-zet-vr-in-tijdens-de-training-op-stressvolle-situaties/
Le Vif Magazine	Magazine	Belgium	The Belgian police is presenting training in VR	14.09.2022	https://datanews.levif.be/ict/actualite/la-police-belge-presente-un-programme-d-entrainement-en-realite-virtuelle/article-news-1591569.html.amp?cookie_check=1664136813
Knack most read weekly magazine in Belgium	Magazine	Belgium	Belgian police simulates real situations with VR	14.09.2022	https://datanews.knack.be/ict/nieuws/belgische-politie-simuleert-levensechte-situaties-met-vr/article-news-1899147.html?cookie_check=1664284194
Die Presse	(online) Newspaper	AUT	Polizei trainiert Ernstfall in der virtuellen Welt	01.10.2022	https://www.diepresse.com/6196755/polizei-trainiert-ernstfall-in-der-virtuellen-welt
APA – Austrian Press Agency	Press Agency	AUT	EU-Projekt SHOTPROS: VR-Ausbildung für die Polizei erhält den eAward	12.10.2022	https://www.ots.at/presseaussendung/OTS_20221012_OTS0029/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-erhaelt-den-eaward-bild
APA – Austrian Press Agency	Press Agency	AUT	EU-Projekt SHOTPROS: VR-Ausbildung für die Polizei erhält den eAward	12.10.2022	https://science.apa.at/power-search/10355625955293181322
Austria Innovativ	(online) Newspaper	AUT	EU-Projekt SHOTPROS: VR-Ausbildung für die Polizei erhält den eAward	12.10.2022	https://www.austriainnovativ.at/singleview/article/eu-projekt-shotpros-vr-trainingsloesung-fuer-die-polizei-mit-eaward-ausgezeichnet

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 833672. The content reflects only the SHOTPROS consortium's view. Research Executive Agency and European Commission is not liable for any use that may be made of the information contained herein.



Report	Magazine	AUT	eAward 2022: Sternstunde der IT mit Spitzenprojekten aus Österreich und Deutschland	11.10.2022	https://www.report.at/award/21263-eaward-2022-sternstunde-der-it-mit-spitzenprojekten-aus-oesterreich-und-deutschland
Brandaktuell	(online) Newspaper	AUT	EU-Projekt SHOTPROS: VR-Ausbildung für die Polizei erhält den eAward	12.10.2022	https://brandaktuell.at/2022/10/12/karriere/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-erhaelt-den-eaward/
Top-News	(online) Newspaper	AUT	EU-Projekt SHOTPROS: VR-Ausbildung für die Polizei erhält den eAward	12.10.2022	https://www.top-news.at/2022/10/12/eu-projekt-shotpros-vr-ausbildung-fuer-die-polizei-erhaelt-den-eaward/

Table 19: News and media coverage of SHOTPROS

Annex VII: Contacts with related projects

Rel. Project	Date (from)	Contact Description
AUGGMED	11/2019	<p>USE and AIT were in contact with AUGGMED, got informed about the (public) results of the project and discussed potential future collaboration in EU projects.</p> <p>VUA had a meeting with GeoMobile (partner in the H2020 Auggmmed project) to learn about the implementation of VR and its advances within the Auggmmed project. They tried out the VR platform that the Auggmmed project developed.</p>
Proactive	01/2020	<p>SHOTPROS (represented by the coordinator, Markus Murtinger) was part of the “Project to Policy kick-off seminar” hosted by the EC in Brussels. The project PROACTIVE was also present and they got in contact. Further collaboration was planned, such as the joint activity event at VESTA in May 2020 which was postponed due to COVID.</p>
TARGET	01/2020	<p>BP met two representatives from TARGET at the University of Applied Sciences for the Police of Brandenburg. The visit was an opportunity to foster the cooperation between the Berlin and Brandenburg police training institutions and for further exchange in the field of future-oriented technologies and alternative learning methods, especially in the area of VR / AR. Police Brandenburg is also a possible network partner for our project.</p>
eNotice	03/2020	<p>SHOTPROS and eNotice planned the Joint Activity and VR trial day at Campus VESTA together. The event was initially planned to be conducted in May 2020 but had to be postponed due to COVID19.</p>
9 projects invited to Joint Activity in May 2020	04/2020	<p>Several European projects got invited to the planned event (Joint Activity eNotice & SHOTPROS) at Campus VESTA. The event had to be postponed, however, the following project received the official invitation including information about the SHOTPROS project: eNotice, ProActive, Toxi-triage, No Fear, Driver+, I-LEAD, ILEA NET, ENLETS, INCLUDING</p>
iLEAD	04/2020	<p>VESTA and iLEAD are in contact regarding network topics and knowledge exchange.</p>
VRinSight	05/2020	<p>USE was in contact with VRinSight and got offered the possibility to publish an article about the SHOTPROS project in their Green Paper → https://www.enter-network.eu/3d-flip-book/focus-europe-vrinsight-greenpaper/</p>

E.N.T.E.R Network	05/2020	USE had several calls and E-Mail conversations with the E.N.T.E.R Network and exchanges experiences about VR in training and education. The SHOTPROS project joined the Network and is published on the website for dissemination and communication. https://www.enter-network.eu/project/shotpros/
AIDA project	Feb.21	The AIDA project moderated a CERIS event of "protection of public spaces" where SHOTPROS was introduced and they stayed in contact for knowledge exchange.
LAW-TRAIN	continuously	Learnings and outcomes from LAW-TRAIN are continuously taken into account from the SHOTPROS partners that were also involved in the LAW-TRAIN project.
CONNEXIONS	Oct 21	SHOTPROS was presented during a workshop hosted by CONNEXIONS on 'Crime investigation and training through 3D reconstruction"
XR4Europe	continuous exchange	The network was presented at the SHOTPROS final conference and has promoted SHOTPROS in the newsletter and on social media. Continuous exchange on network topics with regards to the VRPN is done.
Transtun	continuous exchange	USE got in contacts with Transtun and attended an exercise on CBRN and terrorist attacks
MED1stMR	continuous exchange	The coordinator USE and the scientific lead AIT of SHOTPROS are partners in both projects. Therefore, they use synergies and promote each other.
TNO	Sep.22	A representative of TNO held a keynote at the SHOTPROS final conference

Table 20: Contacts with related projects