MED1stMR
Mixed Reality Training

TRAIN
[SKILLS.
RESILIENCE.
PERFORMANCE]
SAVE LIVES

D8.14

1st Report on Dissemination Activities

Version
V1.0

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Versions

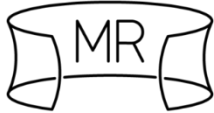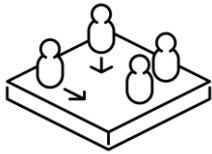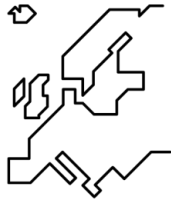| Version	Date	Author(s)	Description
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List of Acronyms and Abbreviations

Abbreviation	Definition
CERIS	Community for European Research and Innovation for Security
KPI	Key performance indicator
MFR	Medical first responder
MR	Mixed reality
WP	Work package

Relation to Objectives

Objective	Description
	Obj. 1: Pioneering MR training approach for enhanced realism This deliverable D8.14 contributes to Obj. 1 as it reports on the communication and dissemination of the project results. Hence, it enables the consortium to position the MED1stMR approach as pioneering solution for enhanced training.
	Obj. 2: Effective training scenarios and a training curriculum The present deliverable reports the consortiums efforts to communicate the outcomes of Obj. 2 to several target audiences with focus on end users and policy makers. This ensures the uptake of the training scenarios and curriculum by practitioners in the field of medical first responder training.
	Obj. 3: Physiological signal and trainee behaviour feedback loop and smart scenario control The present deliverable contributes to Obj. 3 since it reports the communication and dissemination of the innovative solution and novel technologies to all relevant target audiences.
	Obj. 4: Position the pioneering MR training approach across Europe The herewith reported dissemination activities build the basis for Obj. 4 as it frames all activities that contribute to stimulate an exchange of knowledge across countries and first responder organizations and position the innovative approach and solution of MED1stMR.

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Executive Summary

The present deliverable reports on the dissemination and communication activities of MED1stMR from project month M1 to M17. All activities that are reported herewith contribute to the overall objectives of WP8 and to maximise the impact of MED1stMR.

Strategic objectives WP8:

- Disseminate the results of MED1stMR.
- Exploit the information, knowledge and experience gained from MED1stMR.
- Communicate the project, progress, activities, events and accomplishments of MED1stMR.
- 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.

1   Introduction

This deliverable D8.14 is the 1st Report on Dissemination Activities that covers the measures taken by the MED1stMR consortium in the first period of the project to maximise the impact of the project. All activities were carried out according to the D8.1 – Dissemination Plan and Communication Guide where the strategic plans were laid out. It is complemented by D8.2 – Project website, that provides a detailed description of how the website www.med1stmr.eu is utilised as key communication channel and D8.3 – Dissemination Material.

2   Reports on dissemination & communication activities

2.1   Dissemination activities

Table 1 shows the status of the KPIs for the dissemination activities of MED1stMR. It has been decided to set the KPIs ambitious, but still realistic and possible to achieve. Underneath every white row with the set KPIs, a blue row with the KPIs achieved by M17 is provided. This aims to show the status at the project´s half-time. The following sub-chapters contain a more detailed report per KPI-topic and highlights photos.

Table 1: KPIs Dissemination – achieved by months 17 of 36 planned

KPI – achieved by month 17	Year 1		Year 2		Year 3		Total	
	planned	achieved	planned	achieved	planned	achieved	planned	achieved
Scientific Dissemination								
Number of scientific publications in peer reviewed journals	0	1	2	0	4	-	**6**	**1**
Number of scientific publications in peer-reviewed international conferences and workshops	1	2	4	6	5	-	**10**	**8**
Events								
Number of events attended representing the MED1stMR project	2	6	3	8	4	-	**9**	**14**
Number of visitors at MED1stMR's conference	-	-	-		50		**50**	**-**
Networking								
Exchange with related projects (cumulative)	1	2	2	3	5	-	**5**	**5**
Contacts with policy-makers	-	1	3	3	7	-	**10**	**4**

2.1.1 Scientific Dissemination

The studies and research activities from MED1stMR are disseminated within the scientific community by publishing articles in peer-reviewed journals and presenting outcomes at scientific conferences. In D8.1, a number of relevant journals and conferences were identified and the project partners disseminated the scientific outputs in these and many other. Therefore, MED1stMR is on a promising way to achieve the KPIs for Scientific Dissemination as outlined in Table 1.

Table 2 provides an overview of the scientific publications from the first 17 months of the project. In the field of technology and innovation, there is a slight preference to publish results at scientific conferences. This is due to shorter review period compared to publications in scientific journals. Therefore, MED1stMR can proudly state that by M17, **8 publications at scientific conferences** were achieved. However, the consortium will ensure that the number of publications in scientific journals will increase in the second half of the project.

Some **highlights of the scientific dissemination of MED1stMR** are presented in the pictures below.:

Figure 1: Partners UHEI & UMU at the SPSIM2022 presenting MED1stMR

Figure 2: Partners HRT presenting MED1stMR at SafeThessaloniki 2022

Table 2: Scientific Dissemination MED1stMR (M1 -M17)[1]

Journal or Conf.	Partner	WP	Title of the Publication	Short abstract	Title of the Journal / Conference / Book	Subm. Date	Pub. Date	Link
Conf.	**INSEL UBERN**	8	MED1stMR Poster presentation	Project introduction and presentation of the innovative mixed reality training approach that will be developed in MED1stMR.	INSIM 2021	Sept-21	Oct-21	Link
Journal	**USE AIT MUL**	8	Desaster Szenario unter Tage – MED1stMR – neue Ansätze im Training von medizinischen Ersthelfern (Disaster Scenario Underground—MED1stMR—New Approaches in Training Medical First Responders)	Project introduction of MED1stMR in an Austrian Magazine in the context of training of underground disasters in real and MR	BHM Berg- und Hüttenmännische Monatshefte	Nov-21	Dec-21	Link
Conf.	**AIT**	2	MED1stMR: Mixed Reality to Enhance the Training of Medical First Respondersfor Challenging Contexts	Position paper about the MED1stMR idea, why it needs MR and tangible interaction for improved training	CHI22 Workshop - VR [we are] Training	Mar-22	Apr-22	Link
Conf.	**SERMAS**	8	Presentation of MED1stMR European Project.	Presentation of the project and updates on the use of simulation for Medical First Responders´ training.	SESAM 2022 Annual Meeting	Feb-22	Jun.22	Link
Conf.	**AIT**	5	Personalised Training: Integrating Recommender Systems in XR Training Platforms	The fast-paced growth of Extended Reality (XR) technologies in complex environments, such as	UCAI'22	Jun-22	Jul-22	Link

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[1] **Note**: The publications in grey are planned, but not yet submitted or accepted at the moment of writing this deliverable (Nov 2022)

				training scenarios, has highlighted the need to implement Artificial Intelligence (AI) modules in the simulations to support trainers and trainees in these unfamiliar contexts.				
Conf.	**UHEI, UBERN, AIT, UKHD, UMU**	3	Preparing medical first responders for crises: a systematic literature review of disaster training programs and their effectiveness	overview of training methods used to prepare MFRs for disasters; identify effectiveness indicators; role of VR/MR in current disaster training	DGPs-Kongress (52nd Congress of the German Psychological Society)	Aug-22	Sep-22	Link
Conf.	**UHEI, UBERN**	3	Entering a new reality - Chances and limitations of VR in medical education	Conference presentation: The role of modern technologies in disaster training: an overview of scientifically evaluated training methods used to prepare medical first responders for disasters	SPSIM 2022	Aug-22	Sep-22	Link
Conf.	**UBERN**	3	A glimpse of future – exploring objective measures for evaluating medical teamwork in VR settings – an interview review	Poster presentation	SPS2022	Aug-22	Sep-22	Link
Conf.	**HRT**	8	Conference presentation: Findings for future training using MR	indicate the status and primary findings of the project's analysis phase of the needs for future trainings from the perspective of the end user organizations	SafeThessaloniki 2022	Aug-22	Sep-22	Link

Conf.	AIT	2	MED1stMR: A Mixed Reality Training Approach for Emergency and Disaster Medicine	The number of natural and human-made disasters is increasing worldwide, often resulting in large numbers of casualties. Disaster situations are particularly challenging for first responders as managing such situations is often complex and context dependent. First responders must be able to adapt quickly to the conditions and need to have a good knowledge of procedures that are not required in their daily work (e.g., first level triage). To be prepared for such cases tabletop exercises and large-scale real-life exercises are conducted.	DRD2022	Oct-22	Oct-22	[Link](#)
Conf.	**UBERN**	2	*VR in der medizinischen Lehre – Fluch oder Segen?*	Keynote about the chances and problems of using VR in medical education	Keynote, InSiM 2022, Reutlingen	Oct-22		
Conf.	**UBERN**	3	*A glimpse of future – exploring objective measures for evaluating medical teamwork in VR settings – an interview review*	*Interview-study for collecting needs for an objective measurement approach*	Posterpresentation, InSiM 2022, Reutlingen	Oct-22		
Conf.	**UBERN**	2	*MED1stMR – Medical first responder training using mixed reality*	*Project Presentation*	Posterpresentation, EUSEM 2022, Berlin	Oct-22		

| Conf. | **UBERN** | 3 | *A glimpse of future – exploring objective measures for evaluating medical teamwork in VR settings – an interview review* | *Interview-study for collecting needs for an objective measurement approach* | Posterpresentation, GHS Symposium 2022, Gerzensee | Nov-22 | | |

2.1.2 Events

The MED1stMR partners attended several events to spread the word about the innovative approach and first results of the project. Furthermore, network events, fairs and exhibitions were utilised to accelerate the publicity of MED1stMR in the relevant domains. The list below (see Table 3) provides an overview of the events where MED1stMR was presented.

After the first half of the project, the overall set KPIs for events (see Table 1) were already achieved with MED1stMR being **presented at 14 events** by M17 (see Table 3). However, the project will continue to attend events, exhibitions and workshops to further disseminate the results and knowledge of MED1stMR.

Table 3: Event attended representing MED1stMR

Event	Short description	Partn.	Date
Upper Austrian Emergency Days	MED1stMR was presented by SIM CAMPUS at the think tank of BVRD (Federal Association of Rescue Services) during the Upper Austrian Emergency Days	SIM	Sep-21
Opening event Zentrum am Berg	Project partners from MUL, AIT & USE attended the opening event of Zentrum am Berg and discussed possible training scenarios for the project with several stakeholders	MUL AIT USE	Oct-21
Project Clustering Kick-off event	MED1stMR attended the Kick off Meeting Clustering session, to share experiences & plan joint activities with related projects ASSISTANCEh2020, respond_a, SaR_H2020, EU_intrepid, fasterproject, CURSOR_H2020, pathoCERT, h2020_rescuer	AIT	Oct-21
Webinar of Lund University	MED1stMR was presented in the webinar about „Dynamic and systems perspectives on resilience in context" by our partner UHEI and practical applications of MR in the field were discussed	UHEI	Jan-22
CERIS event on Disaster-Resilient Societies	MED1stMR was presented at the CERIS DRS Cluster Conference 2022.	AIT	Apr-22

Tools for the First Responder of the Future	The solution of MED1stMR was presented as example to close the gap of needs for first responders	AIT USE	May-22
NO-FEAR project's workshop on Training & Education in emergency and disaster medicine	Gaps and needs in the innovative training & education for Disaster Management were discussed. MED1stMR presented the interdisciplinary approach & mixed reality simulation trainings.	AIT	Jun-22
Project to Policy Seminar hosted by the EC	MED1stMR was in Brussels at the Project to Policy Seminar with the European Research Executive Agency (REA) & DG Home. Contact and synergies with other H2020 projects from the area "disaster resilient societies" were established	AIT USE	Jul-22
SHOTPROS final conference	The project was presented and networked with several stakeholders in the multi-disciplinary training context at the SHOTPROS final conference	AIT PLUX USE	Sep-22
Stereopsia Europe	The event was hosted by the international XR network XR4Europe and MED1stMR was presented as project with applied research to develop innovative technologies for medical first responders	AIT	Oct-22
MetroXRAINE	The project was introduced to the present academic community and part of several workshops at the MetroXRAINE conference.	USE AIT	Oct-22
JOIN Board Meeting	An update was provided on the implementation of the MED1stMR project, developing innovative mixed-reality training for medical first responders at the regular board meeting of Johanniter International	JOIN	Oct-22
EUSEM	A presentation was held about: Provide a more realistic experience combining scenario-based training and training of first responders in an everyday environment.	SERMAS	Oct-22

CERIS Event Technologies for First Responders	The project was presented at the event and networked with other related projects.	AIT	Nov-22

Here are a few impressions of the presentations made.

Figure 3: MED1stMR at the NO-FEAR event.

Figure 4: MED1stMR at the SHOTPROS Final Conference

2.1.3 Exchange with related projects

MED1stMR established contact and synergies with several related (H2020 and others) projects. These projects were invited to be published at the MED1stMR website (https://www.med1stmr.eu/related-projects/) to communicate the collaboration to a broader target audience. Beside the contacts in Table 4 below, MED1stMR attended several clustering and networking events (see Table 4) and started an exchange with other projects.

Table 4: Contacts with related projects

Project	Descripiton	(potential) Collaboration	Common topics
CounteR	The ultimate goal of the CounteR solution is to provide law enforcement agencies (LEAs) and Internet providers and social media platforms with an Early-warning tool to be used in the detection of potential radical content for the prevention of radicalisation spread and ultimately life-threatening terrorist attacks.	Mutual cooperation in webinars, participation in events, exchange of end users	innovative technological solutions

NO-FEAR	NO-FEAR is a 5-year (June 2018 – May 2023) Coordination and Support Action project that brings together a pan-European and beyond network of emergency medical care practitioners, suppliers, decision and policy makers to collaborate and exchange knowledge, good practices, and lessons learned. Members of the network collaborate to develop a common understanding of the innovation potential that fills operational gaps and pinpoint areas for future research.	Joint webinars, invitation to events, future collaboration in the common areas collaboration in dissemination and exploitation of the results	First responders training and education
TEAMAWARE	The main objective of the TeamAware Project is to develop an integrated and cost-efficient situational awareness system for first responders from different sectors with heterogeneous and hardly interoperable sensor units including drone mounted, wearable, and external sensor systems. Thus, TeamAware enhances crisis management, flexibility and reaction capability of first responders from different sectors through real-time, fused, refined, and manageable information by using highly-standardised augmented reality and mobile human machine interfaces.	Joint webinars, joint events, invitation to events	Wearable health/body sensor (and integration), Virtual Reality.
INGENIOUS	INGENIOUS is a 42-month EU project (ends February 2023) which aims to assist First Responders in being more effective and saving more lives during natural and manmade disasters and crises by exploiting novel technologies. INGENIOUS is developing, integrating, testing and validating a Next Generation Integrated Toolkit (NGIT) for Collaborative Response, which ensures high level of Protection and Augmented Operational Capacity to respond to the disaster scene.	All possible ways of collaboration (joint webinars, joint press releases, joint newsletters, invitation to events, exchange of end users, etc.)	Both projects are developing technologies for first responders

| SHOTPROS | The Horizon 2020 research project aims to improve the training for European Police officers. 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 are investigated in end user centered studies. Based on the results, SHOTPROS develops a HF-rooted training curriculum and a corresponding Virtual Reality training solution to provide a comprehensive framework for practical training. | Invitation to events, knowledge sharing, joint webinars | The common topics are the innovative VR / MR training for first responder, VR / MR scenarios for challenging environments |

2.1.4 Policy-maker contacts

MED1stMR thrived to establish contacts with policy-makers on national and European level. To do so, the partners attend events with high policy-relevance and introduce the project there. The list of events where project partners got in contact with policy-makers is presented in Table 5 below.

Table 5: Policy-maker contacts MED1stMR.

Event	Short description	Partn.	Date
Upper Austrian Emergency Days	MED1stMR was presented by SIM CAMPUS at the think tank of BVRD (Federal Association of Rescue Services) during the Upper Austrian Emergency Days. Policy- and decision-makers in the field of rescue services received information about the potential of MED1stMR.	SIM	Sep-21
Project to Policy Seminar hosted by the EC	MED1stMR was in Brussels at the Project to Policy Seminar with the European Research Executive Agency (REA) & DG Home. Contact and synergies with other H2020 projects from the area "disaster resilient societies" were established. Moreover, several policy-makers on an European level were informed about the innovative approach of the project.	AIT USE	Jul-22
SHOTPROS final conference	The project was presented and networked with several stakeholders in the multi-disciplinary training context at the SHOTPROS final conference. The Belgian Minister of Internal Affairs, the governor of Antwerp and a representative from DG Home were present and got informed about MED1stMR.	AIT PLUX USE	Sep-22
CERIS Event Technologies for First Responders	The project was presented at the CERIS event that included 2 dedicated sessions with policy-makers regarding standardisation in a training context.	AIT	Nov-22

Figure 5: MED1stMR at the Upper Austrian emergency days.

Figure 6: MED1stMR at the CERIS event.

2.2 Communication Activities

The KPIs for MED1stMRs communication activities have been elaborated in relation to the scope of the project and in an ambitious and realistic way. Each KPI (per project year) is presented in Table 6 and to what degree it was achieved by M17.

Table 6: KPIs Communication achieved M1-M17

	Year 1		Year 2		Year 3		Total	
	planned	achieved	planned	achieved	planned	achieved	planned	achieved
Social Media								
Number of MED1stMR posts in social networks	20	65	30	54	30	-	**80**	**119**
Cumulated number of social media community gathered across socialmedia sites (group members, followers, page likes)	100	242	150	57	200	-	**200**	**299**
Cumulated number of social media reactions (likes, comments, shares, retweets)	100	881	125	603	150	-	**150**	**1484**
Quality of social media comments: neutral, positive, negative	Neutral or positive social mediacomments							
Website								
Number of unique visitors on the website	1500	23470	1500	29881	1500	-	**4500**	**53351**
Cumulated number of referring websites (to the MED1stMR website orsocial media channels)	2	14	5	6	10	-	**10**	**20**
News & Media Coverage								
Number of press releases delivered to media	1	1	1	-	1	-	**3**	**1**
Newsletter distributions	1	1	1	-	2	-	**4**	**1**
Number of references in media (offline and online)	2	5	4	-	6	-	**12**	**5**
Quality of media references (offline and online): neutral, positive,negative	Neutral or positive social mediacomments							

2.2.1 Social Media

The following **social media channels** were chosen for the communication of MED1stMR according to strategy outlined in D8.1:

- Twitter: https://twitter.com/Med1stmr
- Facebook: https://www.facebook.com/MED1stMR
- LinkedIn: https://www.linkedin.com/company/79348257/
- Researchgate:https://www.researchgate.net/project/MED1stMR-Medical-First-Responder-Training-using-a-Mixed-Reality-Approach-featuring-haptic-feedback-for-enhanced-realism

USE as WP8-lead was mainly responsible for the **content and community management** on the social media channels. All other partners supported the MED1stMR social media presence by sharing, following and liking the posts. Thereby, the consortium **over-fulfilled all KPIs** as shown in Table 6.

The success of the social media channels was tracked on a monthly basis with the KPI monitoring tool (see table 7 and D8.1). All channels increased constantly in terms of followers and interaction. Table 7 shows the detailed numbers of the KPI tracking per project month per channel. Some highlight-postings from project partners are provided in Figure 7 and Figure 8.
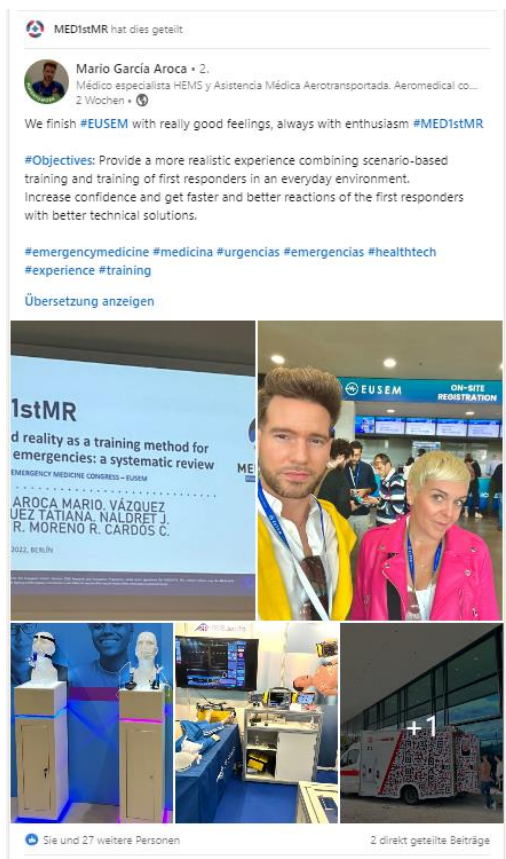

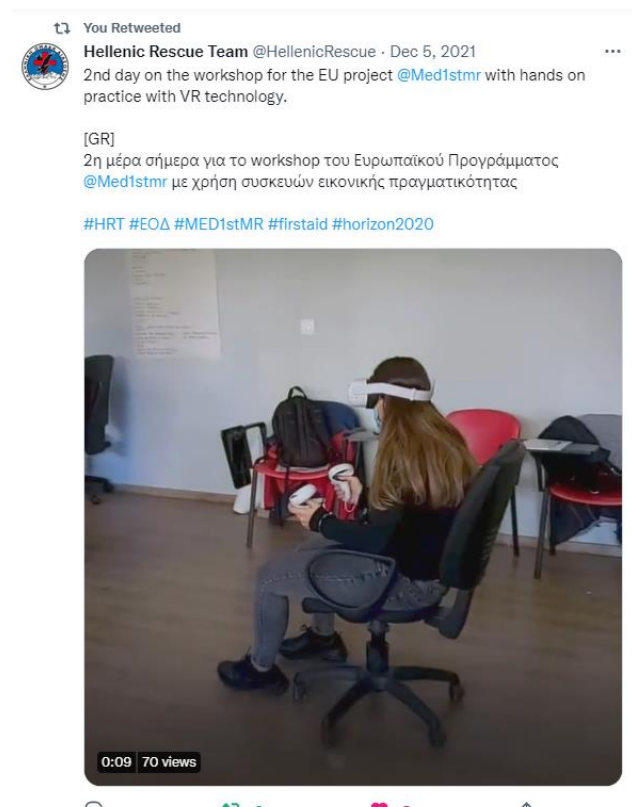
Figure 8: SUMMA-SERMAS LinkedIn posting about MED1stMR

Figure 7: HRT promoting the MED1stMR VR experience on Twitter

Table 7: Social Media KPI tracking tool (M1-M18)

Communication KPIs	Year1												Year 2												Achieved
	June 21	July 21	Aug.21	Sep.21	Oct 21	Nov.21	Dec 21	Jän.22	Feb.22	Mar 22	Apr.22	May 22	June 22	July 22	Aug.22	Sep.22	Oct 22	Nov.22	Dec 22	Jän.23	Feb.23	Mar 23	Apr.23	May 23	
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	
Social Media																									
Number of MED1stMR posts in social networks	5	3	7	9	6	5	5	4	2	8	5	6	9	10	7	11	11	6							**119**
Linkedin	2	1	0	3	2	2	1	1	0	2	1	2	4	4	3	4	7	3							42
Twitter	1	2	5	3	3	1	2	3	2	4	3	2	2	4	2	4	3	3							49
Researchgate	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0							3
Facebook	1	0	2	3	1	1	2	0	0	2	1	2	3	2	1	3	1	0							25
Cumulated number of social media community gathered across social media sites (group members, followers, page likes)	49	14	39	25	23	19	19	13	15	11	9	6	21	15	4	11	3	3							**299**
Linkedin	17	4	20	8	3	12	7	10	12	5	3	1	18	12	3	5	2	2							144
Twitter	15	7	17	12	8	3	11	2	3	4	2	1	2	1	1	3	0	1							93
Researchgate	2	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0							7
Facebook	15	3	2	5	12	4	1	0	0	2	1	3	1	2	0	3	1	0							55
Cumulated number of social media reactions (likes, comments, shares, retweets)	70	63	75	105	51	34	61	89	43	75	83	132	111	60	72	162	130	68							**1484**
Linkedin (likes, comments, shares)	12	19	43	47	16	11	25	16	18	45	25	67	56	26	18	89	78	40							651
Twitter (likes, comments, retweets)	14	23	12	37	23	12	19	8	15	24	43	26	40	18	37	58	35	23							467
Researchgate (comments, reads)	21	9	8	3	5	2	4	12	1	0	0	5	3	8	3	2	2	0							88
Facebook (likes, comments, shares)	23	12	12	18	7	9	13	53	9	6	15	34	12	8	14	13	15	5							278

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2.2.2 Website

The website was developed in the beginning of the project and updated regularly by WP8-lead USE in accordance with the project progress. By M17 the project website was visited **more than 50.000 times** (see Annex I) and therefore, overfulfilled the KPIs as presented in Table 6.

Moreover, the number of **referring website** to www.med1stmr.eu was overachieved. For the sake of transparency, the links (by M17) are reported in Table 8.

Table 8: Referring websites to www.med1stmr.eu

Link	Type	Date
https://www.psychologie.uni-heidelberg.de/news/2021/04/23/eu-projekt-med1stmr-bewillgt	Partner	Apr.21
https://news-papers.eu/?p=15595	Media	Jun.21
https://www.provincieantwerpen.be/opleidingen.masterdetail.html/p_detail_url/nl/doe/campus-vesta/opleidingen/internationale-opleidingen-en-onderzoek/med1stmr.html	Partner	Jun.21
https://www.refense.com/post/med1stmr-kick-off-meeting	Partner	Jun.21
https://www.umu.se/en/news/the-eu-grants-umea-university-researchers-over-sek-66-million_10574860/	Partner	Jun.21
https://www.zab.at/forschungsthemen-1	Partner	Jul.21
https://www.unileoben.ac.at/forschung/eu-projekte/	Partner	Jul.21
https://www.idener.es/?page_id=566	Partner	Jul.21
https://www.hrt.org.gr/hellenic-rescue-team-participates-in-the-european-project-med1stmr.en.aspx	Partner	Sep.21
https://johanniter.org/med1stmr/	Partner	Okt.21
https://medical-x.com/news/med1stmr-01/	Partner	Nov.21
https://popuphub.at/de/info-page2/blog	Media	Nov.21
https://www.ait.ac.at/news-events/single-view/detail/7080?cHash=1f7f6675093ce6569dc3bde964509d1b	Partner	Nov.21
https://johanniter.org/4175/med1stmr-consortium-holds-its-first-physical-meeting-in-zurich/	Partner	Dez.21

https://www.usecon.com/usecon-bei-der-general-assembly-von-med1stmr/	Partner	Jun.22
https://teamaware.eu/project-overview/	Project	Jul.22
https://stereopsia.com/speaker_post/med1stmr/	Project	Jul.22
https://ingenious-first-responders.eu/tag/triage-app/	Project	Aug.22
https://counter-project.eu/network/med1stmr/	Project	Aug.22
https://www.ots.at/presseaussendung/OTS_20211110_OTS0134/medizinische-ersthelferinnen-fit-fuer-einsaetze-machen-bild	Media	Nov.22

2.2.3 News and media

The project partners delivered a **press release** to the media in the beginning of the project. This resulted in a total number of **5 references** in different online and offline media publications (see Annex IV). Therefore, the KPIs of MED1stMR for the media coverage are fulfilled.

Moreover, a **newsletter** (see Annex III) was delivered to the subscribers from the project website, informing the readers about the latest accomplishments of MED1stMR. The **opening rate** of the newsletter was with over **35%** satisfactory high (see Figure 10).

Figure 9: MED1stMR Newsletter opening rate

Figure 10: Austrian Press Agency publishing the MED1stMR press release
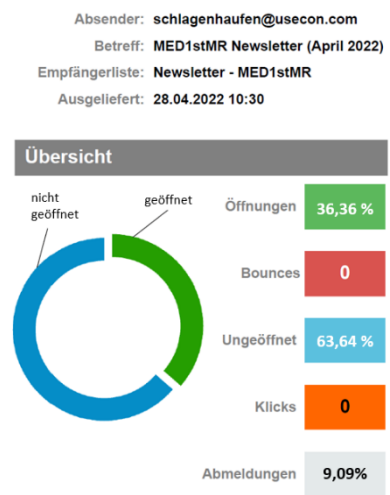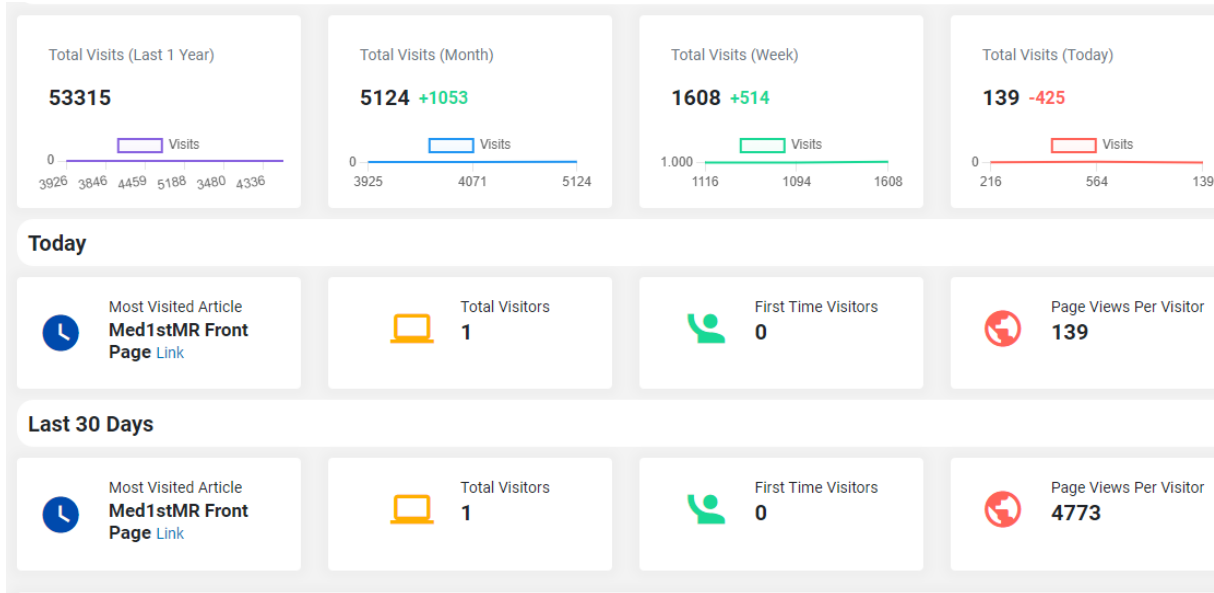
3 Summary and outlook

The dissemination and communication of all MED1stMR partners resulted in successful exchange and increased awareness amongst all target groups about the importance of the project. All KPIs set for this work package were achieved as planned in the first half of the project. However, the consortium will continue to communicate and disseminate the project and spread the word about the potential of mixed reality training for medical first responders and the upcoming project results.

In the second period of the project, the focus of WP8 will be on the demonstration of tangible results at events, trainings and workshops. Also, the established contacts to policy-makers, networks and other projects will be intensified and utilised to achieve a multiplier-effect in the communication of the project and to address the need for MFR training at all levels. Based on the successful collaboration in the first 17 months, the consortium is confident that this goal can be achieved.

Annex

Annex I: Number of Website Visitors

Total Visits (Last 1 Year)	Total Visits (Month)	Total Visits (Week)	Total Visits (Today)
53315	**5124** +1053	**1608** +514	**139** -425

Today

Most Visited Article **Med1stMR Front Page** Link	Total Visitors **1**	First Time Visitors **0**	Page Views Per Visitor **139**

Last 30 Days

Most Visited Article **Med1stMR Front Page** Link	Total Visitors **1**	First Time Visitors **0**	Page Views Per Visitor **4773**

HORIZON 2020

Annex II: Newsletter MED1stMR

MED1stMR Newsletter

Dear Ms. Schlagenhaufen,

thank you for subscribing to our **official MED1stMR newsletter**. We will keep you informed about events, research activities and results of MED1stMR! The Horizon 2020 project **successfully started** with the kick-off event in June 2021 and is in full progress. All partners are collaboratively working on the tasks towards developing innovative **mixed reality (MR)** training for European **medical first responders.**

In the first period of the project, the focus was to **uncover** the **needs and wishes of the end users** for future MR training. This was done by conducting **workshops** and meeting with all end user partners. The **first results** are already considered in the **system architecture** and will be implemented and tested in an **iterative and agile** way. Thereby, we thrive to achieve our project goal to **increase the resilience** of medical first responders by developing novel MR training.

Insights into end users needs for MR training

MED1stMR has completed the requirement workshops in the previous months and gathered valuable insights into the wants and needs of the end users.

Link to page

Requirement workshops conducted

MED1stMR conducted the requirement workshops to identify the needs of the end users within the consortium for the future MR training.

Link to page

You want to learn more about MED1stMR? Visit the website and social media channels!

Best regards,
MED1stMR Consortium

Join us on social media

Annex III: Press release 1

MEDIZINISCHE ERSTHELFER:INNEN FIT FÜR EINSÄTZE MACHEN

AIT entwickelt mit Partnern im EU-Projekt „MED1stMR" neuartiges Mixed-Reality-Trainingssystem

Das Horizon 2020 Forschungsprojekt MED1stMR verbessert aktuelle Ausbildungspraktiken, um medizinische Ersthelfer:innen ideal auf stressige und hochkomplexe Katastrophensituationen vorzubereiten. Dazu wird eine innovative Mixed Reality (MR)-Technologie entwickelt, wo reale Trainingssimulatoren mit virtuellen Umgebungen kombiniert werden. Ein multidisziplinäres, internationales Konsortium, koordiniert vom AIT – Austrian Institute of Technology, Center for Technology Experience, erhielt dafür 7,8 Millionen Euro Förderung von Horizon 2020.

Forschungsprojekt verbessert Ausbildung medizinischer Ersthelfer:innen in Europa
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Innovative Mixed-Reality-Technologie für höhere Belastbarkeit
Im gerade gestarteten EU-Projekt MED1stMR wird ein neuartiges Mixed-Reality-Trainingssystem entwickelt, das in der Ausbildung von medizinischen Ersthelfer:innen zum Einsatz kommt. Ziel ist es, durch die Kombination von szenario-basiertem und medizinischem Training einen hohen Realitätsgrad zu erreichen. Die MED1stMR-Trainingslösung erhöht die Reaktionszeit, verbessert die Handlungsfähigkeit sowie die Bewältigungsstrategien von medizinischen Ersthelfer:innen. Das Projekt vereint die neusten technologischen Lösungen mit hochkarätiger Forschung in diesem Bereich, um notfallmedizinisches Training nachhaltig zu verbessern.

Training in realer sowie virtueller Umgebung bringt Mehrwert
Helmut Schrom-Feiertag (AIT), Koordinator von MED1stMR, unterstreicht die Relevanz des Projekts: „Die richtige Einschätzung von Situationen und die Wahl, der besten Strategie zur Behandlung von vielen Verletzten sind Herausforderungen in der aktuellen Notfallmedizinischen Ausbildung. Dabei sind Trainingsmöglichkeiten für solche Szenarien begrenzt. Diese Lücke wollen wir mit der in MED1stMR entwickelten MR-Trainingslösung schließen. Wir bringen reale Simulationspuppen in das virtuelle Training, um die Entscheidungsfindung als auch die medizinischen Fertigkeiten zu trainieren und die Einsatzkräfte bestmöglich auf Notfallsituationen vorzubereiten."

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Neue Generation von MR-Training entwickelt

Das Projekt entwickelt eine neue Generation von MR-Training, das durch die Integration von Patientensimulationspuppen und medizinischer Ausrüstung in die virtuelle Umgebung verbessertes, haptisches Feedback bietet. So können die Auszubildenden in virtuelle Szenarien eintauchen und sowohl Körper, Bewegungen als auch Reaktionen bei der Untersuchung und Behandlung der simulierten Verletzten erfühlen und wahrnehmen. Um die Effektivität des MR-Trainings zu verbessern, wird eine Feedback-Schleife für physiologische Signale und dem Verhalten der Trainierenden zur Echt-Zeit Steuerung der Szenarien integriert. Das wird mit Hilfe von tragbaren Körpersensoren erreicht, die es ermöglichen, den Zustand und das Verhalten der Trainierenden während des Trainings zu überwachen. Zusammen mit einem wissenschaftlichen Modell für effektive Leistung in medizinischen Notfällen ermöglichen die Daten die Anpassung des Trainings an die Bedürfnisse des Auszubildenden.

Ein Team von 19 europäischen Projektpartnern aus Forschungseinrichtungen, medizinischen Ersthelferorganisationen, Wirtschafts- & Technologieunternehmen werden 3 Jahre an dem Projekt arbeiten. Es wurde mit Mitteln aus Horizon 2020 der Europäischen Union für Forschung und Innovation unter der Fördervereinbarung Nr. 101021775 finanziert.

Mehr dazu: https://cordis.europa.eu/project/id/101021775

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Annex IV: Media references

Medizinische Ersthelfer:innen fit für Einsätze machen

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Medizinische Ersthelfer:innen fit für Einsätze machen

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Neue Generation von MR-Training entwickelt

Trainingssystem für medizinische Ersthelfer

Das Austrian Institute for Technology (AIT) entwickelt mit Partnern im EU-Projekt "MED1stMR" ein neuartiges Mixed-Reality-Trainingssystem, das medizinische Ersthelfer und -helferinnen optimal auf ihre Einsätze vorbereitet.

Mithilfe eines neuartigen Trainingssystems werden medizinische Ersthelfer fit für den Einsatz gemacht. (c) SUMMA-SERMAS

Das Horizon 2020 Forschungsprojekt MED1stMR verbessert aktuelle Ausbildungspraktiken, um medizinische Ersthelfer- und helferinnen optimal auf stressige und hochkomplexe Katastrophensituationen vorzubereiten. Dazu wird eine innovative Mixed-Reality-(MR)-Technologie entwickelt, wo reale Trainingssimulatoren mit virtuellen Umgebungen kombiniert werden. Ein multidisziplinäres, internationales Konsortium, koordiniert vom AIT – Austrian Institute of Technology, Center

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Forschungsprojekt verbessert Ausbildung medizinischer

Österreich: Medizinische Ersthelfer:innen fit für Einsätze machen

Medizinische Ersthelfer:innen fit für Einsätze machen
Foto: SUMMA-SERMAS

11 Nov 13:00 2021 von OTS

AIT entwickelt mit Partnern im EU-Projekt „MED1stMR" neuartiges Mixed-Reality-Trainingssystem

Wien (OTS) - Das Horizon 2020 Forschungsprojekt MED1stMR verbessert aktuelle Ausbildungspraktiken, um medizinische Ersthelfer:innen ideal auf stressige und hochkomplexe Katastrophensituationen vorzubereiten. Dazu wird eine innovative Mixed Reality (MR)-Technologie entwickelt, wo reale Trainingssimulatoren mit virtuellen Umgebungen kombiniert werden. Ein multidisziplinäres, internationales Konsortium, koordiniert vom AIT – Austrian Institute of Technology, Center for Technology Experience, erhielt dafür 7,8 Millionen Euro Förderung von Horizon 2020.

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Innovative Mixed-Reality-Technologie für höhere Belastbarkeit

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APA/OTS Bild/SUMMA-SERMAS

AIT entwickelt mit Partnern im EU-Projekt MED1stMR neuartiges Mixed-Reality Trainingssystem

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