IN-PREP

"An INtegrated next generation PREParedness programme for improving effective inter-organisational response capacity in complex environments of disasters and causes of crises"

D8.4 Information Pack for referenced & networked communication amplifiers

Document Summary Information

Grant Agreement No	740627	Acronym	IN-PREP
Full Title	An Integrated next generation preparedness programme for improving effective interorganisational response capacity in complex environments of disasters and causes of crises		
Start Date	01/09/ 2017	Duration	36 months
Project URL	https://www.in-prep.eu/		
Deliverable	Deliverable 8.4 Information Packs for Referenced & Networked Communication Amplifiers and Communications programme		
Work Package	8		
Contractual due date	February 2019 M18	Actual submission date	
Nature	Report	Dissemination Level	Public
Lead Beneficiary			
Responsible Author	Johanna Varghese		
Contributions from	Stephen Walker		

Revision history (including peer reviewing & quality control)

Version	Issue Date	Stage	Changes	Contributor(s)	Comments
1	15.08.2018	Yellow review	First draft of sample info pack	ICCS	good for yellow review purpose
2	16.01.2018	Red Review	Second draft with additional material for info pack - assets and collateral pack. Explanation for brand logo included in the updated version of brand guidelines – 'Communicating our Brand'	ADS	On the whole comprehensive and also add feedback from 1st review such as explanation of brand logo
3	27.02.2018	Final			

Executive Summary

The objective of Work Package 8 is to 'engage, create awareness and promote information about the Action' (IN-PREP DoA p51) and achieve a high level of impact for the project and its results. This deliverable D8.4 Information Packs (info pack) for Referenced & Networked Communication Amplifiers[1] also forms part of Milestone 20 - the communications programme[2] with referenced and networked disaster risk management actors.

The deliverable is an output of the following tasks (IN-PREP DoA p48 -49):

- T8.3 'Implementation of High Impact Communications activities'
- T8.4 'Outreaching Events (Workshops, Conferences, Demos and Seminars)'
- T8.5 'Proactive reference and networking with key actors in disaster risk management and other relevant national EU, and global projects'

And builds on deliverables

D8.1 Brand Strategy (December 2017)

https://www.in-prep.eu/wp-content/uploads/2018/05/IN-PREP_D8.1_IN-PREP_Brand_Strategy_v1.001.pdf

D8.2 Communications Strategy and Plan submitted (April 2018)

https://www.in-prep.eu/wp-content/uploads/2018/05/IN-PREP_D8.2_Communication_Strategy_and_Plan_v1.001.pdf

One way of increasing resilience is to improve preparedness. IN-PREP's vision is to save more lives through better prepared responders. Our project is developing both a system for collaborative response planning and a training platform.

Within the context of disaster management, there is a lack of training capabilities to prepare different agencies across countries to collaborate during transboundary crises. IN-PREP brings together experts in crisis management to create a training platform targeted to civil protection agencies and first responders to meet the following objectives:

- Share response planning across borders and agencies
- Communicate relevant information in real time
- Coordinate critical resources
- Train and Plan collaboratively for future crisis events

The purpose of the info pack in deliverable 8.4 is to support consortium members inform, engage, create awareness and promote information about the Action (IN-PREP DoA p51) to achieve a high level of impact for the project and its results. The outline communication programme is offered to consortium partners so that they can communicate IN-PREP messages to target audiences defined in deliverable 8.2 (p 15) and included in Section 3. For information on progress of KPIs and dissemination plan and report, refer to deliverable 8.3.

The main contribution of the info pack is an **Assets and Collateral pack** with downloadable content from the project shared workspace Redmine*.* The info pack works in tandem with the Communications programme (MS20 launched mid-March 2019) which provides messages and referenced networks of IN-PREP partners.

This document displays communication collateral offered in the info pack and messaging designed by WP8 leader CARR. Partners may adapt them as they see fit when communicating IN-PREP in their channels.

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[2] Means of verification of MS20 – the programme is launched and communicated to all defined stakeholders

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Glossary of terms and abbreviations used

Abbreviation / Term	Description
DoA	Description of Action IN-PREP 2017
Communication collateral	All forms of tangible communication material, for example leaflets, website, folders, banners, tweets, posters, pens etc. that promote the project brand
CoU	Community of Users
CP	Civil Protection
ECHO	EU Civil Protection & Humanitarian Aid Operations https://ec.europa.eu/echo/index_en
ERCC	European Commission's Emergency Response Coordination Centre https://ec.europa.eu/echo/what/civil-protection/emergency-response-coordination-centre-ercc_en (They coordinate the EU civil protection response mechanism)
Info pack	Information Packs for Referenced & Networked Communication Amplifiers
MRPP	Mixed Reality Preparedness Platform
Networked communication amplifiers	Proactive networking with key actors in disaster risk management and other relevant national, EU and Global projects
rescEU	The aim of rescEU is to strengthen the existing EU Civil Protection Mechanism and assist member states to respond faster and more effectively to disasters, by sharing civil protection assets more efficiently. The draft law shall set up a reserve of assets such as forest fire-fighting planes, high-capacity pumps, urban search and rescue and field hospitals, and emergency medical teams, for use in all kinds of emergencies. MEPs also propose setting up the equivalent of an Erasmus programme to promote cooperation among civil protection personnel. http://www.europarl.europa.eu/news/en/press-room/20180528IPR04447/resceu-meps-vote-to-upgrade-eu-civil-protection-capacity https://ec.europa.eu/commission/news/resceu-2018-dec-12_en
RRI	Responsible Research and Innovation

SoA	State of the Art
SSH	Social Sciences and Humanities

Table 1 - Glossary

1   Introduction

IN-PREP is creating a training system that enables response agencies to train, plan and collaborate together, so that responders will be better prepared to work together during transboundary crises and more lives may be saved. Based on evidence, we know that there is a lack of training capabilities to prepare different agencies across countries to work together during transboundary crises. To fill this gap, IN-PREP is creating an end-to-end crisis management training system that includes:

- **The Mixed Reality Preparedness Platform (MRPP)**
  A novel IT training tool capable of exchanging data with different operational systems. It will feature decision support capabilities with built in situational awareness; resource allocation in real time; rapid remote sensing for quicker response actions; large scale evacuation simulation; coordinated C3 systems; vulnerability and risk assessment

- **Training modules**
  That facilitate joint training sessions and tailored to different types of civil protection agencies

- **A Crisis Management handbook**
  That enable agencies to implement the MRPP in standard practice; it includes recommendations on organisational & legal issues, and human factors in the command & control room

The importance of preparedness is reflected in the UNISDR Sendai Framework 2015-2030 priority 4[3]. In May 2018 the EU parliament approved proposals to upgrade the EU Civil Protection Mechanism[4]. The mechanism was actively used in responding to the wild fire emergencies in Sweden Latvia and Greece in July 2018. Moreover, one of the two strands of action in rescEU[5] a new European system to tackle natural disasters focuses on stepping up disaster prevention and preparedness.

This document Deliverable D8.4 'Information Packs for referenced and networked communication amplifiers[6] (info packs), is a key deliverable within WP8 High Impact Communications and Networking. It is a sample of the IN-PREP communication elements available for consortium partners to communicate the project well.

The purpose of the info packs is to support our consortium partners to engage as many organisations and people as possible and make them aware that IN-PREP is creating an interagency and inter-border collaborative training system for effective transboundary preparedness. Communication priorities are

- The IN-PREP system
  - Mixed Reality Preparedness Platform (MRPP) : a novel IT base training platform
  - Training modules to facilitate transboundary preparedness between agencies from different policies and countries
  - Crisis Management Handbook
- Research and new knowledge in SSH and RRI
- IN-PREP breakthroughs on State of the Art technology in the crisis management context (D8.2 Communication Strategy and Plan p15 -18)

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[3] Priority 4 – Enhancing disaster preparedness for effective response (UN 2015)
[4] http://www.europarl.europa.eu/news/en/press-room/20180528IPR04447/resceu-meps-vote-to-upgrade-eu-civil-protection-capacity
   https://ec.europa.eu/commission/news/resceu-2018-dec-12_en
[5] The aim is to assist member states to respond faster and more effectively to disasters, by sharing civil protection assets more efficiently. The draft law shall set up a reserve of assets such as forest fire-fighting planes, high-capacity pumps, field hospitals and emergency medical teams, for use in all kinds of emergencies.
[6] 'Networked communication amplifiers' means proactive networking with key actors in disaster risk management and other relevant national, EU and Global projects

What messages would be useful for project partners to communicate?

In deliverable [D8.2 Communication Strategy and Plan](), our partners provided input into IN-PREP's key messages, audiences and channels (Appendix 1).

The info pack of assets and collateral in a [folder of downloadable material](()[7] is one of the components of the Communications programme (milestone 20) and shall be adapted by partners to support communication of IN-PREP to their networks.

The aim of the communication programme is to support our partners to engage with civil protection, first responder agencies, policy makers and other relevant audiences in their networks to make them aware of the IN-PREP training platform, show them the relevance of IN-PREP so that they will use the IN-PREP system in their training programmes

The challenges for us at this point in the project is

- To communicate the value of the IN-PREP in second year when the prototypes are at the development stage.
- To ensure that the elements in the info pack dovetail into partners communication needs

1.1 Addressing the IN-PREP Description of Action

IN-PREP GA requirements	Section(s) of present deliverable addressing IN-PREP GA	Description
(Reference to Objectives, Tasks, Subtasks)	*(Present deliverable Headings /Sections)*	*(Briefly describe how addressed, max 2-3 lines)*
Task 8.3 Implementation of High Impact Communications activities 'Reports at interim … will document communication activities implemented and all associated communication collateral (T8.2) will be annexed to the report.' (p49 DoA)	Section 2 records the associated communication collateral implemented. Communication activities can be found on this link https://redmine.iccs.gr/projects/in-prep/dmsf?folder_id=4409 and within Section 3, the communications programme is outlined	Communication collateral presented
Task 8.4 Outreaching Events (Workshops, Conferences, Demos and Seminars) 'Bespoke and highly impactful communications collateral will be developed for use at each event based on T8.2 outputs.' (p49 DoA)	Section 2 contains the highly impactful communications collateral developed for events	Communication collateral presented
Task 8.5 Proactive reference and networking with key actors in disaster risk	An outline communications programme is provided in Section 3 This will be developed for milestone 20 - Launch of communications	Communications collateral, examples of social media messages and outline communications programme combine to form the information

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[7] A user name and password are required to look at the folder and download contents

management and other relevant national EU, and global projects.	programme with referenced and networked disaster risk management actors.	pack for potential and reference networking.

Table 2 - Deliverable's adherence to IN-PREP objectives and Work Plan

1.2   Document outline

The document provides samples for graphics and communication collateral in IN-PREP. The project website shall contain a folder of sample templates in pdf. The files shall be available to the consortium partners on the IN-PREP shared workspace, Redmine. Partners shall be able to download the templates and adapt them for their use to communicate the project to Civil Protection (CP) agencies, first responders organisations, trained volunteers, organisations like CEU, ERCC, ECHO and CoU, research and technical communities, industry and SME.

2   Contents of the Information pack – Assets and Collateral

The sample shown here includes communication collateral (tangible things that can be held, touched and passed physically from one person to another) and digital communication.

2.1   Logos & Fonts

Figure 1 - logo in colour, grey scale and white
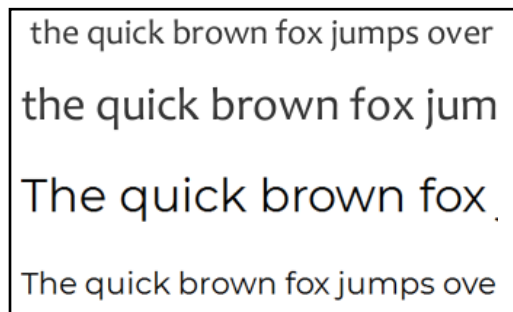
Figure 2 - Fonts in Montserrat and Candara

Content: Logo and mark in colour or black & white; Fonts in Candara and Montserrat

Function: Brand identity

URL link to file: IN PREP logos and fonts *https://www.in-prep.eu/download*
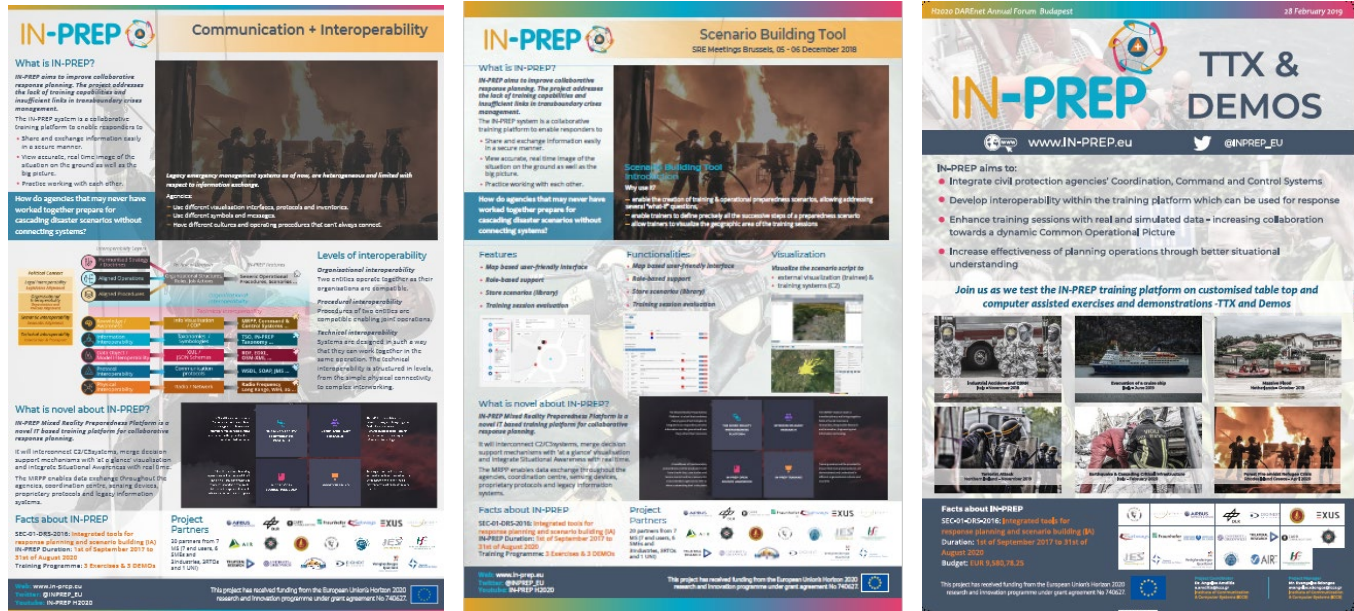
2.2   Poster

Figure 3 - IN-PREP Poster on Interoperability exhibited at COU 11 and Eurosatory Defense Exhibition June 2018; Scenario Building Tool exhibited at SRE2018December 2018; TTX and Demos exhibited at DAREnet Annual Forum February 2019

Content: Breakthroughs of IN-PREP.

 The generic poster structure is:

What is IN-PREP? and title of subject matter (Interoperability or Scenario building)	Question that IN-PREP is addressing	The gap or limitation that exists
The emerging research, technology or applied knowledge that IN-PREP is applying to its system	What is novel about the emerging application or knowledge in IN-PREP?	Facts about IN-PREP
Project partners - logos	Links such as Website URL, Twitter and YouTube	Grant number H2020 Project funding acknowledgement EU flag

Table 3- Poster content structure

Images on the poster can be changed to suit the appropriateness of the event.

Function: Engage audiences with IN-PREP's research, technology and innovation at conferences and meetings.

As IN-PREP is an interdisciplinary project – subject matter would be changed for the different fields of IN-PREP

Website URL link: https://www.in-prep.eu/wp-content/uploads/2018/06/IN-PREP-Poster_blank.pdf + Redmine

2.3 Leaflet – English & Italian (updated November 2018)
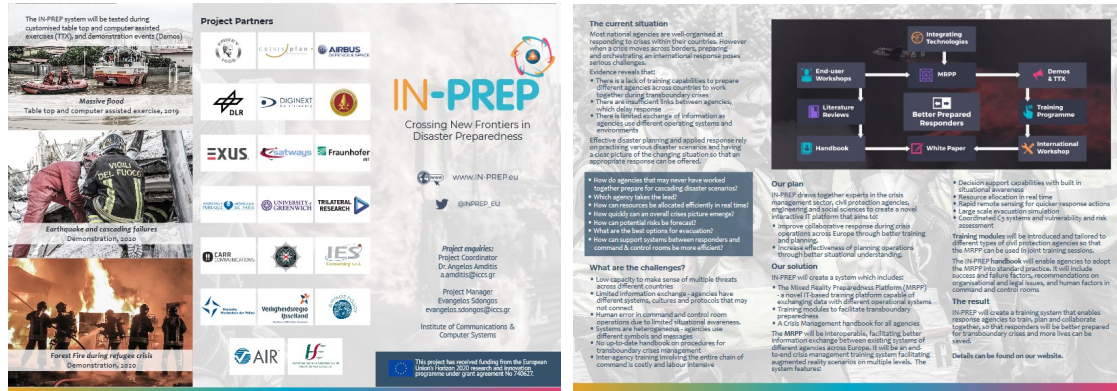
Figure 4 - IN-PREP leaflet – it will be updated each year as TTX and demos are completed and new information emerges

Content: Provide information about the challenges in the current situation of disaster management and IN-PREP's aims and results. The leaflet will be updated each year as TTX and demos are completed

Function: Share IN-PREP vision, products and services, promises

Website URL link: English - *https://www.in-prep.eu/wp-content/uploads/2018/12/IN-PREP_English_Leaflet_Nov-18_v3_printers-marks.pdf*

Italian - *https://www.in-prep.eu/wp-content/uploads/2018/12/IN-PREP_English_Leaflet_Nov-18_v3_printers-marks.pdf*

And also on Redmine

2.4 Invitation

Content: Date, time and location of TTX; general information about what a TTX is; information on IN-PREP TTX and scenario; information about IN-PREP; registration and contact information

Function: Invite and inform

Link: Redmine

2.5   TTX / Demonstration Manual Card

Content: Provides information on the title; date; time; location; contact information; objective; room set up; scenario; what will be tested. The manual card shall be adapted to suit each TTX or demos. New images shall be supplied by WP8 lead, CARR.

Function: Provide scenario, agenda and information about set up and process.

Link: Redmine

2.6   PowerPoint presentation

Figure 5 – (l-r) Sample slide from the IN-PREP power point introductory presentation and being used at an IN-PREP event

Content: Introduction to IN-PREP by ICCS and used by consortium partners when introducing our project

Function: partners may choose slides to add to their presentations

URL link to PowerPoint file: https://www.in-prep.eu/wp-content/uploads/2018/06/IN-PREP_Action_Presentation_June_2018.pdf

Link: Redmine

2.7 Infographic

An infographic shall be created by month 19 after the first TTX and will be updated as further TTXs and demos are completed.

Content: Relevant information on the IN-PREP project will be presented

Function: To inform and add to building an emotional connection between IN-PREP brand and audience

2.8 Banners

2.8.1 Giant banner (1.8 X 6m horizontal)

Figure 6 – Giant banner design 1.8X6m and in-situ Spoleto 2018

2.8.2 Pull up banners 1 (basic) and 2 (simple) *design and in situ*

Figure 7 - (l-r) Banner 1 & 2; banner 1 in situ at TTX event

The banners are designed in a generic way so that it is reusable throughout the project. Banner 1 provides information on IN-PREP aims and TTXs and demos. Banner 2 is designed to be simple, bold and striking to attract people to find out more. Partners can reuse the banners or adapt to suit their needs by modifying the file.

Content: IN-PREP information on the impacts and strong visual identity to reinforce the brand

Function: A transportable device that helps to increase the presence and identity of the brand and product in a bold and striking way.

Link: Redmine

2.9 Folder, A5 note pad, conference bag, touch pen, lanyard & plastic holder and name card insert

Figure 8 – (clockwise from top) Folder, A5 notepad, bag, touch pen, lanyard & plastic holder, name card insert

Content: Communication collateral for IN-PREP events
Function: To support, communicate and establish IN-PREP brand messages during events and link them to disaster risk management
Link: Redmine

2.10 T-shirt and cap

Figure 9 - (clockwise from top) T-shirt and sleeve design and being worn Spoleto 2018; Hi-Viz vest; Cap to be manufactured for next event

Content: Novelty communication collateral for IN-PREP events

Function: To support and communicate IN-PREP brand messages during TTX and demonstrations

Link: Redmine

2.11 Videos

For the first year our strategy for video was to stay away from the typical explanation narrative that we observed on many EU projects. Instead we created videos on the context of crisis management landscape. In our first video, we focused on end user partners and interviewed them about key gaps in crisis management. On the second video our intention was to interview end users outside our consortium and emphasise the importance of preparedness which is the kernel of IN-PREP. In the second year, following the development of our project and first review, we shall create a video on the elements of the IN-PREP platform and why it would be useful for preparedness. Partners' logos are inserted into all IN-PREP videos for information and publicity.

Figure 10 - IN-PREP partner logos

Figure 11 – (l-r) IN-PREP videos on Preparedness (July 2018) and Key Gaps in Crisis Management (February 2018), RT of video by consortium partner and Tweet of video by consortium partner

Content: The content is evolving and emerging as the project develops. Partners can use the videos in social media sites

Function: Engage and create awareness about IN-PREP and disseminate results when available

Link: https://www.youtube.com/channel/UC_q9vaXQy2ClQE03icPsxIA

2.12 Twitter Cut-out
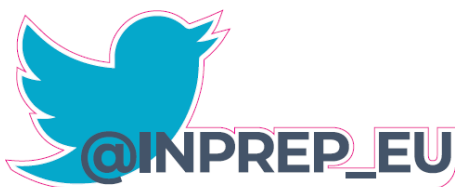
Content: IN-PREP Twitter handle

Function: A novel way to nudge new followers to IN-PREP on Twitter during IN-PREP events

Link: Redmine

2.13 IN-PREP Brand Guidelines

Content: Branding guidelines (December 2017) which forms part of Deliverable 8.1 Brand Strategy contains logo, colours, typeface and other types of visual language that help to create the IN-PREP brand.

Function: To keep the brand identity and visual language consistent.

Website URL link: https://www.in-prep.eu/wp-content/uploads/2018/06/In-prep_brand_guidelines_v1.pdf

2.14 IN-PREP partner map

Figure 12 - IN-PREP partner map

Content: Diagrammatic map to visually indicate agencies and countries involved in IN-PREP

Function: To inform the audience about those involved in the project and display the breadth and expertise of the consortium.

Link: Redmine

2.15 Newsletter

(Hyperlink to newsletter on IN-PREP website)

Figure 13 - IN-PREP newsletter pages (July 2018)

Content: The latest news, events and developments of the project and its partners. Partners can forward the newsletter to interested network.

Function: Updates our audience with the latest news, events and developments of the project and its partners. The newsletter helps the audience engage and re-engage with the project.

URL link: https://www.in-prep.eu/news/in-prep-1st-newsletter/

2.16 Sample posts for Social Media

In general the different social media platforms of Twitter, LinkedIn and Facebook follow a similar strategy.

Add to the conversation by

- Supporting other projects or organisations with a reply or re-post
- Uploading news on relevant events of other organisations and IN-PREP
- Creating new content within the IN-PREP project through blogs or project news items

2.16.1 Twitter sample

Figure 14 – 3 different ways to tweet: (l-r) reply to tweet with IN-PREP activity; Re-Tweet EU H2020 cluster project; Tweet original material from IN-PREP partner to both populate and drive traffic to IN-PREP website

Content: Latest news in the field of crisis management and related disciplines of IN-PREP partners such as RRI, SSH, Information Systems, Engineering and real world situation of CP agencies

Function: Find latest news on the interdisciplinary fields within IN-PREP and connect with other groups to build an audience for the IN-PREP project and system.

URL link: https://twitter.com/INPREP_EU

2.17 Wall paper
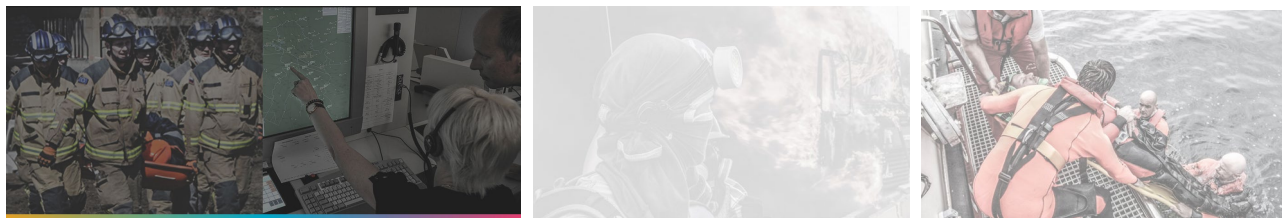
Figure 15- Background images that can be used wall paper in partner presentations

Content: Designed images of disaster response as used in the IN-PREP project visuals

Function: Background images to be used by partners when presenting the IN-PREP project or their technology /research in IN-PREP and forms part of the brand identity.

Template – https://redmine.iccs.gr/projects/in-prep/dmsf?folder_id=3408

https://redmine.iccs.gr/projects/in-prep/dmsf?folder_id=3409 and

https://redmine.iccs.gr/projects/in-prep/dmsf?folder_id=3015

2.18 Brochure

The brochure is planned between the 2nd and the 3rd demonstration, month 26 and 29 (November 2019 – February 2020), when results are available after the TTX and the MRPP is at prototype stage with a TRL level 4. (To be confirmed with project coordinator, delivery date after 3rd demonstration)

Content: brochure content will have the IN-PREP training system, Crisis Management handbook, MRPP and latest research in RRI and SSH

Function: To sell the importance and function of the IN-PREP system to CP agencies to ensure its adoption into training protocols

3 Outline Communications programme

Each activity, demonstration exercise, forum, conference, presentation, attendance at an outreach event, meeting, publication and direct email provides an opportunity to communicate IN-PREP products, services and research.

3.1 Brand core

IN-PREP brand core in fig 16 underpins the communications programme. Our project vision is to see a world of well-prepared responders ready to collaborate with other agencies and countries so that more lies can be saved during crises.

Figure 16 - Brand core (from IN-PREP D8.1)

3.2 Overarching message through IN-PREP activities

All our activities lead to the overarching vision of better prepared responders.

Figure 17 - IN-PREP vision of 'better prepared responders' and contributing activities

3.3 Products and services

Upcoming products:

- MRPP - Training Platform with novel IT components
- IN-PREP 13 technical breakthroughs in State of the Art components
- Training modules
- Crisis Management Handbook
- White paper

Upcoming events

- 2 TTX and 3 Demos
- Research and Publications
- Outreach events and workshops attended by partners
- International Workshop

3.4 Initial Communications programme outline for M18 - M36

Every IN-PREP activity shall be used as an opportunity to communicate the project. The next pages outline the baseline
for audience, messages and channels based on 8 upcoming IN-PREP events in the next 18 months till the project ends.
KPIs and partners responsible are included (dates are tentative). In addition, partners are participating in outreach
events, conferences, industry events, H2020 Cluster meetings and submitting publications for peer reviewed journals
and industry magazines. They will communicate our project through

- IN-PREP URL address, LinkedIn and twitter handle
- Leaflets, flyers, information postcard and brochure
- Reference IN-PREP through research and technical publications, presentations

This initial outline will be fleshed out in a

- Communications programme for referenced and networked disaster risk management actors - Milestone 20 -
  mid-March 2019
- Media and Press Strategy - April 2019

June 2019 - Italy - Evacuation of cruise ship - TTX 2

Channel	Audience	Message	Partner responsible	KPI
Event	CP agencies First responders Trained volunteers Research & Technical Communities	*Evacuation of cruise ship TTX to test IN-PREP* prototype training platform *IN-PREP* Novel IT training platform for collaborative training and joint operational response *Description of Components of MRPP* to be tested and the difference it will make in joint training exercise	CNVVF event host ICCS project lead CARR comms lead SATWAYS tech lead FhG end user feedback	60 attendees exclusive of IN-PREP consortium
Targeted invitation/ emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Communities	*IN-PREP* Novel IT training platform for collaborative training and joint operational response *How* the platform will benefit EU Civil Protection Mechanism *Best* RRI and SSH research used in the Training platform. *The difference* + impact the platform will make in joint training exercises of the future	ICCS CNVVF CARR **All partners**	CP partners 10 each Technical & Research partners 5 each
Press	Communities of interest Wider public	*IN-PREP Training platform* will facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis	CARR CNVVF ICCS	1 piece of regional coverage 1 digital media
TV/Radio	Communities of interest Wider public	*IN-PREP Training platform* will facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis	CNVVF CARR ICCS	1 piece of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	*Best* RRI and SSH research used in the Training platform *IN-PREP* advances in State of the Art components *How* MRPP training platform will benefit EU Civil Protection Mechanism	**All partners** to inform +distribute leaflets	100 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest	*Connection* between IN-PREP training platform and EU Civil Protection Mechanism *Value* of collaborative response to disaster events and joint training	CARR **All partners**	30 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	*IN-PREP* training platform tested on TTX of evacuation of a cruise ship – registration, logistics + details *TTX information* e.g. what is a TTX, what will be tested in the exercise, who should attend	CARR ICCS CNVVF **All partners** to publicise on websites	Unique users increased by 50 in 8 weeks leading to TTX2

Table 4 – TTX2

October 2019 - Netherlands - Massive Flooding - TTX 3				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Event	CP agencies First responders Trained volunteers Research & Technical Communities	*Massive flood TTX to test IN-PREP* prototype training platform *IN-PREP* Novel IT training platform for collaborative training and joint operational response *Description of Components of MRPP* to be tested and the difference it will make in joint training exercise	VRIJ event host ICCS project lead CARR comms lead SATWAYS tech lead FhG enduser feedback	60 attendees exclusive of IN-PREP consortium
Targeted invitation/ emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Communities	*IN-PREP* Novel IT training platform for collaborative training and joint operational response *How* the platform will benefit EU Civil Protection Mechanism *Best* RRI and SSH research used in the Training platform. *The difference* + impact the platform will make in joint training exercises of the future	ICCS VRIJ CARR **All partners**	CP partners 10 each Technical & Research partners 5 each
Press	Communities of interest Wider public	*IN-PREP Training platform* will facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis	CARR VRIJ ICCS	1 piece of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	*IN-PREP Training platform* will facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis	VRIJ CARR ICCS	1 piece of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	*Best* RRI and SSH research used in the Training platform *IN-PREP* advances in State of the Art components *How* MRPP training platform will benefit EU Civil Protection Mechanism	**All partners** to inform relevant network +distribute leaflets	100 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest	*Connection* between IN-PREP training platform and EU Civil Protection Mechanism *Value* of collaborative response to disaster events and joint training	CARR **All partners** to support on their social media	30 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	*IN-PREP* training platform tested on TTX of massive flooding – registration, logistics + details *TTX information* e.g. what is a TTX, what will be tested in the exercise, who should attend	CARR ICCS VRIJ **All partners** to publicise on websites	Unique users increased by 50 within 8 weeks leading to TTX2

Table 5 - TTX 3

November 2019 - Northern Ireland U.K. - Terrorist attack + active shooter - Demonstration 1 (Demo)				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Event	CP agencies First responders Trained volunteers Research & Technical Communities	***Terrorist Attack + active shooter Demo to test IN-PREP*** *prototype training platform* ***IN-PREP*** *Novel IT training platform for collaborative training and joint operational response* ***Description of Components of MRPP*** *to be tested and the difference it will make in joint training exercise*	PSNI event host ICCS project lead CARR comms lead SATWAYS tech lead FhG enduser feedback	80 attendees exclusive of IN-PREP consortium
Targeted invitation/ emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Communities	***IN-PREP*** *Novel IT training platform for collaborative training and joint operational response* ***How*** *the platform will benefit EU Civil Protection Mechanism* ***Best*** *RRI and SSH research used in the Training platform.* ***The difference*** *+ impact the platform will make in joint training exercises of the future*	ICCS PSNI CARR **All partners**	CP partners 10 each Technical & Research partners 5 each
Press	Communities of interest Wider public	***IN-PREP Training platform*** *will facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis*	CARR PSNI ICCS	1 piece of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	***IN-PREP Training platform*** *will facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis*	PSNI CARR ICCS	1 piece of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	***Best*** *RRI and SSH research used in the Training platform* ***IN-PREP*** *advances in State of the Art components* ***How*** *MRPP training platform will benefit EU Civil Protection Mechanism*	**All partners** to inform relevant network +distribute leaflets	150 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest	***Connection*** *between IN-PREP training platform and EU Civil Protection Mechanism* ***Value*** *of collaborative response to disaster events and joint training*	CARR **All partners** to support on their social media	30 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	***IN-PREP*** *training platform tested on Demo of terrorist attack – registration (Eventbrite), logistics + details* ***TTX information*** *e.g. what is a TTX, what will be tested in the exercise,*	CARR ICCS PSNI **All partners** to publicise on websites	Unique users increased by 50 within 8 weeks leading to TTX2

Table 6 - Demo 1

February 2020 - Italy - Earthquake + Critical Infrastructure (CI) cascading events - Demonstration 2 (Demo)				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Event	CP agencies First responders Trained volunteers Research & Technical Communities	*Earthquake + CI cascading events Demo to test IN-PREP prototype training platform* *IN-PREP Novel IT training platform for collaborative training and joint operational response* *Description of Components of MRPP to be tested and the difference it will make in joint training exercise*	CNVVF event host ICCS project lead CARR comms lead SATWAYS tech lead FhG enduser feedback	80 attendees exclusive of IN-PREP consortium
Targeted invitation/ emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Communities	*IN-PREP Novel IT training platform for collaborative training and joint operational response* *How the platform will benefit EU Civil Protection Mechanism* *Best RRI and SSH research used in the Training platform.* *The difference + impact the platform will make in joint training exercises of the future*	ICCS CNVVF CARR **All partners**	CP partners 10 each Technical & Research partners 5 each
Press	Communities of interest Wider public	*IN-PREP Training platform will facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis*	CARR CNVVF ICCS	1 piece of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	*IN-PREP Training platform will facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis*	CNVVF CARR ICCS	1 piece of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	*Best RRI and SSH research used in the Training platform* *IN-PREP advances in State of the Art components* *How MRPP training platform will benefit EU Civil Protection Mechanism*	**All partners** to inform relevant network +distribute leaflets	100 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest	*Connection between IN-PREP training platform and EU Civil Protection Mechanism* *Value of collaborative response to disaster events and joint training*	CARR **All partners** to support on their social media	30 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	*IN-PREP training platform tested on Demo of earthquake + CI cascading events – registration (Eventbrite), logistics + details* *TTX information e.g. what is a TTX, what will be tested in the exercise, who should attend*	CARR ICCS CNVVF **All partners** to publicise on websites	Unique users increased by 60 within 8 weeks leading to TTX2

Table 7 - Demo 2

April 2020 - Rhodes Island Greece - Forest fire amidst refugee crisis - Final Demonstration 3 (Final Demo)				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Event	CP agencies First responders Trained volunteers Research & Technical Communities	***Forest fire + refugee crisis Final Demo to test IN-PREP** prototype training platform* ***IN-PREP** Novel IT training platform for collaborative training and joint operational response* * **Description of Components of MRPP** to be tested and the difference it will make in joint training exercise*	RHO event host ICCS project lead CARR comms lead SATWAYS tech lead FhG enduser feedback	80 attendees exclusive of IN-PREP consortium
Targeted invitation/ emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Communities	***IN-PREP** Novel IT training platform for collaborative training and joint operational response* ***How** the platform will benefit EU Civil Protection Mechanism* ***Best** RRI and SSH research used in the Training platform.* ***The difference** + impact the platform will make in joint training exercises of the future*	ICCS RHO CARR **All partners**	CP partners 15 each Technical & Research partners 5 each
Press	Communities of interest Wider public	* **IN-PREP Training platform** will facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis*	CARR RHO ICCS	2 pieces of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	* **IN-PREP Training platform** will facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis*	RHO CARR ICCS	2 pieces of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	***Best** RRI and SSH research used in the Training platform* ***IN-PREP** advances in State of the Art components* ***How** MRPP training platform will benefit EU Civil Protection Mechanism*	**All partners** to inform relevant network +distribute leaflets	200 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest	***Connection** between IN-PREP training platform and EU Civil Protection Mechanism* * **Value** of collaborative response to disaster events and joint training*	CARR **All partners** to support on their social media	50 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	* **IN-PREP** training platform tested on Final Demo of Forest fire and refugee crisis – registration (Eventbrite), logistics + details* ***TTX information** e.g. what is a TTX, what will be tested in the exercise, who should attend*	CARR ICCS RHO **All partners** to publicise on websites	Unique users increased by 100 within 8 weeks leading to TTX2

Table 8 - Final Demo

2020 (tbc)- Real or Virtual (tbc) - International Workshop - Launch of IN-PREP Training Platform				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Event	CP agencies First responders Trained volunteers Policy influencers Organisations like CEU, ERCC, ECHO and CoU Industry + SME	*IN-PREP Novel IT training platform for collaborative and joint operational training for response* ***Applying IN-PREP Results of exercises +demos into joint training exercise*** ***Description of Components of MRPP** to be tested and the difference it will make in joint training exercise*	CNVVF joint orgniser ICCS joint organiser CARR comms lead SATWAYS tech lead FhG CPLAN	100 attendees exclusive of IN-PREP consortium
Targeted emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Industry SME Research & Technical Comm.	*IN-PREP Novel IT training platform for collaborative training and joint operational response* ***How** the platform will benefit EU Civil Protection Mechanism* ***Best** RRI and SSH research used in the Training platform.* ***The difference** + impact the platform will make in joint training exercises of the future*	ICCS, CNVVF + CPLAN CARR **All partners** to inform relevant network	CP partners 15 each Technical & Research partners 5 each
Press	Communities of interest Wider public	*IN-PREP Workshop - Training platform to facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis*	CARR, ICCS, CNVVF, CPLAN	2 pieces of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	***IN-PREP Workshop - Training platform** to facilitate better prepared responders and improve joint operations which will lead to more lives saved during real crisis*	CARR, ICCS, CNVVF, CPLAN	2 pieces of TV/radio coverage
Face-to-face	CP agencies Research & Technical Communities	*How MRPP training platform will benefit joint operational training* *Best RRI and SSH research used in the Training platform* *IN-PREP advances in State of the Art components*	**All partners** to inform relevant network +distribute leaflets	200 leaflets distributed
Social media	CP agencies H2020 Cluster projects Communities of interest Wide audience	***Connection** between IN-PREP training platform and EU Civil Protection Mechanism* ***Value** of collaborative response to disaster events and joint training*	CARR **All partners** to support on their social media	70 new followers on Twitter, LinkedIn
Website info	CP agencies Industry SME	***IN-PREP workshop** on training platform showcase and training induction– registration (Eventbrite), logistics + details* ***IN-PREP International Workshop -What you will learn***	CARR ICCS **All partners** to publicise on websites	Unique users increased by 100 within 8 weeks leading to TTX2

Table 9 - International Workshop

2020 (tbc) - real or virtual (tbc) - Launch of Crisis Management Handbook (6 languages - Dutch, English, French, German, Greek, Italian)				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Launch Event	CP agencies First responders Trained volunteers Policy influencers Organisations like CEU, ERCC, ECHO and CoU	**IN-PREP Crisis Management Handbook** - best research in cross organisational crisis response, joint operational training, transboundary crisis **Guide for using MRPP** novel IT training platform for collaborative and joint operational training for response **Checklist** for joint operational training and crisis response **Downloadable** on IN-PREP website in 6 languages	FhG joint organiser CPLAN joint organiser ICCS project lead CARR comms lead	100 recipients exclusive of IN-PREP consortium
Publications Peer reviewed Industry mag	Research & Technical Comm CP agencies Industry & SME	**IN-PREP primary research** from literature reviews and interviews **IN-PREP Crisis Management Handbook** - best research in cross organisational crisis response, joint operational training, transboundary crisis	All Research & Tech partners All CP partners	
Targeted emails	CP agencies Policy influencers Organisations like CEU, ERCC, ECHO and CoU Research & Technical Comm.	**IN-PREP Crisis Management Handbook** - best research in cross organisational crisis response, joint operational training, transboundary crisis **Guide for using MRPP** novel IT training platform for collaborative and joint operational training for response **Checklist** for joint operational training and crisis response	ICCS, FhG + CPLAN CARR **All partners** to inform relevant network	CP partners 15 each Technical & Research partners 5 each
Press	Communities of interest Wider public	**IN-PREP Crisis Management Handbook** – providing knowledge for better prepared responders **IN-PREP Crisis Management Handbook** to improve joint operations which will lead to more lives saved during real crisis	CARR, ICCS, FhG, CPLAN	2 pieces of regional coverage 1 digital media
TV/radio	Communities of interest Wider public	**IN-PREP Crisis Management Handbook** – providing knowledge for better prepared responders **IN-PREP Crisis Management Handbook** to improve joint operations which will lead to more lives saved during real crisis	CARR, ICCS, FhG , CPLAN	2 pieces of TV/radio coverage
Face-to-face	CP agencies Research & Technical Comm	**How** MRPP training platform will benefit joint operational training **Best** RRI and SSH research used in the Training platform	**All partners** inform relevant network; hand out leaflets	Send launch postcard (digital/print) to 10 network recipients
Social media	CP agencies H2020 Cluster projects	**First ever IN-PREP Crisis Management Handbook** for cross organisation collaborative response to disaster events and joint training	CARR **All partners** to support on their social media	10 new followers on Twitter, LinkedIn
Website info	CP agencies First responders Trained volunteers Policy influencers Organisations like CEU, ERCC, ECHO and CoU	**First ever IN-PREP Crisis Management Handbook** for cross organisation collaborative response to disaster events and joint training Downloadable on the website in 6 languages	CARR, ICCS, FhG, CPLAN **All partners** to publicise on websites	Unique users increased by 100, 8 weeks after launch

Table 10 - Crisis Management Handbook

2020 date (tbc) - White Paper				
Channel	**Audience**	**Message**	**Partner responsible**	**KPI**
Issue white paper	Policy influencers/makers Organisations like CEU, ERCC, ECHO and CoU Industry + SME CP agencies	*IN-PREP Novel IT training platform for collaborative response to address key gaps in current joint operational training for transboundary crises* **Description of Components of MRPP** *that will make joint training exercise realistic and cost effective* **How** *the platform will benefit EU Civil Protection Mechanism*	ICCS FhG CPLAN CARR	2-5 recipients (high level) external to IN-PREP
Targeted emails	Policy influencers/makers Organisations like CEU, ERCC, ECHO and CoU CP agencies Industry	*IN-PREP Novel IT training platform for collaborative response to address key gaps in current joint operational training for transboundary crises* **How** *the platform will benefit EU Civil Protection Mechanism* **The difference** *+ impact the platform will make in joint training exercises of the future*	ICCS, CNVVF + CPLAN CARR **All partners** to inform relevant network	Send postcard on white paper to 5 people in network
Press	Policy influencers/ makers Communities of interest	**White paper from IN-PREP project** *to facilitate better prepared responders and improve joint operations during response which will lead to more lives saved during real crisis*	CARR, ICCS, CNVVF, CPLAN	1 piece of coverage
Face-to-face	Policy influencers/ makers Communities of interest CP agencies	**Connection** *between IN-PREP training platform, EU Civil Protection Mechanism and white paper*	**All partners** to inform relevant policy networks	Give postcard on white paper to 5 people in network
Social media	Policy influencers/makers CP agencies	**Connection** *between IN-PREP training platform, EU Civil Protection Mechanism and white paper* **Value** *of collaborative response to disaster events and joint training and relationship to white paper*	CARR **All partners** to support on their social media	10 new followers on Twitter, LinkedIn
Website info	Policy influencers/makers CP agencies Communities of Interest	**Connection** *between IN-PREP training platform, EU Civil Protection Mechanism and white paper* **Value** *of collaborative response to disaster events and joint training and relationship to white paper*	CARR ICCS **All partners** to publicise on websites	Unique users increased by 20, 8 weeks after white paper is issued

Table 11 - White paper

4 Conclusion

This deliverable provides examples of the IN-PREP brand, content, function and visual language of the information pack produced for IN-PREP partners. The set of resources will be uploaded onto the shared work space - Redmine in M18 (February 2019) (hyperlink) and will form part of the communication programme of partners. The sample of pdfs can be viewed in the downloadable section of the website. Section 3 provides an outline communications programme for the next 9 events organised by IN-PREP - TTXs and demos to test the prototype and showcase the research and technical innovation in the MRPP, Crisis Management Handbook, International Workshop , Training programme and White paper. Partners are also focused on attending external events and submitting publications to add to the overall communication of what's new about the IN-PREP project. Details of partner attendance at events and publications can be found on our dissemination list https://redmine.iccs.gr/projects/in-prep/dmsf?folder_id=4409

5   References

[1] https://www.cloudwatchhub.eu/exploitation/brief-refresher-technology-readiness-levels-trl

Accessed 25.08.2018

Annex 1 Communication strategy grid and innovation of IN-PREP products & services

Specific messages related to the breakthroughs in State of the Art components of the MRPP, Crisis Management Handbook and Training Programme were proposed by partners in the Communication Strategy Grid (IN-PREP D8.2 p15) in month 5. These shall be updated and adapted for communication of the innovation of the three products.

Field or sub-discipline	A Human Factors in C&C rooms	B Situational Awareness [SA]	C Optimal Resource Allocation	D Forecasting
Existing situation	Lack of research on Human impact in C&C rooms. Human factors is one of the top 3 causes for disruption in Critical Infrastructure (CI).	Little capacity to make sense of *'Multiple Threats'* across policy or national domains. Difficulty in joint sense-making.	Resource allocation relies on references of previous occurrences (historical data).	Scenario forecasting and assessment are objectively limited and can be improved.
SoA Break-through	Identification & Recommendations for considering human factors in C&C rooms. Bringing best practice from C2 for use in CI into IN-PREP using C2 for disaster management.	Decision Support System (DSS) coupled with MRPP to extend SA Capabilities for *'Multiple Threats'* (CIRP, Touchstone etc.) will enhance this process.	Evidence based scenario *'now-casting'* information fed into the Decision Support System work flow engine in real time.	IN-PREP will build on SoA technologies to deliver Dynamic forecasting models.
Audiences	**1, 2, 3, 4, 5, 6, 7, 8, 9**	**1, 2, 3, 4, 5, 6, 7, 8, 9**	**1, 2, 7, 9**	**1, 2, 3, 5, 6, 10, 4**
Messages	**IN-PREP develops recommendations how to reduce human errors in C&C rooms by considering human factors in system development.**	**IN-PREP will develop, implement and demonstrate the MRPP; A novel system based on the interaction between the operational systems that provide an accurate and customizable situation awareness with a powerful training capability based on realistic multi-level simulation and relevant decision support modules.**	**IN-PREP will increase the overall efficiency of the response mechanism through scenario 'now casting' into Decision Support System in real time.**	**Thanks to its enabling technologies, IN-PREP will provide users with ever-changing pictures of the expected disaster scenarios.**
Channels	Events – conferences End user workshops Face-face Launch of MRPP Meetings Newsletter Publications - journal papers Social media Website info TTX +Demos	Events – conferences End-user workshops Face-face Handbook launch Meetings Newsletter Publications - journal papers + Industry magazines Social media -Twitter TTX +Demos Targeted invitations + emails Website info	Publications - Journal papers Targeted invitations + emails	Demos End user workshops Launch of MRPP Social media Targeted invitations
Vision	*To save more lives during crises through better prepared responders*			

Table 12 - Part 1 of 4- Communication Strategy Grid, messages highlighted in blue

1 Civil protection agencies	**4** Communities living in areas affected by disasters	**7** Research and Technical Communities
2 First responders	**5** Policy influencers/makers	**8** Industry
3 Trained volunteers	**6** organisations like CEU, CERCC, ECHO + CoU	**9** SMEs

Field or sub-discipline	10 Wide audience			
	E Decision Support System	F Global Scenario Building	G Near Real Time	H Rapid Remote Sensing
Existing situation	DSS assessment relies on individuals' expertise.	There is no end- to-end crisis management tool. Current tools specialise in specific crisis types or crisis management activities (only logistics, only risks, only planning).	No unified set of services exists. When assessing damage and related needs for natural and manmade disasters several approaches can be found with respect to assessment time and accuracy of information.	Difficult to deploy unmanned aircraft in European disaster management context. Safety concerns may hinder manned aviation for sensing (dangerous gases, radioactivity). Satellite imagery alone does not allow for change detection in smaller time frames. Also, current satellite program takes up to 2 days.
SoA Break-through	IN-PREP system connects multiple sources and parameters to validate real time outputs accurately.	IN-PREP system will produce end –to-end scenarios on multiple levels.	Exploitation of various assessment tools towards improving the assessment process through time and accuracy. IN-PREP provides recommendations towards a unified assessment process as a function of time. Accurate information from relevant reports are utilised and delivered to CP users.	Integration of airborne data will offer rapid surveillance capabilities and quick access to information of the scenario. Airborne imagery gives input to a common operational picture. Mission (re)-planning during flight execution is possible in real time.
Audiences	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6	1, 2, 7, 8
Messages	IN-PREP facilitates accuracy by connecting multiple sources to validate real time outputs.	IN-PREP defines end-to-end preparedness scenarios from planning to the field. The system will handle large sets of parameters + transform 'what if' to 'what is' scenarios. Impacts on multiple levels (operational, procedural, logistics and technical) will be measurable.	IN-PREP innovates by exploiting the results of various assessment means (remote sensing, simulators, modelling tools) for various causes of crises. The aim is to unify the basics of the assessment procedure that enhances situational awareness and guides effective response planning.	The IN-PREP system will integrate imagery from different services to enable rescuers and first responders to have better situational awareness and respond efficiently in a coordinated way. Airborne data is collected, displayed in near-real time, and enhanced with satellite imagery and map products accessed through available satellite programs.
Channels	End-user workshops Face-face Newsletter Meetings Social media -Twitter + LinkedIn Targeted invitations + emails Website info	End-user workshops Face-face Newsletter Meetings Social media -Twitter + LinkedIn Targeted invitations + emails Website info	End user workshops Events - Conferences Face to face events Handbook Launch Launch of the MRPP Newsletter Meetings Publications -Journal papers + Industry magazines Social media TTX + Demos Targeted invitations /emails Website info	Events - Conferences Launch of the MRPP Newsletter TTX + Demos Targeted invitations /emails Website info Partners' websites and reports
Vision	To save more lives during crises through better prepared responders			

Table 13 - Part 2 of 4 - Communication Strategy Grid, messages highlighted in blue

Field / sub-discipline	I Evacuation	J C3 system coordination of C&C	K Catastrophe modelling	L Training tool for entire chain of command - strategic / tactical
Existing situation	Current evacuation simulation models are limits in their ability to run large scale evacuation simulations at real time while taking into account live events or coupling with C2 systems.	There are no coordination systems facilitating real time transboundary crisis management operations. Very few standards exist, even for messages.	*'What if?'* catastrophe modelling scenarios not used in training platforms.	No training system dedicated for transboundary crises management.
SoA Break-through	The large scale evacuation simulation will read terrain information and use this information to allow evacuating agents to utilise appropriate movement rates + behaviours during the evacuation process.	Create the first transboundary crisis coordination system that can be used in real time by a wide variety of actors (each using their own command and control practices).	Different catastrophe models incorporated into the MRPP platform (wildfire, earthquake, terrorism) to help imagine and define unprecedented events and understand potential damage and loss.	MRPP planning + training. The MRPP uses different layers + DSS which will be part of the training tool used for the entire chain of command. The software platform enhances cross agency and transboundary preparedness for strategic and tactical training.
Audiences	1, 2, 7, 8	1, 2, 5, 6, 8, 9	1, 2, 5, 6, 7	1, 2, 5, 6
Messages	**The integration of the MRPP with the evacuation simulation layer will provide scenario specific predictions on peoples' movement and behaviour offering unique benefits and insights to incident commanders for training purposes and incident management.**	**IN-PREP will create the first transboundary crisis coordination system that can be used in real time by a wide variety of actors (each using their own command and control practices). This will be possible through the development of the strategic/operative planning capabilities of the C3 (multi-agency collaborative planning module) with a loose integration of the various legacy C2s + Information systems.**	**The MRPP will define the extent of hazards of 'what if' scenarios as well as the resulting damage to the built environment.**	**The IN-PREP system will provide a new planning + training tool enabling all actors to collectively create plans and train against them for transboundary crises. The system connects to operational field response equipment promoting the use of CP agencies standard tools and reduces the ratio of trainers to trainees, reducing the cost of large scale exercises.**
Channels	TTX + Demos End user workshops Conferences Publications -Journal papers University courses Face to face Events Meetings Social media Website	End user workshops Events - Conferences Face to face events Handbook Launch Launch of the MRPP Newsletter Meetings Publications -Journal papers + Industry magazines Social media - LinkedIn TTX + Demos Targeted invitations /emails Website info	Face to face events Meetings Events – Conferences Targeted invitations /emails Publications – Journal papers Website info End user workshops Launch of the MRPP Social media – Twitter + LinkedIn Publications - Industry magazines	Events - Conferences Face to face events End user workshops Launch of the MRPP TTX + Demos Targeted invitations /emails Website info
Vision	To save more lives during crises through better prepared responders			

Table 14 - Part 3 of 4 - Communication Strategy Grid, messages highlighted in blue

Field / sub-discipline	M Interoperability	N Dynamic Planning	O Handbook
Existing situation	Lack of interoperability between preparedness and response tools used by agencies and countries.	No dynamic, collaborative planning tool exists for preparing for transboundary crises.	No uniform procedures or checklist for transboundary response to complex crises.
SoA Break-through	MRPP will use Data Distribution Service for Real time (large) Systems framework enabling accessible, scalable, real time, high performance + data exchanges between first responders & deployed forces, coordination centres (local & central), various sensing devices and actuators that use proprietary protocols +legacy information systems.	IN-PREP system can be used as a collaborative planning tool for transboundary crises.	Handbook of Crisis Management that can be used by different stakeholders across agencies and borders in the area of crisis management in the context of transboundary crises. It will enhance the collaborative preparedness at transboundary level.
Audiences	**1, 2, 7, 8, 9**	**1, 2, 3, 4, 5, 6, 7, 8, 9**	**1, 2, 5, 6, 7, 8, 9**
Messages	**IN-PREP will define an architecture for sending and receiving voice, video, data, events and commands among different kinds of preparedness and response tools (information systems, C&C centres, situational awareness systems).**	**IN-PREP system can be used as a collaborative planning system at European level – multi-agency, multi-national (instead of peer-peer).**	**IN-PREP Crisis Management Handbook is cross organisational and will explain how collaboration can be enhanced at the transboundary level.**
Channels	End user workshops Events - Conferences Face to face events Handbook Launch Launch of the MRPP Newsletter Meetings Publications -Journal papers + Industry magazines Social media - LinkedIn TTX + Demos Targeted invitations /emails Website info	End-user workshops Face-face Newsletter Meetings Social media -Twitter + LinkedIn Targeted invitations + emails Website info	Events – conferences End user workshops Face-face Launch of MRPP Meetings Newsletter Publications - journal papers + Industry magazines Social media Website info TTX +Demos
Vision	*To save more lives during crises through better prepared responders*		

Table 15 - Part 4 of 4 - Communication Strategy Grid, messages highlighted in blue

1 Civil protection agencies	**4** Communities living in areas affected by disasters	**7** Research and Technical Communities
2 First responders	**5** Policy influencers/makers	**8** Industry
3 Trained volunteers	**6** organisations like CEU, CERCC, ECHO + CoU	**9** SMEs
		10 Wide audience

Annex 2 – TRL levels

0 IDEA
Unproven concept, no testing has been performed

1 BASIC RESEARCH
You can now describe the need(s) but have no evidence

2 TECHNOLOGY FORMULATION
Concept and application have been formulated

3 NEEDS VALIDATION
You have an initial 'offering'; stakeholders like your slideware

IDEA (0-3)

4 SMALL SCALE PROTOTYPE
Built in a laboratory environment ("ugly" prototype)

5 LARGE SCALE PROTOTYPE
Tested in intended environmentt

PROTOTYPE (4-5)

6 PROTOTYPE SYSTEM
Tested in intended environment close to expected performance

7 DEMONSTRATION SYSTEM
Operating in operational environment at pre-commercial scale

VALIDATION (6-7)

8 FIRST OF A KIND COMMERCIAL SYSTEM
All technical processes and systems to support commercial activity in ready state

9 FULL COMMERCIAL APPLICATION
Technology on 'general availability' for all consumers

PRODUCTION (8-9)

Technology Readiness Levels as adapted by the CloudWATCH2 project

https://www.cloudwatchhub.eu/exploitation/brief-refresher-technology-readiness-levels-trl