



740575	FIRE-IN	D4.4 Annual report on interaction with practitioners and existing networks and dissemination conference #3
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Project Deliverable

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Instrument: COORDINATION AND SUPPORT ACTION	Thematic Priority H2020 SECURITY
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Title D4.4 Annual report on interaction with practitioners and existing networks and dissemination conference #3

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PU	Public	X
PP	Restricted to other programme participants (including the Commission)	
RE	Restricted to a group defined by the consortium (including the Commission)	
CO	Confidential, only for members of the consortium (including the Commission)	





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FIRE-IN

D4.4 Annual report on interaction with practitioners and existing networks and dissemination conference #3

Abstract:

This document reports how FIRE-IN has engaged with practitioners during the third year of the project. Three major actions are described here: 1/ the leadership of FIRE-IN to engage with other networks in Europe; 2/ the rising engagement of practitioners linked with the platform uptake; 3/ the mitigations measures associated with COVID19 crisis.

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Executive Summary

The FIRE-IN project is an initiative funded by the European Commission and initiated on the 1st of May 2017. FIRE-IN has been designed to raise the security level of EU citizens by improving the national and European Fire & Rescue (F&R) capability development process. FIRE-IN addresses the concern that capability-driven research and innovation in this area needs much stronger guidance from practitioners and better exploitation of the technology potentially available for the discipline.

The purpose of this report is to inform how FIRE-IN has engaged with practitioners during the third year of the project: number and profile of practitioners reached, type of interactions etc. It also describes the interactions between FIRE-IN and other existing networks in civil protection. Finally, this report details how FIRE-IN has addressed the COVID19 crisis in providing shared best practices, and the strategy developed to keep in touch with the community during this period.

Table 1. FIRE-IN partners

Participant No.	Participant organisation name	Part. short name	Country
1	Pôle de compétitivité SAFE CLUSTER (ex Pôle Pégase)	SAFE	France
2	Ecole Nationale Supérieure des Officiers de Sapeurs-Pompiers – French National Fire Fighter Officers Academy	ENSOSP	France
3	Italian Ministry of Interior, Department of Fire Corps	CNVVF	Italy
4	Bundesanstalt Technisches Hilfswerk	THW	Germany
5	Global Fire Monitoring Center	GFMC	Germany
6	INERIS Development	INEDEV	France
7	Fraunhofer INT	FhG-INT	Germany
8	Fire Ecology and Management Foundation Pau Costa Alcubierre	PCF	Spain
9	Catalonia Fire Service Rescue Agency	CFS	Spain
10	Scientific and Research Centre for Fire Protection	CNBOP	Poland
11	The Main School of Fire Services	SGSP	Poland
12	Council of Baltic Sea States Secretariat	CBSS	Sweden
14	Center for Security Studies	KEMEA	Greece
15	Czech Association of Fire Officers	CAFO	Czech Republic
16	inno TSD	inno	France





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1. Introduction

Interacting with practitioners and networks is one of the key pillars of FIRE-IN project.

To identify fire and rescue capability gaps (Work Package 1), on one hand, it is necessary to have all the European end-users community involved in the process.

On the other hand, the project intends to disseminate research results and solutions identified in Work Package 2 to boost the access to the state of the art. The targeted audience has to be as wide as possible.

Therefore Work Package 4 is supporting the key task of interacting and engaging practitioners.

The deliverable 04.07, submitted 29th September 2017, described Initial Dissemination and Communication Strategy and Plan. It mentioned the general strategy planned to reach the fire and rescue community across Europe.

The project duration is five years and interactions with practitioners and existing networks will be reported every year; due dates are month 12, 25, 37, 48 and 60. The present document reports what has been achieved during the third year of the project.

The workshops organised in FIRE-IN are key opportunities for interactions as we eventually bring together tens of practitioners.

There are three cycles of workshops planned in the 5 years' project life time. The first one happened at the beginning of 2018, the second one at the beginning of 2019 and the third one is planned during next winter (dates to be confirmed in regard the COVID19 crisis evolution).

Therefore there was no workshop organised during the period reported here.

However, that respite has opened windows for partners to increase their interactions with other networks, as described in part two of this report.

In the third part, we detail the uptake of the web platform. This last part includes also how FIRE-IN project has addressed the COVID19 crisis.

2. Interaction with existing networks

2.1. The common initiative for *Interschutz*

More than one year ago, FIRE-IN initiated the idea of organising a common dissemination event with other EU networks of Fire and Rescue practitioners in Europe. We chose the opportunity of Interschutz fair event, initially planned in June 2020 to organize this common event. The rationale behind that choice is that Interschutz, which is run every four years in Germany, brings together hundreds of thousands practitioners.

As soon as we launched the idea, four H2020 projects, all parts of the 'projects of networks' EU community, gave a positive feedback:

- ENOTICE, EU network of CBRNE training centers
- DARENET, A Practitioner Network to Strengthen Flood Resilience in the Danube Region
- NOFEAR, Network Of practitioners For Emergency medicAl systems and cRitical care





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- MEDEA, The Mediterranean & Black Sea Security Practitioners' Network

The plan we developed then was to run a one-day conference on 18th June 2020, bringing together our respective networks, i.e. project partners and associated experts.

FIRE-IN took the lead in coordination meetings (10 during one year) involving SAFE, ENSOSP, CBSS and the coordinators of the four other projects.

Early March 2020, the situation was as follow:

Agenda completed with five keynote speakers to debrief major disasters in Europe in the last years, and parallel sessions to be organised in the afternoon; see table below.

Draft agenda – 9.30am – 6.00 mp

Room	Time	Topic	Responsible Partner
Plenary	09.30 – 09.50	Welcome + introduction	
	9.50-10.15	Expert 1: real case 15 min + 10 min QA	
	10.15 – 10.40	Expert 2: real case 15 min + 10 min QA	
	10.40 – 11.10	Coffee break	
	11.10-11.35	Expert 3: real case 15 min + 10 min QA	
	11.35 – 12.00	Expert 4: real case 15 min + 10 min QA	
	12.00 -12.25	Expert 5: real case 15 min + 10 min QA	
	12.25-12.30	End of session + explanation about the afternoon sessions	
	12.30-13.50	Lunch break – Buffet Networking	
plenary + small rooms	14.00-15.30	Parallel sessions plenary + small rooms General frame: (with no common methodology) Discussion with pre-determined questions / collect inputs from all participants / + few common questions relevant for every network Audience: FF, providers; partners	
Plenary	15.30 – 16.00	Coffee break	
plenary + small rooms	16.00 -17.00	Parallel sessions plenary + small rooms General frame: (with no common methodology) Discussion with pre-determined questions / collect inputs from all participants / + few common questions relevant for every network Audience: FF, providers	
Plenary	17.00 – 17.50	Common wrap-up: Presentation of the results by each group facilitator/moderator 10 min/topic +	
	17.50-18.00	QA + closure	

Logistics; everything was fixed.

- ✓ The main Conference room + separate rooms were booked.
- ✓ Catering and coffee were under finalisation with the service provider.
- ✓ Partners had booked for accommodation and some already booked their flights.

Obviously, the COVID crisis, which stroke Europe mid-March, totally changed the game.





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Some days after most countries applied lockdown measures, Deutsche Messe announced that Interschutz event was postponed in 2021.

In coordination with eNotice, DareNet, Medea and NoFear, we immediately took two decisions:

1. To keep the momentum, we would organize a common webinar on the 18th June 2020;
2. We would jointly postpone our participation in Interschutz to 2021.

2.2. Turning Interschutz 2020 participation into webinar

By the time this deliverable is produced, we still have regular coordination meetings to finalise the webinar organisation.

Because COVID19-induced lockdown measures result in multiplication of teleconferences and therefore screen fatigue, we decided to keep that webinar within 2 hours and to focus on a specific subject, cross-cutting to all our projects: “Just-In-Time training”. The context is detailed below.

Announcement for the webinar:

Just-in-time training
A webinar on best practices and methodologies in the medical, flood response and CBRN fields

Tuesday, 18 June 2020
10:00 a.m. CEST

More information and access to the webinar at www.practitionernetworks.eu

These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 740750 (DAREnet), No 742521 (eNOTICE), No 1010176 (FIRE-IN), No 767111 (NO-FEAR), No 768670 (MEDEA)

Draft press release:

Five EU-funded security networks of practitioners – DAREnet, FIRE-IN, NO-FEAR, eNOTICE and MEDEA – will organise a live webinar on the topic of just-in-time training applied to their domains on Thursday, June 18th 2020, from 10am to 12pm CET.

In the medical, civil protection and security fields, just-in-time training is delivered to practitioners to allow for the rapid acquisition of specific skills or knowledge when the need arises. Drawing from the experience of the COVID-19 pandemic, which resulted in the demand for immediate training of medical staff and other first responders in different aspects of infectious disease management, the webinar will expand on the current and potential applications of this concept response organisations with best practices and methodologies from three speakers with different backgrounds.





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Luca Ragazzoni, scientific coordinator at the Research Center in Emergency and Disaster Medicine (CRIMEDIM) of the Università del Piemonte Orientale, will present a concrete example of just-in-time training at a tertiary referral hospital in northern Italy in light of the COVID-19 outbreak. Zsolt Kelemen, vice president of the Hungarian Firefighters' Association and president of the Budapest Firefighters' Association, will provide an overview of the learnings that resulted from the training of volunteers during the floods that struck the Danube region in 2013 and how these have been applied to subsequent emergencies mobilising volunteers. Finally, Police Inspector Elizabeth Benson, head of Performance Development at West Midlands Police (the UK's national CBRN centre), will address the pivotal question of online learning as an alternative to face-to-face training during crises that require sustained response from responders.

Participation is free and open to practitioners, researchers and other interested professionals from different disciplines. Each presentation will be followed by an exchange with participants. A position paper summarizing key outputs of the webinar – particularly identified challenges and best practices – will be published after the event.

Practical information

- **Date and time:** June 18th, 10am-12pm
- **Registration (mandatory):** Please complete through [this link](#)
- **Access:** The webinar will be hosted on GoToWebinar; an access link will be provided to registered participants by e-mail after registration.
- **Contact for general questions or technical difficulties:** Mathilde MEYER (Mathilde.MEYER@ensosp.fr)

2.3. Other EU networking interactions

2.3.1. Community of Users on Secure, Safe and Resilient Societies, Brussels

"Community of Users on Secure, Safe and Resilient Societies" (CoU) has been launched in January 2014 under the umbrella of DG Home and has since developed to become an effective platform of exchanges among different actors of different branches of security and crisis management. SAFE Cluster represented FIRE-IN during the 16-18/09/2019 CoU meeting in Brussel.

In addition, FIRE-IN Project officer, Max Brandt, took advantage of the project review in Brussels, 11/12/2019, to arrange round table discussion between FIRE-IN project coordinator and several policy officers from DG Echo, DG Home and DG RTD.

2.3.2. Other European projects

FIRE-IN partners are involved in several H2020 European projects, INTERREG projects or DG ECHO funded projects.

They interact with networks through these projects and disseminate FIRE-IN activities during workshops or other events.

The table below presents the ongoing European projects recognised as relevant in the Fire and Rescue area. One or several of the FIRE-IN partners are also partners in most of these projects. Whereas they are not, the project consortium have invited FIRE-IN partners to attend events and present FIRE-IN.

Reports of some of these participations are in Appendix 1-6.





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FIRE-IN interactions with European projects and initiatives (June 2019-May 2020 period)

acronym	project focus	FIRE-IN Partners involved or present in project events	Date of event with FIRE-IN partner participation	input/ results
DAREnet	Danube River resilience	THW		Regular exchanges and updates
DRIVER+	DRiving InnoVation in crisis management for European Resilience	CNBOP CNVVF SAFE THW ENSOSP KEMEA	16-18/10/2019 26-28/11/2019 19-20/02/2020	Workshop in Brussels Final Demo in Varsaw (Poland) Cf. Appendix 5 & Appendix 6 Final conference: Presentation of the e-platform to european solutions providers (Appendix 2)
EASeR	Enhancing Assessment in Search and Rescue	CNBOP	11 Dec 2019	Participation in Final Conference (cf. Appendix 6)
ENCIRCLE	European CBRN innovation for the market cluster	INEDEV SAFE ENSOSP CAFO CNBOP		Several emails, interviews and contributions to feed the catalogue
eNOTICE	European Network Of CBRN Training Centers	SAFE CAFO ENSOSP CBSS	22-24 May 2019	Cf. Appendix 1 Participation in a field exercise
Forest fires in the Alps	Forest fires in the Alps	SAFE	27-28/06/2019	Workshop in Vienna (Austria) to write a report for policy makers
GEOSAFE	Geospatial based Environment for Optimisation Systems Addressing Fire Emergencies	PCF CNVVF	18 Feb 2020	Workshop at Greenwich University (UK) cf. Appendix 5
HEIMDALL	Multi-Hazard Cooperative Management Tool for Data Exchange, Response Planning and Scenario Building	PCF CFS	22 May 2019	Integration of FIRE-IN results during the project workshop (cf. Appendix 4)
HOPICAMP	Field hospitals	CAFO	16-18 May 2019	Cf. Appendix 1





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					Participation in a field exercise
Hub project (DG Echo)	Building a hub for natural disasters preparedness and management	Fraunhofer; GFMC SAFE	May 2019 25-26/06/2019 Oct 2019		Workshop in Valabre (France) Workshop in Rotterdam Cf Appendix 3
MEDEA	Mediterranean network of practitioners	KEMEA THW			Regular exchanges and updates
MSE	Mediterranean Security Event	THW FhG KEMEA	28/10 – 1/11 2019		Conference in Heraklion, Greece. FIRE-IN co-chaired a round table Appendix 2
NOFEAR	Network Of practitioners For Emergency medical systems and cRitical care	ENSOSP	15-17/01/2020		To initiate a discussion around “hospital security” in the current reality of security related incidents, with the objective of identifying key issues that require further
PLACARD	PLAtform for Climate Adaptation and Risk reDuction	SAFE	12/05/2020		Online final event
SAF€RA	COORDINATION OF EUROPEAN RESEARCH ON INDUSTRIAL SAFETY TOWARDS SMART AND SUSTAINABLE GROWTH	INEDEV	25/06/2020		Presentation of FIRE-IN during the annual meeting in Helsinki (Finland)
SMIGs-2020	Round table of practitionners network	ENSOSP	29-30/01/2020		Brokerage event in Brussels
SOCLIMPACT	Downscaling climate impact in EU islands	SAFE	2/07/2019		Meeting with Ramboll partner to exchange data
stair4security	Network of security practitioners to raise standardization in EU	SAFE CNBOP INEDEV	24/04/2020 May 2020		Online kick-off meeting Face-to-face meetings to build interactions between projects
SURE	Increasing resilience of forest to wildfires	SAFE PCF	20-22/11/2019		Workshop organized in conjunction with the UK Wildfire conference in Cardiff (Wales)
TAFF	Development of operational strategies and guidance on Tackling consequences of extreme rainfalls and Flash Floods	THW	2-3/12/2019		Presentation of the project and exchange of expertise
TERRIFFIC	Accelerated CBRNE response	CAFO	16-18 May 2019		Common field exercise





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2.3.3. FEU

The European Union Fire Officers Associations (FEU) is a leader in the field of Fire Brigades and fire safety in Europe. The principal aim of The Federation of the European Union Fire Officers Associations (FEU) is to enhance fire safety and provide expertise to European bodies in matters concerning the development of fire brigades and fire safety in Europe and especially in respect of organisation and management, structure; technical skills, training and fire engineering so as to gain the most effective, efficient and economic means for mitigating the loss and damage to life, property and national economies by fire, other emergencies (including catastrophic national disasters) and all related environmental issues. The FEU currently covers national associations from 20 European countries. Every year, two meetings are held where, among other things, new findings from the field of fire protection and fire service organization, results of projects and others are presented.



The Fire - in project and its partial results were presented at meetings:

- May 16-18, 2019 in Porto, where representatives from 21 EU countries participated
- November 14-15, 2019 in Copenhagen (Denmark), attended by representatives from 18 EU countries

The project website was presented to the participants, which were also invited to register as Associated Experts. Six national delegates of FEU are registered as Associated experts.

2.3.4. CTIF

13-14 November 2019

Meeting of the CTIF Forest Fires Commission of the International Association of Fire and Rescue Services (Comité Technique International de Prévention et d'Extinction de Feu – CTIF). Theme: *Operational organization in the field in very large forest Fires. How to prepare for “The big One”?*, with GFMC contributions *Landscape fires in Germany 2018-2019: Small size, long duration, extreme impacts and challenges* and *Global Landscape Fires in 2019: Ridge Walk between Reality, Media Hype and Political-Public Response* (J.G. Goldammer); Sintra, National Firefighter School, Portugal.





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The 2019 Fall meeting of the CTIF Forest Fire Commission, hosted by the Escola Nacional de Bombeiros (ENB), was attended by representatives of 11 European countries. Photos: CTIF and ENB.

Documentation

Agenda with abstracts

<https://gfmcc.online/wp-content/uploads/CTIF-Forest-Fire-Commission-13-14-November-2019-Agenda.pdf>

Meeting booklet

<https://gfmcc.online/wp-content/uploads/CTIF-Forest-Fire-Commission-13-14-November-2019-Booklet.pdf>

Beside this event an Italian delegation of CNVVF also engaged with Portuguese (cf. Appendix 5)

2.4. National and cross border networks

Poland

Several national and international events attended by CNBOP are reported in Appendix 6:

- FIRE EXPO 2019
- WARSAW HUMANITARIAN EXPO
- IFRE EXPO 2019
- Drone Tech World Meeting 2019
- Conference: Systems supporting the organization of rescue operations.

Northern Europe



This project has received funding from the European Union's Horizon 2020 Coordination and Support Action programme under grant agreement No 740575.



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- 6-8 May 2019, Stockholm, Sweden, European Strategy for the Baltic Sea Region (EUSBSR), Policy Area Secure 11th Steering Group meeting. Audience – civil protection agencies, fire and rescue departments, ministries of interior.



- 28-29 May 2019, Riga, Latvia, 17th Meeting of the Directors General for Civil Protection in the Baltic Sea Region



- 18 November 2019, Tinglev, Denmark. DEMA Emergency Service College, Baltic Excellence Programme in Civil Security. Audience: civil security experts from 8 countries in the Baltic Sea Region
- 27 November 2019, EUSBSR Policy Area Secure 12th Steering Group meeting.





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- 3 February 2020, Stockholm, Sweden. Informational meeting with the RISE Research Institutes of Sweden.
- 2 April 2020, teleconference, EUSBSR Policy Area Secure 13th Steering Group meeting

FIRE-IN results and progress **was featured in the following newsletters of the Policy Area Secure of the EU Strategy for the Baltic Sea Region**. The audience are 450+ societal security experts in the Baltic Sea Region, among them civil protection agencies, fire and rescue, ministries of interior, research institutions, training facilities.

<https://mailchi.mp/03b7a032cce2/pa-secure-newsletter-20184-news-funding-opportunities-project-results-505903>

<https://mailchi.mp/09297cafb343/pa-secure-newsletter-20193-news-funding-calendar>

Czech Republic

Association of Fire officers annual assembly, 21st of February 2020, Brno, Czech Republic

The Fire-In project and its outputs were presented to XXIV. Annual Assembly of CAFO, which took place on 21.2.2020 in Brno. The meeting was attended by 79 members of the Fire Rescue Service of the Czech Republic, other representatives of voluntary fire associations, Association of Industry Fire Chiefs and representatives of fire training facilities. Part of the program was the Fire In project, especially CBRNE issues and results from other thematic working groups. Participants obtained information about the project and contacted the project website at www.fire-in.eu



Germany

Meeting of BAM Commission on Infrastructure

Date: 11/04/2019 in Berlin (Germany)

About 15 participants from Germany, representatives of national institutions and industries

INEDEV mentioned and explained about the FIRE-IN project and distributed leaflets

Sharing information THW internal and in the network continuously:

e.g. on a meeting with the German National weather forecast January 2019

Meeting with the Nordic Dialogue December 2019

Meeting with THW training section in February 2019

March 2020 information of project partners on fire in an upcoming decon project



France



This project has received funding from the European Union's Horizon 2020 Coordination and Support Action programme under grant agreement No 740575.



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Event	Organiser	Location	2019	Description	Partners
Round table	GREC (local IPCC association)	Marseille	24/09/2019	Round table on climate change impacts in Southern France	SAFE
Preventica Marseille	Preventica	Marseille	08/10/2019	Round table of practitioners network	ENSOSP
National annual event	Prescribed burnings network	Avignon	08-11/10/2019	Annual exchange of knowledges	SAFE
National Workshop	Directorate-General for French Civil Protection	Paris	06-07 November	Creation of a national prospective and innovation network	ENSOSP
MILIPOL	MILIPOL	Paris	22 November	Round table of practitioners network	ENSOSP
Public Innovation week	ATRAKSIS	Paris	28 November	Round table of practitioners network	ENSOSP
ENVIRORISK	SAFE	Aix-en-Provence	12-13/12/2019	Workshop on natural disasters	SAFE
Webinar	ENSOSP & Safe	Aix-en-Provence	28/04/2020	Presentation of the e-platform to french solutions providers	ENSOSP / SAFE

Greece

Hellenic Disaster Risk Reduction Forum (HDRRF 2020) – March 2020

KEMEA participated in the 3rd Scientific Forum for Disaster Risk Reduction (HDRRF 2020) in Greece that took place in 5th and 6th March 2020, Athens, Greece. Cf. Appendix 2

2.5. International events

Meeting of SECTRANS project (CBRNe centers of excellence for the European Union)

Date: 11-12/12/2019 in Lomé (Togo)

About 50 participants from 10 African countries located in the Atlantic Façade of Africa

INEDEV mentioned and explained about the FIRE-IN project and distributed leaflets

(during several other meetings of the project SECTRANS (www.sectrans.org) INEDEV mentioned FIRE-IN and recommended to the participants to register as associated experts).





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IFAFRI

Workshop in Brussels 15/10/2019

SAFE & ENSOSP represented FIRE-IN and invited fire&rescue practitioners to join the event

IDRIM The 10th conference of the international society for Integrated Disaster Risk Management

Nice (France) 18/10/2019

SAFE and FhG represented FIRE-IN

<https://idrim2019.com/>

OECD workshop on wildfire risk mitigation

A PLACARD project initiative organized in the Organisation for Economic Co-operation and Development (OECD) premises in Paris.

SAFE, GFMC and PCF presented FIRE-IN practitioners' point of view to economic and insurance policy makers.

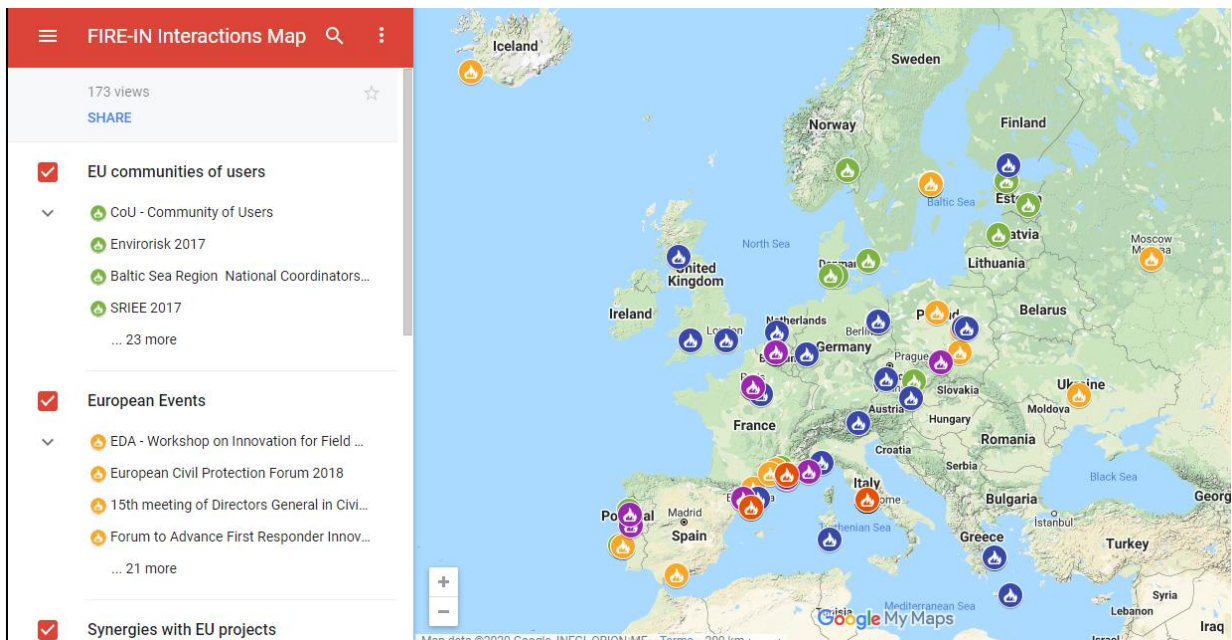
Cf Appendix **3**



2.6. FIRE-IN Interaction Map

PCF continuously implements the following map to make the impact of the project visible:

<https://bre.is/WkyfatXp>



Europe view of the FIRE-IN Interactions Map





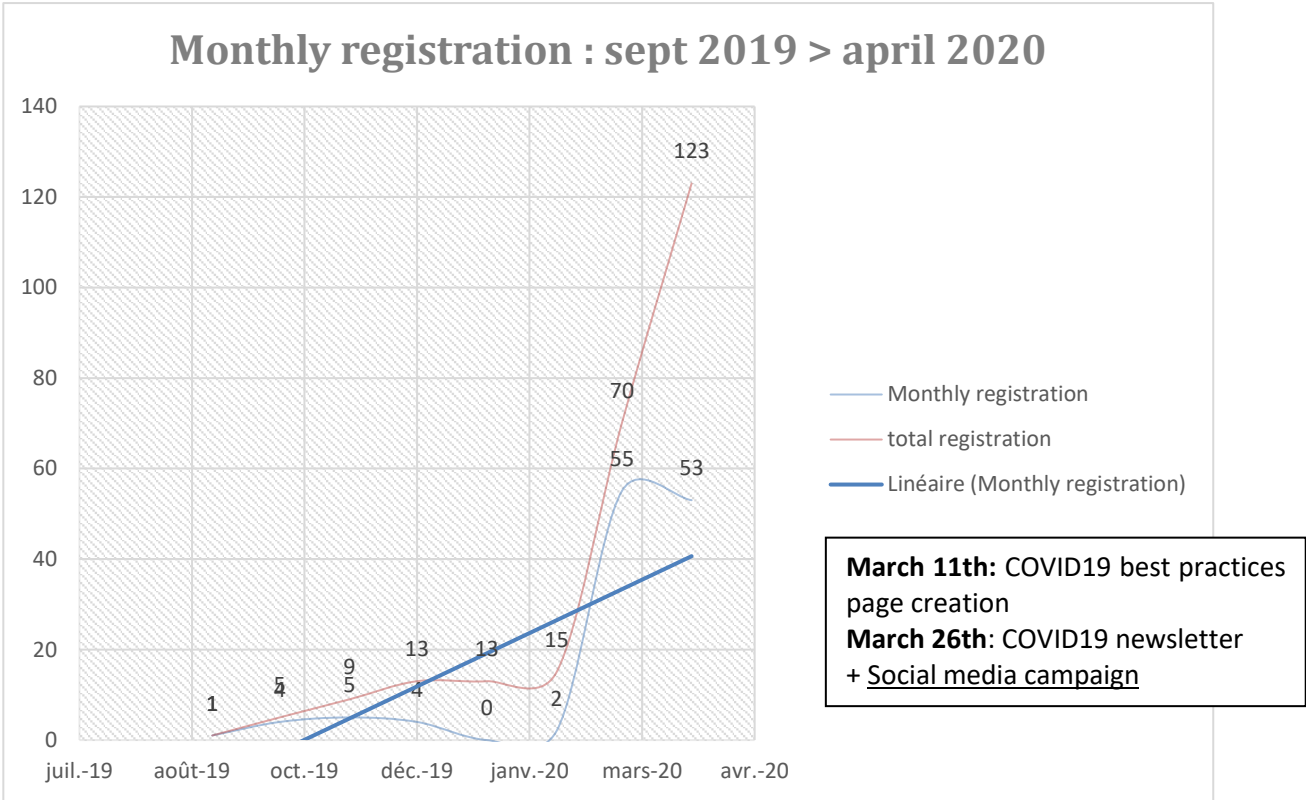
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3. The e-FIRE-In platform

3.1. Figures and achievement

We pre-opened the e-Fire-in platform at the end of September 2019, only to Fire-In partners to carry out some tests. Months of September 2019 to January 2020 have been dedicated to moving forward with the provider: taking into account the feedback from partners at the ergonomic level, but also on more important subjects. The production of the deliverable D1.3 and the “policy briefs” helped us to integrate content into the platform and continue the tests: uploading, layout, tests. January and February 2020 were thwarted by several larger shortcomings, notably related to the hosting of the platform. At the beginning of March, we entered a phase of global stabilization of the platform, allowing us to deploy our communication efforts in order to create traffic and generate new registrations:

Evolution of the registration and traffic e-FIRE-IN platform



The peak of registration on e-FIRE-IN from March 2020 can be explained by the conjuncture of several factors listed below.

March 11th, 2020: Creation of The COVID-19 Best practices and guidelines from European Fire and Rescue services page.

March 26th, 2020: The FIRE-IN Newsletter COVID-19 Special Edition <https://mailchi.mp/553ee185adb9/covid-19-practices-guidelines-online-courses-from-eu-fire-rescue-services>

March 27th, 2020: Dissemination on Cordis wire : <https://cordis.europa.eu/article/id/415758-the-fire-in-newsletter-covid-19-special-edition-best-practices-and-guidelines-from-european-f>





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April 28th, 2020: French dissemination webinar : <https://mailchi.mp/1610eb5f5f70/fire-in-informations-webinar-28-avril-2020?e=%5bUNIQID%5d>

The objective of this webinar was to present the policy briefs of our 5 thematic Working groups and also to present the platform. On this occasion, we generated a peak in the recording of companies and firefighters during this period as well as a certain number of relays on social networks.

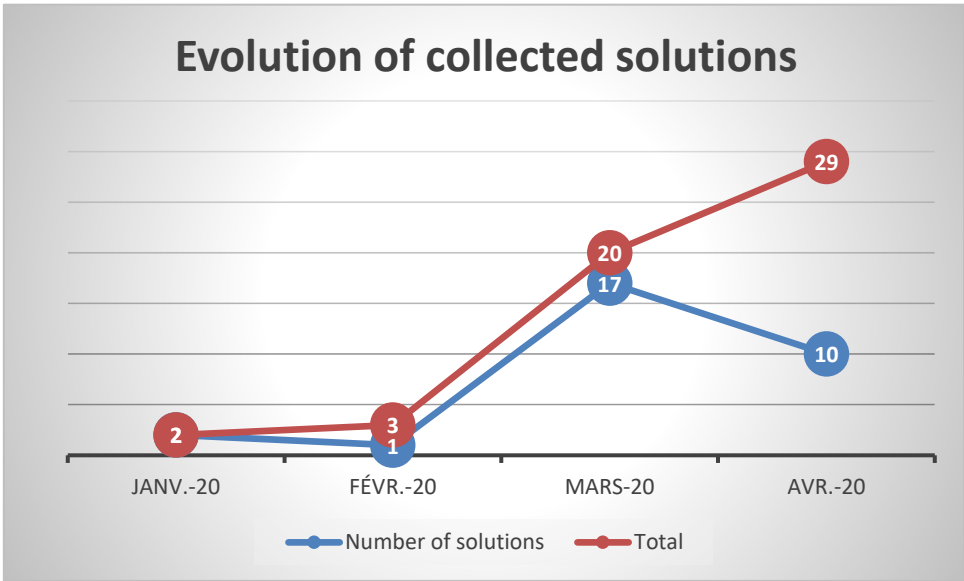
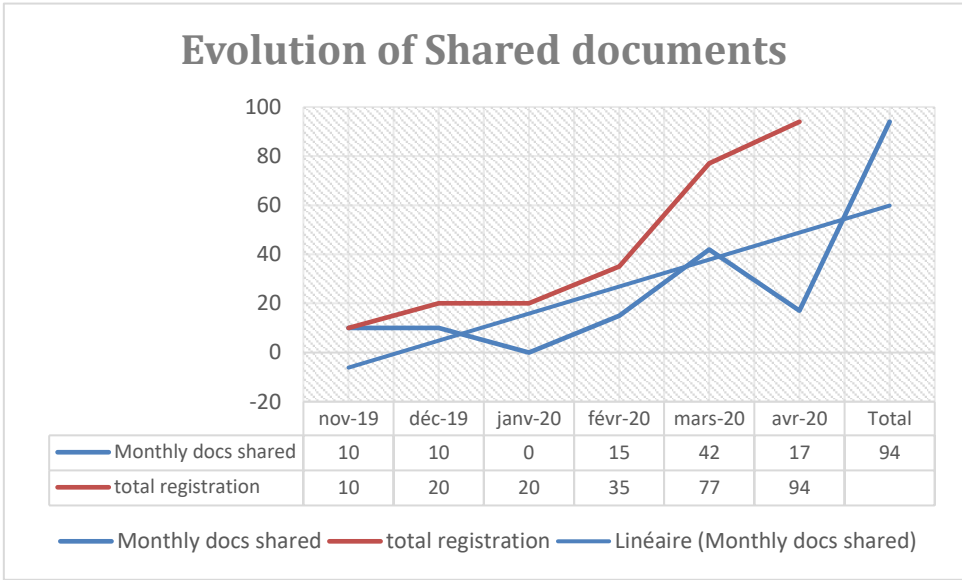
We will see in detail the figures linked to COVID 19 in section 3.2 of this document.

In addition to these activities, we have also launched several dissemination campaigns on social networks: for the webinar and the COVID good practices page, as well as to collect solutions to our challenges.

[eFire-in platform features: solutions and shared documents](#)

Total unique solutions collected on the platform: 29

Total of shared documents: 94

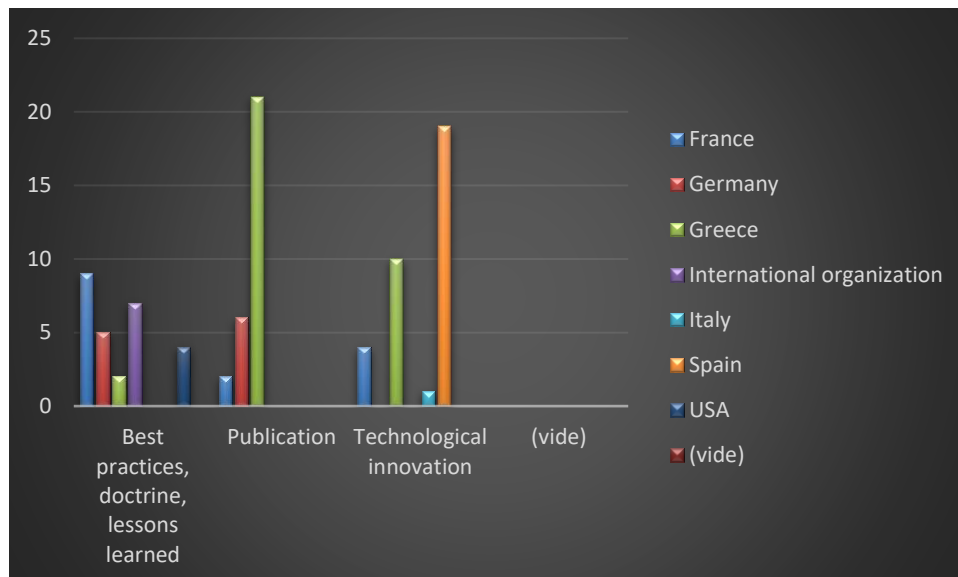




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Breakdown of solutions by country

Solutions breakdown Type	Country							Total of solutions (by ccc)
	France	Germany	Greece	International organization	Italy	Spain	USA	
Best practices, doctrine, lessons learned	9	5	2	7			4	27
Publication	2	6	21					29
Technological innovation	4		10		1	19		34
Total of solutions (by ccc)	15	11	33	7	1	19	4	90



Network features

Fire-in network:

Since 2017, an approach to identify experts has been implemented by all project partners.

The following network includes all of our contacts registered first on our website, then on the e-platform:

Fire-in experts Network

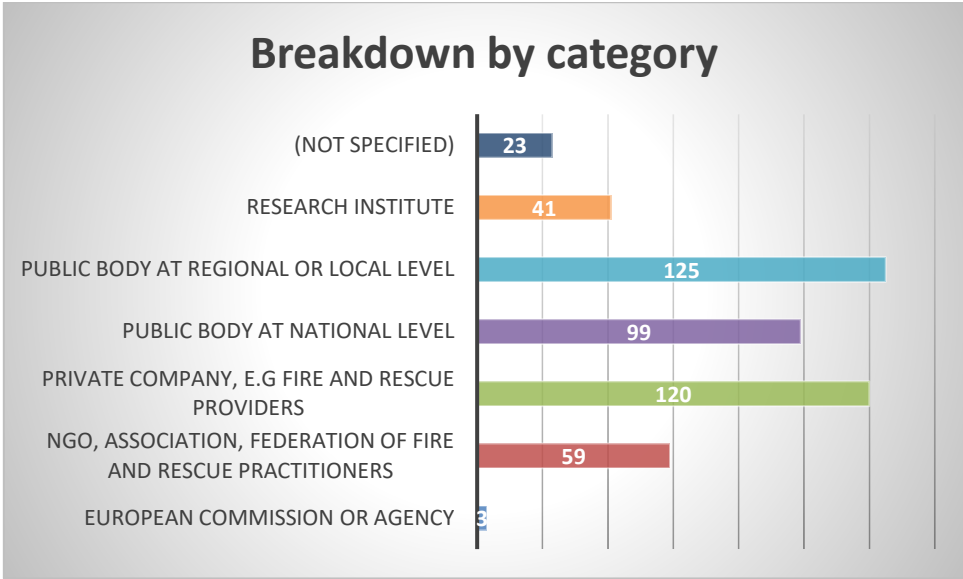
Fire-in experts network since 2017	323
e-Fire-in platform network since the beginning of 2020	147
Total Network	470

Table. Network: Breakdown by category





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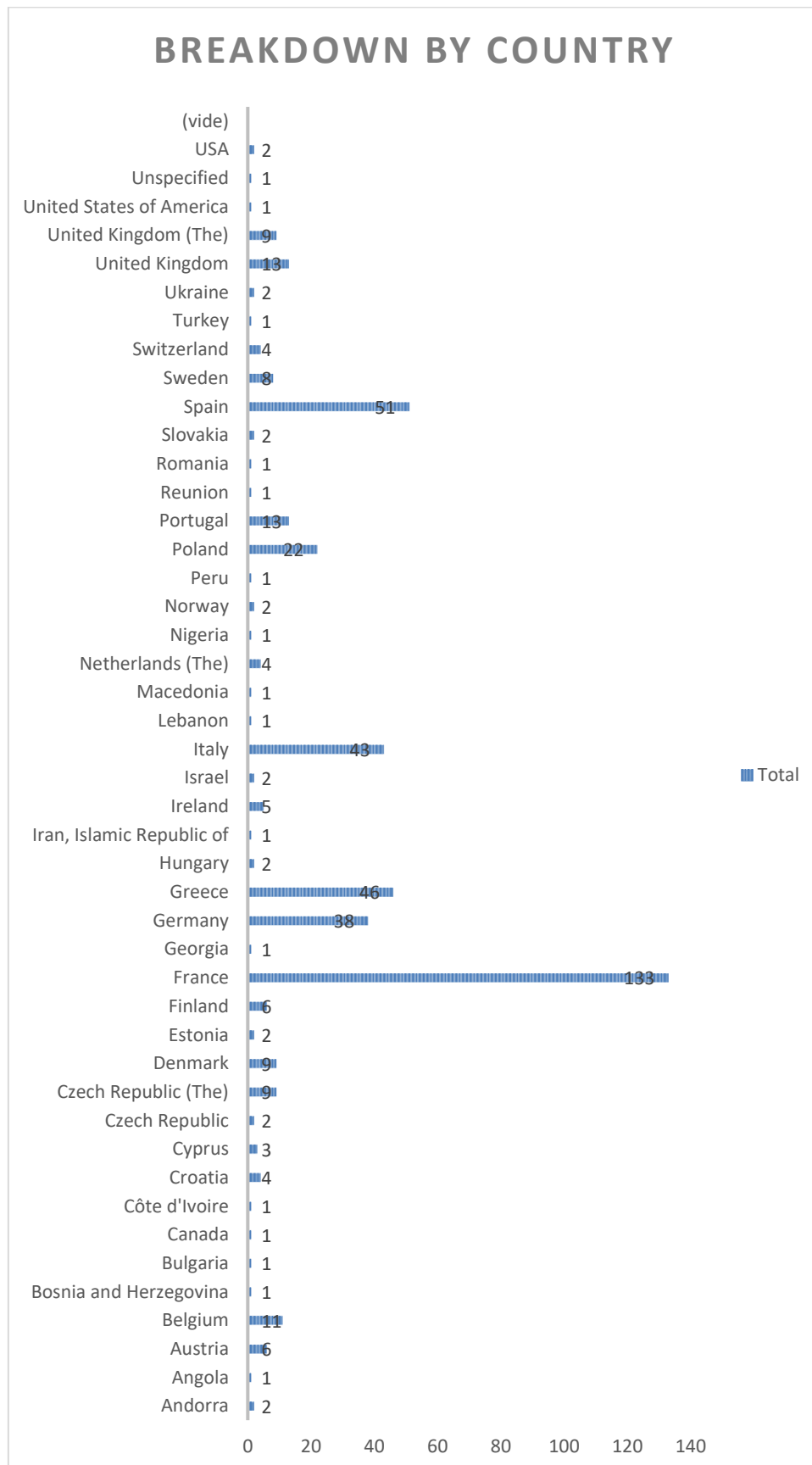




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Total fire-in Network: by country and category

Number	Country	NGO, association, federation of Fire and Rescue practitioners	Private Company, e.g Fire and Rescue providers	Public body at national level	Public body at regional or local level	Research institute incl academia	Unspecified	Total
	Andorra				2			2
	Angola		1					1
	Austria	1	1	2		2		6
	Belgium		2	5		2	1	11
	Bosnia and Herzegovina					1		1
	Bulgaria			1				1
	Canada			1				1
	Côte d'Ivoire					1		1
	Croatia				1	1	1	4
	Cyprus			1	1		1	3
	Czech Republic		1				1	2
	Czech Republic (The)			4	1	4		9
	Denmark	1	3	1	1	2		9
	Estonia				1			1
	Finland		1			1	1	3
	France		16	41	21	47	3	133
	Georgia				1			1
	Germany		9	7	10	7	4	38
	Greece		2	18	11	3	11	46
	Hungary		1		1			2
	Iran, Islamic Republic of			1				1
	Ireland			1	1	2	1	5
	Israel			1	1			2
	Italy		4	6	20	7	6	43
	Lebanon		1					1
	Macedonia				1			1
	Netherlands (The)				2	1		4
	Nigeria				1			1
	Norway					1	1	2
	Peru				1			1
	Poland			6	10	4	2	22
	Portugal		8	3	1	1		13
	Reunion					1		1
	Romania			1				1





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Slovakia		1				1		2
Spain	1	6	4	5	31	2	2	51
Sweden			2	2	2		2	8
Switzerland			2	1			1	4
Turkey			1					1
Ukraine		1	1					2
United Kingdom		2	5		1	5		13
United Kingdom (The)			3	3	3			9
United States of America			1					1
Unspecified								1
USA (vide)							2	2
Total	3	59	120	100	125	41	23	470

Let's compare the figures between the fire-in network: registrations opened in 2017 and the network on the platform:

Total registered on the e-FIRE-IN Platform: 147

Total registered before the e-FIRE-IN Platform: 323

Total FIRE-IN Network: 470

We have developed our network by 31% in two months.

This figure is interesting as our communication focused on 2 points only in the last 2 month: COVID19 and the collection of solutions.

3.2. COVID19 content

As of March 12, Safe Cluster, as coordinator proposed to create the COVID 19 best practices page. One of the main goals of our project is to create a web-based platform where the best practices within Fire & Rescue are shared among practitioners, researchers and technology providers. In these difficult times of the COVID-19 outbreak, FIRE-IN partners monitored the measures taken in their countries against the pandemic.

Here is the link to the page with all the articles by country: <https://fire-in.eu/single-pages/coronavirus-european-countries-share-their-best-practices>

You will find below a summary of COVID 19 related documents shared by country:

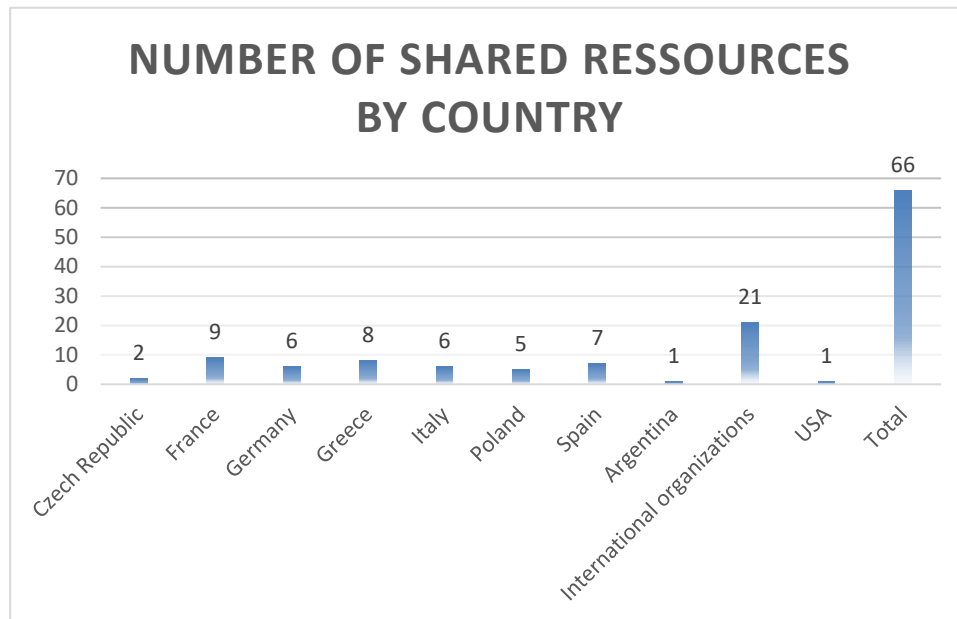




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In March 2020 the CBSS [prepared a newsletter](#) with the highlights of the COVID19 related best practices on the platform. The newsletter was sent to 516 recipients and resulted in a rather high percentage of opens – 45% (with 26% being the average open rate in the similar fields.)

Social media COVID19 campaign: March April 2020

Twitter

- Increased: **64 followers**
- New visitors: **385**, so we increased **63,4% the last 2 months**
- In this COVID-19 campaign **71,9%** (Impressions) of people saw our tweets
- Total number of tweets in relation with COVID-19: **15 Tweets**

TOP TWEET of April

- 63 people clicked on the link, that forwarded to the fire-in.eu
- 13 people shared this Tweet
- 15 people liked this Tweet

TWEET HIGHLIGHTS

Top Tweet earned 7,299 impressions

📄 Compilation of **#BestPractices** for different countries eu
👉 Check them out:
fire-in.eu/single-pages/c...
pic.twitter.com/KnDTBM7ijH



👁️ 13 ❤️ 15

[View Tweet activity](#) [View all Tweet activity](#)





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Tweet activity

TOP TWEET March

- 21 people clicked on the link, that forwarded to the fire-in.eu
- 5 people shared this Tweet
- 10 people liked this Tweet



Facebook :

- Total number: **253 followers**
- Increased: **15% followers**
- Total number of tweets in relation with COVID-19: **10 Posts**
- The peak of visits was **24 on April 20th**



Visitor demographics © Time range: Mar 2, 2020 - May 11, 2020 Data for: Job function ▼

Top job functions

Job Function	Visitors	% of Visitors
Research	25	33.33%
Program and Project Management	12	16%
Business Development	9	12%
Military and Protective Services	7	9.33%
Operations	7	9.33%
Community and Social Services	6	8%
Accounting	3	4%
Consulting	2	2.67%
Engineering	2	2.67%
Support	2	2.67%

LinkedIn

- Total number: **231 followers**
- Increased VIEWS: **37%**
- Total number of tweets in relation with COVID-19: **10 posts**
- **23 times** were shared our posts
- **10 times** people reacted

33,33% during the COVID-19 belonged to the RESEARCH sector

Several other European H2020 projects have asked us for permission to share the COVID 19 newsletter within their networks.





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3.3. Conclusions – flexibility and focus on practitioners needs grow FIRE-IN network despite pandemic

As reflected in the Appendixes, during 2019 FIRE-IN partners continued their usual practices of selecting important gatherings of practitioners and presenting the project there, promoting the network as a source of Fire & Rescue solutions and a chance to influence research and innovation agenda in the EU. However, these practices effectively stopped with the worldwide pandemic.

During March-May 2020 the COVID19 pandemic made one of the FIRE-IN main activities – physical interactions with practitioners difficult due to the quarantine measures and travel restrictions. However, the project partners adapted to the new situation and despite the limitations, such as cancelling of the main event – Interschutz fair, managed to grow the network by 31% within two months. It happened because of the previously established good contacts with other EU-funded security networks, willingness to move events online and flexibility in focusing on topics relevant to all Fire & Rescue services at the moment – such as functioning during pandemic and just-in-time training. These factors ensure that the network will continue functioning and would not lose momentum during the pandemic.



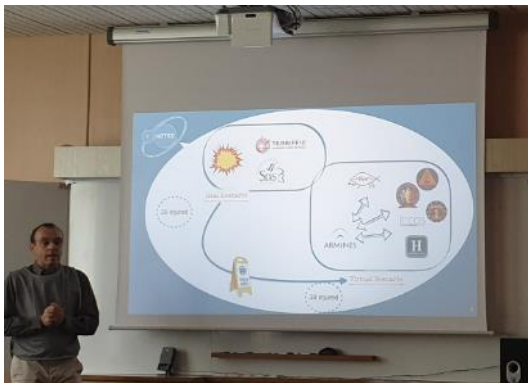


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4. APPENDIX 1; CAFO Collaboration with other CBRNE relating projects and networks

e-NOTICE event 22nd- 24th of May, 2019, Gurgy, Seine – Et – Marne, France

The TWG E CBRNE (CAFO) representative participated in the e-NOTICE project activity in France. The overall goal of the eNOTICE (European Network of CBRN Training Centers) project is to establish a European network of CBRN training, testing and demonstration centres aiming at enhancing CBRN training capacity for improved preparedness and incident response through increased collaboration between CBRN training centres and practitioners' needs-driven CBRN innovation and research. As part of the activity, an exercise was organized in the SDIS77 training facility in Gurgy. The topic of the exercise was a terrorist attack using CBRN substances. Within the event, the Fire-in project was presented and possible cooperation between pro-projects was presented. Taking into account the focus of the project - collaboration between CBRNE training centres across Europe, it is possible to identify the results of the project, which can inspire identified gaps and challenges in standardizing the quality of CBRNE training and education.



Part of the exercise was also testing UAV and robots, who are able to perform detection and measurement during radiation accidents. Modification of the UAV and robots for data collection within the radiation accident is realized within the framework of the **TERRIFFIC** project. TERRIFFIC's outcome can be provided with guidance on identifying identified CBRNE gaps and challenges.





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During the exercise was discussion with representatives of the **HOPICAMP** project. The aim of the project is to develop tools for the operation and training of Field Hospitals and Advance Medical Posts (AMP). Within the project, a virtual tool for personnel training and a system for logistic management using RFID chips is developing. In connection with the Fire-In project, it is possible to identify cooperation within the TWG A - Search and Rescue and TWG E CBRNE.



**ENCIRCLE -
Innovation
Cluster**

**European CBRN
for the Market**

Cooperation has been established between the Fire-In project and the ENCIRCLE project, which focuses on CBRNE cooperation, in particular between practitioners and industry. As part of the cooperation, the ENCIRCLE questionnaire was distributed on the AEs of Thematic working group CBRNE





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5. Appendix 2; KEMEA's report on interaction with existing networks

Mediterranean Security Event 2019 (MSE 2019) – October 2019

Participation in the Mediterranean Security Event 2019 which took place in Fodele, Crete, Greece on 29-31 October 2019. FIRE-IN has actively participated in the event, having a presentation during the plenary sessions, and interacting with security practitioners (around 100 out of 300 participants) that joined the event.

In addition, FIRE-IN co-organized with the projects MEDEA (EU project /Network of practitioners), HEIMDALL and WUI-VIEW one of the eight focused workshops, specifically on Wildland-Urban Interface FIRE MANAGEMENT. The workshop took place on 30 October 14:00-17:00. During the workshop, four use cases (real events) in France, Greece, Portugal and Spain were discussed between practitioners and members of the four projects. The goal of the workshop was to identify current gaps, challenges and capabilities in risk awareness, management and evacuation I the field fires in the Wildland Urban interface. A world-café methodology followed with a rotation of the participants between four tables every 40 minutes.

More information on the Mediterranean Security Event 2019 (MSE2019) can be found here:

<https://mse2019.kemea-research.gr/press-release-mediterranean-security-event-2019/>

Program of the event is attached.



Left: Picture of the opening session of MSE2019. Right: Snapshot from the Wildland Urban Interface focus workshop of FIRE-IN.

More pictures of the MSE 2019 event are available here: <https://mse2019.kemea-research.gr/mse2019-gallery/>

DRIVER+ ADVANCED CRISIS MANAGEMENT CONFERENCE – February 2020

FIRE-IN project was represented by KEMEA and ENSOSP in a booth devoted to FIRE-IN. FIRE-IN project had one booth in the marketplace of DRIVER + final conference event that took place in Brussels on 19th and 20th of February 2020. During these days, the FIRE-IN e-platform was presented to the participants of the event and we had the chance to discuss the work and the goals of the FIRE-IN not only to the participants but also to members of the EU and more specifically of DG-ECHO. FIRE-IN was also presented to solution providers that participated in the marketplace of the event.

The event agenda is downloadable from here (FIRE-IN is presented in page 19): https://www.driver-project.eu/wp-content/uploads/2020/03/Driver-Final-Conference-Programme-V1.0_WEB_Pages.pdf

Photos of the FIRE-IN booth and discussion with the participants are attached.





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More photos from the event are available here: <https://www.driver-project.eu/advanced-crisis-management-conference-pictures/>

Hellenic Disaster Risk Reduction Forum (HDRRF 2020) – March 2020

KEMEA participated in the 3rd Scientific Forum for Disaster Risk Reduction (HDRRF 2020) in Greece that took place in 5th and 6th March 2020, Athens, Greece. The event was organized by the National and Kapodistrian University of Athens. KEMEA participated and presented FIRE-IN among other projects. The presentation took place on 5th of March. The FIRE-IN team of KEMEA participated in the event and not only presented the project but also interacted with other practitioners on disaster risk reduction and management, emergency response and civil protection (e.g. Earthquake Planning and Protection Organisation - EPPO, Hellenic Meteorological Service – HNSM), as well as researchers from the academic and research community of Greece, and discussed the potential and the benefits of FIRE-IN project as well as the creation of the FIRE-IN network.

The forum link is accessible here (only in Greek): <https://edcm.edu.gr/en/hdrf/2020>

The forum agenda can be found here (only in Greek, also attached to the email): <https://edcm.edu.gr/images/news/hdrf/HDRRF2020-agenda-finale.pdf>

Photos of the presentation are attached.





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6. Appendix 3; GFMC interactions

06 May 2019, 25-26 June 2019 and 14-15 October 2019,

Working Group meetings and Consultation Workshop for the development of a concept for a European Hub for Civil Protection and Crisis Management in the frame of the implementation of the project *Network of European Hubs for Civil Protection and Crisis Management*, with pilot hub *Wildfire Risk Management* (GFMC partner); Rotterdam, The Netherlands, and École d'application de Sécurité Civile (ECASC), Valabre, Gardanne, France.



Working Group meeting of the Fire Hub group at the École d'application de Sécurité Civile (ECASC) in Valabre, Gardanne, France, which provides the Euro-Mediterranean Center for Risk Simulation (CESIR). Photo: Ecorys.





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Attendees from UCPM Participating States and specialized institutions contributed to the Consultation Workshop in Rotterdam, June 2019. Photo: Ecorys.

Documentation

No public documentation available at this stage

Public call for tenders:

https://infoeuropa.euocid.pt/files/database/000079001-000080000/000079758_2.pdf

16-17 January 2020

OECD-PLACARD Workshop “Adapting to a changing climate in the management of wildfires”. The workshop aims at identifying issues that need to be addressed to create a conducive environment for aligning wildfire actions, by public as well as private actors, and to design an effective funding architecture to boost wildfire adaptation actions, including ensuring the continued availability of financial protection against wildfire risk; to identify the added-value of international and intergovernmental cooperation on this issue, and to define priority areas where the OECD could contribute to addressing existing gaps in its work going forward. The GFMC contribution will address the role of innovation and technology in wildfire management (J.G. Goldammer); OECD Conference Centre, Paris, France





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Report of the meeting

<https://gfmc.online/wp-content/uploads/OECD-PLACARD-Wildfires-Meeting-16-17-Jan-2020-Report.pdf>



This project has received funding from the European Union's Horizon 2020 Coordination and Support Action programme under grant agreement No 740575.



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7. Appendix 4; FIRE-IN dissemination at HEIMDALL project

Date: 22/05/2019

Place: *Institut Cartogràfic i Geològic de Catalunya* (ICGC) headquarters

Framework: HEIMDALL Project

Target: HEIMDALL Project Consortium

HEIMDALL is a European Horizon 2020 Project that aims at improving preparedness of societies to cope with complex crisis situations by providing a flexible platform for multi-hazard emergency planning and management.

The main idea is to use innovative technologies for the definition of multi-disciplinary scenarios and response plans, providing integrated assets to support emergency management, such as monitoring, modelling, situation and risk assessment, **decision support** and communication tools (<http://heimdall-h2020.eu/>).

One of the different utilities that pursues HEIMDALL is to gather lessons learned at different emergencies making them available to be shared between the platform users as a source of knowledge to be helpful in decision-making processes. These lessons learned should be among the multiple tools that could help to support decisions considering their utility as a source of experiences from previous emergencies that can help in similar scenarios becoming shared knowledge between the actors involved.

During an emergency, the current situation could be matched using the platform (which should store past emergency situations in its database) in order to obtain past information, also lessons learned, that can help in the current situation. This match is expected to be based on different parameters (risk type, weather similarities, etc.).

The 22nd of May, the *Institut Cartogràfic i Geològic de Catalunya* (ICGC) hosted one of the project meetings aimed to work on different aspects of the platform. On that occasion, we proposed to classify the lessons learned using the “challenges” and “capabilities” identified in the CCC Matrix. This way, using the CCC Matrix we could obtain general recommendations, solutions, etc. that could help the decision-making process. These parameters should not be the unique ones to take into account but could be useful to consider.

With this aim, the 22nd of May, during the Barcelona End-users meeting of the HEIMDALL project, we briefly explained the FIRE-IN project and the Common Capability Challenges Matrix. The idea was accepted and incorporated into the project.

We consider that this is a way to disseminate a project because not only we explained about the existence of the project but we also integrated some aspects of one project into the other, boosting synergies between projects and encouraging the interaction between European projects.

Next there are two of the images used to illustrate the explanation above:





Key point 5: Lessons Learned

Slide 11

Lessons Learned collection:

- ✓ Meanwhile and after the incident.
- ✓ From different moments/points: LS, IS, RP, etc.
- ✓ Linked to capabilities (Fire-in Project CCC Matrix). →

THE MATRIX OF THE COMMON CAPABILITY CHALLENGES		Challenges identified			
		High flow of effort in hostile environment	Low frequency, high impact	Multi-agency / multi-leadership environment	High level of uncertainty
Capabilities Identified	Knowledge cycle	Focus on sustainability of safe operations	Anticipate vulnerability and communicate to the public	Distribute responsibility in decision-making	Strategies choosing safe, resilient scenarios, and maintaining credibility
	Community involvement	Train specific roles and risks	Organisational learning focusing efforts in key risks and opportunities	Build a shared understanding of emergency and train interagency scenarios	Focus on capacity building towards more resilient societies
	Pre-planning	Develop public self-protection	Prepare communities for the worst scenario before it happens.		Cultural changes in risk tolerance and resilience
	Guidance instruments and standards	Pre-plan a time-efficient, safe response, minimising responder's engagement	Negotiate solutions with stakeholders for anticipated scenarios	Plan interoperability and enhance synergies	Focus on governance and integral risk management
	Information management	Establish procedures and guides	Standardise capabilities in front of pre-established scenarios	Establish an interagency framework	Build doctrine for resilience in emergency services and societies
	Technology	Information cycle	Focus on key information for decision-making	Define common information management processes between agencies	Provide an efficient, flexible flow of information for a shared understanding
	Networking	Use technology to assess risks and minimise responder's engagement	Forecast and simulate complex scenarios	Technological tools to support data sharing	Get a clear picture of the risk evolution
	Human factors				



Multi-h

Key point 6: Decision making

Slide 12

THE MATRIX OF THE COMMON CAPABILITY CHALLENGES		Challenges identified				LS parameter
		High flow of effort in hostile environment	Low frequency, high impact	Multi-agency / multi-leadership environment	High level of uncertainty	
Lessons Learned	Capabilities Identified	Knowledge cycle	Focus on sustainability of safe operations	Anticipate vulnerability and communicate to the public	Distribute responsibility in decision-making	Strategies choosing safe, resilient scenarios, and maintaining credibility
		Community involvement	Train specific roles and risks	Organisational learning focusing efforts in key risks and opportunities	Build a shared understanding of emergency and train interagency scenarios	Focus on capacity building towards more resilient societies
		Pre-planning	Develop public self-protection	Prepare communities for the worst scenario before it happens.		Cultural changes in risk tolerance and resilience
		Guidance instruments and standards	Pre-plan a time-efficient, safe response, minimising responder's engagement	Negotiate solutions with stakeholders for anticipated scenarios	Plan interoperability and enhance synergies	Focus on governance and integral risk management
		Information management	Establish procedures and guides	Standardise capabilities in front of pre-established scenarios	Establish an interagency framework	Build doctrine for resilience in emergency services and societies
		Technology	Information cycle	Focus on key information for decision-making	Define common information management processes between agencies	Provide an efficient, flexible flow of information for a shared understanding
		Networking	Use technology to assess risks and minimise responder's engagement	Forecast and simulate complex scenarios	Technological tools to support data sharing	Get a clear picture of the risk evolution
		Human factors				

Support to decision making process



Exchange, Response and Scenario Building





8. Appendix 5; CNVVF interactions



A delegation of the Italian National Fire Brigade (CNVVF) was invited on 17th and 18th December 2019 to the National Fire School of Portugal for an exchange of experiences gained within FIRE-IN project where ENB technicians participated as AE.

The focus of the two days was the use of Virtual Reality in the training of European firefighters, one of the main CCC emerged during the TWG B workshops of which the CNVVF is the coordinator.

Platforms and experiences from different European realities were compared in a technical table between representatives of the different Organizations present.





Members of CNVVF participated at the **7th GEO-SAFE workshop**, held at Greenwich University (United Kingdom). This workshop presented the evacuation models developed and human behaviour analysis that has been performed in the GEO-SAFE project. The Workshop was organized within the Work Package WP2 of the European Project [GEO-SAFE](#).

The main themes of this workshop were:

- Role, requirements and capabilities of evacuation modelling in the planning and management of wildfires.
- Identification and calibration of human behaviour in response to wildfire.
- Development and application of Large Scale Wildfire Evacuation Models
- Embed evacuation simulation environment into a training environment.
- Future directions for wildfire evacuation modelling.

The workshop included

- 7 lectures
- 3 discussion panels
- 1 hands on session using webEXODUS
- 1 Demonstration session showing recent developments in coupling wildfire, pedestrian and vehicle models

Stefano Marsella, senior manager of CNVVF and FIRE-IN TWG B leader, presented a lecture on “ Future directions for wildfire evacuation modelling: evacuation during wildfire and next generation of decision support systems”.

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Download

http://fseg.gre.ac.uk/hbem/UoG_GS_wildfire_evac_WS_proceedings_200220.pdf

Proceedings :





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Gianfilippo Micillo, senior manager of the CNVVF and member of the FIRE-IN team participated as an observer in the **final demo of Driver +** project held in Warsaw (Poland), from 26-28 November 2019. The Final Demo provided an opportunity to showcase the main outcomes of the Project.

The Final Demo addressed the communication aspects between the UCPM components, mainly the ERCC, the EUCPT and the Modules, which are sent to the country in crisis by states affiliated within the scope of the UCPM. The main areas addressed were:

- reporting on the operational activities from the field to the ERCC;
- information exchange among Team Leaders of the Modules, and the EUCPT;
- geo-information support for situation assessment and decision-making for Team Leaders of the Modules and the EUCPT.

The Final Demo's show if, and how, the innovative DRIVER+ solutions can minimise a specific set of identified gaps in Crisis Management.





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GAP 1

Shortcomings in interoperability in the ability to exchange crisis-related information among agencies and organisation.

GAP 2

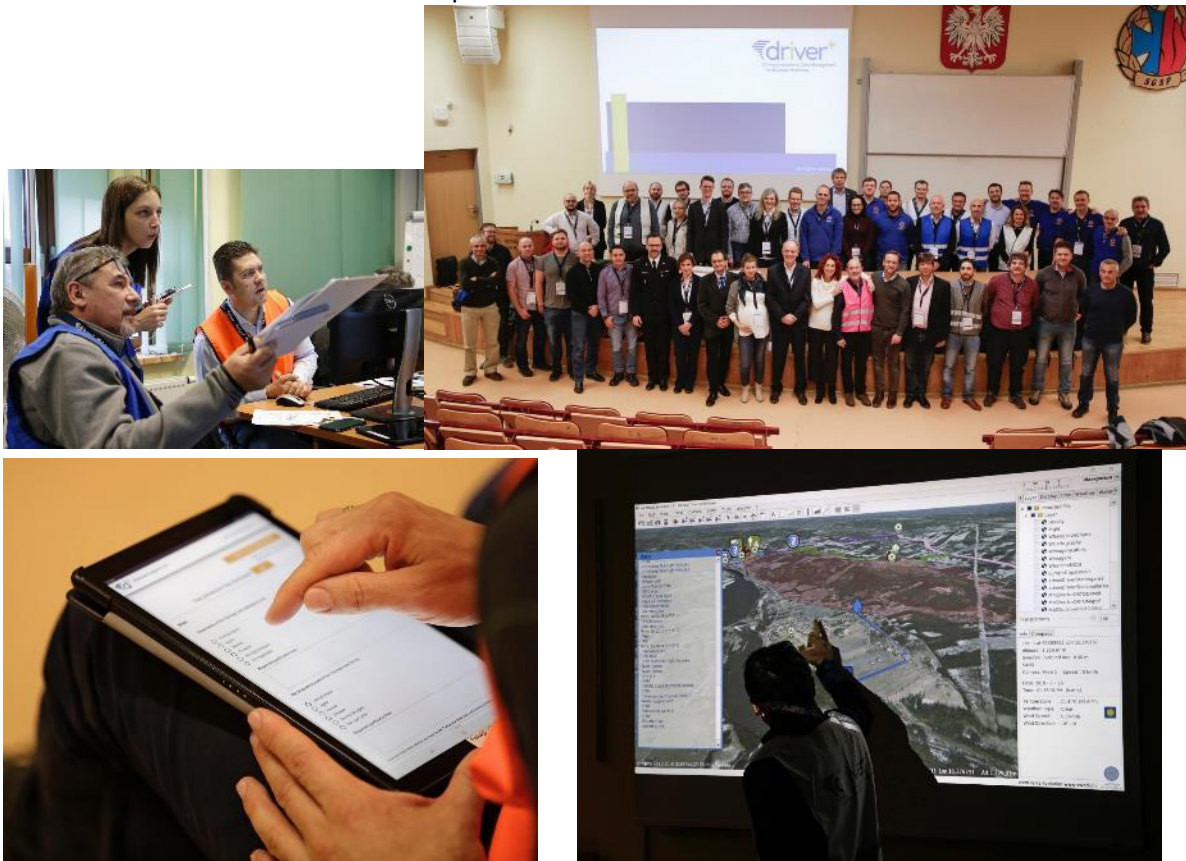
Lack of a “Common Operational Picture” to integrate data sources and calculation results from different models crucial for the decision making process.

GAP 3

Limitations in the ability to merge and synthesise disparate data sources and models (e.g. historic events, spreading models, tactical situation, critical assets map) in (near) real time to support decision making.

These gaps are part of the 27 CCCs that emerged during the FIRE-IN workshops and therefore the experience of the members of FIRE-IN present at the Final Demo, not only of the CNVVF, were important for evaluating the proposed solutions.

Some of these solutions have been reported in the deliverable D.2.3





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9. Appendix 6; CNBOP interactions in Poland and outside

Fire-expo 2019 The Congress of Fire-expo2019 took place at the National Stadium in Warsaw on 25 of July and brought together Polish and European people of science (universities, research institutes) as well as the creators of tools, building elements, cars etc. used in fire protection and the customers themselves. It was one of the largest event of this type in Central and Eastern Europe.

Participation in the Fire-expo 2019 congress perfectly fit into the scope of task 4.2 regarding building the network and interacting with participants in fire protection events.



Photo 1. Entrance to Fire-Expo



Photo 2-3. testing of first aid with 4HELP VR (private source)



Photo 4-5. Fire-Expo 2019 event (organizer source <http://fire-expo.pl/>)





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WARSAW HUMANITARIAN EXPO

On 12.06 at the International Trade Fair for Humanitarian and Development Aid - WARSAW HUMANITARIAN EXPO the FIRE-IN project was promoted by distributing information leaflets and presenting a multimedia presentation that illustrated the theme of the project. In addition, interested parties were recommended to register in the FIRE-IN network and submit their solutions to identified gaps



Photo 6. FIRE IN presentation in CNBOP-PIB stand in Warsaw Humanitarian Expo 2019





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IFRE EXPO 2019

IFRE-EXPO the exhibition covered over 5,000 square meters, the fair also became more international - 127 exhibitors represented as many as 8 countries. Like in last year, trade fair visitors devoted most attention to specialist cars. The event took place on 6-8.06.2019 in Kielce.

The industry scope of the IFRE EXPO for fire protection and firefighting technology includes, among others: fire vehicles - extinguishing and special vehicles; extinguishing and neutralizing agents; protective equipment and clothing for special services; fire equipment; sanitary equipment and first aid medicine; equipment for fire brigades and workshops; threat analysis and recognition; investigation of the causes of fires; specialist rescue; chemical and ecological rescue; medical and mountain rescue; Water rescue; technical rescue; railway technical rescue; road technical rescue; mining technical rescue; high-altitude technical rescue; technical security systems; structural fire protection; flood protection; fire signaling; manual call points.

Two FIRE-IN representatives from CNBOP-PIB participated in the event. During the congress, they learned about market products and the latest information on fire safety. During numerous interactions with participants, it turned out that many people are interested in membership in the FIRE-IN network. The possibilities offered by the FIRE-IN internet platform were also presented and registration was encouraged.



Photo 7. One of the views of the external exhibition during IFRE EXPO 2019 (organizer source <https://www.targikielce.pl/kielce-ifre-expo-2019>); Photo 8. CNBOP-PIB stand (private source)





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Drone Tech World Meeting 2019

During the Drone Tech World Meeting 2019 congress, market products and the latest information on the unmanned aerial vehicle industry and related innovation industries were introduced. A presentation on the FIRE-IN project was presented at the CNBOP-PIB stand.



Photo 9. Presentation of the FIRE-IN project at the CNBOP-PIB stand during Drone Tech World Meeting 2019.

The 4th DroneTech World Meeting Toruń 2019 was organized by the New Technology Support Institute, and co-organized by the Scientific and Research Center for Fire Protection - National Research Institute.

This event took place in Toruń on 18-19 October gathering enthusiasts, leading scientists, professionals, producers, investors and anyone who has an interest in the exciting world of new technology. There were two days of B2B meetings, demonstrations and indoor drone racing championships combined with a trade fair and a conference will be an ideal environment to learn about how unmanned and autonomous technologies will develop over the coming years in support of mankind.



Photo 10. Drone Tech World Meeting 2019- conference part (organizer source <https://dronetech-poland.com/>); Photo 11. meetings in CNBOP-PIB stand during Drone Tech World Meeting 2019 (private source)

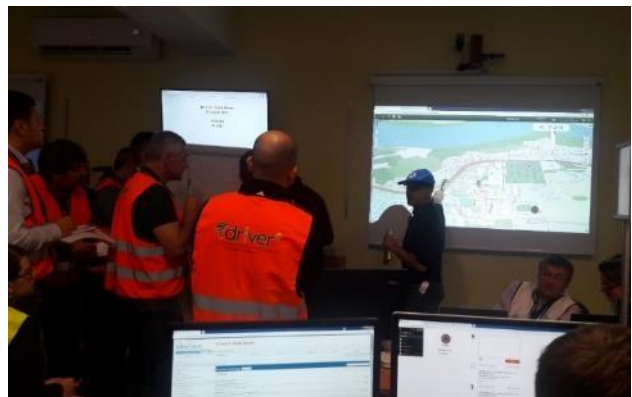




Final Demonstration – Driver + project

Final Demonstration (FD) organized as part of the DRIVER + project took place in Poland on November 26-28, 2019. A representative of CNBOP-PIB / FIRE-IN was invited to participate in the event as an observer. On the first day, all participants were acquainted with the assumptions of the project and FD, training was conducted for individual groups of participants and information on the planned scenario was provided. On the second day of the event, a representative of CNBOP-PIB / FIRE-IN participated in the observation of the PL GFFV module (Ground Forest Fire Fighting using Vehicles) working on innovative tools. On the last day, the observations concerned the RO GFFV module working on the basis of basic tools. The result of the observation was the analysis and evaluation of the usefulness of innovative tools in the field of crisis management. Opinions of observers were collected using forms available on personalized tablets, filled during the subsequent stages of observation.

During the Final Demonstration (FD) a demonstration scenario was realized involving large-scale forest fires in a fictitious country. An exchange of information could be observed between ERCC (the Emergency Response Coordination Center), EUCPT (European Union Civil Protection Mechanism) and the National Disaster Management Authority (NDMA). The application of selected innovative DRIVER + solutions, tested together with ERCC, EUPCT and modules standard operating procedures, showed the potential added value of selected solutions in such a crisis management situation. Innovative solutions selected for the final demo include: CrisisSuite (Merlin, the Netherlands), Drone Rapid Mapping (Creotech, Poland),



Socrates OC (GMV, Spain), viewTerra Evolution (VWorld, France), as well as tools





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developed by the Joint Research Center (JRC) such as Field Reporting Tool and Copernicus Maps.

Photo 12. SGSP- one of location of Driver+ FD (Driver+ source); Photo 13. meeting representatives of the modules with NDMA (private source)

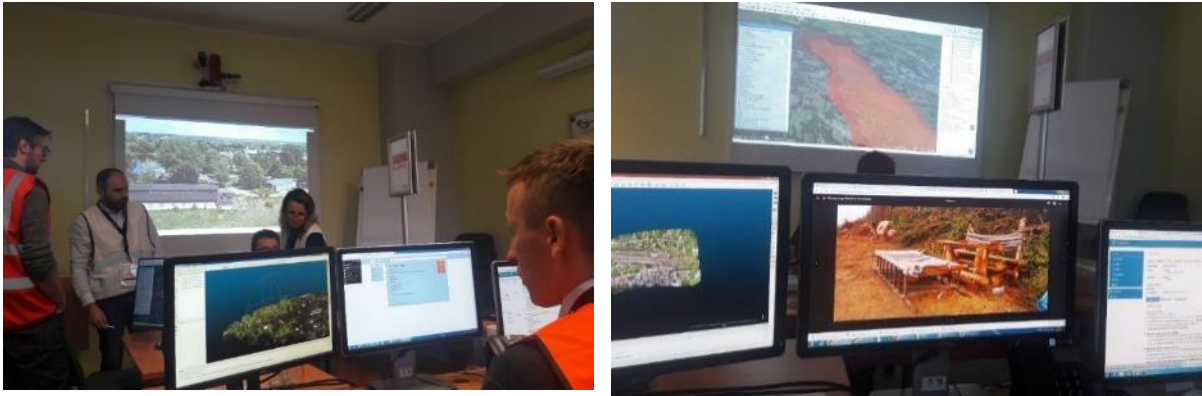


Photo 14-15. PL module communication using innovative tools supporting crisis management (private source)

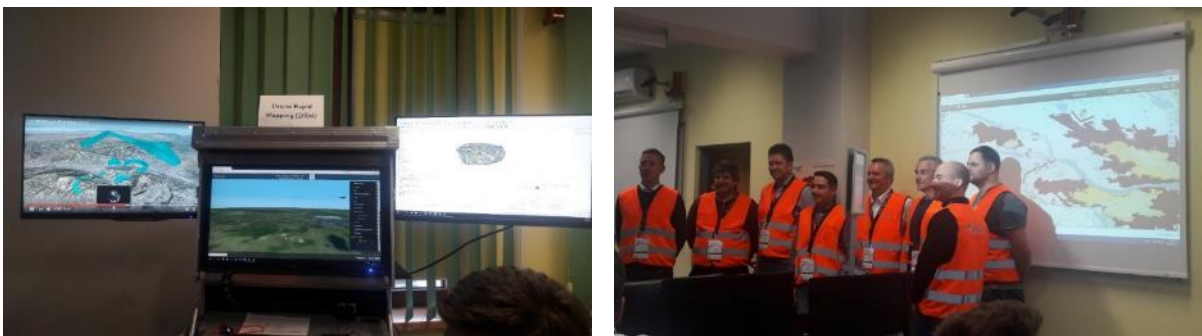


Photo 16. „Drone Rapid Mapping”- presentation of the tool's possibilities; Photo 17. representatives of the modules participating in the scenario played (private source)



Photo 18. EUPCT meeting (Driver+ source)





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Driver + consortium shared a video of this event which is available here:
https://www.youtube.com/watch?time_continue=300&v=XFq2uyXDrIM&feature=emb_logo





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EASeR Final Conference 2019

The final conference was organised at Scientific and Research Centre of Fire Protection – National Research Institute in Józefów near Warsaw, beneficiary of the project (CNBOP-PIB) The final conference was held on 11th December 2019.

The Final Conference was mainly aimed at sharing and disseminating the main project products:

- Italian Standard Operating Procedures,
- International Standard Operating Procedures – Outline,
- Recommendations.

One of the aforementioned project products are the SOP-standard operation procedures developed by the consortium, which are an important tool for rescue services dealing with the subject of search and rescue.

Among various people who took part in conference were: former and active Polish USAR member teams : team leaders, liaison officers etc., representatives of scientific world, researchers, local authorities, members of City council, professional firefighters, volunteer firefighters, unmanned aerial vehicle operators, UAVO instructors, former representatives of uniform services, agencies (i.e. Police), performers of other European Union projects related with rescue topics, local scientific journal („Safety & Fire Technology”) representatives, specialists from CNBOP-PIB.

During numerous interactions with participants of both events, the possibilities offered by the FIRE-IN internet platform were presented and registration was encouraged.





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Photo 18. representation of FIRE-IN project interact with representation of EASeR project at the final conference (private source)



Photo 19 - participants of the final EASeR conference.





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Conference: Systems supporting the organization of rescue operations.

On July 3, a conference entitled: Systems supporting the organization of rescue operations was held. Among the speakers of the conference and participants were representatives of uniformed services such as the Fire Brigade, Medical Emergency Services, Specialist Rescue Units representatives of companies and producers offering technologies applicable in the broadly understood crisis management as well as representatives of scientific and research units. A representative of CNBOP-PIB during the speech and backstage talks encouraged to participate in the network of Fire-IN experts and practitioners. Official invitations to register and participate in the network were sent to the contacts acquired at the conference.



Photo 20. CNBOP-PIB representative reporting on the Fire-In project.

