



# LINKS

Strengthening links between technologies and society  
for European disaster resilience

## D7.7 FIRST REPORT ABOUT THE RELATION TO OTHER NETWORKS

Report

DIETER NUSSLER – FEDERATION OF EUROPEAN UNION FIRE OFFICER ASSOCIATIONS

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## EXECUTIVE SUMMARY

### About the project

LINKS “Strengthening links between technologies and society for European disaster resilience” is a comprehensive study on disaster governance in Europe. In recent years, social media and crowdsourcing (SMCS) have been integrated into crisis management for improved information gathering and collaboration across European communities. The effectiveness of SMCS on European disaster resilience, however, remains unclear, the use of SMCS in disasters in different ways and under diverse conditions. In this context, the overall objective of LINKS is to strengthen links between technologies and society for improved European disaster resilience, by producing sustainable advanced learning on the use of SMCS in disasters. This is done across three complementary knowledge domains:

- Disaster Risk Perception and Vulnerability (DRPV)
- Disaster Management Processes (DMP)
- Disaster Community Technologies (DCT)

Bringing together 15 partners and 2 associated partners across Europe (Belgium, Denmark, Germany, Italy, Luxembourg, the Netherlands) and beyond (Bosnia & Herzegovina, Japan), the project will develop a framework to understand, measure and govern SMCS for disasters. The LINKS Framework consolidates knowledge and experiences on the uses of SMCS into useful products for relevant stakeholders. It will be developed and evaluated through five practitioner-driven European cases, representing different disaster scenarios (earthquakes, flooding, industrial hazards, terrorism, drought), cutting across disaster management phases and diverse socioeconomic and cultural settings in four countries (Denmark, Germany, Italy, the Netherlands). Furthermore, LINKS sets out to create the LINKS Community, which brings together a wide variety of stakeholders, including first-responders, public authorities, civil society organizations, business communities, citizens, and researchers across Europe, dedicated to improving European disaster resilience through the use of SMCS.

### About this deliverable

The purpose of this deliverable is to report about the established relation to identified relevant and similar networks, institutions and communities which may become part of the LINKS Community until month 30.

This collection has been embedded in the LINKS Community Center (LCC) where in addition to a short description in-depth information about these entities is made available via the provided links to their websites, Facebook and Twitter accounts.

The related link is [https://links.communitycenter.eu/index.php/Overview\\_of\\_Networks](https://links.communitycenter.eu/index.php/Overview_of_Networks).

The networks, institutions and communities are categorized as those acting on an international scale – including the ongoing projects in the Disaster-Resilient Societies (DRS) clusters DRS01, DRS02 and the Prepare Cluster – and those active in the case countries.

While the international ones are meant as the main addressees for LINKS' dissemination, exploitation and communication activities, the national ones have been collected as support for the different case teams in their research activities in the LINKS cases.

The collection serves as a support tool for the Dissemination, Exploitation and Communication activities of the LINKS consortium. Furthermore, some of the entities could also be invited to participate in research.

The inclusion of the collection into the LCC is also meant as a service for the LINKS Community when considering the relation to other actors in the Disaster Management arena when developing their own Social Media Strategy.

After an explanation of the purpose and methodological approach used in the collection of the networks, institutions and communities the current contacts established with these entities by the consortium members are described.

Finally, an outlook is given for the further use of the "Collection of Networks".

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## LIST OF ACRONYMS

Abbreviation / Acronym	Description
D	Deliverable
DCT	Disaster Community Technology
DEC	Dissemination, Exploitation and Communication
DG	General Directorate of the European Commission
DMP	Disaster Management Process
DoA	Description of Action – Annex to the Grant Agreement
DRPV	Disaster Risk Perception and Vulnerability
DRS	Disaster Resilient Societies
LAC	LINKS Advisory Committee
LCC	LINKS Community Center
LCW	LINKS Community Workshop
SMCS	Social Media and Crowdsourcing
VOST	Virtual Operations Support Team
WP	Work Package



## DEFINITION OF KEY TERMS<sup>1</sup>

Term	Definition
LINKS Advisory Committee	Invited professionals and experts from relevant organizations (representing practitioners, researchers, and citizens) that advise, inform and validate developments and results in the project.
LINKS Community	A sustainable stakeholder community consisting of multidisciplinary stakeholders from several countries, professions and schools of thought. The main stakeholders involved in the LINKS Community are: practitioners, industry, decision makers, researchers and networks (the scientific community), citizens and civil society.
LINKS Community Center	The LCC brings together different stakeholders (LINKS Community) in one user-friendly and flexible web-platform and enables them to exchange knowledge and experiences and to access, discuss and assess learning materials on the usage of SMCS in disasters.
LINKS Community Workshops	Workshops for capacity-building at the local level, organized locally by the LINKS project partners and linked to the five pre-defined case studies (earthquake in Italy, industrial disasters in the Netherlands, drought in Germany, flooding in Denmark and terrorism in Germany). They are crucial for gathering and communicating information regarding the project's objectives and requirements, and for exchanging best practices among local stakeholders on the use of SMCS in disasters.
Social Media	A group of Internet-based applications that build on the ideological and technological foundations of the Web 2.0 and that allow the creation and exchange of user-generated content. Forms of media that allow people to communicate and share information using the internet or mobile phones. Web 2.0 is the Internet we are familiar with today in which people are not just consumers of information but producers of knowledge through social networking sites and services like Facebook, Twitter, and Instagram
Vulnerable Groups	Those groups that due to physical, social, economic, and environmental factors or processes, are more exposed and susceptible to the impacts of hazards.

<sup>1</sup> Definitions are retrieved from the LINKS Glossary at <https://links-project.eu/glossary/>

## 1. INTRODUCTION

### 1.1 Purpose of the first report

The purpose of this deliverable is to report about the collection and the established relation of similar and relevant networks, institutions and communities for LINKS in month 30.

In the context of this deliverable the generic term “Network” has been expanded to allow addressing all the target audiences of LINKS as follows:

- **Institutions** can be considered as institutional networks<sup>2</sup> if they are members of a network that aims to promote cooperation and exchange among its partners on various topics of common interest. The European Commission for example is an institution of the European Union.
- **Communities** can be considered as personal networks<sup>3</sup> if composed of people who share some common interests, values, or goals and who communicate regularly with each other. Various examples can be found in the Civil Society, e.g. Virtual Operation Support Teams (VOST).
- **Relevant networks, institutions and communities** are those which could disseminate the project’s results and/or allow at a later stage the identification of similar areas of interest and common goals. It is foreseen based on this, to establish integration points on a conceptual level and to identify and use potential synergies.
- **Similar networks, institutions and communities** are those similar to the planned LINKS Community, namely entities of individuals with expertise in Disaster Management who share a similar interest in the use of Social Media and Crowdsourcing (SMCS). These could become a heterogenous community of practitioners, researchers, policy makers, as well as representatives from businesses and civil society.

In month 10, a completion of a list of similar networks mentioned in the Description of Action (DoA) started and was continuously extended.

For target groups defined in D8.1 (Philpot, J. & Reuge, E.; 2020) and slightly amended in D9.4 (Opromolla, A., Jagarnathsingh, A.; 2021) a distinction is made between networks working on an European scale and those which are predominantly acting on a national scale in the 4 “case-countries” Denmark, Germany, Italy, and The Netherlands.

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<sup>2</sup> Institutional networks are considered as a partnership network that is composed of universities or other institutions from different countries or regions that collaborate on academic, research, or social issues.

<sup>3</sup> Personal networks are networks of individuals who have personal relationships with each other, such as friends, family, neighbors, colleagues, etc.



Having in mind the different types of large-scale incidents requiring scenario specific specialized intervention forces, a sub-division of the **practitioners'** networks, institutions and communities from police, fire brigade, emergency medical services, various types of technical rescue, and NGOs involved in disaster management is considered helpful for reaching out to them when their expertise is required by the different cases.



Besides the European and some national researchers' networks, institutions and communities, also ongoing EU research projects dealing with Disaster Management in a broader sense are considered useful for the identification of relevant **developers'** networks and representatives.



In addition to the relevant European directorates (DGs) the different administrative levels of public authorities in the 4 'case-countries' are identified as **policy and decision makers** and potential addressees of the project results, because of their role in the disaster management process. Civil protection units have a double role, namely practitioner and policy and decision maker.



Besides SMEs providing Information Technology solutions, insurance companies and critical infrastructure companies, which are often vulnerable to the effects of disasters, are relevant for the collected **businesses** networks, institutions and communities.



In the **civil society** networks and communities special attention is given to those vulnerable groups with communication difficulties, e.g., people with visual or hearing impairment. Religious minorities are mentioned too, which are at risk to become a target for terrorist attacks (German case). But also, the digital volunteers are considered as they could give valuable support in crisis situations.



While several print media providing information about disaster management and/or civil protection are available, one can hardly find **disseminators** networks with such a focus. Nevertheless, the resources listed in this sub-section could become important for LINKS' dissemination activities once the LINKS products have reached full maturity in 2023.

**Figure 1: Visual identity of the LINKS networks, institutions and communities**



After identifying similar or relevant networks, institutions and communities, the information was embedded in the LCC to allow consortium members (and all other interested people) a more comfortable access to that information than this could be done via a spreadsheet. The collection can be accessed via the link [https://links.communitycenter.eu/index.php/Overview\\_of\\_Networks](https://links.communitycenter.eu/index.php/Overview_of_Networks).

**Figure 2: Landing page of the LINKS Community Center**



When using the Collection of Networks, one should be aware that the cooperation may have different intentions, e.g. addressing of other communities to evaluate the LINKS Framework or to promote the research results of LINKS to a wider audience.

**Figure 3: Landing page of the Collection of Networks**



## Collection of Networks

The project's acronym LINKS suggests that the project is about developing links to various stakeholders, including other projects, networks and communities engaged in the disaster management arena.

The following sections provide an overview of networks and interest groups which could be relevant in the context of social media in disaster management, or at least be interested in the further use of Social Media in their communication strategy.

### Networks of practitioners

- [International networks of practitioners](#)
- [Danish networks of practitioners](#)
- [Dutch networks of practitioners](#)
- [German networks of practitioners](#)
- [Italian networks of practitioners](#)

### Networks of policy- & decision-makers

- [International networks of policy and decision makers](#)
- [Danish networks of policy and decision makers](#)
- [Dutch networks of policy and decision makers](#)
- [German networks of policy and decision makers](#)
- [Italian networks of policy and decision makers](#)

### Networks of researchers

- [International networks of researchers](#)
- [European Research Projects on Disaster Resilient Societies](#)
- [Danish networks of researchers](#)
- [Dutch networks of researchers](#)
- [German networks of researchers](#)
- [Italian networks of researchers](#)

### Networks of civil society (citizens)

- [International networks of citizens](#)
- [Danish networks of citizens](#)
- [Dutch networks of citizens](#)
- [German networks of citizens](#)
- [Italian networks of citizens](#)

While building the LINKS Community is the main purpose of the collection of networks, institutions and communities, the national networks collection also intends

- to support the research and dissemination, exploitation, and communication (DEC) activities in the 5 cases and,
- for external users of the LCC in the case countries, to consider networks, institutions and communities which may be important for an effective communication strategy for different crisis scenarios.

Additionally, this information will be included in Task 7.4 and in the quality assurance methodology as well as the community building strategy.

## 1.2 Reading guide

The status of the established contacts is represented in tables either

- by specific profession for the international networks, institutions and communities
  - for example, fire service, disaster management, crisis management etc.,
- by LINKS' target audience for the national networks, institutions and communities
  - for example, practitioner, researcher, civil society, etc.

The contacts are categorized as follows

- INFORMED
  - networks, institutions and communities to which the LINKS project and results have been communicated and disseminated to, but who do not currently have an active role in the project. This could be via social media coms, or the newsletter, media entities, etc.
- PARTICIPATED
  - networks, institutions and communities that have been invited to participate to in research activities in the project during this period, for informing and validating the project results. This could be as participants in interviews, surveys, LINKS Community Workshops (and other workshops), focus groups or other research activities.
- EXPLOITING
  - networks, institutions and communities which are currently exploiting or expected to exploit the project results

Finally, the column COMMENT includes a short description of the activity and/or reason for contacting the networks, institutions and communities.

**Table 1: Layout of the networks, institutions and communities contact tables**

NETWORK TYPE	I	P	E	COMMENT
<b>Type 1</b>	1			Informed about the project
<b>Type 2</b>		1		Invited to participate in research activities
<b>Type 3</b>			1	Contact for exploitation

For getting an overview which networks, institutions and communities have been contacted by which partner a spreadsheet has been used in which each partner listed the categorized purpose of the contacts; in the annex the results are listed. For better clarity, the data obtained have been condensed in the main text of this report.

As already stated, this deliverable reports about the current relation to relevant and similar networks, institutions and communities to LINKS.

To reach this, this report is structured as follows:

- Section 2 deals with relevant international networks, institutions and communities. The numbers in the tables indicate how many of these listed in the Links Community Center have been contacted.
  - The practitioner networks are considered as those which could take the most advantage of the results and recommendations of the LINKS projects.
- Section 3 deals with relevant national networks, institutions and communities. This collection is mainly meant as support for the case teams, who will benefit from the contacts in the network when carrying out their DEC and research activities.
  - Furthermore, the national collection is also meant as a tool for further external users of LINKS. When drafting their own SMCS strategies in the case countries they would have to consider all actors in the crisis management arena which may be actively using Social Media
- Section 4 deals with the activities undertaken with similar projects working together in Horizon 2020 project clusters, namely through activities under WP1 and WP9.
- Section 5 summarizes the current results of Task 7.5. and describes the future steps needed to enhance the contact and feedback from networks, institutions and communities.

## 2. NETWORKS, INSTITUTIONS AND COMMUNITIES ACTING ON AN INTERNATIONAL SCALE

It is considered sufficiently informative for this report that the international contacts reported are presented in an aggregated form; the initial data are shown in the Annex (Section 7)

### 2.1 Practitioner networks, institutions and communities



Having in mind the different types of large-scale incidents requiring scenario specific specialized intervention forces a sub-division of the practitioner networks was done.

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 2: International practitioner networks, institutions and communities contact overview**

NETWORK TYPE	I	P	E	COMMENT
<b>Fire and Rescue Services</b>	6	1	3	Informed and invited to participate in research activities Some positive feedback received to present LINKS at conferences/meetings in 2023
<b>Medical Emergency Response &amp; Ambulance services</b>	2	1		Informed and invited to participate in research activities
<b>Disaster Management</b>	3	2	2	1 associated partner is regularly informed 1 represented in the LINKS Advisory Committee
<b>Water and Sea Rescue</b>	1			Contact on the LINKS official communication channels
<b>Police</b>	2		1	Contact on the LINKS official communication channels DHPol is German national contact



## 2.2 Researcher networks, institutions and communities



In this sub-section one can find networks of individual developers, universities and academic groups working on different aspects of disaster management

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 3: International developer networks, institutions and communities contact overview**

NETWORK TYPE	I	P	E	COMMENT
<b>Crisis management</b>	5	1	2	Contact on the LINKS official communication channels Active participation in events organized by CERIS and CMINE CMINE platform used for dissemination of LINKS results Informed and invited to participate in research activities
<b>Natural hazards</b>	4		2	Contact on the LINKS official communication channels
<b>Information and Communication Technologies</b>	2		1	Contact on the LINKS official communication channels Active participation in events organized by EGU (European Geosciences Union Natural Hazards Division) and EUGEO (Association of Geographical Societies in Europe)
<b>Miscellaneous</b>	3		1	Contact on the LINKS official communication channels Participation in events organized by PSCE (Public Safety Communications Europe Forum) and EENA (European Number Association's Network of researchers)

## 2.3 Policy and decision maker networks, institutions and communities



Concerning this target group working on international scale as potential addressees of the project results the focus is on entities working on or interested in different aspects of disaster management.

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/International_networks_of_policy_and_decision_makers)

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 4: International policy and decision makers networks, institutions and communities contact overview**

NETWORK TYPE	I	P	E	COMMENT
<b>Crisis management</b>	2	1	1	Contact on the LINKS official communication channels Informed and invited to participate in research activities Disaster Risk Management Knowledge Centre (DRMKC) platform used for dissemination of LINKS results
<b>Security</b>	2			Contact on the LINKS official communication channels
<b>Information and Communication Technologies</b>	2	1		Contact on the LINKS official communication channels Informed and invited to participate in research activities
<b>Resilience</b>	3			Contact on the LINKS official communication channels
<b>Citizenship</b>	1		3	Participation in past/future LINKS events (e.g., NEEDS panel). CoE (Council of Europe) and CoR (Committee of Regions) could be relevant for exploitation

## 2.4 Businesses networks, institutions and communities



Concerning this target group working on international scale as potential addressees of the project results the focus is on entities working on or interested in different aspects of disaster management.

Digitization plays an important role in the current further development of disaster management organizations (DMOs). IT solutions providers are very much interested in their specific needs especially in the response phase.

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/International_networks_of_businesses)

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 5: International businesses networks, institutions and communities contact overview**

NETWORK TYPE	I	p	E	COMMENT
<b>Information and Communication Technologies</b>	3	1	1	Contact on the LINKS official communication channels Presentation at EENA Conference 2022
<b>Critical Infrastructure</b>	2			Contact on the LINKS official communication channels
<b>Security and Safety</b>	2	1	1	<i>1 Partner in LINKS</i> DRS coordination and planning across cluster

## 2.5 Civil Society networks and communities

- The increased information flow through the various social media channels results in an increased challenge for the Disaster Management Organizations (DMO) to get a situational picture during a disaster. Information provided by Civil Society networks can provide valuable input.
  - The needs of vulnerable groups are very seldom considered by DMOs in their Social Media Strategy.
  - There are very promising Citizens and Science initiatives underway which take advantage of the information gathered from the crowd.
  - Digital volunteers will become a very important support for DMOs handling this information. They can help manage the challenge of information overload and take advantage of the available information, especially pictures and videos from the incident sites.



The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/International_networks_of_citizens)

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 6: International Civil Society networks and communities contact overview**

NETWORK TYPE	I	P	E	COMMENT
<b>Vulnerable groups</b>	6			Contact on the LINKS official communication channels
<b>The Old and The Young</b>	1			Italian member of Safe the Children is LINKS partner
<b>Citizens and Science</b>	2			Contact on the LINKS official communication channels
<b>Digital volunteers</b>	2	1	1	1 Represented in LINKS Advisory Committee Contact on the LINKS official communication channels Informed and invited to participate in research activities
<b>Disaster reduction</b>	1			Contact on the LINKS official communication channels

## 2.6 Disseminators



While several print media providing information about disaster management and/or civil protection are available one can hardly find disseminators networks with such a focus. Nevertheless, the resources listed in this sub-section could become important for LINKS' dissemination activities once the LINKS products have reached a full maturity level in 2023.

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC as follows and can be accessed via the links

- [https://links.communitycenter.eu/index.php/Media\\_Associations](https://links.communitycenter.eu/index.php/Media_Associations)
- [https://links.communitycenter.eu/index.php/Magazines %26 newspapers](https://links.communitycenter.eu/index.php/Magazines_%26_newspapers)
- [https://links.communitycenter.eu/index.php/Radio %26 TV](https://links.communitycenter.eu/index.php/Radio_%26_TV)

In the table an overview is given of the status (month 30) of the number of entities contacted by the LINKS consortium

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 7: : International disseminators contact overview**

NETWORK TYPE	I	P	E	COMMENT
<b>Associations</b>	3			Contact on the LINKS official communication channels 1 Represented in LINKS Advisory Committee
<b>Magazines &amp; Newspapers</b>	4	1	2	Contact on the LINKS official communication channels Potential publishers of LINKS' articles on results Informed and invited to participate in research activities

## 2.7 Takeaways from the collection of international networks, institutions and communities

- 79 networks, institutions and communities representing the target groups of the LINKS project are listed in the LINKS Community Center
- First contacts have been established with 64 of them
- Some research cooperation has started
- Feedback received from the networks shows, that LINKS' products are considered useful and interesting

### 3. NETWORKS, INSTITUTIONS AND COMMUNITIES ACTING ON A NATIONAL SCALE

As already stated, networks acting on a national scale have been collected as support for the different case teams in their activities in the LINKS cases. Not all networks identified have been contacted by the case teams already but may become relevant in the final phase of the project. It is considered sufficiently informative for this report that the national contacts reported are presented in an aggregated form; the initial data are shown in the Annex (Section 7.2)

Note:

The collection of national media is exemplary and limited to some examples and contacts are few or not yet established in the case countries

#### 3.1 Denmark

In this section an overview is given of the status (month 30) of the number of entities contacted by the Danish consortium partners as far as these were considered relevant for the case

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 8: Danish networks, institutions and communities contact overview**

TARGET AUDIENCE	I	P	E	COMMENT
<b>Practitioners</b>	6	4	6	Informed and invited to participate in research activities
<b>Policy and Decision Makers</b>	4	1	2	Informed and invited to participate in research activities Exploitation planned in 2023
<b>Businesses</b>	3		2	Informed about the project Exploitation planned in 2023
<b>Disseminators</b>	3			Contacts with 2 regional TV and radio stations and a local newspaper

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Danish\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Danish_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Danish_networks_of_researchers)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Danish_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Danish_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/Danish_networks_of_citizens)

## 3.2 Germany

In this section an overview is given of the status (month 30) of the number of entities contacted by the German consortium partners as far as these were considered relevant for the case studies

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 9: German networks, institutions and communities contact overview**

TARGET AUDIENCE	I	P	E	COMMENT
<b>Practitioners</b>	15	15	2	1 Represented in LINKS Advisory Committee Informed and invited to participate in research activities Presentation accepted at vfdb conference 2023
<b>Developers</b>	7	7	6	2 Partners in LINKS and 2 represented in LINKS Advisory Committee Informed and invited to participate in research activities
<b>Policy and Decision Makers</b>	5	5	1	Informed and invited to participate in research activities
<b>Businesses</b>	1	1	1	1 SME Represented in LINKS Advisory Committee
<b>Civil Society</b>	7	7	1	1 Represented in LINKS Advisory Committee Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_German\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_German_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/German_networks_of_researchers)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/German_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/German_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/German_networks_of_citizens)
-



### 3.3 Italy

In this section an overview is given of the status (month 30) of the number of entities contacted by the Italian consortium partners as far as these were considered relevant for the case study

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 10: Italian networks, institutions and communities contact overview**

TARGET AUDIENCE	I	P	E	COMMENT
<b>Practitioners</b>	2	2	1	1 Represented in LINKS Advisory Committee Informed and invited to participate in research activities
<b>Developers</b>	3	3	3	2 Partners in LINKS 1 Represented in LINKS Advisory Committee Informed and invited to participate in research activities
<b>Policy and Decision Makers</b>	5	5	1	1 Partner in LINKS Informed and invited to participate in research activities
<b>Civil Society</b>	3	3	1	1 Partner in LINKS Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Italian\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Italian_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Italian_networks_of_researchers)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Italian_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Italian_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/Italian_networks_of_citizens)

## 3.4 Netherlands

In this section an overview is given of the status (month 30) of the number of entities contacted by the Dutch consortium partners as far as these were considered relevant for the case study

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 11: Dutch networks, institutions and communities contact overview**

TARGET AUDIENCE	I	P	E	COMMENT
<b>Practitioners</b>	3	3	2	Informed and invited to participate in research activities Presentation of app to coordinate volunteers
<b>Developers</b>	2	2	1	Informed and invited to participate in research activities
<b>Policy and Decision Makers</b>	3	3		Informed and invited to participate in research activities
<b>Businesses</b>	5	5	1	Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Dutch\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Dutch_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Dutch_networks_of_researchers)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Dutch_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Dutch_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/Dutch_networks_of_citizens)

### 3.5 Takeaways from the collection of national networks, institutions and communities

- Various national networks, institutions and communities representing the target groups of the LINKS project are listed as support for the Case Teams
- First contacts to some of them have been established when needed for the further development of the case studies by the Case Teams
- Dissemination activities have started
- Feedback from the networks actively involved is positive
- External users have not yet used the Collection of Networks for the development of an own Social Media Strategy

## 4. EU-PROJECTS RELEVANT FOR LINKS

Relevant projects are those which could disseminate the project's results and/or to allow at a later stage to identify similar areas of interest and common goals. It is foreseen based on this, to establish integration points on a conceptual level and to identify and use potential synergies.

Obviously other ongoing projects belonging to the same cluster are interesting and links are already established and listed in the LCC:

[https://links.communitycenter.eu/index.php?title=European Research Projects on Disaster Resilient Societies](https://links.communitycenter.eu/index.php?title=European_Research_Projects_on_Disaster_Resilient_Societies)

Other projects dealing with disaster technology or strategies for handling pandemics could be very interesting for some members of the Links Community while others may mainly be interested in projects dealing with the social-cultural aspects.

As the contact with cluster projects are managed by the lead of WP1 and WP9 the approach of activity reporting with the contact tables is not meaningful.

### 4.1 DRS-01 Cluster

DRS-01 Cluster is the group of projects funded under Horizon 2020 - Call DRS (Disaster Resilience Societies) 01, which have in common the focus on secure societies, and in particular on the human factors, and social, societal, and organizational aspects of disaster-resilient societies. To create a more sustainable and bigger impact, the projects decided to share their ideas, results, lessons learned and progress. Furthermore, they were able to form working groups on different cross-cutting topics, up to in the next future, and prepare policy recommendations. These objectives are of such paramount importance that the DRS-01 Cluster is endorsed by REA.

Besides LINKS, the other EU projects part of the Cluster are:

- BUILDERS (Building European Communities' Resilience and Social Capital)
- CORE (Science& Human Factor for Resilient Society)
- ENGAGE (Engage Society for Risk Awareness and Resilience)
- RESILOC (Resilient Europe and Societies by Innovating Local Communities)
- RISKPACC (Risk Perception Action Gap)

Many dissemination and communication activities have been conducted by this Cluster.

Among them:

- joint participation to the International Day of Disaster Risk Reduction 2020 and 2021 through a joint social media campaign;
- joint organization of the 1st DRS-01 Cluster Mini-Conference (4 February 2021);
- joint participation to the European Forum for Disaster Risk Reduction 2021, organized by the United Nations for Disaster Risk Reduction in November 2021 in the session "Strengthening

- disaster risk governance at local level: enhancing information exchanges through new technologies and assessment models”;
- joint participation to the event organized by CERIS (Community of European Research and Innovation for Security) in March 2022.

## 4.2 DRS-02 CLUSTER

The DRS02 Cluster is a group of projects funded by the Horizon 2020 programme of the European Union under the topic SU-DRS02-2018-2019-2020 – Technologies for first responders. These projects are focused on the needs of Fire & Rescue Services, an important target audience for LINKS, but are not connected with the LINKS project. Nevertheless, they have been collected and included in the LINKS community center because they are considered as similar networks and could be motivated to become active LINKS community members in the future.

At the current maturity of LINKS' products, direct contacts to the DRS-02 cluster projects were not considered as purposeful and were limited to the CERIS events.

## 4.3 Cluster PREPARE

Most of the projects working together in the cluster PREPARE (PREparedness and resPonse for emergency situAtions in euRopE) are addressing the needs of the Health Sector in the light of managing the COVID-19 pandemic. Like LINKS they are looking at crisis management having their focus on the preparedness and response phases. Through mutual support, the cluster is aiming at strengthening the response to the ongoing crisis and be better prepared for future health crises. LINKS attended some of the cluster meetings.

## 4.4 Takeaways from the cooperation with other EU-projects

- Various cooperation activities have been performed in the DRS-01 cluster
- Projects of the DRS-02 cluster are considered as a source of valuable information for the Fire & Rescue Services
- The PREPARE cluster will give insight in crisis management activities necessary to strengthen the response to a health crisis

## 5. CONCLUSION AND FURTHER INTERACTION WITH NETWORKS, INSTITUTIONS AND COMMUNITIES

The present deliverable reports on the established relations with relevant networks, institutions and communities on international level. For the four case countries Denmark, Germany, Italy and Netherlands a similar collection has been done to support the case teams which have used it to a certain extent.

The number of contacts for information about the project, inclusion into the ongoing research activities or the exploitation of results represent the established relations in month 30 of the project.

Next, all the relevant networks, institutions and communities which have shown interest will be contacted and informed about the products developed in LINKS which have a full maturity level.

We expect that similar areas of interest and common goals can be identified. Based on this, hopefully integration points on a conceptual level will be established to identify and use potential synergies.

The results of the achievements will be reported in deliverable D7.8 due in November 2023.

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Retrieved from <http://links-project.eu/deliverables/>

## 7. ANNEX

### 7.1 International networks, institutions and communities contact tables

#### 7.1.1 Practitioner networks, institutions and communities



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30  
(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/List\\_of\\_International\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_International_Practitioner_Networks)

**Table 12: International practitioner networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Fire and rescue services</b>	FEU Federation of European fire officers	1	1	1	LINKS partner
	CTIF International Association of Fire & Rescue Services	2			Contact via email asking for further explanation of LINKS at a gathering
	EFSA European Fire Safety Alliance	1			Focus is on fire prevention, not on Crisis Management
	JOIFF International Organization for Industrial Emergency Services Management	2		1	Contact via email accepted giving a paper at conference in March 2023
	EØA European Fire Academy	1		1	Contact via email accepted giving a paper at next round table in 2023
	EFSCA European Fire Service Colleges' Association	1			Contact via email and online meeting



TYPE	NETWORK	I	P	E	COMMENT
<b>Medical Emergency Response &amp; Ambulance services</b>	ICRC International Committee of Red Cross	1			Contact on the LINKS official communication channels
	Project HOPE People to people health foundation	2	1		Contact on the LINKS official communication channels Informed and invited to participate in research activities
<b>Disaster Management</b>	GDPC Global Disaster Preparedness Center	1			Contact on the LINKS official communication channels
	DPPI SEE Disaster Preparedness and Prevention Initiative	1	1	1	LINKS associated partner
	ESSN - Emergency Services Staff Network	1	1	1	Represented in the LINKS Advisory Committee
<b>Water and Sea rescue</b>	IMRF International Maritime Rescue Federation	1			Contact on the LINKS official communication channels
<b>Police</b>	CEPOL College Europeen de Police	2		1	Contact on the LINKS official communication channels DHPol is German member
	INTERPOL International Criminal Police Organization	1			Contact on the LINKS official communication channels

## 7.1.2 Developer networks, institutions and communities



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 (Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_researchers\\_on\\_crisis\\_management](https://links.communitycenter.eu/index.php/International_networks_of_researchers_on_crisis_management)

**Table 13: International developer networks, institutions and communities contact details**

FOCUS	NETWORK	I	P	E	COMMENT
<b>Crisis management</b>	CERIS Community of European Research and Innovation for Security	3		2	Contact on the LINKS official communication channels + active participation in events organized by CERIS
	CMINE Crisis Management Innovation Management Europe	3	2	3	Contact on the LINKS official communication channels + use of their platform to disseminate LINKS results and events. Informed and invited to participate in research activities
	IDRIM International Society for Integrated Disaster Risk Management	1			Contact on the LINKS official communication channels
	EJRC Joint Research Centre	1			Contact on the LINKS official communication channels
	ICRCC International Crisis and Risk Communication Conference	1			Contact on the LINKS official communication channels

FOCUS	NETWORK	I	P	E	COMMENT
<b>Natural Hazards</b>	CRED Centre for Research on the Epidemiology of Disasters	1			Contact on the LINKS official communication channels + active participation in events organized by them
	EEA European Environment Agency	1			Contact on the LINKS official communication channels
	EGU European Geosciences Union	1		1	Contact on the LINKS official communication channels + active participation in events organized by them
	EUGEO Association of Geographical Societies in Europe	1		1	Contact on the LINKS official communication channels + active participation in events organized by them
<b>Information and Communication Technologies</b>	ISCRAM Information Systems for Crisis Response and Management	3		1	Contact on the LINKS official communication channels SIC published a paper at ISCRAM 2022
	ACM Association for Computing Machinery	1			Contact on the LINKS official communication channels
<b>Miscellaneous</b>	PSCE Public Safety Communications Europe Forum	1			Contact established at CERIS events
	EENA- European Emergency Number Association Researchers	2	1	2	Contact established at EENA events Informed and invited to participate in research activities
	QUORA Question-and-answers network	1			Contact on the LINKS official communication channels

### 7.1.3 Policy and decision maker networks, institutions and communities



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 (Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/International_networks_of_policy_and_decision_makers)

**Table 14: International policy and decision maker networks, institutions and communities contact details**

FOCUS	NETWORK	I	P	E	COMMENT
<b>Crisis management</b>	CPKN Civil Protection Knowledge Network DG Echo	2	1	1	Contact on the LINKS official communication channels + use of their platform to disseminate LINKS results Informed and invited to participate in research activities
	DRMKC Disaster Risk Management Knowledge Centre	1		1	Contact on the LINKS official communication channels + use of their platform to disseminate LINKS results
<b>Security</b>	EUROPOL European Union Agency for Law Enforcement Cooperation	1			Contact on the LINKS official communication channels
	EUISS European Union Institute for Security Studies	1			Contact on the LINKS official communication channels
<b>Information and Communication Technologies</b>	ENISA European Union Agency for Cybersecurity	1			Contact on the LINKS official communication channels
	Major Cities of Europe IT User Group	1	1		Informed and invited to participate in research activities

FOCUS	NETWORK	I	P	E	COMMENT
<b>Resilience</b>	UCLG United Cities of Local Governments	1			Contact on the LINKS official communication channels
	Resilience Cities Network	1			Contact on the LINKS official communication channels Outputs from the network is used (Resilience Wheel)
	CDRI Coalition for Disaster Resilient Infrastructure	1			Contact on the LINKS official communication channels
<b>Citizenship</b>	CEMR / CCRE Council of European Municipalities and Regions			1	Could be relevant for exploitation of results.
	CoE Council of Europe	1		1	Participation in past/future LINKS events (e.g., NEEDS panel). Could be relevant for exploitation of results especially related to education
	CoR Committee of Regions			1	Could be relevant for exploitation of results

### 7.1.4 Businesses networks, institutions and communities



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 (Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/International_networks_of_businesses)

**Table 15: International businesses networks, institutions and communities contact details**

TYPE	NETWORK ACRONYM	I	P	E	COMMENT
<b>Information and Communication Technologies</b>	ACM Association for Computing Machinery	1			Contact on the LINKS official communication channels
	PEMEA Pan-European Mobile Emergency Application Consortium	1			Contact on the LINKS official communication channels
	EENA European Emergency Number Association IT solution providers	3	1	2	Contact on the LINKS official communication channels + participation in EENA events. SIC presented LINKS at the EENA Conference
<b>Critical Infrastructure</b>	UIC International Union of Railways	1			Contact on the LINKS official communication channels
	UITP Union Internationale des Transports Publics	1			Contact on the LINKS official communication channels
<b>Security &amp; Safety</b>	RAN Resilience Advisors Network	2		1	Meetings with SIC and RAN took place to discuss and elaborate on technical collaboration and personal contacts at conferences CERIS and other Events/Panel promotion DRS coordination and planning across cluster. Will be involved in promotion of LINKS Final Conference. Members can exploit LINKS results.

## 7.1.5 Civil Society networks and communities



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30  
(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the link [https://links.communitycenter.eu/index.php/International\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/International_networks_of_citizens)

**Table 16: International Civil Society networks and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Vulnerable people</b>	EDF European Disability Forum	1			Contact on the LINKS official communication channels
	DCDD Dutch Coalition on Disability and Development	1			Contact on the LINKS official communication channels
	EUD European Union of the Deaf	1			Contact on the LINKS official communication channels
	EFHOH European Federation of Hard of Hearing People	1			Contact on the LINKS official communication channels
	EBU European Blind Union	1			Contact on the LINKS official communication channels
	ASHA American Speech-Language-Hearing Association	1			Contact on the LINKS official communication channels

TYPE	NETWORK	I	P	E	COMMENT
<b>Citizens and Science</b>	CSA Citizen Science Association	1			Contact on the LINKS official communication channels
	ECSA European Citizen Science Association	1			Contact on the LINKS official communication channels
<b>Digital volunteers</b>	Crisis Mappers Net	1			Contact on the LINKS official communication channels
	VOST Europe	3	2	1	Represented in the LINKS Advisory Committee Contact on the LINKS official communication channels Informed and invited to participate in research activities
<b>Disaster reduction</b>	GNDR Global Network of Civil Society Organisations for Disaster Reduction	1			Contact on the LINKS official communication channels



## 7.1.6 Disseminators



In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30  
(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC as follows and can be accessed via the links:

- Associations
  - o [https://links.communitycenter.eu/index.php/Media\\_Associations](https://links.communitycenter.eu/index.php/Media_Associations)
- Newspapers
  - o [https://links.communitycenter.eu/index.php/Magazines\\_%26\\_newspapers](https://links.communitycenter.eu/index.php/Magazines_%26_newspapers)
- and Radio & TV
  - o [https://links.communitycenter.eu/index.php/Radio\\_%26\\_TV](https://links.communitycenter.eu/index.php/Radio_%26_TV)

**Table 17: International disseminators networks contact details**

Type	NETWORK	I	P	E	COMMENT
<b>Associations</b>	INMA International News Media Association	1			Contact on the LINKS official communication channels
	EJC European Journalism Centre	1			Contact on the LINKS official communication channels
	DataJournalism.com	1			Contact on the LINKS official communication channels
<b>Magazines &amp; Newspapers</b>	CRJ Crisis Response Journal	1	1	1	Represented in the LINKS Advisory Committee
	EMJ Emergency Medicine Journal	1			Contact on the LINKS official communication channels
	IJDRR International Journal of Disaster Risk Reduction	1		1	Contact on the LINKS official communication channels Potential publishers of LINKS' articles on results
	CIWEM Journal of Flood Risk Management	1			Contact on the LINKS official communication channels

## 7.2 National networks, institutions and communities contact tables

### 7.2.1 Denmark

In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 as far as these were considered relevant for the case study

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 18: Danish practitioner and developer networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT <sup>4</sup>
<b>Practitioner</b>					
<b>Medical Emergency Response &amp; Ambulance services</b>	Røde Kors	1	1	1	Informed and invited to participate in research activities
	Capital Region of Denmark, Prehospital Unit	1	1	1	Informed and invited to participate in research activities
<b>Crisis Management</b>	DEMA Danish Emergency Management Agency	2	1	1	Informed and invited to participate in research activities
<b>Police</b>	Politi	2		1	Informed about the project
	Copenhagen Police	1		1	Informed about the project
<b>Developer</b>					
<b>Natural Hazards</b>	DMI Danmarks Meteorologiske Institut	1		1	Informed about the project

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Danish\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Danish_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Danish_networks_of_researchers)

<sup>4</sup> The Danish partners did not provide any comments because of privacy concerns

**Table 19: Danish policy and decision maker and business networks, institutions and communities and disseminators contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Policy and Decision makers</b>					
<b>Crisis Management</b>	DEMA Danish Emergency Management Agency	1		1	Informed about the project
<b>Public Administration</b>	KL Local Government Denmark	1			Informed about the project
	Sundhedsstyrelsen Danish Health Authority	1			Informed about the project
<b>Businesses</b>					
<b>Critical Infrastructure</b>	Trafikstyrelsen	1		1	Informed about the project
	HOFOR Greater Copenhagen Utility	2			Informed about the project
	Frederiksberg Forsyning Frederiksberg utility company	3		1	Informed about the project
<b>Disseminators</b>					
<b>Magazines &amp; Newspapers</b>	Frederiksberg LIV Local newspaper	1			Informed about the project
<b>Radio &amp; TV</b>	TV2 Lorry Regional TV station	1			Informed about the project
	DR P4 Regional Radio Broadcast	1			Informed about the project

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Danish_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Danish_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/Danish\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/Danish_networks_of_citizens)

## 7.2.2 Germany

In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 as far as these were considered relevant for the case studies

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 20: German practitioner networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Practitioner</b>					
<b>Fire and rescue services</b>	vfdb Vereinigung zur Förderung des deutschen Brandschutzes	1	1	1	Represented in the LINKS Advisory Committee Presentation at conference 2023
	AGBF Arbeitsgemeinschaft der Leiter der Berufsfeuerwehren	2	1		Informed and invited to participate in research activities
	DFV Deutscher Feuerwehrverband	1	1		Informed and invited to participate in research activities
	Netzwerk Berufsfeuerwehr	2	2		Informed and invited to participate in research activities
	VdF NW Verband der Feuerwehren Nordrhein-Westfalen	1	1		Informed and invited to participate in research activities
<b>Medical Emergency Response &amp; Ambulance services</b>	DRK Deutsches Rotes Kreuz	1	1		Informed and invited to participate in research activities
	BRK Bayerisches Rotes Kreuz	1	1		Informed and invited to participate in research activities
	ASB Arbeiter-Samariter Bund	1	1		Informed and invited to participate in research activities
	MHD Malteser Hilfsdienst	1	1		Informed and invited to participate in research activities
	JUH Die Johanniter	1	1		Informed and invited to participate in research activities

TYPE	NETWORK	I	P	E	COMMENT
<b>Civil protection forces</b>	THW Technisches Hilfswerk	2	2	1	Informed and invited to participate in research activities Presentation at vfdb conference 2023
<b>Police</b>	BKA Bundeskriminalamt	1	1		Informed and invited to participate in research activities
	Polizei Nordrhein- Westfalen	1	1		Informed and invited to participate in research activities
	Polizei Hessen	1	1		Informed and invited to participate in research activities
	Polizei Bayern	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_German\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_German_Practitioner_Networks)

**Table 21: German developers and policy and decision maker networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Developer</b>					
<b>Crisis Management</b>	Fire Service Science Institute Wuppertal	1	1		Informed and invited to participate in research activities
<b>Information and Communication Technologies</b>	DGSMTech Deutsche Gesellschaft zur Förderung von Social Media und Technologie im Bevölkerungsschutz	1	1	1	Informed and invited to participate in research activities
	ERCIS European Research Center for Information Systems University of Münster	1	1	1	Represented in the LINKS Advisory Committee
<b>Miscellaneous</b>	ISI Fraunhofer Institute for Systems and Innovation	1	1	1	Represented in the LINKS Advisory Committee
	OWMS Organisational and Business Psychology University of Münster	1	1	1	Represented in the LINKS Advisory Committee
<b>Policy and Decision makers</b>					
<b>Disaster Management</b>	BBK Bundesamt für Bevölkerungsschutz und Katastrophenhilfe	2	2	1	Informed and invited to participate in research activities
	THW Technisches Hilfswerk	2	2		Informed and invited to participate in research activities
<b>Public Administration</b>	Deutscher Staedtetag	1	1		Informed and invited to participate in research activities
	Deutscher Staedte- und Gemeindebund	1	1		Informed and invited to participate in research activities
	Deutscher Landkreistag	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/German_networks_of_researchers)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/German_networks_of_policy_and_decision_makers)

**Table 22: German businesses, Civil Society networks, institutions and communities and disseminators contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Businesses</b>					
<b>Crisis Communication</b>	Vor der Lage ( SME )	1	1	1	Represented in the LINKS Advisory Committee
<b>Civil Society</b>					
<b>Digital Volunteers</b>	VOST_de Virtual Operations Support Team from THW	1	1	1	Represented in the LINKS Advisory Committee
	VOSThh Virtual Operations Support Team from 'Hamburg' - state	1	1		Informed and invited to participate in research activities
	VOSTbw Virtual Operations Support Team from 'Baden-Württemberg' - state	1	1		Informed and invited to participate in research activities
	VOSTmh Virtual Operations Support Team from 'Mülheim' - municipality	1	1		Informed and invited to participate in research activities
	VOSTsh Virtual Operations Support Team from 'Schleswig-Holstein' - state	1	1		Informed and invited to participate in research activities
	VOSTffwbhg Virtual Operations Support Team from 'Bad Homburg' - municipality	1	1		Informed and invited to participate in research activities
<b>Victims of Crime</b>	WEISSER RING	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/German_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/German\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/German_networks_of_citizens)

### 7.2.3 Italy

In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 as far as these were considered relevant for the case study

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 23: Italian practitioner and developer networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Practitioner</b>					
<b>Fire and rescue services</b>	CNVVF Corpo Nazionale dei Vigili del Fuoco	1	1	1	Represented in the LINKS Advisory Committee
<b>Medical Emergency Response &amp; Ambulance services</b>	ANPAS Federazione Nazionale delle Pubbliche Assistenze	1	1		Informed and invited to participate in research activities
<b>Mountain rescue</b>	Soccorso Alpino Umbria	1	1		Informed and invited to participate in research activities
<b>Developer</b>					
<b>Crisis management</b>	CI3R Consorzio Italiano per la Ricerca sulla Riduzione dei Rischi	1	1	1	Represented in the LINKS Advisory Committee

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Italian\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Italian_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Italian_networks_of_researchers)



**Table 24: Italian policy and decision maker networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Policy and Decision Makers</b>					
<b>Disaster management regional level</b>	Protezione Civile Regione Umbria	1	1		Informed and invited to participate in research activities
	Protezione Civile Regione Lazio	1	1		Informed and invited to participate in research activities
<b>Public Administration</b>	ANCI Associazione Nazionale Comuni Italiani	1	1		Informed and invited to participate in research activities
	Comune di Arrone	1	1		Informed and invited to participate in research activities
	Comune di Montefranco	1	1		Informed and invited to participate in research activities
<b>Civil Society</b>					
<b>Digital Volunteers</b>	Emergenza 24 Social Network for Emergency Management	1	1	1	Informed and invited to participate in research activities
<b>Miscellaneous</b>	ActionAid Italia	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Italian_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Italian_networks_of_businesses)
- [https://links.communitycenter.eu/index.php/Italian\\_networks\\_of\\_citizens](https://links.communitycenter.eu/index.php/Italian_networks_of_citizens)

## 7.2.4 Netherlands

In this section an overview of the number of partners is given which have established contacts with stakeholders within this target group until month 30 as far as these were considered relevant for the case study

(Type of contact(s): I=Informed; P=Participated; E=Exploiting)

**Table 25: Dutch practitioner and developer networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Practitioner</b>					
<b>Medical Emergency Response &amp; Ambulance services</b>	Rode Kruis NL	2		1	Rode Kruis gave a presentation to the Dutch case team and the Danish case team at the VU. It was about the app Ready2Help to coordinate volunteers
	GGD Zuid-Limburg Gemeenschappelijke gezondheidsdienst	1	1		Informed and invited to participate in research activities
<b>Police</b>	Politie NL, Eenheid Limburg	1	1		Informed and invited to participate in research activities
<b>Developer</b>					
<b>Crisis management</b>	NIPV Nederland instituut Publieke Veiligheid	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/List\\_of\\_Dutch\\_Practitioner\\_Networks](https://links.communitycenter.eu/index.php/List_of_Dutch_Practitioner_Networks)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_researchers](https://links.communitycenter.eu/index.php/Dutch_networks_of_researchers)

**Table 26: Dutch policy and decision makers and businesses networks, institutions and communities contact details**

TYPE	NETWORK	I	P	E	COMMENT
<b>Policy and Decision Makers</b>					
<b>Public Administration</b>	Sittard-Geleen	1	1		Informed and invited to participate in research activities
	Beek	1	1		Informed and invited to participate in research activities
	Stein	1	1		Informed and invited to participate in research activities
<b>Businesses</b>					
<b>Miscellaneous</b>	COT Instituut voor Veiligheids- en Crisismanagement	1	1		Informed and invited to participate in research activities
	VNCI Koninklijke Vereniging van de Nederlandse Chemische Industrie	1	1		Informed and invited to participate in research activities
	Crisislab	1	1		Informed and invited to participate in research activities
	Chemelot	1	1		Informed and invited to participate in research activities

The names, acronyms and short description taken from the network's websites together with their available Facebook and Twitter accounts are embedded in the LCC and can be accessed via the links

- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_policy\\_and\\_decision\\_makers](https://links.communitycenter.eu/index.php/Dutch_networks_of_policy_and_decision_makers)
- [https://links.communitycenter.eu/index.php/Dutch\\_networks\\_of\\_businesses](https://links.communitycenter.eu/index.php/Dutch_networks_of_businesses)