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

Abstract

Selected European National Platforms for Disaster Reduction, Hyogo Framework for Action Focal Points and other organisations were contacted and asked by the Deutsches Komitee Katastrophenvorsorge to act as cooperation partners with the MATRIX project in order to share their experience on single and multi-risk assessment and methods at a later stage of the project. This preparatory action will enable the consortium to gain the required information about end-user requirements with respect to the development of the MATRIX methods. There appears to be considerable interest in the MATRIX project from the various organisations, with additional information provided to them. Additional dissemination activities such as the presentation of MATRIX during major disaster management conferences, are in continuous preparation.

Keywords: Cooperation Partners, National Platforms for Disaster Reduction

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1 Contacts to National Platforms I

Selected European National Platforms for Disaster Reduction (NP), Hyogo Framework for Action (HFA) Focal Points and other organisations were contacted and asked by the Deutsches Komitee Katastrophenvorsorge (DKKV) to act as cooperation partners with the MATRIX project in order to share their experience on single and multi-risk assessment and methods at later stages of the project. This preparatory action will enable the consortium to gain the required information about end-user requirements with respect to the development of the MATRIX methods.

1.1 Updating contact details

Contact details have been gathered and updated for the NPs and HFA Focal Points listed as follows in order to inform them about the project, to disseminate project results, and to request cooperation between them and the MATRIX project: Austria, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary, Iceland, Italy, Norway, Poland, Spain, Sweden and the UK. Unfortunately, an appropriate contact point for Iceland could not be identified. In addition, contact details of representatives of the EC Directorates-General (DG) Humanitarian Aid and Civil Protection, the Council of Europe (CoE), and the United Nations International Strategy for Disaster Reduction (UNISDR) – Europe, were updated.

1.2 First contacts

- An official letter, signed by the project coordinator (Prof. Dr. Jochen Zschau, GFZ), was sent by DKKV to the selected NP and HFA Focal Points and the appropriate representatives of the above mentioned organisations by e-mail, informing them of the concept and general objectives of the MATRIX project. At the same time, the organisations were asked if they were interested in acting as cooperation partners with MATRIX.
- In the middle of January 2011, the first official letters were sent as hardcopies to the representatives, who confirmed their contact details and/or cooperation. Several phone calls were held with NPs to explain some of the still open points related to MATRIX (e.g., expected contributions on the part of NPs to MATRIX, added value of their cooperation, etc.) and to enhance their interest in cooperating. The remaining hardcopy letters were sent on 24.01.2011.

1.3 MATRIX fact sheet

A MATRIX fact sheet was elaborated jointly by GFZ and DKKV to explain in more detail the more important aspects of MATRIX. These points include:

- Introduction to MATRIX
- General objectives of MATRIX
- Multi-type hazard: What does it mean?
- Main goals of MATRIX
- Expected results and outcomes of MATRIX
- Role of and benefits to National Platforms and HFA Focal Points
- The MATRIX Consortium
- Further information (including the web address <http://matrix.gpi.kit.edu>)

The fact sheet was sent to all selected representatives by e-mail and hardcopy. It is also available on the MATRIX webpage and is included as an appendix to this deliverable (Appendix 2).

1.4 National dissemination activity

In the middle of January, 2011, DKKV disseminated an outline of the main ideas behind, and primary goals of, the MATRIX project to its network by e-mail. This included a description of the role of DKKV within the project.

1.5 Disaster Management Conferences

Some possibilities were explored to disseminate MATRIX during major events.

1. European Congress on Civil Protection and Disaster Management, 28-29 September 2011.
2. 6th European conference on severe storms, 3-7 October 2011.
3. Acqua alta 2011, 11-13 October 2011.
4. [Resilient cities 2012: 3rd world congress on cities and adaptation to climate change](#), 11-13 May 2012.
5. 4th International disaster and risk conference IDRC Davos 2012, 26-30 August 2012.
6. [Vajont 1963-2013: Fifty years of increasing knowledge on giant and catastrophic landslides](#), 7-10 October 2013.

1.6 Status of cooperation

The actual status of cooperation is displayed in Table 1, Appendix 1, and may be summarized as follows: Out of the 14 contacted countries, 6 have confirmed their participation, while almost all countries showed considerable interest in participating. However, the decision to act as a cooperation partner still needs to be made by the corresponding representatives. Appropriate contacts to representatives at the CoE, EC and ISDR Europe are established and cooperation is confirmed.

1.7 Conclusion

In the very early stage of the project, MATRIX and its concept was disseminated to the National Platforms and HFA Focal Points across Europe. There appears to be considerable interest in the MATRIX project from the various NPs and other organisations, however additional information was required. This was fulfilled by the production of an information sheet outlining the main aspects of MATRIX and the benefits to the NPs (see Appendix 2).

One issue that will need to be considered is whether the MATRIX consortium will be able to provide some financial support to some of the NPs to enable them to attend project meetings and workshops (e.g., 1st annual meeting in Paris, 10-12th October, 2011).

Additional dissemination activities are in preparation, such as the presentation of MATRIX during major disaster management conferences or under discussion like the dissemination of MATRIX using preventionweb.de – a popular disaster management community website.

Appendix

Appendix 1
Status of cooperation as of 15.06.2011

Below is outlined the status of the communications with the NPs and other appropriate organisations (orange means confirmation of participation is still to come, green indicates confirmation has been given).

Country	Staus of cooperation	Organisation	Contact persons	Position
Austria	Not yet confirmed	Federal Ministry of the Interior	Mr JACHS, Siegfried	Head of Department - National Crisis and Disaster Protection Management
Bulgaria	Interested in the project / administrative restructuring - project unit will come back to DKKV after the decision to cooperate or not has been made	Ministry of Interior - DG Fire Safety and Protection of the Population	Ms STOYANOVA Gloria	Expert - International Cooperation Unit
Czech Republic	Initially confirmed their participation and sharing of expertise, but the director has changed, hence new confirmation is required.	Czech National Committee for Natural Disaster Reduction	Mr DVORAK Vaclav	Director
Croatia	Confirmed cooperation	National Protection and Rescue Directorate	Ms BILJAKOVIC Katica and Ms IVANCAN-PICEK Branka	Scientific advisor at Institute of Physics, Zagreb; Representative of the Ministry of Science in CCPDR (Committee of Croatian Platform for Disaster Reduction)
France	Confirmed cooperation	Ministère de l'Écologie, de l'Énergie, du Développement durable et de la Mer	Mr GERARD François	Former Chef du bureau information préventive, coordination et prospective MEEDDAT / DGPR / SRNH / bipcp
Germany (BBK)	Confirmed cooperation	German Committee for Disaster Reduction and Federal Office of Civil Protection and Disaster Assistance (BBK)	Ms CLEMENS-MITSCHKE Angela & GEIER Wolfgang	Head of Departement II.1 - General policy issues of civil protection (population protection); risk management; emergency preparednes
Hungary	Interested, but participation could be difficult if no financial travel support is allowed	National Directorate General for Disaster Management - Ministry of Interior	Ms RAJICIC Ágnes	Senior Desk Officer - Department for International Relations and Legal Affairs

Italy	Confirmed cooperation	Civil Protection Department	Mr SABETTA Fabio and Mr ROSSI Luca	Department - Seismic and Vocanic Risk
Norway	Confirmed cooperation / sharing of some expertise and participation in MATRIX workshops	Directorate for Civil Protection and Emergency Planning	Mr HOGVOLD Dag Olav	Senior adviser - Research and analysis
Poland	Cooperation confirmed	Institute of Meteorology and Water Management Branch Office in Cracow (IMGW)	Mr WALCZYKIEWICZ Tomasz	Division of Water Management
Spain	Not confirmed yet	Dirección General de Protección Civil y Emergencias	Mr LAHORE Juan Pedro	Director
Sweden	Swedish NP proposes to contact the following institutions and bodies instead to act as cooperation partners: 1. Center for climate and safety 2. Centre for Natural Disaster Science 3. Department of Fire Safety Engineering and systems 4. Municipality of Karlstad Contact with these institutions needs to be established.	Swedish Civil Contingencies Agency	Ms LINDAHK OLSSON Mette and Ms POSTGARD Ulrika	Head of Natural Hazards & Critical Infrastructure Section - Risk & Vulnerability Reduction Department
UK	Not yet confirmed		Mr BARNES, Steven	
Iceland	An appropriate contact point could not be identified. Several requests stayed unanswered.			
CoE	Confirmed participation and sharing expertise with MATRIX	European and Mediterranean Major Hazards Agreement (EUR-OPA) Council of Europe	Mr FERNÁNDEZ-GALIANO Eladio	Executive Secretary
EC (DE LANNOY Thomas)	Confirmed participation and the sharing of expertise with MATRIX	European Commission - DG - ECHO Humanitarian Aid and Civil Protection - Unit ECHO C3 Civil Protection - Disaster Response	Mr DE-LANNOY Thomas	

ISDR Europa	Confirmed participation in the area of dissemination and participation in workshops	United Nations International Strategy for Disaster Reduction, UNISDR	Ms DANNENMANN Stefanie	Programme Officer
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Appendix 2 Fact sheet

MATRIX – New Multi-Hazard and Multi-Risk Assessment Methods for Europe



Introduction

MATRIX is a collaborative research project, coordinated by the German National Research Centre for Geosciences, that aims to develop multi-type hazard and risk assessment and mitigation tools suited to the European context. MATRIX is supported by the European Union's Seventh Framework Program (FP7), and is an international consortium of 12 institutions from 10 countries, including one from outside of Europe, as well as partners from the private and disaster reduction sectors. Its total funding is 4.314.417€, of which 3.395.871€ is provided by the EU.

MATRIX began in October, 2010, and will continue until September, 2013.

Natural Hazards and Europe

Many parts of Europe are potentially under threat from a combination of natural hazards, namely earthquakes, volcanic eruptions, landslides, tsunamis, wildfires, winter storms, and both fluvial and coastal flooding. While these hazards are usually treated individually by scientists, engineers and civil protection and disaster management authorities, they also sometimes occur in combination with each other, either occurring at the same time, or when one type of event is triggered by another, e.g., landslides triggered by heavy rains or earthquakes. In addition, owing to their physical nature, these natural phenomena cover a range of spatial and temporal scales while at the same time are affected by very different sources of uncertainty.

MATRIX will therefore endeavour to develop methods and tools to tackle multi-type natural hazards within a common framework, focusing on methodologies that are suited to the European context. Of particular importance will be assessing and harmonising the associated uncertainties.

Multi-type hazard: What does it mean?

When one speaks of multi-type hazards, one must consider the following:

- Comparability of hazards and risks. MATRIX will deal with this issue by developing methods that allow quantitative comparisons of individual risks from different hazard origins.
- Domino (cascade) effects. As mentioned, a specific event may trigger another. Such relationships between different types of event need to be understood and quantified.
- Time-dependent vulnerability. This issue is especially important when one considers, for example, that different types of extreme events may follow one another, with the later events potentially inflicting increased levels of damage upon an area whose vulnerability has already been increased by the earlier event.

Considering these issues will allow future analysts to optimise the risk assessment process, contribute to rationalising data management for hazard and vulnerability reduction, and will support cost-effective decision making with respect to structural and non-structural mitigation/adaptation measures within a multi-hazard perspective.

Main goals of MATRIX

- Determine and demonstrate under what conditions multi-type risk assessment provides better (or not) results compared with considering only single-type hazards.
- Provide tools for analysing multi-type risk problems within a European context.
- Establish a European knowledge base on multi-type risk in Europe.
- Disseminate multi-type risk concepts to potential end-users and other relevant members of the broader community.
- Provide support for the decision making necessary by civil protection and disaster management authorities on the basis of probabilistic information.

Expected results and outcomes of MATRIX

- Multi-type risk assessment tools, tuned to the European context that may be exploited by researchers, disaster management and civil protection authorities.
- Characteristic multi-type risk scenarios for Europe for research and planning purposes.
- A knowledge base of the multi-risk situation in Europe that is accessible to researchers, disaster managers and other interested parties.
- Reports outlining guidelines and recommended best practices for multi-type risk and its assessment in Europe.
- Training for potential end users.

Role of and benefits to National Platforms

The National Platforms will be contacted early in the project's time frame where they will be called upon to indicate their willingness to interact with MATRIX. This interaction will be led by the German Committee for Disaster Reduction (DKKV). Those platforms who are interested are therefore asked to contribute the following:

- Their views on the needs of end users. This will lead to a better understanding on the part of the project's partners of the practical requirements for multi-hazard and multi-risk assessments from the user's perspective.
- Information that would be relevant to the MATRIX knowledge database.
- Their comments on the MATRIX reference reports.
- Assist in the development of training programs for disaster management specialists on multi-type risk assessment concepts and decision making.
- An active role in the dissemination of the goals and results of MATRIX.

The interested National Platforms will also be invited to participate in end-user workshops held in conjunction with the MATRIX annual project meetings, the first of which will be in Paris, France, in October, 2011.

The benefits for the participating platforms include (but are not limited to) the following:

- Close interaction with the international scientific community in the field of multi-type hazard and risk assessment, and with other disaster management communities.

- Facilitation of international network activities.
- Active shaping of multi-type hazard and risk assessment methodologies and tools through their feedback to the MATRIX consortium.
- The possibility of reviewing the requirements for multi-type hazard and risk approaches at a national level within the context of their specific national requirements.

The MATRIX Consortium

Helmholtz Zentrum Potsdam Deutsches GeoForschungsZentrum	Germany
AMRA - Analisi e Monitoraggio del Rischio Ambientale	Italy
Bureau de Recherches Geologiques et Minieres	France
Stiftelsen Norges Geotekniske Institutt	Norway
Internationales Institut für Angewandte Systemanalyse	Austria
Aspinall William Phillip – Aspinall & Associates	United Kingdom
Karlsruher Institut für Technologie	Germany
Technische Universiteit Delft	Netherlands
Eidgenössische Technische Hochschule Zürich	Switzerland
Instituto Superior de Agronomia	Portugal
Deutsches Komitee Katastrophenvorsorge e.V.	Germany
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