



EUROPEAN COMMISSION DIRECTORATE-
GENERAL ENVIRONMENT



European Civil Protection

Directorate A – Governance,
Communications and Civil Protection

**Minutes of the 2nd Intensive Training Course,
2nd Project Seminar and the Steering Committee
Meeting of the NARPIMED Project.**

Granada, June 28-30, 2010.

**NARPIMED - NAatural Risk Prevention In MEDiterranean Countries - Grant
Agreement N 070401/2008/507838/S
Starting date: 01.10.2008 ... Ending date: 30.09.2010.**

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1. **Minutes of the 2nd Intensive Training Course**

Start date : 28.06.2010 End date : 29.06.2010 Granada (Spain),

Project TASK :

The **2nd Intensive Training** program for those in charge at civil protection centres and local community representatives is one of the project tasks related to Work package 2 “EXCHANGE OF EXPERIENCES: 01.11.2008 - 06.06.2010” and **ACTION B.4** of NARPIMED project.

The **2nd Intensive Training Course** has taken place in Granada (Spain), in the Triunfo Meeting-room (located in the Triunfo Administrative Multi-office Buildings, facilities belonging to the University of Granada) from **28th – to 29th June, 2010** thanks to the kind contribution of NARPIMED Working Group:

Instituto Andaluz de Geofísica. Universidad de Granada (**Spain**),

Region of Molise; CNR –ITC of L’Aquila and HERIMED (**Italy**)

Municipality of Kalivia Thorikou (**Greece**)

The Course was locally coordinated by Instituto Andaluz de Geofísica (Spain). This Course **has been funded by the European Project NARPIMED** (as has been demonstrated in all announcements and in broadcast media), so it has been **completely free** and participants have been credited with the corresponding Certificate.

Training workshop description

Introduction

The risk of life by natural hazards is increasing in hazardous regions due to an increasing vulnerability to natural disasters, mainly in developing countries, and particularly in fast growing areas. It is well-known that *preventing is better than cure*. Risks can be reduced by investing in the vulnerability reduction of elements at risk and strengthening disaster preparedness and response before a severe hazard takes place. These preventive and protective measures are much cheaper and more effective than providing humanitarian aid and repairing the damage afterwards.

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The impact of disasters in Europe is relevant in terms of physical damage and economic consequences. The economic cost of disasters in Europe is estimated to be €15 billion yearly, being natural disaster the more important part. Therefore, natural risk prevention is an important need in EU, and more in the Mediterranean region where threatening natural phenomena are more abundant and their vulnerability to natural disasters is higher than other European countries. Consequently, efficient disaster prevention strategies must be developed to face hazardous phenomena.

Losses caused by natural and man-made disasters can seriously affect sustainable development in the Mediterranean region, especially when prevention, preparedness and response capacities are not adequately promoted, and therefore increase the opportunity for regional cooperation in Civil Protection.

The necessity to develop some techniques, methods and procedures aimed at promoting new policies for natural risk prevention (focusing on seismic risks) at national and European level has been at the origin of NARPIMED project, considering the existing procedures for risk prevention in all the participating countries (Spain, Italy and Greece).

The **strategic objective** of NARPIMED is *to promote the coherence among the different civil protection actions undertaken at national and international level, reinforcing the cooperation with some Mediterranean countries*, such as Algeria and Morocco (European added value).

Within the main tasks of NARPIMED, **the two intensive training courses** offer participants an opportunity *to share good practices, methods and procedures in order to avoid or reduce natural disasters in the Mediterranean Countries*.

The training courses offer participants an opportunity to

- a) present experiences and way forward by the International Experts, Scientists on development and implementation of initiated projects developed (such as NARPIMED) within the international community;
- b) transfer the contents related to the NARPIMED Operational manual for risk prevention;
- c) add a real value to the Mediterranean region showing fields and methods on how to work in the future as a closer platform for co-operation on national, regional and international level.

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The **overall objective** of the two intensive training courses is *contribute to reinforce the quality of Civil Protection services in the Euro-Mediterranean region and to continue institutional cooperation in the field, between the EU and the Mediterranean Partners Countries (MPCs).*

The three **main objectives** of the **2nd Intensive Training Course** have been:

- to offer to the participants the opportunity to share good practices, methods and procedures in order to avoid or reduce natural disasters in the Mediterranean Countries,
- to contribute to reinforce the quality of Civil Protection services in the Euro-Mediterranean region
- to continue institutional cooperation in the field, between the EU and the Mediterranean Partners Countries.

Specific Objective of the training

The **Specific training objective** has been the specific knowledge, skills, or attitudes that the trainees are to gain as a result of the training activity.

Teachers of the Course.

In the **2nd Intensive Training Course** in Granada 21 lecturers from the three partners countries and from Algeria and Turkey have presented their experiences and know-how on **Good practices, methods and procedures to reduce natural disasters in the Mediterranean Countries**. These teachers are Scientists, International Experts or Civil Protection Experienced Technicians on development and implementation of Natural Disaster Prevention.

Teachers list.

Spain

- **Prof. A. Gerardo Alguacil** - *Andalusian Institute of Geophysics and Earthquake Disaster Prevention (IAGPDS- UGR)*
- **Eng. M^a Dolores Ayllón Valle**. *Andalusia Environment Agency (AMA)*
- **Prof. María Belen Benito**- *Polytechnic University of Madrid (UPM)*

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- **Eng. Juan Martínez Carmona.** *Andalusia Environment Agency (AMA)*
- **Dr. Vicente Medrano.** *Civil protection. Region of Andalusia. (CP-JA).*
- **Prof. Manuel Navarro** - *University of Almeria (UAL)*
- **Prof. Lluís Pujades** – *Polytechnic University of Catalonia (UPC)*
- **Prof. María Carmen Romero**- *University of La Laguna (ULL).*
- **L. Col. Jorge Serra** *Spanish Military Unit (UME)*
- **Prof. Francisco Vidal** – *Andalusian Institute of Geophysics and Earthquake Disaster Prevention (IAGPDS- UGR)*
- **Mr. Francisco Sánchez Reyes** – *Fire-fighter Brigade (BGR)*

Italy

- **Eng. Umberto Capriglione** - *Civil protection. Region of Molise (CP-RM)*
- **Arch. Giuseppe Giarrusso.** *Civil protection. Region of Molise (CP-RM)*
- **Eng. Alberto Lemme** – *Civil protection. Region of Molise (CP-RM)*
- **Mr. Alessandro Pernice** – *HERIMED.*
- **Eng. Aurelio Petracca.** *National Research Council- Technologies Construction Institute (CNR –ITC)*
- **Dr. Gabriele Petrucci** – *National Research Council- Technologies Construction Institute (CNR –ITC)*

Greece

- **Ms. Eleni Rapti** - *Municipality of Khalivia Thorikou (MKT)*
- **Mr. George Sofronis** - *Municipality of Khalivia Thorikou (MKT)*

Algeria

- **Prof. Kharchi Fattoum,** *Houari Boumediene University (HBU)*

Turkey

- **Eng. Selçuk Çilingir.** *Prime Ministry Disaster & Emergency Management Presidency (PM-DEMP) (TUR)*

Morocco

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- **Prof. Taoufik Mourabit**, *University Abdelmalek Essadi (UAE)*, unable to attend the Course by the problem of delay with his visa.

The General Training contents:

The training content generally has included:

- Prevention and mitigation of risks, concepts, perspectives and global and European framework.
- Creation of the scenarios of reference of different natural hazards, stressing in methods and good practices;
- Civil Protection regulatory systems and governance, applied to several natural disasters in different Mediterranean countries;
- Civil Protection methods and planning techniques: forecast, early warning, prevention and risk reduction, including the latest guidelines contained in Communications from the European Commission;

Specific Topics for the 2nd Intensive Training Course:

First day (Jun 28, 2010). Presentations scheduled on **Natural Risk Prevention in Europe: Good practices, methods and procedures.**

- **1.- Natural risk Prevention and Civil Protection: from disaster-driven to prevention of risk.** *Prof. Francisco Vidal Sánchez, Andalusian Institute of Geophysics and Earthquake Disaster Prevention (IAGPDS), University of Granada (ES) ;*
- **2.- Former, recent and ongoing projects on earthquake risk assessment. Applications to Barcelona City (Spain).** *Prof. Lluís Pujades – Polytechnic University of Catalonia. (ES)*
- **3.- Guidelines for the Manual for risk prevention in the Mediterranean Countries.** *Engs. Giuseppe Antonio Giarrusso, Giandomenico Cifani; Gabriele Petrucci Aurelio Petracca. National Research Council. Technologies Construction Institute (CNR-ITC) L'Aquila (IT).*
- **4.- Methodology for Earthquake Risk Scenarios definition focused to Emergency planning.** *Prof. Belén Benito. Polytechnic University of Madrid. (ES)*

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- **5.- Seismic hazards and risk prevention in Algeria: the progress achieved since 1980.** Prof. Kharchi Fattoum. Civil Engineering Faculty. Houari Boumediene University
- **6.- Planning and Engineering Guidelines for the Seismic Retrofitting of the Cultural Heritage: the case of the April 6, 2009, L'Aquila earthquake.** Arch. Alberto Lemme, Region of Molise – Civil protection UNIT & National Research Council. Technologies Construction Institute (CNR-ITC) L'Aquila (IT).
- **7.- Volcanic and Seismic Risks for Emergency Planning in Canary Islands.** Prof. M. Carmen Romero. University of La Laguna (ES) .
- **8.- Vulnerability Risk assessment: an example of the Municipality of Ripabottoni (Molise Region)** Alberto Lemme CONSIGLIO NAZIONALE DELLE RICERCHE (CNR –ITC), “Technologies Construction Institute”, “National Research Council”- L'Aquila (IT);
- **9.- The use of spatial methods (GPS, In SAR) for the prevention and management of seismic risk.** Prof. Taoufik Mourabit. University Abdelmalek Essadi (UAE) (MO). Cancelled. Professor Taoufik Mourabit could not attend because of VISA problems.
- **10.- Debate on Natural Risk Prevention: methods & good practices.** All participants.

Second day (June 29, 2010). Presentations on *Disaster Prevention and the role of Civil Protection:*

- **1.- Monitoring, early warning, and earthquake damage blind prediction systems.** Prof. Gerardo Alguacil & Francisco Vidal., Andalusian Institute of Geophysics and Earthquake Disaster Prevention (IAGPDS), University of Granada (UGR) (ES) ;
- **2.- A practical tool for management and reduction of urban seismic risk.** Prof. Manuel Navarro, University of Almeria (UAL) (ES).
- **3.- Earthquake Risk Planning in Andalusia: Strategies, organization & procedures** Dr. Vicente Medrano– Civil Protection Regional Department – Andalusia Region – (PC-JA)(ES).

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- **4.- Disaster and emergency management structure and natural risk prevention studies in Turkey.** Eng. Selçuk Çilingir Prime Ministry Disaster & Emergency Management Presidency (PM-DEMP) (TUR).
- **5.- Emergency Military Unit. UME intervention in Haïti. How we work in response to earthquake disasters.** Jorge Serra. Spanish Military Unit UME (ES).
- **6.- Rescuing earthquake victims. Recent experiences of Granada fire-fighter Team.** Mr. Francisco Sánchez Reyes, Fire Brigade. CB-GR (ES).
- **7.- New financial perspectives for Civil protection actions 2007-2013.** Mr. Alessandro Pernice – HERIMED. (IT)
- **8.- Prevention and response to fire risk** Eng. Umberto Capriglione – REGIONE MOLISE – Civil Protection Service (IT);
- **9.- Prevention and extinction of wildfires in Andalusia. Analysis of risk and operative capacity.** Eng Juan Martínez Carmona.. Dolores Ayllón Valle. Regional Operational Center. Andalusia Environment Agency (AMA) (ES).
- **10.- Civil Protection Mechanism activated for fires risk prevention & Recent experiences with the civil protection volunteer team and students in the Municipality of Khalivia (Greece)** Mr. George Sofronis & Ms. Eleni Rapti, Municipality of Kalivia Thorikou (MKT) (GR).
- **11.- Final session: Debate on Disaster Prevention policies & General Conclusions.** All participants.

Final Agenda

1st day: Natural Risk Prevention in Europe: Good practices, methods and procedures.

Time		First day activities (<i>in the morning</i>)	Observations
09.00	09.30	Opening Training & Welcome Address (G.A. Giarrusso, F. Vidal, & others)	
09.30	10.00	First session: Natural risk prevention and Civil Protection: From disaster-driven to prevention of risk	Prof. F. Vidal IAG (ES)
10.00	10.10	Questions Time	

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10.10	10.40	Second session: <i>Former, recent and ongoing projects on earthquake risk assessment. Applications to Barcelona City (Spain).</i>	Prof. LLuis Pujades UPC (ES)
10.40	10.50	Questions Time	
10.50	11.20	Coffee break & Participants check in	
11.20	11.50	Third session: <i>Guidelines for the Manual for risk prevention in the Mediterranean Countries</i>	Engs. G. Cifani , G. Petrucci & Dr. A. Petracca CNR (IT)
11.50	12.00	Questions Time	
12.00	12.30	Fourth session: <i>Methodology for Earthquake Risk Scenarios definition focused to Emergency planning</i>	Prof B.Benito UPM (ES)
12.30	12.40	Questions Time	
12.40	13.10	Fifth session: <i>Seismic hazards and risk prevention in Algeria: the progress achieved since 1980.</i>	Prof. K. Fattoum UHB (AL)
13.10	13.20	Questions Time	
13.20	13.50	Sixth session: <i>Planning and Engineering Guidelines for the Seismic Retrofitting of the Cultural Heritage: the case of the April 6, 2009, L'Aquila earthquake.</i>	Arch. A. Lemme CP-RM (IT)
13.10	13.20	Questions Time	
14.00	16.00	Lunch & coffee	

Time		First day activities (<i>in the afternoon</i>)	Observations
16.00	16.30	Seventh session: <i>Volcanic and Seismic Risks for Emergency Planning in Canary Islands.</i>	Prof. M. C. Romero ULL (ES)

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16.30	16.40	Questions Time	
16.40	17.10	Eighth session: Vulnerability Risk assessment: an example of the Municipality of Ripabottoni (Molise Region)	Arch. A. Lemme , PC-RM (IT)
17.10	18.00	Questions Time	
18.00	19.00	Tenth session: Debate on Natural Risk Prevention: methods & good practices	All participants

2nd day: Civil Protection and Disaster Prevention

Time		Second day activities (in the morning)	Observations
09.00	9.30	First session: Monitoring, early warning, and earthquake damage blind prediction systems,	Profs. G. Alguacil & F. Vidal IAG (ES)
09.30	09.40	Questions Time	
09.40	10.10	Second session: A practical tool for management and reduction of urban seismic risk	Prof. M Navarro UA(ES)
10.10	10.20	Questions Time	
10.20	10.50	Third session: Earthquake Risk Planning in Andalusia: Strategies, organization & procedures.	Mr. V. Medrano PC (ES)
10.50	11.00	Questions Time	
11.00	11.30	Coffee break	
11.30	12.00	Fourth session: Disaster and emergency management structure and natural risk prevention studies in Turkey	Eng. S. Çilingir (TUR)
12.00	12.10	Questions Time	
12.10	12.40	Fifth session: : Emergency Military Unit. UME intervention in Haïti. How we work	L. Col. Jorge Serra UME (SP)

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		<i>in response to earthquake disasters.</i>	
12.40	12.50	Questions Time	
12.50	13.20	Sixth session: <i>Rescuing earthquake victims. Recent experiences of Granada fire-fighter Team</i>	Mr. F. Sánchez Reyes CB-GR (ES)
13.20	13.50	Seventh session: <i>New financial perspectives for Civil protection actions 2007-2013</i>	Mr. A. Pernice HER. (IT)
13.50	14.00	Questions Time	
14.00	16.00	Lunch & coffee	
Time	Second day activities (in the afternoon)		Observations
16.00	16.30	Eighth session: <i>Prevention and response to fire risk</i>	Eng. U. Capriglione CP- RM (IT)
16.30	16.40	Questions Time	
16.40	17.20	Ninth session: <i>Prevention and extinction of wildfires in Andalusia. Analysis of risk and operative capacity.</i>	Eng. J. Martínez & Eng. M. D. Ayllón AMA (SP)
17.20	17.30	Questions Time	
17.30	18.10	Tenth session: <i>Civil Protection Mechanism activated for fires risk prevention & Recent experiences with the civil protection volunteer team and students in the Municipality of Khalivia, Greece.</i>	Mr. G. Sofronis & Ms. E. Raptí, PC-MK (GR)
18.10	18.20	Questions Time	
18.20	19.00	Final session: Debate on Disaster Prevention policies & General	All participants



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		Conclusions	
19.00	-	Closing Ceremony & Certificates of Attendance	

Trainees Profiles:

Who attended the Training course?

Finally, the number of people who attended every day the training course was 98 (of the 106 initially admitted).

The participants belong to the eight provinces of Andalusia and Murcia, mostly belonging to Emergency Services.

The **target group** consist of:

- National representatives of Civil Protection.
- Regional leaders and representatives of Civil Protection.
- Civil protection managers of several Municipalities of Spain.
- Technicians of County Councils. 112 technicians
- Fire Brigade Services
- Wildfire Regional Services.
- Representatives and employees of Andalusian Municipalities.
- Civil Protection Volunteers.

This time, students and researchers were not involved because there was no need (with the exception of four people working in these topics). The reason was to book course places to personnel directly involved in the prevention and civil protection.

UGR – IAGPDS received a big request of attendance to the training with a huge number of participants coming from all over Spain and its Municipalities who were Civil Protection managers very skilled and really motivated. Therefore it was almost impossible to take the students on board.

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In the **Annex 1** we include a **List of Trainees** (including several contact details, such as, Institution name, name and surname of the trainee, e-mail address).

Certificates delivered

98 certificates of attendance were delivered after the two days of event. In **Annex 2** we include an example of certificate.

Participant Evaluation.

According to received congratulations of those who attended this Course, It is thought that teachers have provided a direct, clear and structured information to Civil Protection technicians to implement the overall and strategic objectives initially set:

The **overall objective**: *to contribute to reinforce the quality of Civil Protection services in the Euro-Mediterranean region and to continue institutional cooperation in the field, between the EU and the Mediterranean Partners Countries (MPCs).*

The **strategic objective**: *to promote the coherence among the different civil protection actions undertaken at national and international level, reinforcing the cooperation with some Mediterranean countries, such as Algeria, Turkey and Morocco (European added value).*

According to the mentioned opinions we believe the **main objective** has been also achieved: offer to the participants the opportunity to share good practices, methods and procedures in order to avoid or reduce natural disasters in the Mediterranean Countries.

The following are some of the compliments received from attendees via internet (*a translation is attached below each one*):

Prof. Vidal, felicitarle por la organización del curso y agradecerle la oportunidad de compartir conocimientos e intercambiar opiniones con los participantes y asistentes. Considero que ha sido un encuentro muy provechoso para todos. (miguel.laplana.ext@juntadeandalucia.es)

TRANSLATION: *Prof. Vidal, I congratulate you for organizing the course and thank you for the opportunity to share knowledge and exchange views with participants and attendees. I think it has been a very helpful for everyone.*

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Quería darte la enhorabuena sobre el éxito del curso, me pareció realmente interesante y muy participativo, todos los temas que se trataron estuvieron muy bien estructurados y fueron de mucho interés. lalguacil@procivil.mir.es

TRANSLATION: *I want to congratulate you on the success of the course; I found it really interesting and very active; all issues were dealt with very well-structured and were of great interest.*

Quisiera felicitarle por las ponencias de los profesores extranjeros y, sobre todo la del profesor Pujades que me resultó muy interesante. (sagra.ma@gmail.com).

TRANSLATION: *I would like to congratulate you on the presentations of foreign teachers, especially teacher Pujades that I found very interesting.*

El curso ha estado a un alto nivel. Mi enhorabuena por el mismo. Julio Maqueda pcivil@antequera.es

TRANSLATION: *The course has been at a high level. My compliments for it.*

ENHORABUENA POR EL CURSO! HUBO PRESENTACIONES QUE ME GUSTARON MUCHO, EN OTRAS ME PERDÍ UN POCO POR LO DEL IDIOMA. BASTANTE AFLUENCIA EN GENERAL Y FUÉ MUY PARTICIPATIVO. SÍ ECHÉ EN FALTA ALGO MÁS EN EL TEMA SANITARIO. MARGAMZM@cajagranada.es

TRANSLATION: *Congratulations for the course!. There were (lecture) presentations that I liked so much; in some others I had difficulties to understand well due to language translation. There were a lot of people and (the Course) was very participative. I wait something else in the health (emergency) topic.*

And from lecturers of the Course :

Je vous remercie de m'avoir permis de participer avec vous. L'expérience est très intéressante. kharchifcong@yahoo.fr

Well done :-)! Excellent job! a.pernice@herimed.org

Aprovecho para felicitar a Paco por las jornadas organizadas, que en mi opinión han sido un éxito, mariabelen.benito@upm.es

TRANSLATION: *Take this opportunity to congratulate the conference organized by Paco, in my opinion have been successful.*

Associates to the Training course (Algeria and Turkey)



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Prof. Kharchi Fattoum (Algeria) and **Eng. Selçuk ÇİLİNGİR** (Turkey) were the two special guest speakers who attended the training course and who introduced respectively the two relevant topics for the targeted audience such as:

Disaster and Emergency Management Structure and Natural Risk Prevention Studies in Turkey

Seismic Hazards and Risk Prevention In Algeria. The Progress Achieved Since 1980.

These conferences were well received by participants and teachers and were a source of discussion and exchange between experts.

Guided tour and visit of the 112 Emergency Unit and the Andalusian Institute of Geophysics.

All partners had the opportunity to visit the two buildings in Granada that consist of the *112 Emergency Unit and the Andalusian Institute of Geophysics and Earthquake Disaster Prevention (IAGPDS)*.

2. Minutes of the 2nd project Seminar

Introduction.

On Thursday 30 June 2010, the IAGPDS hosted the **2nd project seminar** on:

“Good practices, methods and procedures to avoid or reduce natural disasters in the Mediterranean Countries”.

The 2nd Project Seminar and the parallel fourth Steering Committee Meeting (SCM) were held both at the UGR - University Campus premises in Cartuja (Granada).

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All NARPIMED partners attended this event and the following key referents for each associated beneficiary of the Project have contributed to final outcomes of both the Seminar and of the fourth Steering Committee meeting.

As per the decision of the third Steering Committee meeting, held in Catania on March 29th -30th April 2010, the fourth Steering Committee meeting also served as a working group meeting on **Goals, Strategy and Principles of the operational Manual**, the tasks that need to be completed by the Steering Committee in preparation for the forthcoming Final Seminar of Khalivia (Greece) in September 2010.

Associated beneficiaries who attended (ABs):

Mr. Giuseppe Giarrusso, Region of Molise, Civil protection Unit
Mr. Umberto Capriglione, Region of Molise, Civil protection Unit
Mr. Francisco Vidal Sanchez UGR, IAGPDS
Mr. Gerardo Alguacil de la Blanca, UGR, IAGPDS
Mr. Alberto Lemme, CNR ITC of l'Aquila, Abruzzo & Region of Molise
Mr. Gabriele Petrucci, CNR ITC of l'Aquila, Abruzzo
Mr. Aurelio Petracca, CNR ITC of l'Aquila, Abruzzo
Mr. Alessandro Pernice, HERIMED
Mr. George Sofronis, Municipality of Khalivia, Greece
Ms. Eleni Rapti, Municipality of Khalivia, Greece

Participants:

20 people attended the Seminar including external actors (Algeria, México, etc). In particular, the Seminar was attended by Professors and members of UGR (e.g. **Prof. Jesus Ibañez**, Director of the IAGPDS, that receives the Seminar attendants and give them welcome greetings) as well as by experts from the Emergency Military Unit. UME (**L. Col. Jorge Serra UME –SP**), and professors of different Universities (**Prof. M^a Carmen Romero ULL -ES**, **Prof Belen Benito UPM – ES**, **Prof. Alfonso Ontiveros, UJA**, **Prof. Federico Torcal, UPO**, **Prof. Alejandro Sibaja, UNACH-MEX,**) and Researchers (**Dr. Flor Mancilla IAGPDS**, **Ph. D. St. Rosa Martín IAGPDS**, etc.).

Goals :

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- The Seminar was aimed at strengthening the capacity of all experts to effectively address civil protection concerns, with special emphasis on natural risk management in all Mediterranean Countries involved in the project.
- The Seminar also sought to create a platform for interactive transnational dialogue and exchange of experiences and knowledge among the different experts on civil protection actions and governance – including Cultural Heritage retrofitting, who are also in charge of the preparation of the Narpimed Operational manual for natural risk prevention.

Results

The seminar aimed to support the preparation of an improved draft of the Narpimed Operational Manual, as some best practices and concrete recommendations for further actions were shared among the participants and experts.

Content

Prof. Vidal introduced the Seminar by giving a welcome speech.

On behalf of the project consortium, Mr. Giarrusso congratulated to Prof. Vidal the project achievements with regard to the people trained in Granada.

The 2nd project seminar began with small group discussion tasks on various topics of the the ***Narpimed Operational Manual***. All Partners discussed about the content of the six Chapters and paragraphs that were completed.

On behalf of HERIMED, Mr. Pernice presented a proposal for the revision of **Chapter 4 – Policy recommendation**. He made a power point presentation which was structured as follow:

Chapter 4. STRATEGIC EVALUATION ON ENVIRONMENT AND RISK PREVENTION UNDER STRUCTURAL AND COHESION FUNDS and Research FUNDS FOR THE PERIOD 2007-2013. Policy recommendations.

- National Evaluation Report for Italy, Spain and Greece.
- Current Situation

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- Existing risk assessments
- Institutional issues
- Experience of previous investment programmes
- Needs for the future: review of policy objectives and targets – and supporting instruments.
- Conclusions

After a very deep discussion on the topics elaborated by Mr. Pernice, Partners agreed that the general content of Chapter 4 should remain almost the same compared to the draft discussed during the two previous project's meetings of Campobasso (July 2009) and Catania (April 2010).

In fact, the Operational Manual of Narpimed project on Natural Risk prevention in the Mediterranean Countries is a practical tool for all interested users (Civil protection experts, Fire Brigade Services, etc.) and only for them. The manual should not be used as a tool to influence the decision makers about the new financial perspectives for civil protection actions (2007-2013).

Usually, Targeted users are more interested in getting information on good practices and tools in order to face natural risks and disasters in the Mediterranean area rather than, demanding more information on the new financial perspectives and policies (i.e. investment programmes for civil protection actions and natural risk prevention).

Although the contents and information proposed by Mr. Pernice during the seminar were very interesting, partners decided not to mention it in the manual. Discussion on this part of the Manual was very useful for all participants to the seminar, as it provoked a very strong reaction and further discussion on the paragraph so called "*Resources and capacity allocation*" (Chapter 4). In fact this paragraph was reoriented as it is report newly below in the Manual Index.

Specific recommendations

The Seminar made the following recommendations:

- a) **Promote awareness-raising** among citizens and experts about the workings of the Civil Protection sector, including enhancing appreciation of existing linkages between Civil Protection policy, standard operating procedures and budget demands;

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b) **Promote civil society cooperation** (i.e. the volunteers) in the Civil Protection sector actions;

c) **Promote joint initiatives** among the experts, civil society and policy think tanks (Universities, etc) to enhance the oversight capacity of the Civil Protection sector (i.e. Training courses, etc);

d) **Promote the Narpimed Operational Manual for Natural Risk Prevention.** The main objective of the Operational Manual is to provide all users of it with a practical tool based on a common methodology shared among the project's partners with the aim of both planning the emergency phase and of guarantying in the prevention phase a suitable emergency response.

Therefore, *existing forms* that are used to evaluate in Italy the *"fitness for human habitation"* as well as *the level of damage of the buildings*, and the *forms able to assess the vulnerability of the buildings* will be disseminated through the Narpimed Manual¹.

This seminar outlines most important considerations one should keep in mind for the next project and which are shortly summarised here below:

- a) To organise additional training courses addressed to additional specialists and experts in civil protection actions of over all EU countries (at least) on the two forms related to *"fitness for human habitation"* and to *Building Vulnerability Assessment (there is a concrete need)!*
- b) To prepare a new project proposal *"Narpimed N.2"*- that should be submitted in the framework of the next call for proposals within the Civil protection financial Instrument or other EU programmes - and that is based upon training activities for Civil Protection experts about the two forms abovementioned.

¹ Spain and Greece do not apply this methodology and therefore specialists in civil protection actions do not know the two abovementioned forms. On the contrary, In Italy most prevention practices are based on this methodology.



3 Minutes of the Fourth Narpimed Steering committee meeting (30.06.2010).

Decisions taken:

Partners have prepared a sort of “*framework*” as general orientation for those referents of each ABs who are responsible for the drafting of the final chapters.

It was agreed that all partners should follow the scheme described here below.

General orientation for the drafting of the chapters.

Please follow the scheme:

- Main goals. Brief overview.
- How to achieve them.
- Summary & recommendations.

Layout of the Manual :

Partners agreed that the **font “Times new roman” number “12” size** should be used for the final draft of the Manual.

Number of pages should be done like this: in chapter 3, 3-1, 3-2, etc. No number of pages limitations yet.

Languages of the Manual:

Partners agreed that the Manual should be edited in **English language**. In addition, the Manual could be also translated in the **three different partners languages, such as Italian, Spanish and Greek** but this only after having received the confirmation from the Coordinating beneficiary (Co). The Region of Molise, Civil protection Unit is the main responsible for the Manual as deliverable of the project. Mr. Capriglione will consider the budget available for translation within the framework of Grant application form and he will inform all partners as soon as possible.

Chapter 1 and Chapter 2

Prof. Francisco Vidal suggested to insert some new figures. Prof. Vidal will carry out such task including a final revision of these two Chapters in cooperation with all partners.

Chapter 3.



It is almost done. Partners agreed that the revision of this chapter should start as soon as possible.

Chapter 4 Policy recommendations. – (HERIMED & KALIVIA & CNR)

- Application of common methods and procedures.
- Local and stakeholders involvement.
- Reinforcing cooperation in the prevention field.
- Resources and capacity allocation.

Orientations: think about a few Kind of costs, optimization of resources, insurance companies involved in the risk prevention activities, etc.

Private insurance companies need to get benefits. Should we be able to involve them in the hazard reduction process, for sure we would get a quick reduction in hazard. Let me put it in another words with an example: insurance companies taking care of private insurance policies of houses will for sure start looking into the different risk factors (i.e. earthquakes; and beginning to consider some factors as microzoning in order to get different prices, in reference to different values of the considered factors as microzoning). In doing so, after a while -10 years- the hazard will have decreased (HERIMED & KALIVIA & CNR are responsible for it) .

- Promotion of national, regional and local Civil Protection platforms in which is possible the integration of governmental agencies, private firms and scientific institutions in order to collaborate to pursue natural risk reduction measures. (main responsible for it: CNR ITC of l'Aquila).
- European and international technical and policy exchanges in terms of standardized procedures, transnational collaborations and strong cooperation between countries with common borders

Orientations: look into the state of the art. PPRD South Programm to be considered, so that south Mediterranean countries could be assisted. (main responsible for it: HERIMED)

Chapter 5 Strategic guidelines on communication. - HERIMED & CNR AND KALIVIA

Orientations: Need to report, bearing in mind preventive actions, about:

- Spreading best practices in prevention.
- Promotion of research activities in regard to preventive actions.



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- The need for damage assessment and early warning tools.
- Training and information to population on risk prevention. (KALIVIA: protect myself and others)
- Trans-frontier cooperation in prominent risks or intensive disasters.
- Increased DRR awareness in government, business and the general public.

Chapter 6 Final Remarks (*HERIMED*)

- Risk prevention challenges.
- The damage assessment form coming from Italy should be not only passed to Greece and Spain, but also taught about how to fill it in.

References

In addition to the references which are placed as footnotes, there will eventually be a list of all references, organized as in publications in international journals.

Annexes

- **Annex. Lessons learned. Case study: L'Aquila**

Orientations: *this annex should be a summary of the Report already produced by Ing. Giandomenico Cifani of CNR ITC of l'Aquila.*

Partners agreed that a case study on *Earthquake Risk Prevention and Emergency Management* such as this related to l'Aquila Earthquake of April, 9th 2009, is a real **added value** for the Manual and its final users.

a) **Deadlines:**

The participants agreed that all partners contributions to each paragraph and chapter of the Manual should be delivered to Mr. Umberto Capriglione (Coordinating beneficiary - **CO**) **by the end of July 2010 at the latest.**

In fact the CO should have enough time to revise and integrate all contributions related to the final version of The Manual before the final international Seminar of Khalivia (**September 27-30, 2010**).



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Partners agreed that the Chapter 4, 5 and 6 should be completed before the end of July as a final draft version.

b) Visibility actions : Narpimed & Open Days (Regional Review).

Partners agreed that the Project and its main deliverables (including the Manual) should be published as soon as possible on the next edition of the Regional Review with focus on the Open Days.

Mr. Capriglione welcomed the Herimed proposal to get one page related to the project on the next Regional Review that focus on the Open Days.

Mr. Capriglione will inform the EC by sending a letter about the possibility to use the Narpimed budget for such additional task. In case of a positive answer from the EC, he will carry out all actions aimed at improving the dissemination of the project's results in cooperation with Herimed Organisation.



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