



PREVENTION, ANALYSIS AND TOOLS FOR CULTURAL HERITAGE



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...affecting the Cultural Heritage

- Yesterday: Assisi (1997)



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...affecting the Cultural Heritage

- Today: Aquila(2009)



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Why

- The impact of earthquake disasters on cultural heritage is usually severe and immediate and often irreparable because cultural heritage sites and items are particularly vulnerable to the effects of the disasters as they are finite, rare, valuable and non-renewable (therefore, the cost of losing them is really high).



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Acronym: PATCH

Prevention, Analysis and Tools for Cultural Heritage

Total eligible cost: € 569.055

Total EC Contribution: € 426.792

Project Duration: 24 months

Form 1 January 2010 and 31 December 2011



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Beneficiary

Centro Studi e Formazione Villa Montesca

The Centre is located in Città di Castello (Perugia), in the central Italy and has an international reputation for excellence for research and training in educational, ICT and civil protection and cultural heritage defence. The Centre has carried out some projects under the **APQ Programme – “Preservation and prevention of Cultural Heritage”**, (Institutional Agreement between the Italian Government and the Umbria Region , Presidency of the Council of Ministries – Department of Civil Protection, Ministry for Cultural Heritage, Ministry of Culture, Ministry of Economy and Finance and the Umbria Region), in particular Guidelines and tools for auto-protection, for Restoration operators in disaster situations and for Firemen. and Volunteers. The Centre has also planned, organized, implemented and coordinated the high education course DIMA – Disaster Manager. Purpose of the initiative was to train experts to deal with disaster emergencies.



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The partners

Basilica Papale e Sacro Cuore di San Francesco di Assisi

The Basilica of San Francesco, one of Italy's foremost monuments, was built between 1228 and 1253 AD. The artistic patrimony of the basilica has been reduced during the years and the earthquake of the 26 September 1997 caused deep wounds to the Basilica (in particular to some frescoes) and caused the death of four operators

University of Crete – Natural History Museum of Crete

University of Crete, is a multi-disciplinary, research-oriented Institution, situated in the cities of Rethymnon and Irakleio. It is a University with a well-known reputation both nationally and internationally, with state-of-the art curricula and graduate programs, considerable research activity and initiatives that reflect its dynamic character. It was established in 1973 and operated during the academic year 1977-1978.

Policia Local de Valencia

The Policia Local, in case of disaster, has relevant duties regarding civil protection and emergencies response and management. Furthermore, the Valencia region is one of the most seismic danger regions in Spain and the local Institutions want to be ready to response in this kind of hazard.

Consorti de la Ribera

It is an association of 47 Municipalities (Mancomunitat de la Ribera Alta and Mancomunitat de la Ribera Baixa). It has among the others the following aims: to manage the environmental and cultural Heritage patrimony and to manage projects for environmental and landscaping improvement.



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The partners

Municipality of Agios Athanasios

The Municipality of Agios Athanasios is situated in the Limassol Region in Cyprus and has been active since 1986. The municipality encompasses an industrial area, has 8 schools, and is a fast growing urban area.

Province of Perugia

The Province of Perugia is located in the centre of Italy and is the bigger one of the two provinces of the Umbria Region. Its territory extends for 6334 kmq and on its surface resides the 73,9% of Umbria population, about 645.000 inhabitants, and 59 municipalities. It is a Local Authority with statutory, normative, organisational, administrative and financial autonomy. At present the Provincia has 1130 employees: about the 35% of these are female.

Municipality of Heraklion

Heraklion is the capital of Crete, a city with a large number of museums (Archeological Museum, Historical museum, Museum for the Battle of Crete and National Resistance, Visual arts Museum, Historical Archive..), churches, monuments and places of historic interest.



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Project Acronym		P.A.T.C.H.			
Task ID	Task Title	Start Date	End Date	Actions	Deliverables
A	Management & Reporting to EC	01/01/2010	31/12/2011	A1: Definition of a Shared Protocol among the partners for the Project Management A2: Arrangements for decision making and Management tools A.3: Creation of four National Experts Commissions for supporting the elaboration and evaluating the "Guidelines on Earthquake risk management in the cultural heritage sector" (Task C) A.4: Project Quality Assurance A.5: Project meetings	D1: Shared Protocol among the partners for the Project Management D2: Kick-off meeting in Spain D3: Spreadsheet formats for the Financial Analysis and Cost Management D4: PATCH Gantt chart and Work Breakdown Structure D5: Responsibility Allocation Matrix D6: Spreadsheet formats for documenting the projected activities in relation with costs D7: Templates and Checklists for scheduling and monitoring the partners tasks D8: Quality evaluation plan D9: Quality indicators D10: Meeting in Greece D11: Meeting in Italy D12: Meeting in Cyprus D13: First Progress Report (on Task B activities) D14: Second Progress Report (on Task C activities) D15: Third Progress Report (on Task D activities) D16: Final Technical Implementation Report
B	Research on CH protection systems and procedures adopted in the partner countries	01/02/2010	31/08/2010	A.6: Historical and bibliographical research. Technical and risks analysis.	D17: Research publication: <ul style="list-style-type: none"> • Historical report on earthquake CH damages occurred in the partner countries • Analysis of the CH safeguard systems and procedures in the partner countries • Statistic and methodological analysis of the critical levels of the current protection and prevention procedures • Variables that influence the procedures for prevention and CH safeguard in emergency condition



Project Acronym		P.A.T.C.H.			
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C	Earthquake risk management in the cultural heritage sector	01/06/2010	31/12/2010	A.7: International Best practices Analysis A.8: Market search on existing tools and systems A.9: Protocol and procedures for cultural heritage and people protection in earthquake events	D18: Guidelines First Version: <ul style="list-style-type: none"> • Best practices analysis • Innovative tools and technologies survey • Protocol and procedures identification
D	Protocol and procedures: Testing and Implementing	01/01/2011	31/10/2011	A.10: Elaboration of a Training Manual addressed to emergency team operators and CH operators A.11: Identification of the testing sites A.12: Second life Training activities A.13: Training activities in presence (theoretical and practical part) A.14 Evaluation, Analysis of critical situations and corrective actions to take A.15 Gathering of data from the testing and training activities and editing	D.19: Training Manual (instructions for Guidelines use, containing specific training paths for different operators involved) D.20: Second-life resources for training activities D.21: Training courses in presence <ul style="list-style-type: none"> • Theoretical part • Practical part (drills in situ)
E	Exploitation	01/01/2011	31/12/2011	A.16: On-line courses (addressed to emergency team operators and CH operators) A.17: Online Community A.18: Four National Workshops	D.22: On-line courses D.23: On-line Community D.24: Four National workshops
F	Dissemination	01/05/2010	31/12/2011	A.19: Dissemination Plan realization A.20: Organizational Committees singling out A.21: Project Web-site realization A.22: Project Brochures definition and printing A.23: Project Video-Dossier realization A.24: Layman's Report on paper and in electronic format editing A.25: Publications in specialized journals and newspapers A.26: PATCH Newsletter realization A.27: Realization of the Project Final Conference in Bruxelles	D.25: Dissemination Plan D.26: Project Web-site D.27: Brochures D.28: Video-Dossier D.29: Layman's Report on paper and in electronic format D.30: Publications in specialized journals and newspapers D.31: PATCH Newsletter (5 issues) D.32: Guidelines Publication (final version) D.33: Final Conference in Brussels



Follow up

- The principal aim of PATCH project is to create a network at European level that links together civil protection operators and CH professionals in order to establish high level quality intervention to contribute to CH and people safety in earthquake emergencies
- After the end of the project the realized Tools (web site with the online community space and the online courses including the [Second life Virtual Training](#)) will be maintained active
- National CH and Museums Networks in each partner country will be involved to make the guidelines and PATCH products known and adopted in several European CH sites and institutions and to lay the foundations for the establishment of permanent CH teams with knowledge of the more appropriate general behaviour and response to earthquake events



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Main events

- Kick-off meeting and first Project Conference. Assisi, Basilica Papale (It), 5 march 2010 (*date to be confirmed*)
- Four National Workshops (Rome (it), Valencia (Es), Crete (Gr), Nicosia (Cy) (Jan-Oct 2011)
- Final Conference December 2011 in Bruxelles
- European Second Life Virtual Training, February 2011



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