

Actions of ECPFE for the Seismic Protection of Monuments

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Abstract

ECPFE operates within the framework of the European and Mediterranean Major Hazards Agreement (EUR-OPA), a partial agreement, which set up in 1987.

EUR-OPA Major Hazards Agreement is a platform for co-operation in the field of major natural and technological disasters between Europe and the South of the Mediterranean. Its field of competence covers the major natural and technological disasters - knowledge, prevention, risk management, post-crisis analysis and rehabilitation.

The main objectives of the EUR-OPA Major Hazards Agreement are: to foster co-operation in a multidisciplinary approach; to share and disseminate knowledge of the different hazards; to reduce the vulnerability of populations and increase their preparedness for disaster through education on risks and the identification and prevention of risks; to develop methods and tools for an improved disaster management by competent authorities; to promote assistance to decision making, training and technical co-operation; to improve emergency action, post-crisis analysis and rehabilitation.

At the political level, the decisional body for EUR-OPA is the Ministerial Session, which is held every four years. The Ministerial Sessions are assisted by the Committee of Permanent Correspondents, which meets once or twice a year.

At the scientific and technical level, the annual meeting of the directors of the network of the 27 Specialised Euro-Mediterranean Centres debates scientific orientations in line with the objectives proposed by the Ministerial Meeting and/or the Committee of Permanent Correspondents.

Since 1989 ECPFE and EPPO have activated in the Sector of Seismic Protection of Cultural Heritage, both in National and Trans-European level, in collaboration with the Ministry of Culture, the EC of Ravello (CUEBC), Skopje (ECILS), Bulgaria (ECRP), Romania (ECBR), Portugal (CERU), Armenia (ECRM) and European Council of Civil Engineers (ECCE).

The present Workshop is part of joint activity with the European University for the Cultural Heritage of Ravello the European Interregional Scientific and Educational Centre on Major Risks Management in Yerevan of Armenia and the European Council of Civil Engineers.

In the topic of Protection of Monuments several Seminars and Workshops have been organized and a number of Technical Reports have been published by ECPFE in collaboration with EPPO. Worth to be mentioned the following seminars or workshops and technical publications.

Seminars or Workshops:

Historical and Monumental Structures in Seismic Regions, *Santorini, 14-16 October 1993,*

Restoration of Historical Buildings in Seismic Areas: The Case of Settlements in the Aegean, *Lesvos Island, 24-26 May 2001,*

Aseismic Interventions to Monuments and Historic Settlements, *Athens, 16-17 February 2006,*

Strategies towards Seismic Protection of Monuments, Athens, 26-27 February 2009,
Seismic Risk Assessment in Specific Areas with Monumental Structures, Athens, 6-10 December 2010,

The Protection of the Integrity of Monuments under Seismic Actions, Thessaloniki, 3-5 November 2011.

Technical Publications:

Seismic Behavior of Historic and Traditional Constructions: The Case of the Aegean Islands, *P. Touliafos (in Greek), 2002,*

Topics in Geotechnical and Interaction Soil-Monuments, *G. Boukovalas, G. Gazetas, I. Konstantopoulos, K. Pitikalis, I. Kavvadas, I. Anastasopoulos & V. Dimitriadi (in Greek), Extended Abstract in English, Athens 2009,*

Framework Regulatory Document for Structural Interventions to and Seismic Protection of Monuments, *EPPO – ECPFE, Th. Tassios (coordinator), Kappos A., Miltiadou N., Papantonopoulos K., Peli E., Stylianidis K. & Xarkiolakis N., (in Greek) 2010- Short Version in English 201,2*

Earthquake and Historical Cities, *S. Dritsos, Facing Risks Together, 25 Years of Cooperation (1987-2012), European and Mediterranean Major Hazards Agreement (EUR-OPA), Council of Europe, p.p. 46-49 and 96-97, 2012,*

State of the Art Report for the Analysis Methods for Unreinforced Masonry Heritage Structures & Monuments, *S. J. Pantazopoulou, (in English) October 2013,*

KAΔΕΤ, Assessment and Retrofitting Code of Masonry Structures (Internal Reports), *Task Group EPPO, S. Dritsos (coordinator), M. Chronopoulos., Ch. Ignatakis., T. Karantoni, Ch. Kostikas., A. Miltiadou., M. Panoutsopoulou, S. Pantazopoulou., K. Stylianidis, Th. Tassios. & E. Vinzilaïou, , 2011-2013.*