Università
Ca'Foscari
Venezia

TITOLO PROGETTO: **EMERISDA - Effectiveness of methods against rising damp in buildings: European: practice and perspective**

PROGRAMMA DI FINANZIAMENTO: **JPI Cultural Heritage**

BANDO: **JPI - Pilot Call**

STRUTTURA (DIPARTIMENTO/CENTRO): **DIPARTIMENTO DI SCIENZE AMBIENTALI, INFORMATICA E STATISTICA**

DATI FINANZIARI:

Costo complessivo del progetto	Finanziamento Complessivo Assegnato
596.194,00	393.129,00

SINTESI DEL PROGETTO:

Rising damp is a recurrent hazard to ancient buildings in Europe and its relevance is expected to increase in the future, due to climate changes. The presence of rising damp in walls does not only create an unpleasant climate in buildings, but it also enhances damage processes as frost action, salt crystallization and biological growth, with possible consequences on the health of the inhabitants. The relevance of this problem is reflected by the large variety of products on the market. This wide and differentiated offer, together with the scarce and fragmented scientific information on the effectiveness of the methods, make it difficult (even) for the professionals working in the field to choose a suitable intervention on a sound basis. The aims of this project are to come to a scientifically based evaluation of the effectiveness of different methods against rising damp and to a define decision support tool for a conscious choice and successful use of these methods in the practice of conservation. These aims will be achieved by sharing the knowledge, until now diffused over EU, and by acquiring new knowledge through the application of selected methods in case studies.

The co-operation between research institutes, conservation authorities and SMEs guarantees: (i) easy access to documentation on case studies, (ii) independent and scientifically based evaluation of interventions, and (iii) successful dissemination of results.

The nature of this research and the ambitions of the project need a European dimension to be successful. The involvement of the selected partners is necessary when considering the diffusion of the problem at European scale and the urgency of finding effective solutions. Collaboration allows to: (i) share knowledge and join efforts towards a common objective; (ii) guarantee a complete overview of existing methods, (iii) enhance dissemination of the research findings and (iv) build up a European network of experts with state of the art knowledge.

Inizio attività (previsione)	Fine attività (previsione)
1 Febbraio 2014	31 Gennaio 2017

PARTENARIATO:

1	Belgian Building Research Institute	BRUSSEL (BE)	Coordinator
2	Italian National Research Council – Institute of Atmospheric Sciences and Climate	ROMA (IT)	Partner
3	Delft University of Technology, Faculty of Architecture	DELFT (NL)	Partner
4	The Cultural Heritage Agency	AMERSFOORT (NL)	Partner
5	Ca' Foscari University of Venice	VENEZIA (IT)	Partner
6	C.R.S.A. (Environmental Research and Consulting Center) Medingegneria S.r.l.	MARINA DI RAVENNA (IT)	Partner
7	Special Restoration Ltd. of Pambianco Geom. Mauro, single member	SANT'ELPIDIO AL MARE (IT)	Partner
8	DIASEN	SASSOFERRATO (IT)	Partner