



CENTRO UNIVERSITARIO EUROPEO
PER I BENI CULTURALI



**European Course on
MANAGEMENT AND PROTECTION OF CULTURAL HERITAGE
FACING CLIMATE CHANGE
*4-8 October 2010***

Our urban landscape and built heritage are designed in line with the local climate specificities. As our Cultural Heritage as a whole is exposed to the atmosphere over long periods of time and therefore exposed to attack from pollutants and natural weathering processes, climate change is thus expected to have either catastrophic or subtle effects on Cultural Heritage materials and Cultural Landscapes.

The main objective of the 2010 Ravello Course is to ensure that young European students and professionals are informed on these important issues and will be able to undertake future rigorous scientific monitoring of changes in relation with cultural heritage.

The Programme of the Course will cover the following topics:

- European Research on Cultural Heritage and Climate Change
- Climate Change models and their uncertainties
- Heritage Climatology and damage functions
- Principles of Adaptation and Resilience of Cultural Heritage to Climate Change
- Impact of Climate Change on building structures
- Dose-Response and damage functions for materials in a changing climate
- Modelling sea salts transport and deposition
- Modelling wetting and drying of historic buildings
- Impact of Climate Change on building materials: stone, mortar, modern glass, stained glass windows
- Impact of Climate Change on organic materials
- Biological impact of Climate Change on Cultural Heritage
- Stock of materials at risk in Paris, Venice and Rome
- River floods and museum storages
- Cultural Landscapes and Climate Change
- Sea level rise models and possible application to Cultural Heritage
- The policies and action plans of UNESCO in climate change scenario

The lecturers belong to European Universities, National Research Centres and International Organisations:

- Peter Brimblecombe, Professor of atmospheric chemistry and senior editor of Atmospheric Environment School of Environmental Sciences, University of East Anglia,
- Dario Camuffo, ISAC-CNR Padova
- Giulia Caneva, University Professor University "Roma Tre"
- May Cassar, Director Centre for Sustainable Heritage, University College London (UCL)
- Sylvie Colinart, Ministère de la culture et de la communication, Département de la recherche, de l'enseignement supérieur et de la technologie, Paris, France
- Michel Deque, Météo-France-CNRM
- Milos Drdacky, Director of Institute of Theoretical and Applied Mechanics (ITAM)
- Eladio Fernandez-Galiano, Executive Secretary European and Mediterranean Major Hazards Agreement (EUR-OPA) Council of Europe
- Ferruccio Ferrigni, University of Naples
- Terje Grøntoft, Senior scientist Norwegian Institute for Air Research (NILU)
- Anda Ionescu, University Paris 12
- Roman Kozłowski Institute of Catalysis and Surface Chemistry ICSC, Polish Academy of Sciences
- Roger-Alexandre Lefevre, Professeur émérite à l'Université Paris XII
- Cristina Sabbioni, Institute of Atmospheric Sciences and Climate (ISAC) of the Italian National Research Council (CNR)
- Cesereo Saiz-jimenez, Instituto de Recursos Naturales y Agrobiología CSIS
- Johan Tidblad, Swedish Corrosion Institute
- Fabio Trincardi, Institute for Maritime Science ISMAR-CNR

The Course is addressed to young people and professionals with humanistic background: historians, art historians, conservators, restorers, managers of Cultural Heritage, etc.

There is no registration fee. The organisation will cover part of the travel and subsistence expenses for a limited number of participants after careful examination and selection of the applications (see call for application).

On request, students may benefit of 3 ECTS (European Credit Transfer System) after agreement with their own university.



The course will be held on the premises of Villa Rufolo in Ravello, Italy, from 4 to 8 October 2010.

Deadline for application: 30 June 2010.

Information and application forms:

- European University Centre for Cultural Heritage, Villa Rufolo, I-84010-Ravello, Italy, www.univeur.org / univeur@univeur.org
- or Council of Europe, EUR-OPA, DG IV, F-67075-Strasbourg Cedex, www.coe.int/euoparisks /europa.risk@coe.int