CALL FOR ABSTRACTS
The authors are invited to submit a preliminary abstract (1 page maximum) by November 18, 2019, using the on-line form of the site (www.scienzaebeniculturali.it) or e-mail (convegno@arcadiaricerche.eu).
More information at www.scienzaebeniculturali.it or contacting the conference’s secretary: info@scienzaebeniculturali.it

KEY DATES
Submission of one page abstract 18th november 2019
Notification regarding general abstract submissions 20th Dec 2019
Submission of full papers 28th Feb 2020
Feedback from the SC 27th april 2020
Final full papers acceptance 18th may 2020

PAYMENT OF REGISTRATION FEES:
(in EUR include 22% Italian VAT)
-for students euro 200,00 -full rate euro 300,00

BANK TRANSFER:
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The interaction of water with cultural heritage undoubtedly is one of the most important topics for all people involved in historic preservation.

The subject is so wide, that it is necessary to confine the conference to the topics, which have the closest connection with practical restoration activities and, in particular, to those in which water is a degradation factor, or it is used in the restoration operations. Issues in which water plays different roles are therefore excluded, as it is the case of buildings and complexes whose function is linked to the use of water, such as thermal buildings, swimming pools, hydroelectric power stations and, to a large extent, landscape assets.

With reference to built heritage, the conference aims to reflect on: the effects of water on the building components-parts: brick, stone, wood, plaster, metals, etc., and complementary ornamental and / or decorative elements, the current prevention methodologies, defence methods and the related phenomena, to be evaluated through independent instrumental analysis and a critical assessment on the basis of the test of time.

With reference to historical buildings with decorative elements or museum expositions sensitive to variations of hygrothermal conditions, the control of the relative humidity of the ambient is fundamental for a proper design of systems. Based on case studies, a critical discussion on the effects over time of the adopted technical solutions is suggested.

Due to the strict relations between indoor microclimate and comfort, critical evaluations on the effects on materials and architecture of internal and external insulation systems are also of interest.

Among the most recent topics related to climate change, which also includes the risk of coastal erosion and high water, the conference intends to address mainly the effects of weathering - and the related methodologies of prevention and contrast - both on historical buildings made of more resistant materials, as well as on vernacular architecture, characterized by the use of more vulnerable construction solutions and materials such as wood, plaster, raw earth, etc.. With reference to both climate change and human-induced actions, the conference aims to address the effects of water on architecture and the landscape policies due to the progressive rise of sea level, coastal erosion, natural and induced subsidence, and bradyseism.

Original case studies on analytical techniques, conservation practice and monitoring protocols for submerged structures, both related to submerged architecture elements (walls, foundations, components, etc..) and to archaeological remains (wood and submerged metals, structures of various kinds), would be considered.

The role of water as a material for restoration, with reference to conservation techniques and the effectiveness and effects in relation to the characteristics and forms of alteration / degradation, would be of interest.

The conference will collect studies, researches, reflections and experiences, recent or in progress, concerning the effects of water on cultural heritage, articulated in the following five tracks:

1) Water "from invasion":
- Methodologies and techniques against capillary rise,
- Prevention and diagnosis of water infiltration,
- Use of innovative materials and technologies

2) Indoor microclimate:
- The recovery of damp rooms,
- Technologies and solutions for microclimate control aimed at the preventive conservation of collections, decorations, archival and book heritage,
- Mechanical systems for the control of the microclimate,
- Effects of building insulation systems, comfort and energetic efficiency interventions on buildings materials and components are as well of interest.

3) Climate change:
- Risks for the conservation of historical buildings and their context with particular reference to the effects of rising sea level, coastal erosion, natural and induced subsidence, the impact of human activities on groundwater and reservoirs;
- The high vulnerability to atmospheric agents of archaeological sites and vernacular architecture, in particular of buildings made of more sensitive/perishable materials such as wood, plaster or raw earth, due to the frequency and intensity of atmospheric precipitation;
- The impact of human activities on aquifers and other water reservoirs and the consequent impact on cultural heritage and the territory

4) Water in Restoration:
- The use of water in restoration and conservation practices/interventions;
- Water as a solvent,
- Effects of the use of water in fire fighting emergencies

5) Water in archaeological contexts (visible, non-visible and submerged structures):
- Water management in archaeological sites;
- Conservation issues of archaeological structures subjected to variations in humidity;
- Degradation processes, restoration techniques and behaviour of materials and submerged architectural structures over time.

The aim of the Convegno Scienza e Beni Culturali 2020 is therefore to collect reflections and experiences on these issues from different perspectives. When submitting, authors are invited to preliminary indicate the session for which the contribution is proposed.

For all sessions, the contributions will have to explain both the scientific problem faced, and the real experiences including instrumental/analytical verification. The Conference will not accept: theoretical works without application feedback, case studies missing a clear reference to a problem, to the state of the art or to the innovation produced by the proposed paper.

CALL FOR ABSTRACTS
General information
A. Title of the paper
B. Author's name, University / Organisation, email address
Introduction to the topic:
What is the hypothesis or the purpose of the research? Why has the study been undertaken?
Suggested track
The session(s) that the author finds as the most relevant to her/his topic, and why
Case study
Which is the case discussed? Which are the methodologies applied and/or implemented? Have experimental measurements carried out (if relevant), and which ones? What kind of data does the study employ? How does the study critically verify its hypothesis?
Theoretical framework
To which literature, previously published researches or theoretical issues, does the study refer?
Results / Analysis: How does the proposed study respond to its research question(s)? Have the initial hypothesis of the study validated?
Discussion
What is the relevance of the results obtained? How do the results relate to the current interpretation of the issue? Which questions/perspectives does the study open-up for future researches?