

## **Cristina Sabbioni**

### Biographical note

Cristina Sabbioni is Director of the Institute of Atmospheric Sciences and Climate of the Italian National Research Council (CNR ISAC). Her main scientific interest is damage to Cultural Heritage due to atmospheric interactions, and the research results obtained have been presented at international conferences and published in international scientific reviews (180 papers).

She has been project leader in national and EU projects on damage to Cultural Heritage since 1984. She has coordinated EC Noah's Ark Project on "Global Climate Change Impact on Built Heritage and Cultural Landscapes".

She has been Chairperson of the Expert Advisory Group (EAG) of the Key Action 'The City of Tomorrow and Cultural Heritage' within the 5th EU FP.

Since 1999 she is Professor of 'Environmental impact on Cultural Heritage' at the University of Bologna.

Since 2010 is part of the Coordination of the Joint Programming Initiative (JPI) "Cultural Heritage and Global Change: a new challenge for Europe".

### Title

Heritage and Climate Change

### Abstract

Heritage, which is a non-renewable resource, is a sector extremely complex for the diversity of materials, structures and systems.

Research on the threats that climate change will have on cultural heritage has been limited and it has not yet generated policies designed to mitigate the impact and to develop preventive adaptation strategies.

The presentation will be focused on future scenarios on the effects of climate variables on the vulnerability of cultural heritage at European level. It will be in particular showed the likely impact on the outdoor heritage, e.g. archaeological sites, monuments and historical buildings, for a number of forcing factors and related heritage parameters.

Recommendations on the inclusion of cultural heritage in the national adaptation strategies and plans to climate change will also be discussed.