GLOBAL CLIMATE CHANGE IMPACT ON BUILT HERITAGE AND CULTURAL LANDSCAPES

Fact Sheet

Project Information

NOAHS ARK

Grant agreement ID: 501837

Project website

Project closed

Start date
1 June 2004

End date
31 May 2007

Funded under
Policy support: Specific activities covering wider field of research under the Focusing and Integrating Community Research programme 2002-2006.

Total cost
€ 1 762 380,00

EU contribution
€ 1 175 520,00

Coordinated by
CONSIGLIO NAZIONALE DELLE RICERCHE
Italy

Objective

Climate change over the next 100 years will likely have a range of direct and indirect effects on the natural and material environment, including the historic built environment. Important changes will include alterations in temperature, precipitation, extreme climatic events, soil conditions, groundwater and sea level. Some processes of building decay will be accelerated or worsened by climate change, while others will

be delayed. The impacts on individual processes can be described, but it is difficult to assess the overall risk posed by climate change using currently available data . Linking global changes to the response of material surfaces of archaeological and historic structures remains a challenge. The objectives of the NOAH'S ARK Project are:- To determine the meteorological parameters and changes most critical to the built cultural heritage.- To research, predict and describe the effects of climate change on Europe's built cultural heritage over the next 100 years.- To develop mitigation and adaptation strategies for historic buildings, sites, monuments and materials that are likely to be worst affected by climate change effects and associated disasters.- To disseminate information on climate change effects and the optimum adaptation strategies for adoption by Europe's cultural heritage managers through a conference and guidelines.- To provide electronic information sources and tools, including web-based Climate Risk Maps and vulnerability Atlas for heritage managers to assess the threats of climate change in order to visualize the built heritage and cultural landscape under future climate scenarios and model the effects of different adaptation strategies.- To advise policy-makers and legislators through the project's Policy Advisory Panel. The results will allow the prediction of the impact of climate and pollution on cultural heritage and investigation of future climate scenarios on a European scale.'

Fields of science (EuroSciVoc)

natural sciences > earth and related environmental sciences > environmental sciences > **pollution**

natural sciences > earth and related environmental sciences > atmospheric sciences > climatology > **climatic changes**

Programme(s)

FP6-POLICIES - Policy support: Specific activities covering wider field of research under the Focusing and Integrating Community Research programme 2002-2006.

Topic(s)

POLICIES-3.6 - The protection of cultural heritage and associated conservation strategies

Call for proposal

FP6-2002-SSP-1
See other projects for this call

Funding Scheme

STREP - Specific Targeted Research Project

Coordinator

CONSIGLIO NAZIONALE DELLE RICERCHE

EU contribution

No data

Total cost

No data

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Participants (10)

UNIVERSITY COLLEGE LONDON

United Kingdom

EU contribution

No data

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EU contribution

No data

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CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

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EU contribution

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ECCLESIASTICAL INSURANCE GROUP

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ÚSTAV TEORETICKÉ A APLIKOVANÉ MECHANIKY AKADEMIE VED CESKÉ REPUBLIKY

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