

HERACLES PARTNERS


Gubbio Town Hall, Italy





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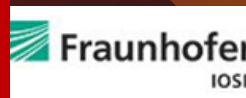
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 Heracles - European Project

HERACLES CONSORTIUM

The Consortium is constituted by 16 entities from 7 countries:



HERACLES



HERACLES

HEritage Resilience Against
CLimate Events on Site



OVERVIEW OF THE HERACLES PROJECT

HERACLES main objective is to design, validate and promote responsive systems/solutions for effective resilience of Cultural Heritage (CH) against climate change effects, considering a holistic, multidisciplinary approach through the involvement of end-users, industry/SMEs, scientists, conservators/restorators, social experts, decision and policy makers.

Solutions envisaged include an ICT platform to integrate multisource information for situational awareness and improving CH resilience, as well as new materials for maintenance, conservation, remediation and restoration actions. Climate forecast models and remote geo sensing for mapping and preventing geo-hazards will also be developed. HERACLES expects to achieve wide audience awareness through suitable communication, education and training activities to share vision and progresses obtained, taking into account economic sustainability, future acceptance by the market, social impact for public and local communities while respecting the integrity of CH and the value it holds for communities.



CASE STUDIES

CRETE, GREECE

Minoan Knossos Palace



Venetian coastal fortress of Koules



GUBBIO, ITALY

Medieval Wall and High Town



HERACLES project has received funding from the European Union Framework Programme for Research and Innovation HORIZON 2020 under Grant Agreement n°700395

HORIZON 2020

-Funding 6.564.313.75 Euro

-Starting date 1st May 2016

TOPIC: DRS-11-2015

Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and artefacts

SCOPE

Develop eco-innovative solutions to help mitigate the effects of climate change and natural hazards on cultural heritage sites, structures and artefacts taking into account the values they hold for people and respecting their historic and cultural integrity. Effective adaptation strategies, systems and technologies for better risk management of vulnerable heritage materials and for mitigating damage to cultural heritage assets. Innovative environmental assessment methodologies, integrated monitoring technologies and systems, improved non-invasive and non-destructive methods of surveying and diagnosis including wide area surveillance, cost-effective conservation and restoration techniques, risk management, disaster prevention and quick damage assessment when catastrophes occur.