



ARCHITECTS' COUNCIL OF EUROPE  
CONSEIL DES ARCHITECTES D'EUROPE



# Strengthening Cultural Heritage Resilience for Climate Change

Climate Change and Built Heritage

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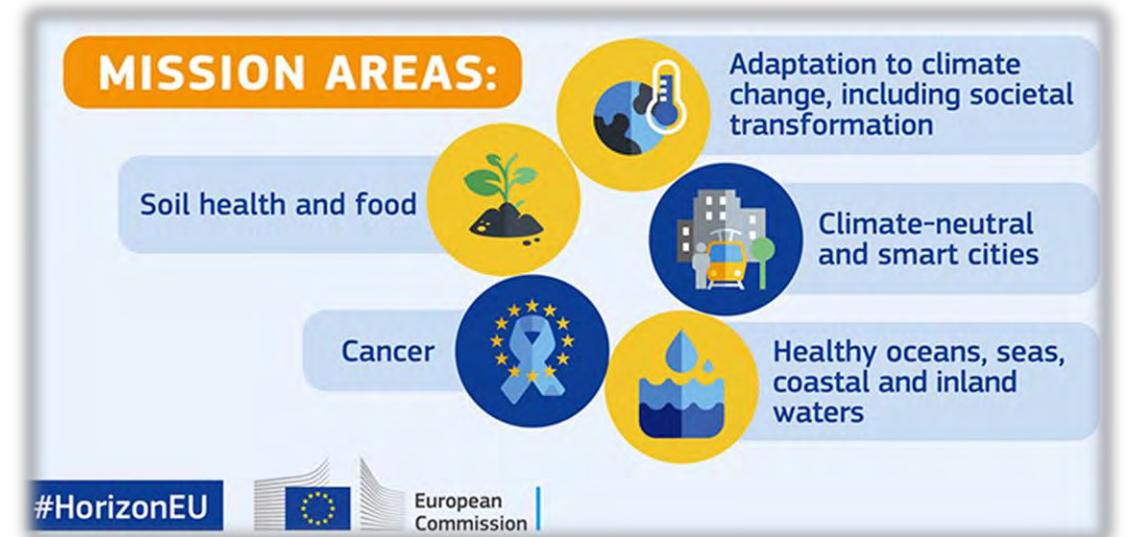
# Relevant EU programmes and projects (Examples)

## Horizon 2020 and previous programmes

- Noah`s Ark <https://cordis.europa.eu/project/id/501837>
- Climate for Culture <https://www.climateforculture.eu>
- STORM <http://www.storm-project.eu/>
- HERACLES <http://www.heracles-project.eu/>
- CLIC <https://www.clicproject.eu/>
- ARCH <https://savingculturalheritage.eu/>
- Hyperion <https://www.hyperion-project.eu/>
- CHICC <https://cordis.europa.eu/project/id/895147>
- YADES <https://cordis.europa.eu/project/id/872931>

## Other funded programmes

- CHARTER (Erasmus+): <https://www.charter-alliance.eu/>
- ProCultHer <https://www.proculther.eu/>
- LIFE-IP AdaptInGR <https://www.adaptivegreece.gr/en-us/>



**Horizon 2020:** more than 600m EUR on cultural heritage projects

**Horizon Europe, Cluster 2** “Culture, Creativity and Inclusive Society”: total budget of 2.28bn EUR.

**33m EUR will be invested in culture & climate change under first work programme (2021-22)**



# Council Work Plan for Culture 2019-22

## 6 priorities

- **Sustainability in cultural heritage**
- Cohesion and well-being
- An ecosystem supporting artists, cultural and creative professionals and European content
- Gender equality
- International cultural relations
- Culture as a driver for sustainable development

***18 actions over 4 years***

# OMC Group (Council Work Plan for Culture 2019-2022)



## Title - Strengthening Cultural Heritage Resilience for Climate Change

OMC working groups are composed of and chaired by experts nominated by EU Member-States (**25 MS + 3**)

The mandate directly linked to UN SDG 13 *“Take urgent action to combat climate change and its impacts”*

Other relevant SDGs include 7, 11, 14, 15 and 17, also in mandate European Green Deal, “Paris Agreement”, UN Sendai Framework for Disaster Reduction 2015-2030, IPCC, Council Conclusions on Risk Management in area of Cultural Heritage May 2020



# Objectives

- Identify & exchange good practices & innovative measures for protection of cultural heritage (including both tangible & intangible)
- Examine the current & emerging threats & impacts of climate change on cultural heritage
- Examine contribution cultural heritage can make to mitigating & combatting climate change in line with European Green Deal's goals

# Outcomes

Lead to **awareness-raising**, **capacity-building** & **produce recommendations** to contribute to discussions & planning of climate change measures at European & national level.

@National Monuments Service, Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media



# Questionnaire

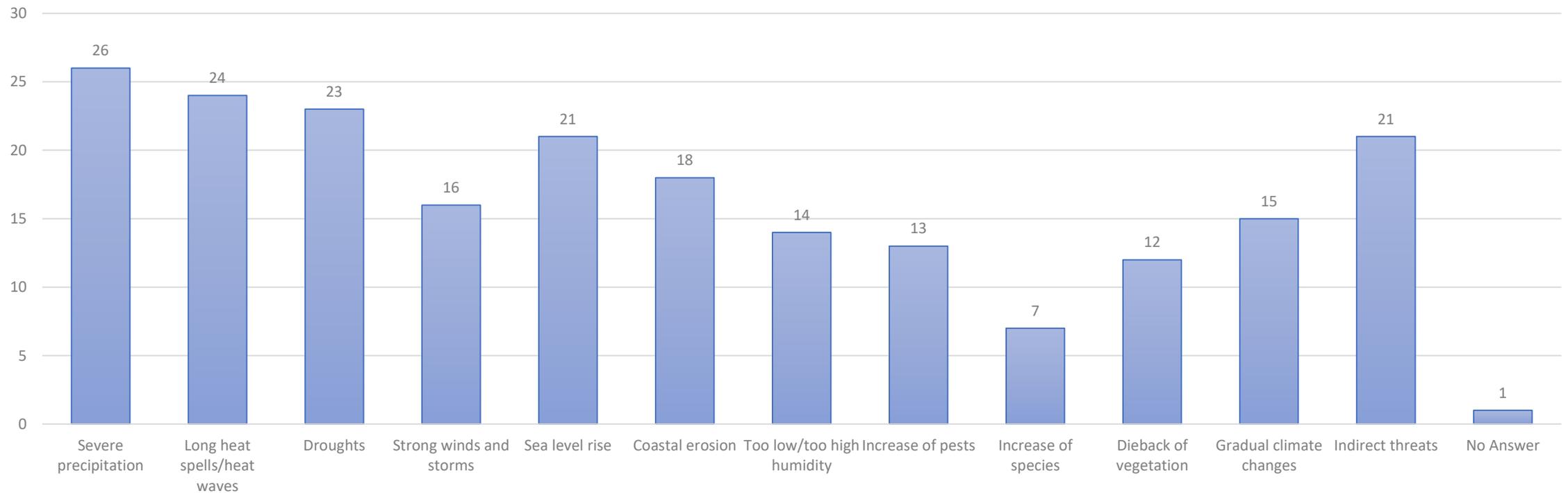


Knowledge about climate change on cultural heritage mostly on **immovable heritage** - but still very little reliable data in general for cultural heritage

Members - appears to be need for common space where information, data, knowledge, and best practices can be exchanged & shared

# Threats and impacts of Climate Change on built heritage

Evident threats in future



# Best Practice Case Studies –work in progress

Good practices – tangible and intangible (including underwater, cultural landscapes etc.)

Geographic and climate zone

Type e.g. research project, policy development, training etc

How is climate change being taken into account?

The innovative character? (CO<sub>2</sub> reduction, energy efficiency, public awareness, learning model etc)

Challenges / Stakeholders / Budget / Incentives?



## Adaptation example

**Slovenia** - extreme climate event - sleet in February and March 2014

Methodology development - rehabilitation of a garden architectural heritage after a sleet.

Development of methodology by scientists. Scientific study/approach.

## Mitigation example

**Austria** - Air well system

Evaluation of an air cooling system from 19th century.

Evaluate the effectiveness of the 'old' air well system.

Evaluate minimal-invasive options to optimise reduction of heat in auditorium and CO<sub>2</sub> saving

# Research and Innovation example

**Germany** / EU Climate for culture - research and training.

Assess future impact of climate change until 2100 on indoor climate conditions in historic houses

High-resolution climate models with building simulation tools

# Training/Policy Development example

**Croatia** - dry stone walling research project, training, focused on youth

Dry stone structures play vital role in preventing landslides, floods and avalanches, and in combating erosion and desertification of the land, enhancing biodiversity and creating adequate microclimatic conditions for agriculture



## Sub-working groups

- Renovation, energy efficiency & mitigation
- Cultural Heritage & Climate Change adaptation
- Research & innovation
- Awareness raising, education, training & policy development



# Additional information

[KIC call-for-proposals-scaling-the-new-european-bauhaus-ventures](#) DDL 17  
December 2021

[New European Bauhaus](#)

OMC on cultural dimension of sustainable development

[Council Conclusions 6 Oct 2021](#) – calling upon all parties, to come forward with ambitious Nationally Determined Contributions (NDCs) and recognise the need to step up adaptation efforts collectively

[OMC High-quality architecture and built environment for everyone](#)

[ICOMOS updated Quality Principles for EU-funded interventions with potential impact on cultural heritage](#) and [Abridged version](#)

[Sustainable cultural tourism \(SCT\) OMC member states working group report](#)

[European Cultural Heritage Green Paper, Europa Nostra in cooperation with ICOMOS & Climate Heritage Network, with input of members of European Heritage Alliance](#)

# Thank you



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*The legacy continues  
by past*

**OUR HERITAGE:  
WHERE THE PAST  
MEETS THE FUTURE**

**2018**   
**EUROPEAN YEAR  
OF CULTURAL  
HERITAGE**  
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