

# Saving the past to preserve the future

## PROTECTING CULTURAL HERITAGE

### Models to protect cultural heritage from climate change and natural hazards

As communities adapt to the impacts of climate change, it is increasingly clear that cultural heritage protection must be a part of the picture. Much like other parts of affected communities, historic areas are at risk, along with all of their landmarks, historic buildings, and other cultural assets. These areas are often left aside in conversations about resilience, but they are in need of protection from climate-related and other hazards.

The development of data-driven and multi-hazard models and disaster risk management methods are the place to start. From there, these tools can support decision making and knowledge sharing — all for a more resilient future for cultural heritage and historic areas.

### European Cultural Protection projects - Task Force

Three complementary projects funded by Europe's Horizon 2020 Research and Innovation programme support the resilience of cultural heritage by leveraging tools, services and new technologies.

### Results



Preserve cultural heritage and historic areas from the effects of climate change and natural hazards.



Leverage existing tools and technologies to deliver an integrated resilience assessment platform.



Bridge the gap between climate adaptation, disaster risk management, and cultural heritage management. This includes addressing new solutions for the maintenance and conservation of historic areas.

## PROTECTING CULTURAL HERITAGE



The **HRB - Horizon Result Booster** is an initiative funded European Commission, Directorate General for Research and Innovation, Unit J5, Common Service for Horizon 2020 Information and Data.

Capture QRcode  
or follow this URL

[www.horizonresultsbooster.eu](http://www.horizonresultsbooster.eu)



# Saving the past to preserve the future

## PROTECTING CULTURAL HERITAGE

### Challenges

- ♦ **Scientific:** Develop models, methods and datasets to support decision-making towards green, safe and inclusive systems that incorporate the protection of cultural heritage.
- ♦ **Technological:** Create new technologies and risk assessment tools to understand the impacts of climatic, environmental and natural hazards on historical areas.
- ♦ **Industrial:** Establish rules and regulations to define a better future for historic areas and cultural heritage, and the communities around them.

### Who benefits?



Policy Makers  
& Cultural  
Heritage  
Managers



Consultants,  
Service  
Providers of  
Innovation  
Platforms



Research &  
Academia  
in the Field of  
Cultural Heritage



Civil Society,  
NGOs and  
Citizens

### Meet the Projects

**Shelter**

**SHELTER** - Establishment of cross-scale, multidimensional, data-driven and community based operational knowledge framework for heritage-led and conservation-friendly resilience enhancement. [shelter-project.com](https://shelter-project.com)

Grant Agreement No. 821282

**Hyperion**

**HYPERION** - Development of a Decision Support System for Improved Resilience & Sustainable Reconstruction of historic areas to cope with Climate Change & Extreme Events. [hyperion-project.eu](https://hyperion-project.eu)

Grant Agreement No. 821054

**ARCH** SAVING CULTURAL HERITAGE

**ARCH** - Preservation of cultural heritage from hazards and risks through the co-creation of tools that help cities save cultural heritage from the effects of climate change. [savingculturalheritage.eu](https://savingculturalheritage.eu)

Grant Agreement No. 820999



Credit: © Visual History of the Holocaust / M. Loebenstein

Capture QRcode  
or follow this URL

[www.horizonresultsbooster.eu](https://www.horizonresultsbooster.eu)



The **HRB - Horizon Result Booster** is an initiative funded European Commission, Directorate General for Research and Innovation, Unit J5, Common Service for Horizon 2020 Information and Data.