

# Applied Digital Methods

Cultural Heritage Informatics Fellowship  
25-26



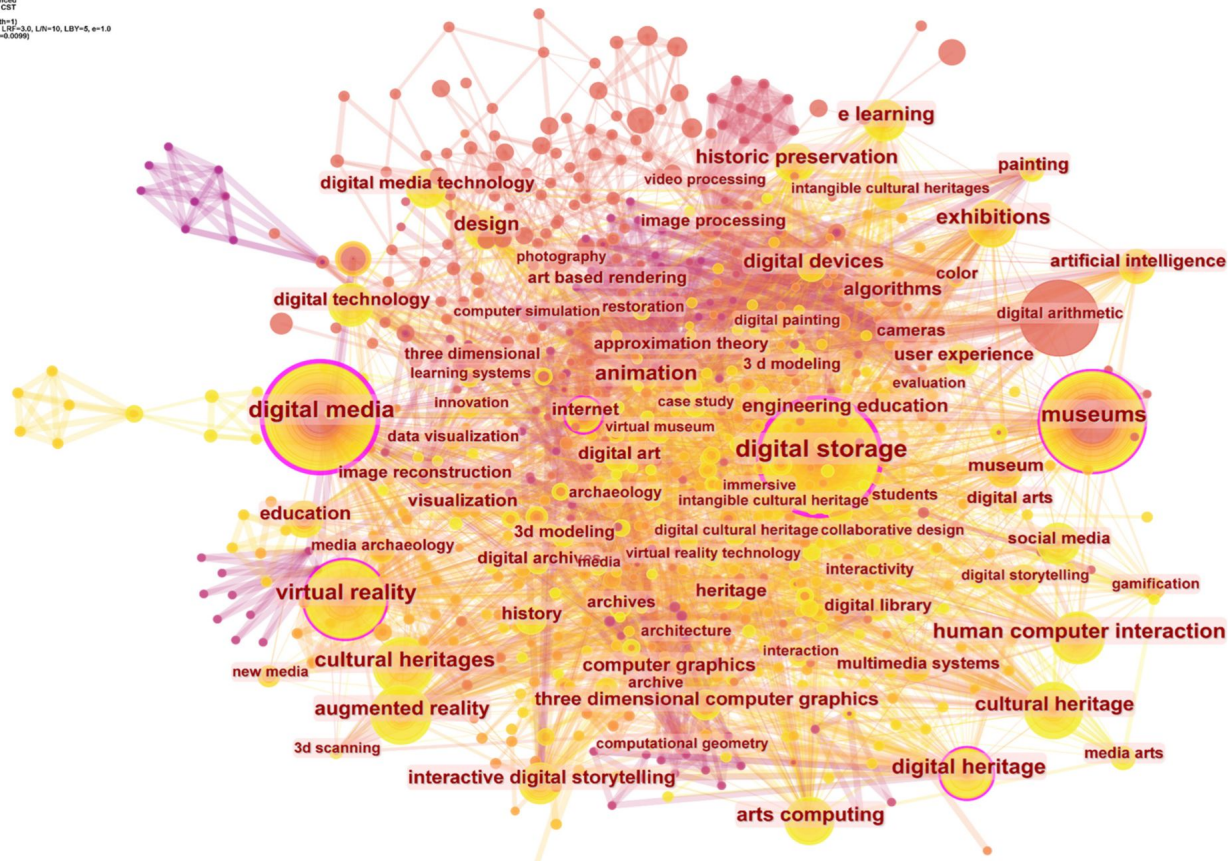


# What are digital methods?

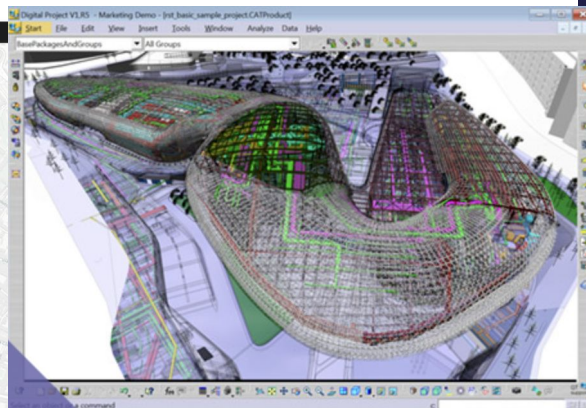
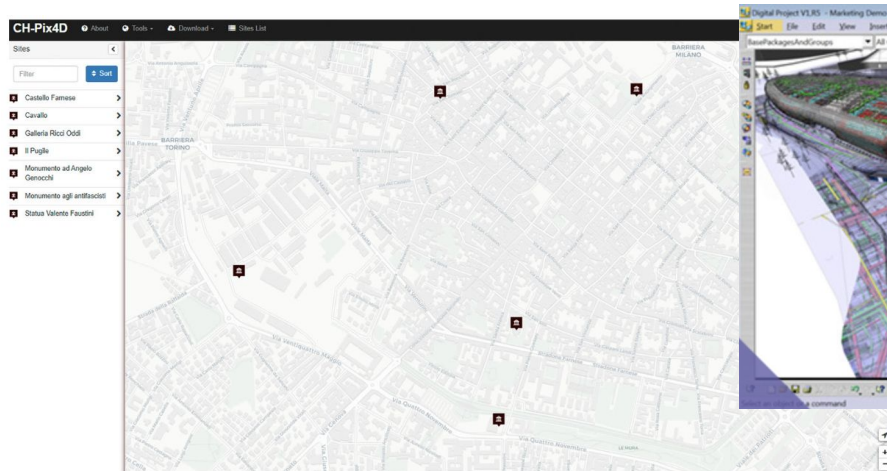
- Digital vs. Analogue
- Digital twins or born digital
- Applied
  - Computational

## Digital Revolution?

- Digitization
  - Digital heritage
  - Informatics

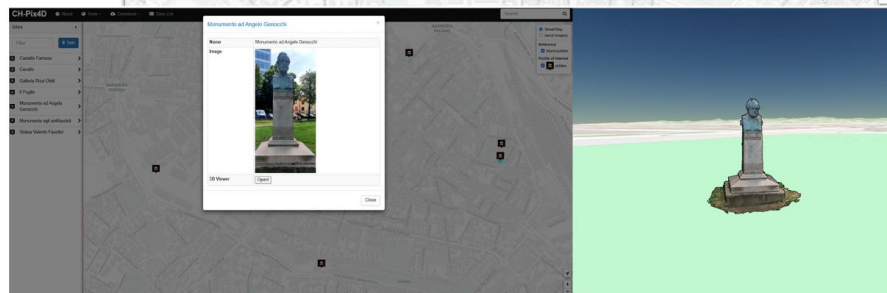


# Digital Heritage Projects



**storyapps**

- Create beautiful, easy-to-use mobile guide and tour apps



**3D**  
ICONS

**3D-ICONS**

3D Digitisation of Icons of European Architectural and Archaeological Heritage





# Web Projects



## Digital Digging

[The Hillfort Map](#) ▾ [Features](#) ▾ [Digital Archaeology](#) ▾ [Digital Worlds](#) [Curios & More](#)

DIGITAL DIGGING 99 PROBLEMS BUT A DITCH AIN'T ONE.

## Enslaved

## Peoples of the Historical Slave Trade

Explore or reconstruct the lives of individuals who were enslaved, owned slaves, or part of the slave trade.

[Learn More](#)

Start a search across records from the historical slave trade

Search for a keyword, a name, a place, an event, or a source



An Chaitlann Mhíleata  
The Military Archives

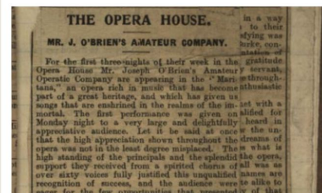
[Home](#) / [Online Collections](#) / [Bureau of Military History](#) / [Homepage](#)

Bureau of Military History (1913-1921)

[About](#)

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## What America Ate

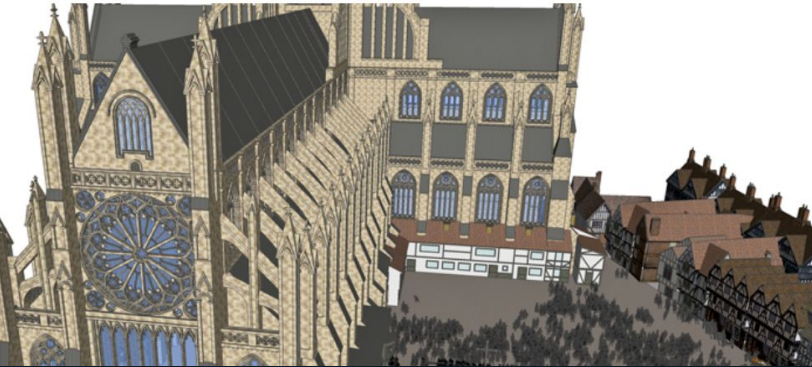
Preserving America's Culinary History from the Great Depression

## American PANORAMA

AN ATLAS OF UNITED STATES HISTORY

American Panorama is an historical atlas of the United States for the twenty-first century. It

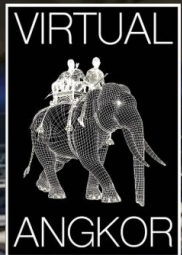
# Virtual and Augmented Reality



HOME

TEACHING

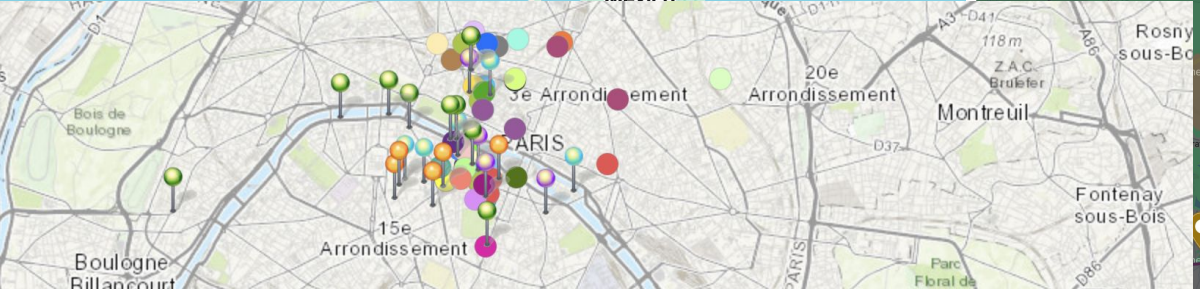
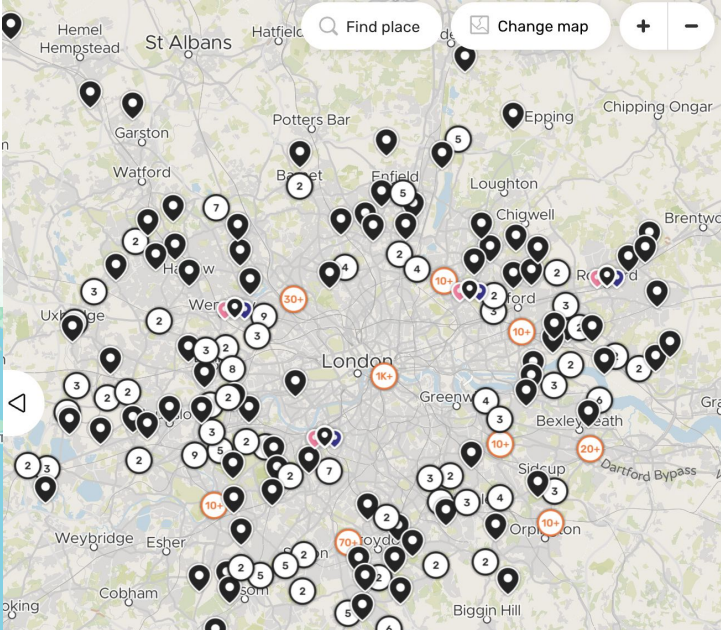
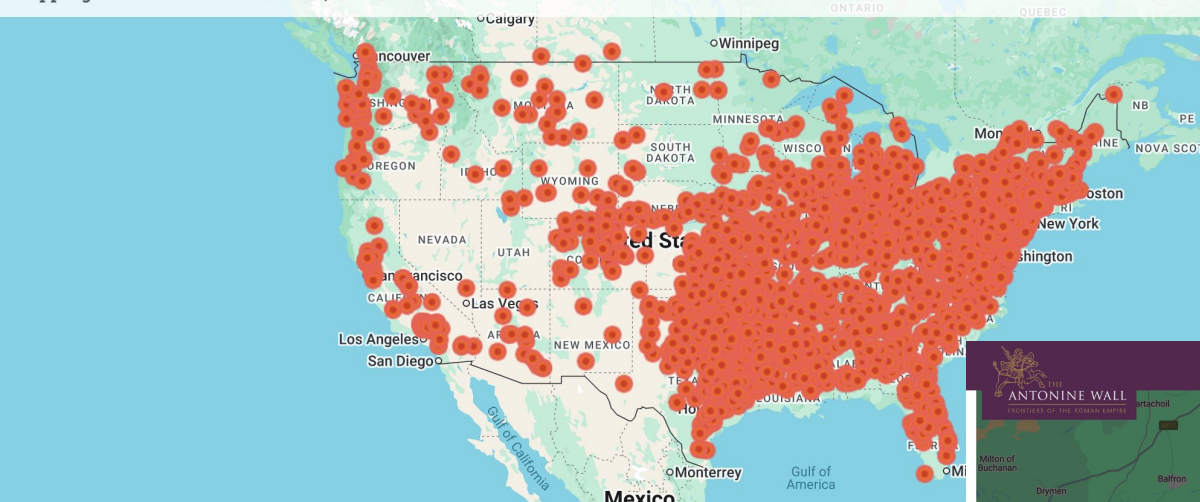
TECHNOLOGY





# Mapping Projects

Mapping the Second Ku Klux Klan, 1915-1940





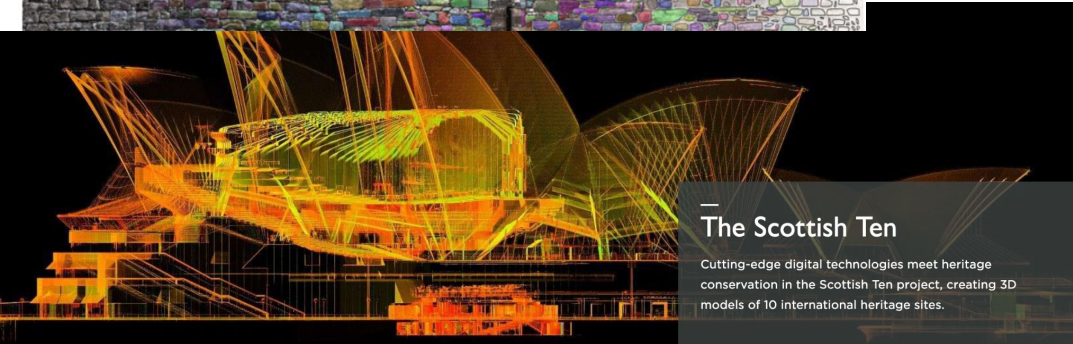
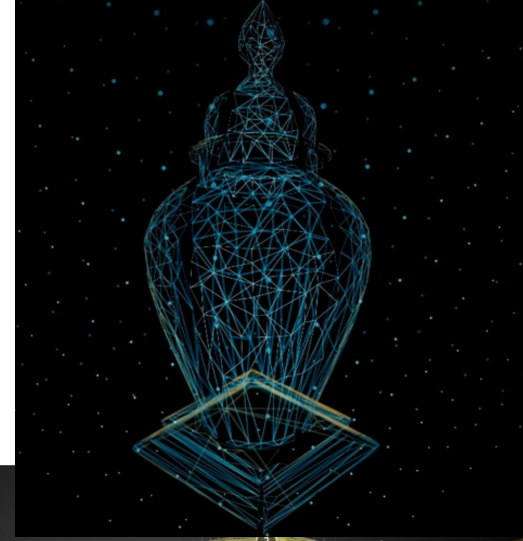
# Historic Environment Scotland

## Part 1: Automated Modelling of Masonry Wall Facades Using Digital Documentation

*Research Undertaken by Post-doctoral Researcher Dr Enrique Valero, Dr Frédéric Bosché  
and Dr Alan Forster 2015-2022*



A 3D model of the carved stone at Cairnbaan, Kilmartin Glen, Argyll and Bute. © ScRAP



### The Scottish Ten

Cutting-edge digital technologies meet heritage conservation in the Scottish Ten project, creating 3D models of 10 international heritage sites.

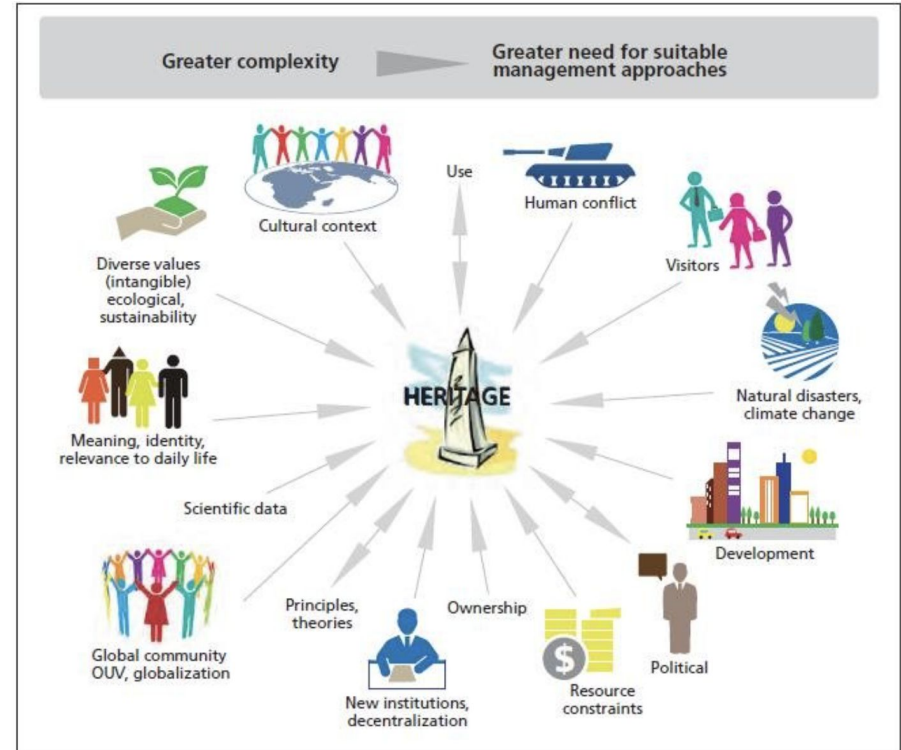


Skara Brae, Orkney  
3D Model



# Digital Heritage Problems

- Ethics
- Ownership
- Long-term preservation
- Sustainability
- Technical infrastructure
- Technical expertise
- Cost





# Where to start?

Always start with your research questions

- Not all things have to be digital be thoughtful

Building a digital cultural heritage project means you'll be working with both primary and secondary sources

- Digital twin sources or born digital

Digital projects come in all shapes and sizes

- Vision documents + planning
- Metadata
- Universe of digital is anything but representative
- Environmental scan
- Making data machine readable
- Documentation



**Fundamentally, digital heritage is  
an act of communication**

