



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

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## **SOCIAL SCIENCES AND HUMANITIES FOR CULTURAL HERITAGE**

*The research of the University of Bologna addresses moveable, immovable, tangible, intangible or digital heritage and its relationship with history, societies, identities, landscapes, innovation and new technologies.*

## **History and transmission**

Reconstruction of ancient landscapes, cultural identities, social dynamics and material culture of ancient world through archaeological excavations and the study of archaeological contexts; History of architecture; Visual arts, art history; Conservation history and ethics; Museum studies; Cultural heritage significance; Public history; Cultural memories, cultural heritage communication; Heritage education; heritage and active citizenship.

## **Preservation and valorisation**

Natural and anthropic risk factors for tangible heritage (war, terrorism, flooding, climate change); Intangible heritage: performing arts (dance, theatre, music) practices, crafts, knowledge and representations; Knowledge and conservation of works of art; Audiovisual heritage: cinema, television, photography; Literary heritage: literary cultures and genres, reception of classical culture, literature, media and technology; Library materials: history of publishing, history of libraries, library science; Fashion heritage and fashion archive; Urban and rural regeneration through cultural heritage and tourism.

## **Management, promotion and fruition**

World heritage sites and Cultural Routes, territorial cultural systems, territorial and touristic plans; Management of museums and cultural organisations; Digital curation of cultural heritage; Digital maps, 3D-model design, GIS, immersive and semi-immersive display solutions; Computer vision, image recognition and processing; Virtual/augmented reality technologies and human-machine interfaces; Internet of Things applications; Cloud computing for the management of digital cultural data life-cycle.

## **Documentation and Cataloguing**

Documenting systems, coordination of multi-agent systems, knowledge engineering, Web Semantics and e-learning systems; Digital humanities: digital text representation, computational models for web dissemination of textual documents and images; Creation of digital libraries and archives; Automatic analysis of digital cultural assets.

## **HIGHLIGHT**

### **European Projects**

Horizon 2020 [POLIFONIA](#) – Polifonia: a digital harmoniser for musical heritage knowledge.

Horizon 2020 [SPICE](#) – Social cohesion, Participation, and Inclusion through Cultural Engagement.

Horizon 2020 [4CH](#) – Competence Centre for the Conservation of Cultural Heritage.