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.