Patrimonial, Science of Heritage: perspectives on cultural artworks

To cite this version:

HAL Id: hal-02416129
https://hal.science/hal-02416129
Submitted on 17 Dec 2019

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Patrimalp
Univ. Grenoble Alpes

Science of heritage: perspectives on cultural artworks

Development of an integrated and interdisciplinary heritage science

CHALLENGES
Patrimalp aims to:
- Develop an interdisciplinary scientific community at the heart of Univ. Grenoble Alpes
- Create innovative heritage research methods
- Initiate an interdisciplinary academic course on heritage
- Support heritage and culture policies
CARRYING OUT THESE GOALS WILL STRONGLY CONTRIBUTE TO THE ATTRACTIVENESS AND INTERNATIONAL OUTREACH OF UNIV. GRENOBLE ALPES.

A cross-disciplinary project
- History of art
- Archaeology
- Material sciences
- Geosciences
- Restoration and conservation
- Computing sciences
- Geography

Links with heritage institutions

Case studies
- Antic Theater of Lyon
- Epigraphical stone of Vaison-la-Romaine
- Saint-Michel de Conxene Priory
- Costumes and Jewelleries in the Alps
- Brocades transposed
- Neolithic rock art sites (Rocher du Château, Trou de la Féclaz)

WP1 - Raw matter resources and contextualisation
- **PURPOSES:**
  - Identification of raw materials used in the processing of artefacts
  - Socio-ecosystemic contextualization of raw material strategies and rock art production
- **SCIENTIFIC APPROACH**
  - Historiography of artefacts
  - History of artefact (primary and secondary sources, workshops, treatises, literature)
  - Form and creation life
  - Artistic cartography

WP2 - Materials, manufacturing process and alteration
- **PURPOSES: INTRINSIC ANALYSIS**
  - Identification and characterization of constituting matters of artefacts
  - Understanding their manufacturing and alteration
- **Cultural heritage matter as recorder of artistic human past activities**
  - Identification of « clues » inside the matter

WP3: History, life and trajectories of artefacts
- **PURPOSES: EXTRINSIC ANALYSIS**
  - Artefact story in native cultural context
  - Understanding the artefact as artistic and cultural technical clue
  - Spatial and temporal following tracks
- **SCIENTIFIC APPROACH**
  - Historiography of artefact
  - History of artefact (primary and secondary sources, workshops, treatises, literature)
  - Form and creation life
  - Artistic cartography

WP4 - Modelling and interconnected visualisation of cultural heritage
- **PURPOSES:**
  - Modelling knowledge and reasoning about heritage artefacts, their components and context
  - Geovisualisation
  - Restoration and Rendering
- **VISUALISATIONS**
  - Textures, spatial, chronological, upgradeable, interactive, 2D, 3D, augmented reality...


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financed by IDEX Université Grenoble Alpes