Patrimalp, Science of Heritage: perspectives on cultural artworks


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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
- restauration and conservation computing sciences
- geography

Case studies
- Antic Theater of Lyon
- Epigraphical stone of Vaison-la-Romaine
- Saint-Michel de Connessé 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

WP2 - Materials, manufacturing process and alteration

PURPOSES: INTRINSIC ANALYSIS
- Identification and characterization of constituting matters of artefacts
- Understanding their manufacturing and alteration

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
- Restitution and Rendering

VISUALISATIONS
- Textures, spatial, chronological, upgradable, interactive, 2D, 3D, augmented reality...

Laurence Rivière (LHUICIE)
Emilie Chalmin, Mélanie Duval (EDYTEm)
Pierre Bordet (I. Néel)
Karine Froment (ARC-Nucléart)
Catherine Dejoie, Nils Blanc (ESRF)
Nicolas Holzschuch (LUHCIE)
Danielle Ziebelin, Paule-Annick Davoine (LIG)

Contact: patrimalp.pilotage@univ-grenoble-alpes.fr

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