

Working on Bottom up scientific documentation for optimum preservation of cultural heritage

- “ORMYLIA” Art Diagnosis Centre (Scientific approach analysis and documentation of artworks)
Representative: Georgios Karagiannis
- Benaki Museum (Museum: Documentation and Management of collections of art objects, Rich multimedia content provider)
Representative: Maria Throuvala
- ILSP (ontologies / multilinguality / national and international research links)
Representative: Stella Markantonatou

Bottom up scientific documentation for optimum preservation of cultural heritage

Target: Customizable e-platform for Museum Collections Management and Documentation

- Semantic handling /VR displaying of **multidisciplinary** scientific and cultural knowledge.
- Issue: Collection Management, Conservation Science and Practice.
- Take into consideration and push ahead State-of-the art & market oriented technologies
 - ✓ current concepts and expertise in the management, preservation and representation of artwork.
 - ✓ existing standards, protocols and methods of good practice to ensure the persistence over time.

An all encompassing effort

- Address to museums dealing with traditional types of art; not ready for state of the art approaches.
- Establish permanent links with content providers and researchers: documentation, conservation, long term preservation, and representation of cultural and scientific content.

„ORMYLIA“ Art Diagnosis Center

Types of technical data

Representative artwork

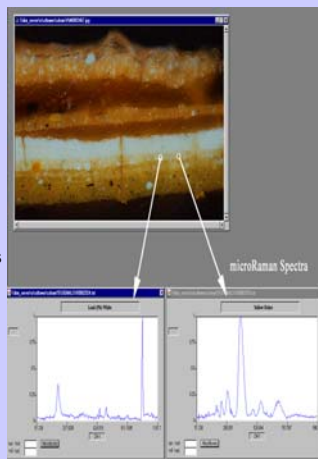
ICON WITH THE VIRGIN HODEGETRIA

St Demetrios Church, Athytos

Prov: probably Mt Athos

Dim.: 107x69.5x3.8 cm

Date: first quarter of 14th c.



Multispectral Imaging

Visible

UV Fluorescence

IR Reflectograms

X-Radiographs

Colorimetry

Optical Microscopy

Cross-section micrographs

Spectroscopies

Micro FT-IR

Micro Raman

Chromatographic

Techniques



EU-ARTECH

Access, Research and Technology for the conservation of the European Cultural Heritage

www.eu-artech.org



Coordinator: **University of Perugia** (I)

An INTEGRATED INFRASTRUCTURES INITIATIVE
13 Research Infrastructures in Cultural Heritage Domain
8 Countries
2 Networking Activities
2 Access Activities
450 Access days planned
2 Joint Research Activities
Duration: **5** years
Total budget: **5,4 M Euros**

Benaki Museum

Pre-eminent among the Greek museums for 3 main reasons:

- **Its extensive Greek collections which unfold the historical and cultural development of Hellenism from antiquity to the interwar period**
- **The wealth and quality of its distinct collections such as Byzantine Art, Islamic Art, Chinese Ceramics, Children's games and toys, Photographic & Historical Archives, Neo-hellenic Architecture, etc.**
- **Its broad cultural, scientific and educational output that establish communication with counterpart institutions both at home and abroad**

The Benaki Museum participation in European Community Projects & Results

- Participation in 15 European Projects: enhancement of the use and development of new technologies in Documentation / Conservation / Education / Public services

- Main results:
Documentation of almost 60.000 museum objects
 1. Digitization of almost 25.000 museum objects (ongoing process)
 2. Multimedia applications

Audio-Visual Content from the Benaki Museum Collections

TYPES

- Video (VHS, Beta, etc)
- Audio (tapes, discs, etc)
- Microfilms
- Films
- CDs
- DVDs

SUBJECT CATEGORIES

- Performing arts
- Documents of significant personalities (artist, politicians, etc.) from the modern Greek history
- Cinema
- Museum publicity

Strategic Objectives

- Digitization**
 - New digital content
 - Elaboration, storage and promotion of the existing digital content through new technology and applications

- Documentation and Management**
 - Information management system following international standards

- Dissemination and Exploitation**
 - Turning technology and research results into products and services

Institute for Language and Speech Processing

- ✦ **MISSION:** to preserve and promote Greek language and culture in the world of modern technologies
- ✦ 12 years of continuous research on multilingual text processing and speech processing. Vast experience in applications development
- ✦ Good experience in semantic web technologies
- ✦ Strong ties with the research and commercial community in Greece and in Europe