



European Jewellery
Technology Network

GEIE

JEWELMED

Project: ICA 3-CT-1999-0005
5th FWP - IncoMed Programme

March 1st, 2000 - August 31st, 2002

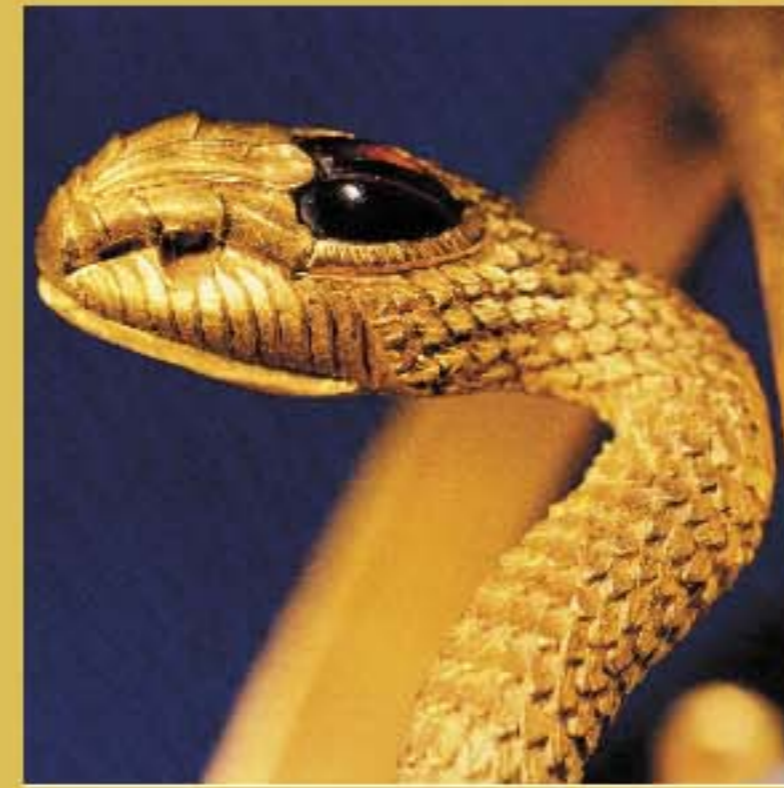


Comparative analysis of manufacturing technologies in goldsmithing and silversmithing from the VII to the I Century B.C. in the Mediterranean Area

JewelMed is one of the projects coordinated by EJTN (European Jewellery Technology Network) GEIE (European Group of Economic Interest)

THE PROJECT Project Objectives: Identification, analysis, preservation and dissemination of manufacturing technologies in goldsmithing and silversmithing from the VII to the I Century B.C. in the Mediterranean Area

A Concerted Action aiming at collating and recording data related to Euro-Mediterranean Cultural Heritage with the scope to contribute to the re-utilisation of ancient jewellery manufacturing technologies for:



- Educational activities
- Training of qualified competences for museum restoration activities
- Restoration & conservation of archaeological artefacts
- Handcrafting SMEs market promotion

Detail of a snake-headed bracelet, V-IV century B.C., Cairo Egyptian Museum.

PARTNERS

EJTN - GEIE, Belgium
(co-ordinator)

Bayanet, Egypt

Benaki Museum, Greece

Hashemite University, Jordan

Higher Technical Institute, Cyprus

National Museum of Archeology, Malta

University of Ancona, Italy

University of Ioannina, Greece

SUB-CONTRACTORS

Defop, Italy

Systema Informatics, Greece

ADVISORS

Prof. H. M. Hassan,
Cairo College of Fine Arts, Egypt

Prof. E. Formigli,
Siena University, Italy

Prof. E. Lippolis,
Università La Sapienza di Roma, Italy

Dr. D. Ferro, Scientific Advisor
CNR Roma, Italy

Main achievements

Guidelines:

a reference tool prepared by JewelMed advisors

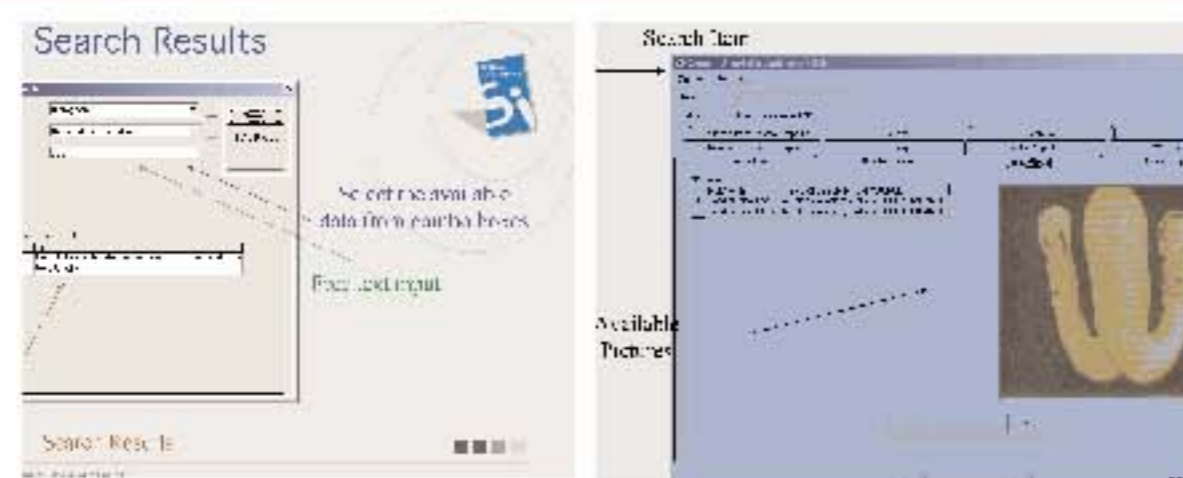
JewelMed DataBase:

Integration of scientific data and museum objects, providing:

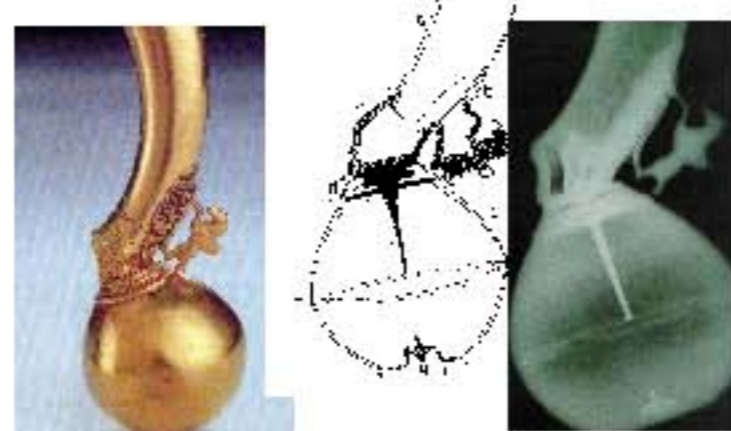
- administrative data
- usability data
- production/technology data
- iconography/decoration data
- archaeological data

Technical Glossary

Comparative Studies



From the top, clockwise: two views from the DataBase; X-ray, detail of a subspherical extremity of the Vix Torque (IV Century B.C.), Paris, Louvre.



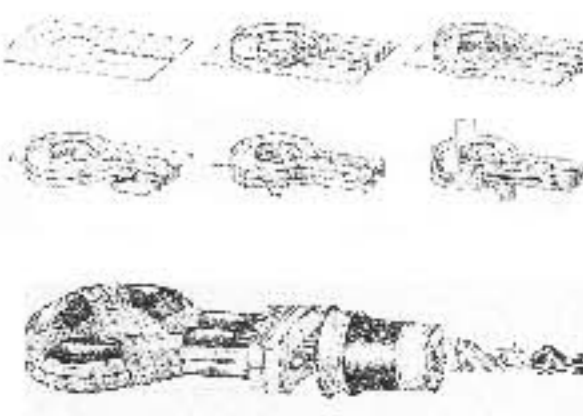
Contribution to key scientific and technological issues:

- integration of scientific data and museum objects
- improving access for citizens and professionals for multi-lingual, multicultural European society
- group interactivity

WP 1: IDENTIFICATION OF TECHNOLOGIES

Identification of ancient manufacturing technologies through:

- Extensive analysis of existing data within consortium members and members of related projects
- Extensive collection of additional data with organisations from EuroMed Countries
- Detailed analysis of identified technologies



Assembling steps of the Heracle's knot

WP 2-3: SUPPORTING TECHNOLOGIES

- Scientific characterization technologies (laser, SEM, EDX, X-ray fluorescence) contribute to identification of production processes, alloys, reconstruction of technological history of the artefacts
- Information Technologies provide the infrastructure for annotating, archiving and interrelating collected data. The JEWELMED DATABASE is one of the main results achieved.

WP 4: COMPARATIVE STUDIES

Description of methodologies and techniques identified, with input of specialists from the scientific, archaeological and technical organizations participating in this and in similar projects. The approach considers two main directions:

- Socio-economic, historical, artistic aspects
- Technological and production characteristics

WP 5: EXPLOITATION & DISSEMINATION

RESEARCH, TECHNOLOGY AND TRANSFER



Transfer of European know-how and Excellence to Med Region

END-USERS

- Artisan SMEs
- Conservation and Restoration of Cultural Heritage
- Archaeological and Academic Environments

CONFERENCES AND PRESENTATIONS

- Jordan, Amman - January 2001: *Workshop on ancient jewellery technologies, Department of Antiquities*
- Cyprus, Nicosia - March 2001: *Presentation to the Cyprus Goldsmiths' Association*
- Italy, Vicenza - June 2001: *Presentation at the Vicenza Jewellery Trade Fair*
- Greece, Athens - October 2001: *Press Conference, Benaki Museum*
- Egypt, Cairo - October 2001: *Cultural Heritage: IT initiatives in Europe and Egypt*
- Italy, Naples - October 2001: *Lecture - National Research Programme*
- Egypt, Aswan - February 2002: *First Experts' Meeting for the Conservation, Restoration and Valorisation of the Euro-Mediterranean Cultural Heritage*
- Poland, Cracow - May 2002: *5th EC Conference - Cultural heritage Research*
- Italy, Vicenza - June 2002: *Presentation at the Vicenza Jewellery Trade Fair*
- Russia, St. Petersburg - June 2002: *International Jewellery Symposium*
- Jordan, Zarka - August 2002: *International Conference on Science and Technology in Archeology and Conservation*
- Malta, La Valletta - October 2002: *Final Dissemination Event: National Museum of Archaeology - Exhibition*
- Belgium, Brussels - November 2002: *European Research 2002 Conference*

Project Co-ordinator:
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