

Development of Digitization
Techniques for Research
Management of High Definition
Digital Images, Scientific Reports
and Analysis for Conservation-
Restoration

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EROS

**an open source database
for
museum conservation restoration**

Technological research and development programs in the frame of the European Union



terminology, database management, 2D and 3D digitisation,
networking , image archiving, and image analysis

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
European Research and Development Projects on Museum Collections	VASARI																	
		NARCISSE																
									WISEUM									
									MENHIR									
										ACOHIR								
											CRISTAL							
												ARTISTE						
													CRISATEL.....					
													CHERI.....					
															SCULPTEUR.....			
														e Culture Net				
																ART3D		

Scope of Data

1931-2006 : 75 years of history

A research centre with an exceptional documentation on works of art:

- 21,000 paintings and drawings,
- 39,000 objects studied or restored conserved in 1,200 museums
- 270,000 large and medium format photographs
- 100,000 X-rays
- 70,000 analyses
- 20,000 study and restoration reports
- 8,000 fiches de santé,
- 1,000 reports of the restoration commission
- 4,000 articles, theses etc.
- 9,000 books and 100 periodicals

Category of metadata

- **works of art**
- **images**
- **documents : textual information**
- **analysis**

Interface content

- Work of art

- museum data
- historical data
- material data

- Document

- scientific report
- restoration report
- restoration survey
- article
- synthesis

- Images metadata

- ultraviolet,
- infrared,
- raking light
- 3D modelling,
- multi-spectral imaging,
- panoramic viewing

- Analysis

- chemical compound
- structural analysis
- isotopic analysis
- dating

Conserving historical data
today in order to prepare the
research of tomorrow

Today

A documentary portal
with new functionalities

- Open the EROS database to 1200 museums in France (conventions de partenariat)
- Develop computer and digitisation technologies with French and foreign research institutes (through EU and national)
- Collaborate to enrich the conservation-restoration vocabularies with partner restoration laboratories and centres
- Continue the translation of the EROS database so that partners can access scientific information in their own language

