



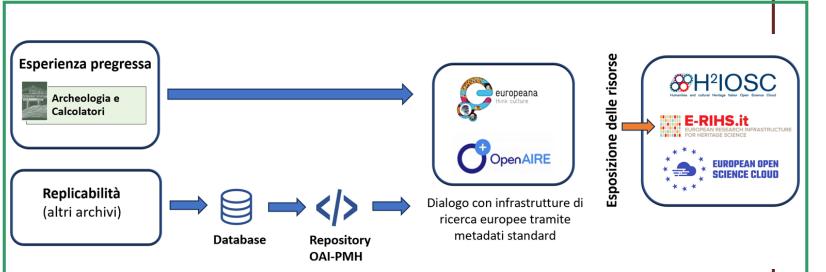






### SPOKE 8

### Sustainability and resilience of tangible cultural Heritage



# LINEA TEMATICA **«DIGITAL ARCHIVING»**

Obiettivo progettuale a cui l'attività risponde: progettazione e sviluppo di infrastrutture digitali per archivi/catasti del Patrimonio Cultura le Tangibile, utili a supportare diversi percorsi di conoscenza e massimizzare l'accessibilità

Obiettivo specifico dell'attività: elaborazione di linee guida per l'esposizione di risorse visuali nelle infrastrutture europee

Gruppo di lavoro: gruppo Open Data, ISPC

Personale reclutato: AdR Leonarda Fazio

Coordinamento attività: Francesca Buscemi

# Azioni per un modello replicabile: dai singoli repository/archivi alle infrastrutture europee



Archiviazione e indicizzazione delle risorse mediante il riferimento a vocabolari normalizzati



Descrizione delle risorse elettroniche attraverso metadati che seguono schemi o standard condivisi a livello europeo



Mappatura dei metadati per il trasferimento delle risorse alle infrastrutture di riferimento

ID	N fi g ur e	GEOGR. COVERAG E 1 (Site)	GEOGR. COVERAG E 2 (Region)	ARTICLE SUBJECT A&C 1 (technologie s)	ARTICLE SUBJECT A&C 2 (archaeologi cal field)	ARTICLE SUBJECT	IMAGE TYPE _Lev.1	IMAGE TYPE_Lev.2	IMAGE SUBJECT _Lev.1	IMAGE SUBJECT _Lev.2	FIGURE
474	1	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	computer images	web pages	other subjects	texts	STATE OF THE PROPERTY OF THE P
474	2	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	photographs	color photography	environments	landscapes	
474	3	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	computer images	web pages	other subjects	texts	
474	4	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	computer images	web pages	methodologies and technologies	topography	8
474	5	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	computer images	web pages	methodologies and technologies	geographic information systems	Figure 1 and
474	6	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	photographs	aerial photographs; manipulated photographs	methodologies and technologies	scientific instruments	T
474	7	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	maps	manuscript maps	environments	ancient regions	
474	8	https://pleiade s.stoa.org/plac es/423025	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	photographs	color photography	architecture	buildings	
474	9	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	photographs	color photography	environments; sites	landscapes; fortification elements	
474	10	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	GIS and cartography	Survey and excavations	GIS and spatial analysis; Digital cultural heritage	photographs	color photography	environments; sites	landscapes; fortification elements	
670	1	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	Virtual Reality and 3D Modelling	Data dissemination and education	Material culture; Photogrammetry and 3D scanning; Virtual reality	composition	color photography	architecture	rooms and spaces; people	
670	2	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	Virtual Reality and 3D Modelling	Data dissemination and education	Material culture; Photogrammetry and 3D scanning; Virtual reality	composition	sections; plans	architecture	buildings	
670	3	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	Virtual Reality and 3D Modelling	Data dissemination and education	Material culture; Photogrammetry and 3D scanning; Virtual reality	composition	color photography; virtual models	architecture	buildings; rooms and spaces	X
670	4	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	Virtual Reality and 3D Modelling	Data dissemination and education	Material culture; Photogrammetry and 3D scanning; Virtual reality	composition	reconstructions	architecture	buildings; rooms and spaces	
670	5	https://pleiade s.stoa.org/plac es/422859	https://pleiade s.stoa.org/plac es/413122	Virtual Reality and 3D Modelling	Data dissemination and education	Material culture; Photogrammetry and 3D scanning; Virtual reality	composition	virtual models	archaeological objects	metal	







# Archiviazione e indicizzazione delle risorse mediante il riferimento a vocabolari normalizzati

ID	N. fig	GEOGR. COVERAGE 1 (Site)	GEOGR. COVERAGE 2 (Region)	ARTICLE SUBJECT A&C 1 (technologies)	ARTICLE SUBJECT A&C 2 (archaeological field)	ARTICLE SUBJECT	IMAGE TYPE _Lev.1	IMAGE TYPE_Lev.2	IMAGE SUBJECT _Lev.1	IMAGE SUBJECT _Lev.2	IMAGES
919	1	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	architecture	buildings	
919	4	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	architecture	buildings	
919	5	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	composition; computer images	digital reconstructions	sites	archaeological sites	
920	2	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	drawings	plans	architecture	buildings	
920	3	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	sites	archaeological sites	
920	5	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	architecture	complexes	
920	7	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	photographs	color photography	archaeological objects	ceramic; pottery	
924	3	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	architecture	architectural elements	
924	4	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	computer images	digital reconstructions	architecture	complexes	
924	5	https://pleiades.s toa.org/places/3 93448	https://pleiades.st oa.org/places/413 122	Virtual Reality and 3D Modelling	Survey and excavations	virtual reality	composition; drawings; computer images	plans; digital reconstructions	architecture; methodologies and technologies	complexes; geophisics	

#### Metadati IADI

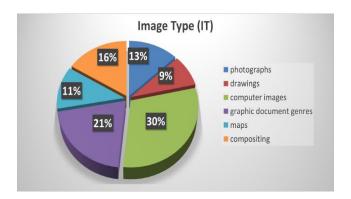
- Codice identificativo della risorsa immagine (ID)
- Numero progressivo della figura nell'articolo (N. FIG.)
- Indicazioni di tipo geospaziale relative al sito archeologico (GEOGR. COVERAGE 1 (Site) e alla regione antica di pertinenza (GEOGR. COVERAGE 2 (Region) sotto forma di URI del gazetteer Pleiades
- ☐ Classificazione per soggetto

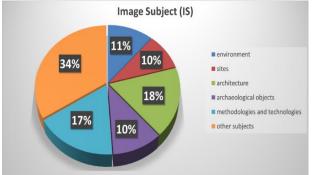
  dell'articolo in cui l'immagine è

  contenuta (ARTICLE SUBJECT 1, 2)
- ☐ Tipo di risorsa visuale (IMAGE TYPE (IT)
  - Soggetto dell'immagine (IMAGE SUBJECT (IS)



### Descrizione delle risorse elettroniche attraverso metadati standard a livello europeo





### Occorrenza dei tipi e soggetti immagine rilevati nel corso della metadatazione

Legend:
RT Record type
C Concept
GT Guide term

	IMAGE TYPE TERMS from AAT	RT	AAT	WIKIDATA	PICO
р	photographs (visual works)	С	http://vocab.getty.edu/page/aat/300046300	https://www.wikid ata.org/wiki/Q125 191	fotografia
	black-and-white photographs	С	http://vocab.getty.ed u/page/aat/30012834 7	https://www.wiki data.org/wiki/Q91 078098	fotografia in bianco e nero
	color photographs	С	http://vocab.getty.ed u/page/aat/30012835	https://www.wiki data.org/wiki/Q13 1426286	fotografia a colori
	aerial photographs	С	http://vocab.getty.ed u/page/aat/30012822 2	https://www.wiki data.org/wiki/Q11 3670888	fotografia aerea

## Vocabolari normalizzati impiegati

- AAT (Art and ArchitectureThesaurus, Getty Institute)
- Wikidata
- PICO



# Descrizione delle risorse elettroniche attraverso metadati standard a livello europeo







**Europeana Data Model (EDM)** 

Standard e protocolli di metadatazione utilizzati

**Dublin Core** 

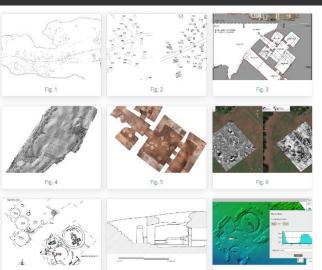
DataCite Metadata Schema

<u>EDM</u>



A&C\_IADI

HOME ABOUT VOLUMES SEARCH





Archeologia e Calcolatori

HOME ABOUT ▼ VOLUMES ▼ SPECIAL ISSUES ▼ SEARCH 3D GALLERY IADI

Volumes / Journal / 33.2 / Gilotta et al.

#### Researches at the Monte Abatone necropolis (Cerveteri)

Fernando Gilotta, Valentina Carafa, Giulia Morpurgo, Carmelo Rizzo, Alessandra Cirafici, Alessandra Avella, Pasquale Argenziano, Teresa Patriziano, Marina Micozzi, Federica Galiffa, Luca Lucchetti, Martin Bentz, Dennis Beck. Florian Birkner, Christian Briesack. Phillippe Kluge, Lang Matthias, Alessandra Coen, Martina Zinni

«Archeologia e Calcolatori» 2022, 33.2, 135-152; doi: 10.19282/ac.33.2.2022.08

#### Abstract

The Authors illustrate the 'Monte Abatone Project', focusing on the important necropolis South of the ancient city of Caere. The area in its archaeological and topographical features was not further studied since the geophysical campaigns (1957-1961) by the Lerici Foundation. The main focus is the large area around the Campana Tumulus, previously left unexplored in the large plan by the Lerici Foundation. Excavations in 2018-2021 on the South side of this area led, conversely, to discover a possible 'family' cluster of tombs, dating to at least between the early Orientalizing and the early/middle Archaic period: these tombs were of fossa, semi-constructed, single-chamber and C2 types. Also, further unknown sectors of the necropolis were found not far from this cluster, with a concentration of tombs of the early semi-constructed type (first half of VII cent. BCE), provided with small tumuli, ordered in two approximatively parallel rows and all oriented North-West. This suggests the existence of a planning by some form of 'urban' authority, at a time beginning with the Early Orientalizing period - that marked a considerable acceleration in the economic growth of the city and its civil-political structure. The area West and North of the Campana Tumulus was also investigated, including surveying the edges of the plateau that led to the identification of tombs (VI-III cent. BCE) excavated in the past and partially backfilled, and terraces for funerary rites which are oriented, like the Tumulus, toward the city plateau. Extensive use of laser scanning and photogrammetry allowed to produce a model of the Monte Abatone plateau, a 3D model of both the Campana Tumulus, never surveyed since the first half of the nineteenth century, and other excavated



Cite this

#### Publishers:

CNR - Istituto di Scienze del Patrimonio Culturale

Edizioni All'Insegna del Giglio



Nuovi metadati associati alle risorse visuali di IADI, nella struttura del repository

### IADI Image

### Metadata (interfaccia utente)

Caption	Second version of the application "Virtual Exploration of the Regolini-Galassi tomb" installed in the Vatican Museums (in collaboration with E.V.O.CA.).						
Figure number	10						
Article	Natural interaction in VR environments for cultural heritage: the virtual reconstruction of the Regolini-Galassi tomb in Cerveteri (with an Appendix by M. Sannibale and D. Pletinckx)						
Authors	Pietroni E.						
Volume	Volume 24						
Pleiades places	https://pleiades.stoa.org/places/422859						
	methodologies and technologies; architecture; other subjects						
Subjects	virtual works; rooms and spaces; people						
	composition; photographs						
	color photography						





#### **Collections**

These collections of articles, images, datasets, and research projects are focused on specific ancient regions or sites. They consist in comprehensive multidisciplinary digital archaeological resources, supporting scholars and enthusiasts in advancing analysis and facilitating new discoveries



Etruria

View collection



Cerveteri

View collection



#### Sabina

View collection



Pompeii

View collection



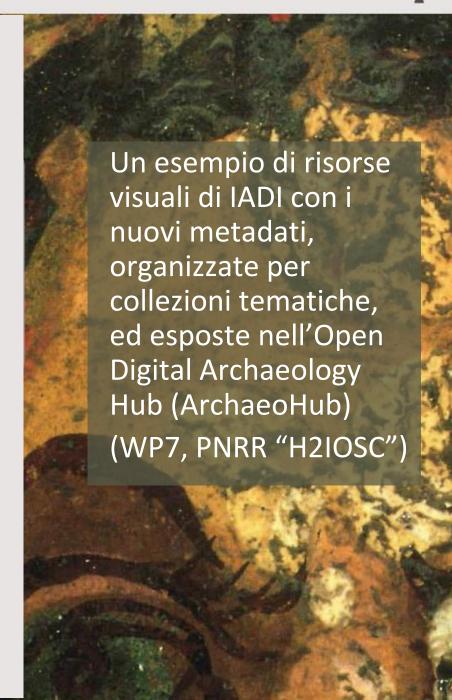
Sicily

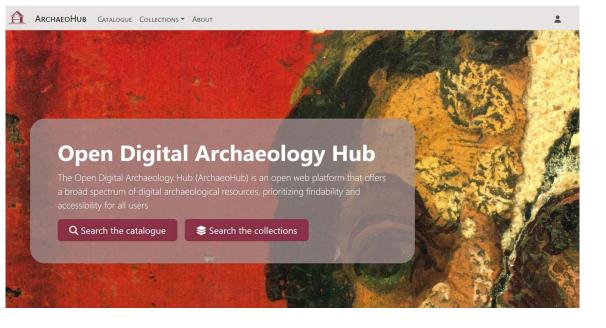
View collection



Sardinia

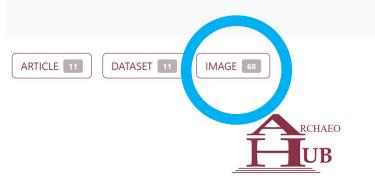
View collection



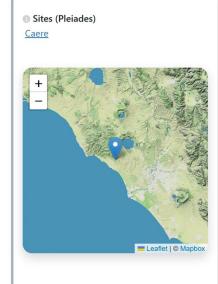


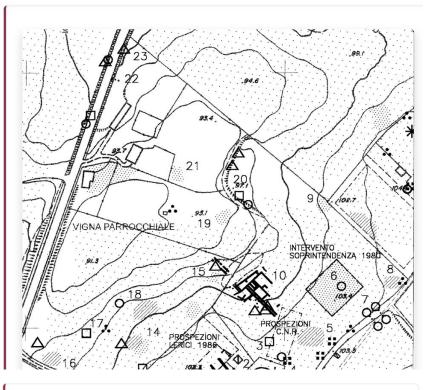
### Cerveteri

This collection of digital archaeological articles, images, datasets, and research projects is focused on the Etruscan city of Cerveteri (Caere)



• Metadata source https://iadi.archcalc.cnr.it/images/2816





People
 Nardi Giuliana

① Year 2003

SubjectsArchaeological sites • Settlements

Image type

Thematic maps • Topographic maps

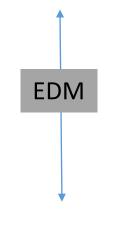


# Mappatura dei metadati per il trasferimento delle risorse alle infrastrutture di riferimento

#### **Metadati IADI**

- ID
- N. FIG.
- GEOGR. COV. 1 (Site) GEOGR. COV. 2 (Region)
- IMAGE TYPE (1-2) (IT)
- IMAGE SUBJECT (I-2) (IS)

#### IADI



**EUROPEANA** 

#### **Metadati Europeana (PCHO)**

- TITLE
- CREATOR
- DATE
- PERIOD
- DESCRIPTION
- IS PART OF
- LOCATION
- FORMAT
- RIGHTS
- SHOWN AT
- SHOWN BY



### Mappatura dei metadati per il trasferimento delle risorse alle infrastrutture di riferimento







