International Training Project 2018



 Methodologies for cataloguing cultural heritage

 Computerized cataloguing and multimedia documentation Cataloguing of archaeological heritage: an overview

Standards for cataloguing of archaeological finds: norms, terminological instruments and examples of application



The archaeological heritage is a set of movable and immovable cultural property, of different types, ages and contexts of origin, increasing thanks to archaeological research and discoveries throughout the national territory.

The national archaeological heritage consists of all the evidence of human presence originating from different historical eras (without age or cultural limits), known primarily through excavations and discoveries, including in underwater contexts. This evidence, conserved both on the surface and in the ground, consists of: exposed immovable properties (including only partially exposed); movable properties recovered by excavation or discovery; properties held in public or private collections; stratified deposits of various extension, in urban and rural contexts, of different historical/prehistoric periods.











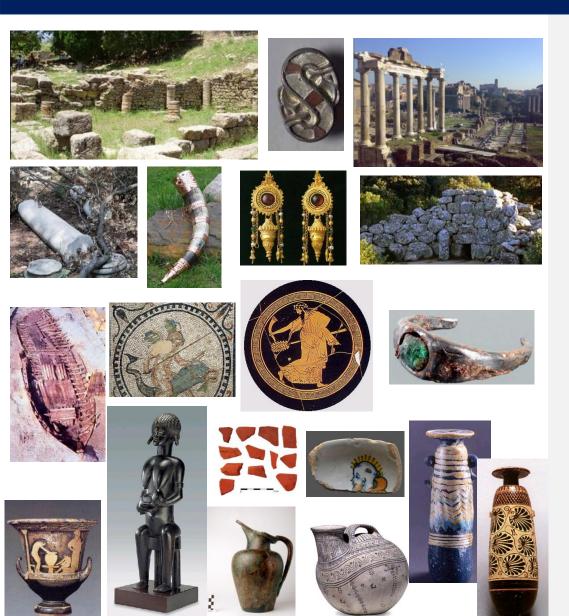






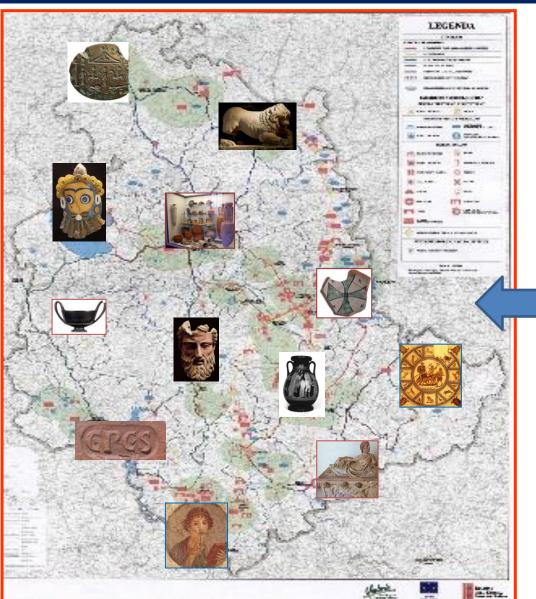




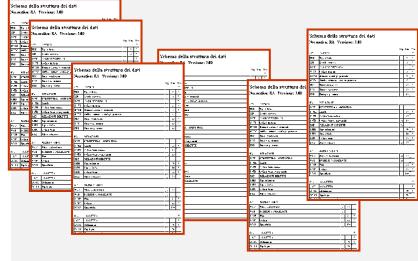


Archaeological properties are the evidence of the distant and recent past, the material documentation to fully understand other cultures (sometimes supplemented by written sources). They must be protected, regardless of their intrinsic value, current condition, numbers originally produced, modification over time, or specific age.

Even properties that are not rare or precious can be important elements for statistical evaluation, or studies about production processes and trade patterns.



The ICCD cataloguing methods and instruments permit precise, scientifically correct description of the properties and emphasises the relations between properties and territory.























Catalogue sheet

SI – ARCHAEOLOGICAL SITES

SAS - Stratigraphic records

CA – Archaeological complexes

RA – Archaeological finds

AT - Anthropological remains

MA - Archaeological monuments

NU - Numismatic properties

TMA - Table of archaeological materials











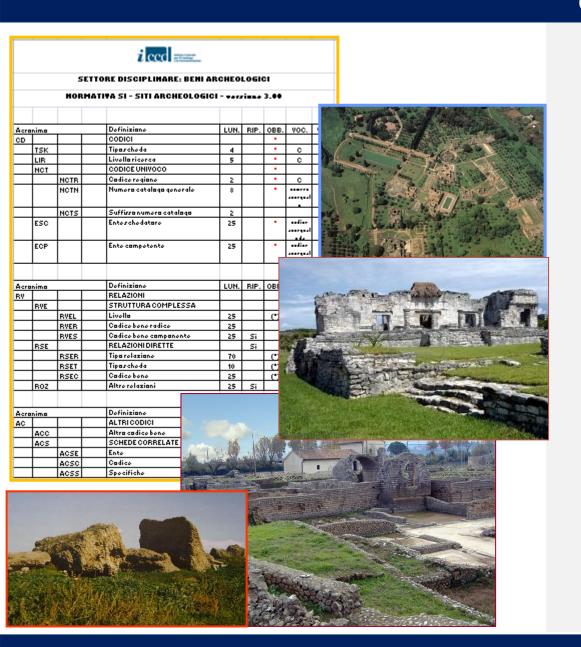












Catalogue sheet

IMMOVABLE PROPERTIES

SI sheet:

Archaeological sites

3.00 version

SI sheet: application

Cataloguing norm for the description and documentation of an area which preserves evidence of human presence, of more or less remote past, permitting investigation by archaeological research methods. The sheet doesn't allow any qualitative or quantitative judgement about the finds: the cataloguer will investigate and record finds that are 'less evident' but still important to the reconstruction of past realities (deposits of movable properties, settlement traces or land subdivisions, prehistoric station, etc.).





















SI sheet: application

The 'site' is the <u>territorial container</u> of other types of movable and immovable archaeological properties, providing the overall context of the finds, described using other specific sheets (SAS, CA, MA, RA, AT, NU, TMA). The use of the sheets creates a network of relations that permits the reconstruction of spatial-temporal contexts.

The cataloguing instrument is flexible, applicable to sites both with and without complex dating and functions (complex multi-strata sites).























Catalogue sheet

IMMOVABLE PROPERTIES

SAS sheet:

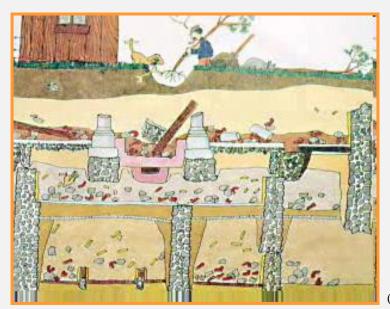
Stratigraphic record

3.00 version

SAS sheet: application

Cataloguing norm for the description and documentation of *stratigraphic* sequences revealed by archaeological excavation.

The stratigraphic analysis, supported by other documentation, is an evidence of an historical period, recording not only visible structures (described using CA and MA sheets) but also settlement and use stages. Those are documented by Stratigraphic Unit sheets (e.g. for floor surfaces, a burnt area, flood deposits, stratigraphic sequences seen in section, etc.).

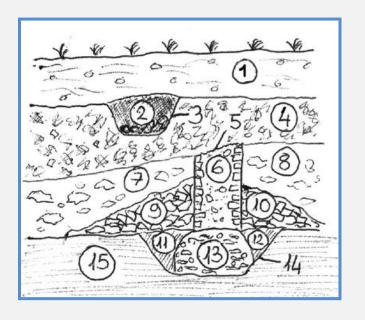


(da Treccani, Cd rom Il mondo dell'Archeologia)

Documentation of stratigraphic sequences

The ICCD is currently digitizing the procedures to record Stratigraphic units, replacing the existing paper sheets. (US, USM, USR).

Compared to standards published in 1984, current standards have reconsidered the recording of every Stratigraphic units, now considered as tools for field work, supporting the subsequent stages of analysis and research.



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In-depth anlysis for Stratigraphic Units

Currently the ICCD uses a system of Stratigraphic unit sheets (US-USR-USM) as 'attached documents' to other types of sheets: for example they are often used as attached documents to the Archaeological finds sheet, but also to better read the stratification of historical structures.

Catalogue sheet

IMMOVABLE PROPERTIES

CA Sheet:

<u>Archaeological</u> <u>complexes</u>

3.00 version

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CA sheet: application

Cataloguing norm for the description and documentation of a *structural complex,* conceptually and physically considered as a unity, consisting of more than one building (fortified centre, sanctuary, baths, insula, etc.), regardless of the current state of preservation.

Even if it can contain other properties (e.g. a group of *archaeological monuments*), the *archaeological complex* is identified as a distinct cultural property, with its own technical and spatial features and its own meaning and values.





















Catalogue sheet

IMMOVABLE PROPERTIES

MA sheet;

<u>Archaeological</u> <u>monuments</u>

3.00 version





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MA sheet: application

Cataloguing norm for the description and documentation of a *structure*, conceptually and physically considered as a unity, consisting of one building unit (tower, domus, temple, etc.), regardless of the current state of preservation.

To better understand the spatial articulation and architectural-constructive features, the description can be organized from two points of view: *functional units* (spaces) and *functional partitions* (walls, roofs, floors, etc.). In this last case the cataloguing treatment is that of *complex properties*, using multiple record sheets for the whole and its parts, i.e. for the *'parent-child'* components.























Catalogue sheet

MOVABLE PROPERTIES

RA sheet:

Archaeological objects

3.00 version

RA sheet: application

Cataloguing norm for the description and documentation of *movable* archaeological finds. This is the most used and developed record in the archaeological sector, due to the vast numbers of objects in Italian cultural heritage, including materials:

- from researches (excavations, surveys, etc.);
- from salvage and impact mitigation operations;
- held in institutions (museums, reserves, private dealers, etc.);
- held in private collections.





















RA sheet: application

Given the massive numbers of archaeological objects in proportion to the available resources (financial, human, etc.), Italian cataloguing programs work mainly on:

- materials at higher risk of loss, theft, damage;
- materials originating from a single context
- materials held in private collections and subject to legal protection;
- materials used for cultural events (exhibitions, etc.)





















Catalogue sheet

MOVABLE PROPERTIES

NU sheet:

Numismatic properties

3.00 version

i ccd

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NU sheet: application

Cataloguing norm for the description and documentation of all objects evaluated mainly in terms of monetary aspects (juridical, typological), without age limit - thus not only coins, but also pre- and para-monetary items. The cataloguing record is also used for seals, medals, dies, coinage punches and balances, of any era.

NU sheet: application

Before the development of the numismatic sheet (2004), the tradition was to consider these types of properties as art or archaeological objects, depending on the discovery or history of the piece. They were catalogued using records OA-N or RA-N (ca. 1992).

The NU was the first catalogue sheet planned for 'transverse' application across different sectors (archaeology, art history).























Catalogue sheet

MOVABLE PROPERTIES

TMA sheet:

<u>Table of</u> <u>archaeological materials</u>

3.00 version

TMA sheet: application

Cataloguing norm for the description and documentation of *materials* without significant features, for which an RA sheet wouldn't be necessary, or for basic, rapid data entry of large amounts of finds:

- from a single Stratigraphic Unit
- recovered during surveys
- in museum or reserve collections
- in private collections, etc.





















TMA sheet: application

The sheet is designed to be applied in different situations, e.g.: rapid cataloguing of entire lots (summary or generic description; counts of items); cataloguing of homogeneous preliminary groupings (by typology, origin, etc.). In the case of excavated materials, the correct compilation of the fields is essential for the reconstruction of the archaeological provenience, allowing researches and crossed retrievals from the database.

The TMA sheets can then be updated when the lot is subject to a detailed study, or by extracting and recording single materials using the RA sheet.























Catalogue sheet

MOVABLE PROPERTIES

AT sheet:

Anthropological remains

Version 3.00













AT sheet: application

Cataloguing norm for description and documentation of biological evidence, closely related to archaeological, palaeontological, historical or cultural contexts, concerning the evolution, life and history of humans and their predecessors. The evidence is normally more than 50 years of age, or has features contributing to its recognition as "cultural property".

AT sheet: application

The norm can be used for the description of both *single remains* and *clusters of remains related to one or more individuals,* depending on the means of survival or preservation and the strategic approach of the cataloger.

There is also an appendix <u>The fild Anthropological sheet</u>, to record data at the moment of recovery of the remains. The *field sheet* and *catalogue sheet* are used in two linked stages: data recorded with the field sheet at the moment of recovery are verified and completed during compilation of the *catalogue sheet*, thanks to complex technical-scientific investigations.





















The cataloguing system

The logic of the cataloguing norms allows to put back together the archaeological finds in a systemic framework. Using the ICCD methodology, the specialists can reconstruct the sequence from a movable property to its relevant monumental and territorial context, and vice versa from the general 'territorial container' (the site) to its archaeological complexes and monuments, down to the individual objects.



is not completely fixed: it is adaptable to different situations.













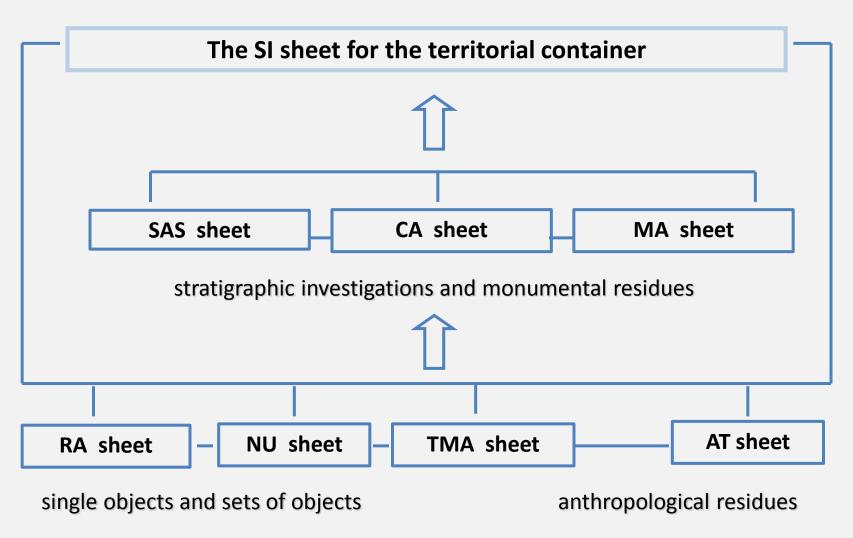








The cataloguing system



The cataloguing system

For example the 'system of relations' allows: the connection of movable and immovable archaeological properties of all types to their original site; the contextualisation of stratigraphic investigations within a given area or monumental presence; the identification of functional and typological correlations; the recreation of clusters of funerary goods, scattered collections, objects originating from an original commercial shipment, etc.











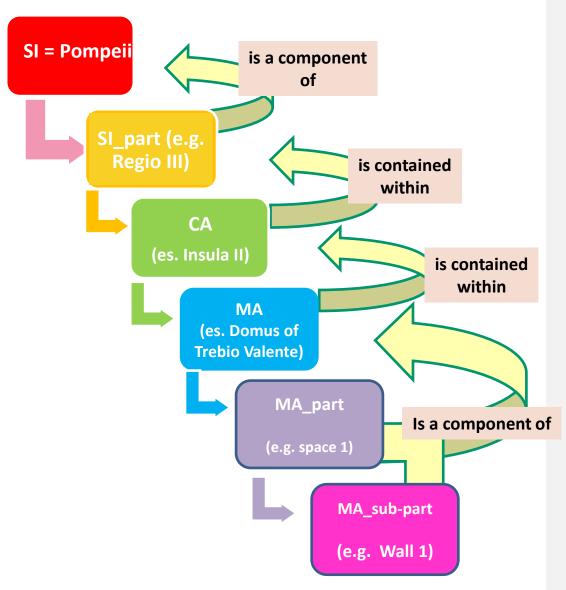












A proposal for application to the immovable properties of Pompeii



Movable properties, both in situ and in collections, can be linked to the immovable properties.

Authority file DSC – Archaeological excavation

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Scheda di Authority file

DSC – Scavo archeologico
versione 3.00

Norme di compilazione

Authority file RCG – Archaeological survey

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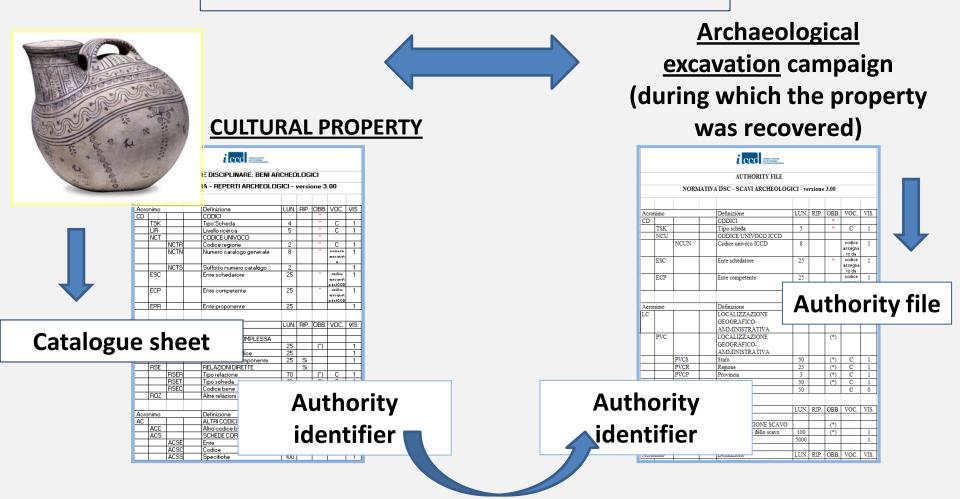
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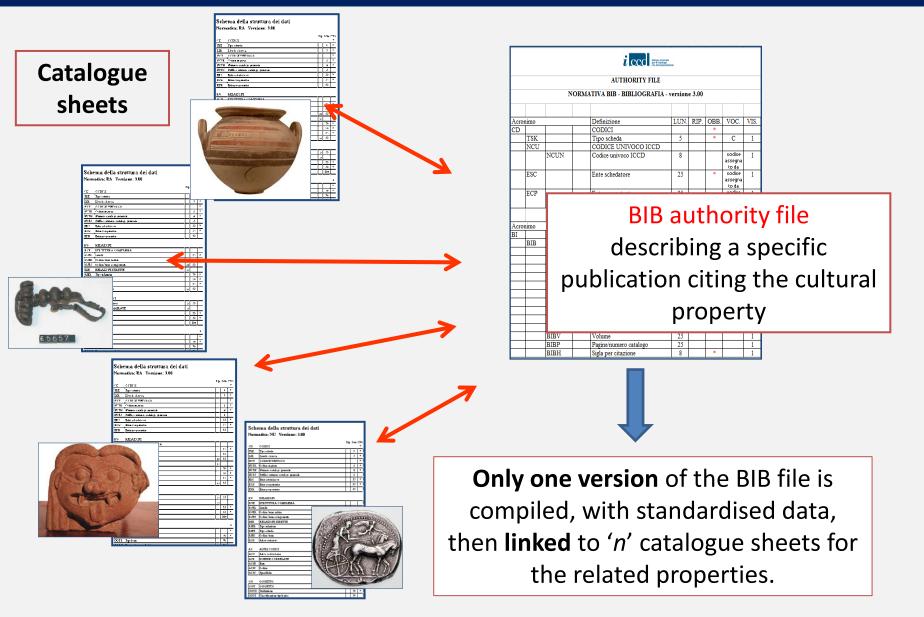
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Authority files

Two specific Authorities have been developed for archaeological properties. These are used to gather and ensure uniformity in information about excavation and survey campaigns on Italian territory.

The catalogue and authority sheets are linked by the **identifier**, recorded in the appropriate fields.

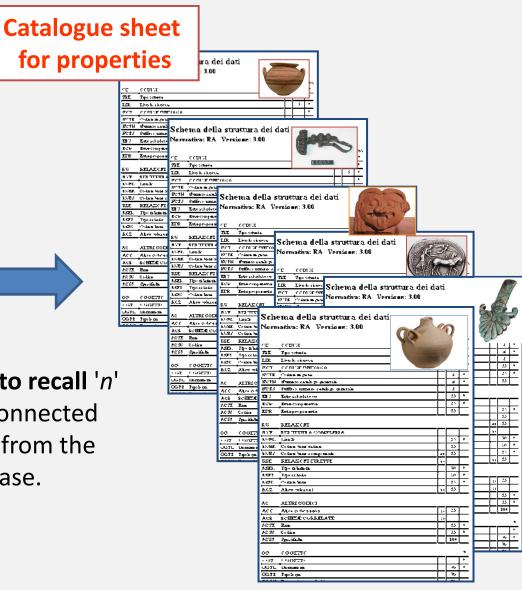




Authority file describing an ARCHAEOLOGICAL EXCAVATION campaign

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Can be **used to recall** 'n' sheets of connected properties from the database.







In-depth forms

EP: form for epigraphs (in trial stage)



Form for the description of epigraphs, attached to the cataloguing sheets of movable and immovable properties, to record any inscriptions and analyse its historical, cultural and social content, as well as technical and formal aspects.

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In-depth forms

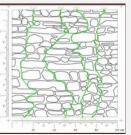
TM: form for masonry (in development)

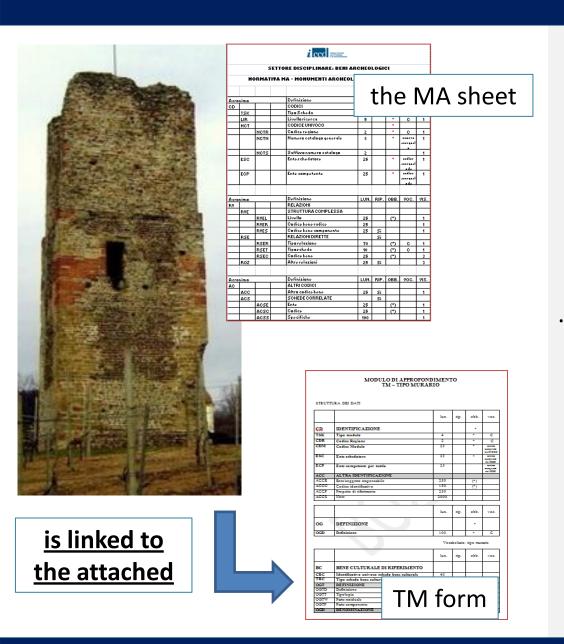
Form for the description of **masonry features**. It is used for the structure analysis, to identify: component materials, construction technique, surface preparation and treatments, unusual elements (e.g. 'chocks', holes from scaffolding, etc.).

The 'quality' and effectiveness of the masonry work is examined to better plan the conservation interventions on cultural properties.









TM: application (from norm version 4.00)

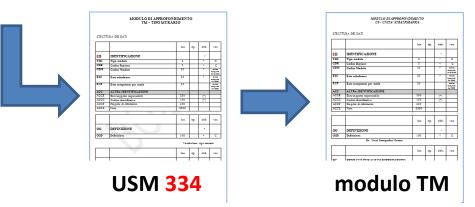
As an *In-depth form* for rapid documentation of wall types within a monument (e.g. during surveys).

MA sheet- analysis of a functional partition (wall)

stratigraphic sequence using 'n' USM sheets

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TM: application (from norm version 4.00)

As a complement to the Wall stratigraphic unit (USM) sheet, to analyse historical building practices.

MODI - *Notation form* (under trial)

A FORM FOR RAPID DATA
ACQUISITION offering a minimum
set of mandatory fields, used in
different preliminary and
preparatory activities before the
cataloguing (e.g. censuses,
notifications, organization of lots of
materials, inventories, application
of radio-frequency IDs, salvage and
impact assessment archaeology).

The form can be used to acquire 'statistical' information for any type of heritage (movable, immovable, intangible).

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MINISTERO DEI BENI E DELLE ATTIVITÀ CULTURALI E DEL TURISMO ISTITUTO CENTRALE PER IL CATALOGO E LA DOCUMENTAZIONE MODI – MODULO INFORMATIVO VERSIONE 4.00 OTTOBRE 2014

The data recorded in MODI can later be transferred to other catalogue sheets.











MODI - **Notation** form

Application in rescue archaeology Circular no. 10, 15/06/2012 of the Antiquities Authority governs the practice of assessment of archaeological finds, and it requires the use of the MODI for the organization of archaeological documentation attached to the preliminary project (Legislative decree 163/06, amended Art. 95), to guarantee uniformity and interoperability with the Ministerial databases (particularly with the SIGEC system.

MODI - Notation form

Application in rescue archaeology

Used in impact assessments, the MODI is used to report:

- materials identified by publications, maps, archival material, etc;
- materials identified through archaeological surveys;
- materials identified through on-site research (excavation, coring, chance recoveries, etc.);
- materials identified by geophysical survey;
- anomalies showed by photo interpretation, 3D viewing;

As well as:

- areas of potential archaeological interest (from research summaries);
- areas considered free of archaeological materials.

Terminological instruments: thesauri

Developed according to international standards for thesauri (particularly UNI/ISO 5963:1985 and UNI/ISO 2788:1993)



complex terminological structures have been implemented for the correct definition of properties. The Thesauri are organised according to hierarchical and relational criteria, specifying the different functional and morphological typologies, thus guiding the cataloguer in the appropriate identification of the property under examination.

Terminological instruments: thesauri

complexes

definitions

specific terms (function,
morphology , parts)

For each term is present a 'descriptive apparatus ('scope notes') and a 'sample image

For preferential terms it is NOT indicated the respective Preferred Term

Thesaurus for the definition of archaeological finds

clarity

simplicity

gradualness



The aim is to allow its fruitful use for both expert and non-expert cataloguers, including for inventory activities (identification without in-depth technical information).



















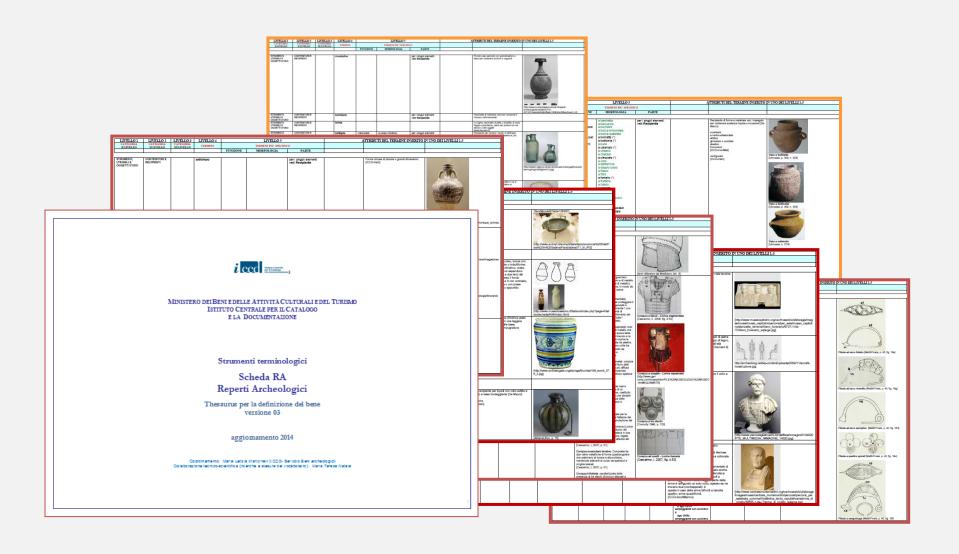


Structure of the thesaurus

2008-2014

	SCHEDA RA - REPERTI ARCHEOLOGICI - STRUTTURA DEL THESAURUS									
	LIVELLI GERARCHICI PREVISTI NEL THESAURUS SONO UTILIZZATI PER VALORIZZARE CAMPI DIVERSI DEL TRACCIATO DELLA SCHEDA RA 3.00, paragrafo OG-OGGETTO (vedere di seguito le intrutioni specifiche)									
	CLS (Per la compilazione di gerarchicamente relaziona ruccessivi livelli 4 e 5 di	ZARE PER LA COMPILA ategoria - Classe e prod el campo CLS vanno si te al termine e alle sue eve lei thessurus (si rinvis in pr sperto per il campo CLS della	luzione elezionate la definizioni nituali specifiche scelti dai roposito alla istruzioni per				ATTRIBUTI DEL TERMINE INSERITO IN UNO DEI LIVELLI 1-6			
ŀ	LIVELLO 1	LIVELLO2	LIVELLO3	LIVELLO4		LIVELLO 6				
	CATEGORIA ILIVELLO	CATEGORIA II LIVELLO	CATEGORIA III LIVELLO	TERMENE		TERADOR PRO SPECIFICO		TERMINE PREFERENCIALE	NOTA D'AMBITO	IMMAGINE ESEMPLIFICATIVA
					FUNZIONE	MORFOLOGIA	PARTE			
	col. 1	col. 2	col. 3	col. 4		col. 5				

CATEGORIES LEVEL I-II-III	Terms	Details (morphological, functional, parts)	Preferred terms	Note	Example image
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ABBIGLIAMENTO E ORNAMENTI
PERSONALI
ARREDI
EDILIZIA
MEZZI DI TRASPORTO
PITTURA
REPERTI
ARCHEOBOTANICI
REPERTI
ARCHEOZOOLOGICI
SCULTURA

STRUMENTI, UTENS E OGGETTI D'USO

TERMINI GENERICI



CATEGORIA ILIVELLO	CATEGORIA IILIVELLO	CATEGORIA III LIVELLO
	ACCESSORI	
	CALZATURE	
ABBIGLIAMENTO E ORNAMENTI PERSONALI	COPRICAPI	
	GIOIELLI E MONILI	
	VESTIMENTI	
	ARREDI SACRI E VOTIVI	ARREDI D'ALTARE
	ARREDISACRIE VOIIVI	MODELLINI
	ARREDIFUNERARI	SARCOFAGI
ARREDI	ARREDI STRADALI E URBANI	
	MOBILIA	
	TESSILI E TAPPETI	
EDILIZIA	ELEMENTI	ELEMENTI STRUTTURALI
	ARCHITETTONICI	ELEMENTI DECORATIVI E DI ARREDO

To simplify both summary and detailed recording, the thesaurus offers a limited number of 'macro-categories' (10 categories at level I), divided in subcategories (level II and level III).

	Acronym		Definition	RA sheet: examples of application
OG			OBJECT	KA sheet. examples of application
	OGT		OBJECT	
		OGTD	Definition	Amphora/ for transport, pointed
	CLS		Category - class and production	INSTRUMENTS, TOOLS AND OBJECTS OF DAILY USE/ CONTAINERS AND RECEPTACLES/ Transport amphora/ African production

OG - OGGETTO	
OGT - OGGETTO	
OGTD - Definizione	pettine
CLS - Categoria - classe e produzione	STRUMENTI, UTENSILI E OGGETTI D'USO/ IGIENE E TOELETTA



OG - OGGETTO	
OGT - OGGETTO	
OGTD - Definizione	fibula
OGTT - Tipologia	Tipo Certosa
CLS - Categoria - classe e produzione	ABBIGLIAMENTO E ORNAMENTI PERSONALI/ GIOIELLI E MONILI



OG - OGGETTO	
OGT - OGGETTO	
OGTD - Definizione	kantharos
OGTT - Tipologia	gruppo Saint Valentin
CLS - Categoria - classe e produzione	STRUMENTI, UTENSILI E OGGETTI D'USO/ CONTENITORI E RECIPIENTI/ CERAMICA/ Ceramica attica



OG - OGGETTO	
OGT - OGGETTO	
OGTD - Definizione	colonna
CLS - Categoria - classe	EDILIZIA/ ELEMENTI ARCHITETTONICI / ELEMENTI
e produzione	STRUTTURALI



OG - OGGETTO		
OGT - OGGETTO		
OGTD - Definizione	coltello	
CLS - Categoria - classe e produzione	STRUMENTI, UTENSILI E OGGETTI D'USO/ USO DOMEST	TICO

MINISTERO PER I BENI E LE ATTIVITÀ CULTURALI ISTITUTO CENTRALE PER IL CATALOGO E LA DOCUMENTAZIONE

Strumenti terminologici

Scheda SI Sito Archeologico

Vocabolario per la compilazione dei campi : OGTD – Definizione dell'oggetto OGTT – Precisazione tipologica

iccd

Glossary for the compilation of OGTD-OGTT fields,
Archaeological sites sheet

Given the principle of the site as 'territorial container', the primary aim of the Archaeological sites sheet vocabulary is to provide the general description of the site, proceeding to typological identification where possible

area di materiale mobile		
area ad uso funerario		
deposizione di materiale		
elemento per la confinazione		
giacimento subacqueo		
infrastruttura agraria		
infrastruttura assistenziale		
infrastruttura di consolidamento		
infrastruttura di servizio		
infrastruttura idrica		
infrastruttura portuale		
infrastruttura viaria		
insediamento		
luogo di attività produttiva		
monumento		
ritrovamento sporadico		
sito non identificato		
sito pluristratificato		
struttura abitativa		
struttura di fortificazione		
strutture per il culto		
tracce di frequentazione		

Glossary for the definition of archaeological sites

A table of 'macro-definitions' is provided, applying functional criteria (e.g. funerary area, agricultural infrastructure).

About cases of 'archaeological deposits' (e.g. surface artefacts, under-water remains), there are then precise typological identifications.

area di materiale mobile		
area ad uso funerario		
deposizione di materiale		
elemento per la confinazione		
giacimento subacqueo		
infrastruttura agraria		
infrastruttura assistenziale		
infrastruttura di consolidamento		
infrastruttura di servizio		
infrastruttura idrica		
infrastruttura portuale		
infrastruttura viaria		
insediamento		
luogo di attività produttiva		
monumento		
ritrovamento sporadico		
sito non identificato		
sito pluristratificato		
struttura abitativa		
struttura di fortificazione		
strutture per il culto		
tracce di frequentazione		

OGTD	OGTT	
area di materiale	area di frammenti fittili	
area di materiale <mark>S</mark> nobile		
	area di frammenti fittili e materiali	
	da costruzione	
	area di frammenti fittili subacquea	
	rea di materiale eterogeneo	
	industria litica	
	resti paleontologici	
area ad uso unerario	catacomba	
	cenotafio	
	cimitero	
	colombario	
	dolmen	
	mausoleo	
	menhir	
	monumento funerario	
	necropoli	
	recinto	
	sepolcreto rupestre	
	tofet	

ecc.



The research, analysis and testing of all the instruments discussed in this presentation (catalogue sheets, Authority files, norms in development, terminological instruments) represent a work in progress. Suggestions and proposals are very welcome