



LIDO - Lightweight Information Describing Objects Version 1.0

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**Erin Coburn,
Richard Light, Gordon McKenna,
Regine Stein, Axel Vitzthum**



LIDO v1.0 - Lightweight Information Describing Objects

ICOM-CIDOC Working Group Data Harvesting and Interchange

ARTstor, Collections Trust, Deutscher Museumsbund - Fachgruppe Dokumentation, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg, digiCULT-Verbund eG, Institut für Museumsforschung (SMB-PK), J. Paul Getty Trust, Zuse-Institut Berlin.

LIDO v1.0

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Prepared for the CIDOC Working Group Data Harvesting and Interchange, CDWA Lite/museumdat Working Group, Collections Trust and Deutscher Museumsbund - Fachgruppe Dokumentation by: Erin Coburn - The Metropolitan Museum of Art (erin.coburn@metmuseum.org), Richard Light (richard@light.demon.co.uk), Gordon McKenna - Collections Trust (gordon@collectionstrust.org.uk), Regine Stein - Deutsches Dokumentationszentrum für Kunstgeschichte Bildarchiv Foto Marburg (r.stein@fotomarburg.de), Axel Vitzthum - digiCULT-Verbund eG (avitzthum@digicult.uni-kiel.de)

2010-11-08: version 1.0. This schema version provides a common, single schema for contributing content to cultural heritage repositories. It meets the requirements articulated by CDWA Lite, museumdat and SPECTRUM.

It is a substantial redesign and enhancement of the CDWA Lite and museumdat schemas based on recommendations of the CDWA Lite/museumdat Working Group, community feedback and further CIDOC-CRM analysis. It includes additional concepts to meet SPECTRUM requirements.

The schema supersedes both the CDWA Lite v1.1 schema and the museumdat v1.0 schema and serves as the harvesting schema for contributing museum information for resource discovery.

For most recent information on LIDO please refer to: <http://www.lido-schema.org>

LIDO name and logo courtesy Rob Lancefield.

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Generated from a TEI representation of LIDO schema:

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1 How to use this document

This guide to LIDO gives the user a number of ways to gain an understanding of the schema:

Global overview

Within the introduction section you will find the "Outline of LIDO" (section 2.2): It shows how the schema was designed and the semantic information groups it holds.

Hierarchical view

An XML schema is fundamentally hierarchical. Therefore it is naturally described in that way. The hierarchical view begins with:

- Global wrapper elements (section 3).

These are the major structural elements of a LIDO record.

Within these you will find the elements containing the main areas of information in a LIDO record:

- Object Classification elements (section 4);
- Object Identification elements (section 5);
- Event elements (section 6);
- Relation elements (section 7);
- Rights for Work elements (section 8);
- Record elements (section 9);
- Resource elements (section 10);

Each section provides an overview of the next sub-level which corresponds to the main semantic information groups of LIDO. Subsequently all these information groups are listed with their full sub-element hierarchy. Each entry in the hierarchical listing is a hyperlink to the respective element description in the alphabetical listing.

Alphabetical list of elements

Each element is listed with two parts:

A **Description** with:

- **Short title**;
- **General** scope note;
- **How to record** contents of the element;
- **Notes** (for some elements).

A **Technical** definition with:

- **Tag-name**;
- **Attributes** (with hyperlink to their descriptions);
- If **required** (within its super-element);
- If **repeatable**;
- **Super-elements** - those it can appear within (with hyperlinks);
- **Sub-elements** - those that can appear within it (with hyperlinks);

- **Used in elements** - for attribute definitions (with hyperlinks);
- **Equivalents** to the schemas on which LIDO is based: CDWA Lite, museumdat, and SPECTRUM. (Equivalent CIDOC-CRM paths will eventually be included as well.)

Practical hints for using PDF with the Adobe Acrobat Reader

Clicking on an element name (a hypertext link) in the hierarchical view in sections 3-10 will take you to the appropriate description in the alphabetical list of elements. To go back where you were in the hierarchical view you can use the

- **Alt + Left arrow** key combination.

In a similar way using the

- **Alt + Right arrow** key combination

will take you back to the alphabetical list of elements.

2 Introduction

2.1 Why LIDO?

Organizations need to provide information on their objects to many portals including thematic, cross domain, regional, national and international, and web applications. The difficulty is that the object information is in the providers' own collections management systems and cataloguing databases. Each of these has potentially a different metadata format. This means that it is both time-consuming and costly to integrate information from all those organizations wanting to participate. To overcome this situation LIDO has been developed.

2.2 Outline of LIDO

LIDO is a schema intended for delivering metadata, for use in a variety of online services, from an organization's online collections database to portals of aggregated resources, as well as exposing, sharing and connecting data on the web. LIDO is not intended to be used as a basis for a collection management system or to support loan and acquisition activities. Its strength lies in its ability to support the full range of descriptive information about museum objects. It can be used for all kinds of object, e.g. art, cultural, technology and natural science. It supports multilingual portal environments.

LIDO defines 14 groups of information of which only three are mandatory. This allows for as large a variety of completeness of information as possible. Organizations can decide which data they want provide to a portal and publish online.

It is made up of a nested set of 'wrapper' and 'set' elements which structure records in culturally significant ways. An important part of its design is the concept of events taken from the CIDOC CRM. For example the creation, collection, and use of an object are defined as events that have associated entities such as dates, places and actors. These can all be represented in a consistent way.

LIDO also allows an organization to provide (in different parts of the schema):

- Indexing information – optimized for searching and retrieval;
- Display information – optimized for presenting information online to the user of the portal.

The structural elements of LIDO contain 'data elements' which hold the information that is being harvested and is delivered to the user of the service environment.

LIDO also allows the recording of information about the sources for data (e.g. in a book) and controlled terminology (e.g. the identification code for a term in a thesaurus).

Conceptually the information in a LIDO record is organized in 7 areas, of which 4 have descriptive and 3 administrative character:

Descriptive Information

Object Classification - information about the type of the object:

- Object type [mandatory];
- Other classification terms for the object – e.g. style, form, age, sex, phase, etc.

Object Identification - basic information about the object:

- Title (or object name if no title) [mandatory];
- Inscriptions – transcript and/or description;
- Repository – the organizations that holds the physical object and its identifier;
- Display and edition information – especially for prints;
- Description – descriptive text;
- Measurements.

Event - events that the object has taken part in.

Of specific importance are: Acquisition, Creation, Finding, Modification, Use.

Further event types include: Collecting, Designing, Destruction, Excavation, Exhibition, Loss, Move, Order, Part addition, Part removal, Performance, Planning, Production, Provenance, Publication, Restoration, Transformation, Type assignment, Type creation.

For each event, register information, if relevant, about:

- Event ID;
- Event type;
- Object's role in the event;
- Event name;
- Actors (persons and organisations);
- Cultures involved;
- Date;
- Period;
- Places;
- Event method;
- Materials and techniques used;
- Other objects present at the event;
- Related events;
- Description of the event.

Relation - relations of the object to:

- Its subject (content or visual) – concepts, actors, events, dates, places, events, and objects;
- Other objects directly related to the object at hand.

Administrative Information

Rights Work - information about the rights associated with the object:

- Rights type;
- Rights holder;
- Rights dates;
- Credit line.

Record - basic information about the record:

- Record ID [mandatory];
- Record Type [mandatory];
- Record Source [mandatory];
- Record rights – of the metadata where different from the object;
- Metadata references for the presented information.

Resource - information about digital resource being supplied to the service environment:

- Link – URL of the resource;
- Resource ID;
- Relationship type – e.g. conservation, historical, reconstruction;
- Resource type – its medium (e.g. x-ray);
- Resource rights – of the resource where different from the object;
- View description;
- View type – vantage point of the resource;
- View date;
- Resource source – if not from the holding organisation;
- Related resources;
- Resource metadata location – pointer to other information about the resource.

2.3 History of the schema

LIDO is the result of a joint effort of the CDWA Lite, museumdat, SPECTRUM and CIDOC CRM communities. The schema combines the CDWA Lite and museumdat schemas and is informed by SPECTRUM concepts. It is CIDOC CRM compliant and can be used to submit information about all kinds of cultural heritage objects.

CDWA Lite is an XML schema for encoding core records for works of art and material culture based on the data elements and guidelines in Categories for the Description of Works of Art (CDWA) and following the data content standard Cataloging Cultural Objects (CCO), provided by the J. Paul Getty Trust and ARTstor. It is intended as a low-barrier way to enable institutions to contribute their collections information to union catalogs using the Open Archives Initiatives Protocol for Metadata Harvesting (OAI/PMH). For more information see: http://getty.art.museum/research/conducting_research/standards/cdwa/cdwalite.html

museumdat is an XML schema, created by the Documentation Committee of the German Museums Association, which builds on CDWA Lite but goes beyond its focus on art. This is achieved by a reconfiguration of elements that uses the event-oriented multi-disciplinary

approach of the CIDOC Conceptual Reference Model. For more information see: <http://www.museumdat.org/index.php?ln=en>

CIDOC CRM provides definitions and a formal structure for describing the implicit and explicit concepts and relationships used in cultural heritage documentation. It is intended to be a common language for domain experts and implementers to formulate requirements for information systems and to serve as a guide for good practice of conceptual modeling. Work is carried out through the CIDOC CRM Special Interest Group. For more information see: <http://www.cidoc-crm.org>

SPECTRUM XML schema is based on the UK and international standard for collections management with the same name from the Collections Trust. It provides a format for exchanging object records between different collections management systems and aggregating data. For more information see: <http://www.collectionstrust.org.uk/schema>

2.4 Other Copyright Information

For LIDO:

© 2009-2010 ICOM-CIDOC for the Data Harvesting and Interchange Working Group

Prepared for the CIDOC Working Group Data Harvesting and Interchange, CDWA Lite/ museumdat Working Group, Collections Trust and Deutscher Museumsbund - Fachgruppe Dokumentation by: Erin Coburn - The Metropolitan Museum of Art (erin.coburn@metmuseum.org), Richard Light (richard@light.demon.co.uk), Gordon McKenna - Collections Trust (gordon@collectionstrust.org.uk), Regine Stein - Deutsches Dokumentationszentrum für Kunstgeschichte Bildarchiv Foto Marburg (r.stein@fotomarburg.de), Axel Vitzthum - digiCULT-Verbund eG (avitzthum@digicult.uni-kiel.de)

For museumdat:

© 2006-2009 Deutscher Museumsbund - Fachgruppe Dokumentation, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg, digiCULT-Verbund eG, Institut für Museumsforschung (SMB-PK), Zuse-Institut Berlin.

Prepared for Deutscher Museumsbund - Fachgruppe Dokumentation by: Carlos Saro - Zuse Institute Berlin (saro@zib.de), Regine Stein - Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg (r.stein@fotomarburg.de) / Zuse Institute Berlin, Axel Vitzthum - digiCULT-Verbund eG (avitzthum@digicult.uni-kiel.de)

For CDWA Lite:

© 2005, 2006 ARTstor and J Paul Getty Trust.

Prepared for ARTstor and the Getty Research Institute / J Paul Getty Trust by: Ameer Ahmed - ARTstor (aahmed@artstor.org), Joseph Shubitowski - Getty Research Institute (JShubitowski@getty.edu), Karim Boughida - Getty Research Institute (KBoughida@getty.edu)

2.5 Acknowledgements

LIDO is the result of an international collaborative effort to create a common solution for contributing cultural heritage content to portals including thematic, cross domain, regional, national and international, and to other union resources and repositories.

The work began when a team of colleagues at the J. Paul Getty Trust and ARTstor set out to develop CDWA Lite, an XML schema for describing cultural materials and their visual surrogates to provide an easier and more sustainable model for contributing to union resources. It advanced with the Working Group Data Exchange of the German Museum Association's development of museumdat, a harvesting format optimized for retrieval and publication for delivering automatically core data to museum portals, which is a CIDOC CRM compatible generalization of CDWA Lite.

The process concluded with a charge from the CDWA Lite Advisory Committee to create a single schema that meets the requirements articulated by CDWA-Lite and museumdat, which resulted in LIDO, a joint effort of the CDWA Lite, museumdat, SPECTRUM and CIDOC CRM communities.

LIDO combines the CDWA Lite and museumdat schemas and is informed by SPECTRUM. Being CIDOC CRM compliant, it aims at contributing information of all kinds of cultural heritage objects for resource discovery.

Special thanks go to:

- Kenneth Hamma for his early leadership with CDWA Lite, and his sustained support over the years as developments with CDWA Lite manifested into what has today become LIDO;
- Regine Stein for recognizing the potential in CDWA Lite and leading efforts to expand upon its foundation to create museumdat, a schema more accommodating to natural and cultural history collections, and compliant with the international standard CIDOC CRM, and subsequently for leading the development of LIDO;
- All the international committees and working groups who diligently worked over the last few years to combine CDWA Lite and museumdat into the common solution LIDO, and expanded its meaning to include SPECTRUM and to make it compliant with CIDOC CRM.

The names of individuals who participated in efforts with LIDO, museumdat, and CDWA Lite are listed below with their respective working groups, committees, or the schemas they helped create. However there are a few people whose commitment to developing LIDO deserves mention: Erin Coburn, Robb Detlefs, Martin Doerr, Jay Hoffman, Monika Hagedorn-Saupe, Richard Light, Gordon McKenna, Regine Stein, Axel Vitzthum, and Bill Ying. Additional thanks to Rob Lancefield for conceiving the name LIDO (Lightweight Information Describing Objects) and the LIDO logo.

Finally LIDO would not have been possible without the generous support of the institutions and organizations that allowed their staff to work on this international collaborative effort. Special thanks is given to those who hosted committee meetings or provided support for

convenings that advanced the development of LIDO: ATHENA Project, CIDOC, The Getty Foundation; Institut für Museumsforschung (SMB-PK); and The Museum Computer Network.

The information and activities that are related to LIDO are centralized under the Data Harvesting and Interchange Working Group in CIDOC. The Working Group serves as the source for the most up-to-date information about advancements with LIDO, and serve as a place to evaluate its progress, implementations and understanding within the greater community.

LIDO: Schema for Contributing Content to Cultural Heritage Repositories (Version 1.0)

CDWA Lite Advisory Committee

Erin Coburn, The Metropolitan Museum of Art;
Monika Hagedorn-Saupe, Institut für Museumsforschung SMB-PK – IfM;
Kenneth Hamma, Information Consultant to Non-Profit Collections;
Jay Hoffman, Gallery Systems;
Nick Poole, Collections Trust;
Jenn Riley, Indiana University;
Joe Shubitowski, Getty Research Institute;
Günter Waibel, RLG Programs, OCLC;
Dustin Wees, ARTstor.

CDWA Lite – museumdat Working Group

Ameer Ahmed, ARTstor;
Karim Boughida, George Washington University;
Ted Dancescu, J. Paul Getty Trust;
Robb Detlefs, Gallery Systems;
Regine Stein, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg;
Bruce Washburn, OCLC;
Bill Ying, ARTstor;
Jeff Young, OCLC;
Axel Vitzthum, digiCULT-Verbund eG.

The Documentation Committee of the German Museums Association; Working Group Data Exchange of the German Museum Association (DMB)

Axel Ermert, Institut für Museumsforschung SMB-PK;
Jürgen Gottschewski, Zuse-Institut Berlin;
Monika Hagedorn-Saupe, Institut für Museumsforschung SMB-PK;
Hans-Jürgen Hansen, Stiftung Schleswig-Holsteinische Landesmuseen Schloß Gottorf;
Regine Heuchert, Landesmuseum für Technik und Arbeit Mannheim;

Angela Kailus, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg;
Stefan Rohde-Enslin, Institut für Museumsforschung SMB-PK;
Carlos Saro, Zuse-Institut Berlin;
Regine Scheffel, Hochschule für Technik, Wirtschaft und Kultur Leipzig;
Gisela Schulte-Dornberg, Kulturstadt der Landeshauptstadt Düsseldorf;
Jörn Sieglerschmidt, Bibliotheksservicezentrum Baden-Württemberg;
Regine Stein, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg;
Axel Vitzthum, digiCULT-Verbund eG.

ATHENA Working Group 3 (Identifying standards and developing recommendations)

Chris De Loof, Royal Museums of Art and History, Belgium;
Nasos Drosopoulos, National Technical University of Athens;
Monika Hagedorn-Saupe, Institut für Museumsforschung SMB-PK;
Piotr Kozurno, ICIMSS, Poland;
Erik Kriššák, Slovak National Museum;
Allison Kupietzky, Israel Museum;
Richard Light (Consultant);
Catherine Lupovici, Europeana Foundation;
Gordon McKenna, Collections Trust;
Effie Patsatzi, DNAM – HMC, Greece;
Stefan Rohde-Enslin, Institut für Museumsforschung;
Jörn Sieglerschmidt, Bibliotheksservicezentrum Baden-Württemberg;
Regine Stein, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg;
Mikael Vakkari, National Board of Antiquities, Finland;
Axel Vitzthum, digicult Schleswig-Holstein;
Roxanne Wyns, Royal Museums of Art and History, Belgium.

museumdat – Harvesting Format for Providing Core Data from Museum Holdings (Version 1.0)

Axel Ermert, Institut für Museumsforschung SMB-PK;
Jürgen Gottschewski, Zuse-Institut Berlin;
Monika Hagedorn-Saupe, Institut für Museumsforschung SMB-PK;
Hans-Jürgen Hansen, Stiftung Schleswig-Holsteinische Landesmuseen Schloß Gottorf;
Regine Heuchert, Landesmuseum für Technik und Arbeit Mannheim;
Angela Kailus, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto Marburg;
Carlos Saro, Zuse-Institut Berlin;
Regine Scheffel, Hochschule für Technik, Wirtschaft und Kultur Leipzig;
Gisela Schulte-Dornberg, Kulturstadt der Landeshauptstadt Düsseldorf;

Jörn Sieglerschmidt, Bibliotheksservicezentrum Baden-Württemberg;
Regine Stein, Deutsches Dokumentationszentrum für Kunstgeschichte - Bildarchiv Foto
Marburg / Zuse-Institut Berlin – ZIB;
Axel Vitzthum, digiCULT-Verbund eG.

CDWA Lite: XML Schema Content for Contributing Records via the OAI Harvesting Protocol (Version 1.1)

Ameer Ahmed, ARTstor;
Nancy Allen, ARTstor;
Murtha Baca, Getty Research Institute;
Karim Bougida, Getty Research Institute;
Erin Coburn, J. Paul Getty Museum;
Ted Dancescu, J. Paul Getty Trust;
Cris Grunca, J. Paul Getty Trust;
Kenneth Hamma, J. Paul Getty Trust;
Patricia Harpring, Getty Research Institute;
Deb Lenert, Getty Research Institute;
Eric Li, ARTstor;
Jack Ludden, J. Paul Getty Trust;
Emerson Morgan, ARTstor;
Joe Shubitowski, Getty Research Institute;
Dustin Wees, ARTstor;
Bill Ying, ARTstor.

3 Global wrapper elements

These define the first three levels of a LIDO XML document:

Wrapper for the whole document (lidoWrap)

Wrapper for an object record (lido)

LIDO Metadata Record-ID (lidoRecID)

Published Object Identifier (objectPublishedID)

Category (category)

Concept Identifier (conceptID)

Term / Label (term)

Descriptive Metadata (descriptiveMetadata)

Object Classification Wrapper (objectClassificationWrap)

(see Object Classification elements section)

Object Identification Wrapper (objectIdentificationWrap)

(see Object Identification elements section)

Event Wrapper (eventWrap)

(see Event elements section)

Object Relation Wrapper (objectRelationWrap)

(see Object Relation elements section)

Administrative Metadata (administrativeMetadata)

Rights for Work Wrapper (rightsWorkWrap)

(see Rights for Work elements section)

Record Wrapper (recordWrap)

(see Record elements section)

Resource Wrapper (resourceWrap)

(see Resource elements section)

Wrapper for an object / work record. (lido)

LIDO Metadata Record-ID (lidoRecID)

Published Object Identifier (objectPublishedID)

Category (category)

Concept Identifier (conceptID)

Term / Label (term)

Descriptive Metadata (descriptiveMetadata)

Object Classification Wrapper (objectClassificationWrap)

(see Object Classification elements section)

Object Identification Wrapper (objectIdentificationWrap)

(see Object Identification elements section)

Event Wrapper (eventWrap)

(see Event elements section)

Object Relation Wrapper (objectRelationWrap)

(see Object Relation elements section)

Administrative Metadata (administrativeMetadata)

Rights for Work Wrapper (rightsWorkWrap)

(see Rights for Work elements section)

Record Wrapper (recordWrap)

(see Record elements section)

Resource Wrapper (resourceWrap)

(see Resource elements section)

Descriptive Metadata (descriptiveMetadata)

Object Classification Wrapper (objectClassificationWrap)

(see Object Classification elements section)

Object Identification Wrapper (objectIdentificationWrap)

(see Object Identification elements section)

Event Wrapper (eventWrap)

(see Event elements section)

Object Relation Wrapper (objectRelationWrap)

(see Object Relation elements section)

Administrative Metadata (administrativeMetadata)

Rights for Work Wrapper (rightsWorkWrap)

(see Rights for Work elements section)

Record Wrapper (recordWrap)

(see Record elements section)

Resource Wrapper (resourceWrap)

(see Resource elements section)

4 Object Classification elements

All classifying information about an object / work, such as: object / work type, style, genre, form, age, sex, and phase, or by how holding organization structures its collection (e.g. fine art, decorative art, prints and drawings, natural science, numismatics, or local history).

Object Classification Wrapper (objectClassificationWrap)

Object/Work Type Wrapper (objectWorkTypeWrap)

(contents listed below)

Classification Wrapper (classificationWrap)

(contents listed below)

Object/Work Type Wrapper (objectWorkTypeWrap)

Object/Work Type (objectWorkType)

Concept Identifier (conceptID)

Term / Label (term)

Classification Wrapper (classificationWrap)

Classification (classification)

Concept Identifier (conceptID)

Term / Label (term)

5 Object Identification elements

Information that identifies an object / work, for example: names, descriptions, and repository information.

Object Identification Wrapper (objectIdentificationWrap)

Title or Object Name Wrapper (titleWrap)

(contents listed below)

Inscriptions and other Marks Wrapper (inscriptionsWrap)

(contents listed below)

Custody/Repository Location (Wrapper) (repositoryWrap)

(contents listed below)

Display State/Edition Wrapper (displayStateEditionWrap)

(contents listed below)

Object Description/Descriptive Note Wrapper (objectDescriptionWrap)

(contents listed below)

Object Measurements Wrapper (objectMeasurementsWrap)

(contents listed below)

Title or Object Name Wrapper (titleWrap)

Title or Object Name Set (titleSet)

Appellation Value (appellationValue)

Source Appellation (sourceAppellation)

Inscriptions and other Marks Wrapper (inscriptionsWrap)

Inscriptions (inscriptions)

Inscription Transcription (inscriptionTranscription)

Inscription Description (inscriptionDescription)

Description/Descriptive Note Identifier (descriptiveNoteID)

Description/Descriptive Note (descriptiveNoteValue)

Source Description/Descriptive Note (sourceDescriptiveNote)

Custody/Repository Location (Wrapper) (repositoryWrap)

Custody/Repository Location Set (repositorySet)

Custody: Institution / Person (repositoryName)

Legal Body ID (legalBodyID)

Legal Body Name (legalBodyName)

Appellation Value (appellationValue)

Source Appellation (sourceAppellation)

Legal Body Weblink (legalBodyWeblink)

Custody: Identification number (workID)

Location (repositoryLocation)

Place Identifier (placeID)

Place Name Set (namePlaceSet)

Appellation Value (appellationValue)

- Source Appellation (sourceAppellation)
- GML (gml)
- Part of Geographical Entity (partOfPlace)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
- Part of Geographical Entity (partOfPlace)
 - ... etc. (partOfPlace can contain itself)*
- Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)

Display State/Edition Wrapper (displayStateEditionWrap)

- Display State (displayState)
- Display Edition (displayEdition)
- Source Display State/Edition (sourceStateEdition)

Object Description/Descriptive Note Wrapper (objectDescriptionWrap)

- Description/Descriptive Note Set (objectDescriptionSet)
 - Description/Descriptive Note Identifier (descriptiveNoteID)
 - Description/Descriptive Note (descriptiveNoteValue)
 - Source Description/Descriptive Note (sourceDescriptiveNote)

Object Measurements Wrapper (objectMeasurementsWrap)

- Object Measurements Set (objectMeasurementsSet)
 - Display Object Measurement (displayObjectMeasurements)
 - Object Measurement (objectMeasurements)
 - Measurements Set (measurementsSet)
 - Measurement Type (measurementType)
 - Measurement Unit (measurementUnit)
 - Measurement Value (measurementValue)
 - Extent Measurements (extentMeasurements)
 - Qualifier Measurements (qualifierMeasurements)
 - Format Measurements (formatMeasurements)
 - Shape Measurements (shapeMeasurements)
 - Scale Measurements (scaleMeasurements)

6 Event elements

Information about an event that an object / work took part for example its: creation / production, find, use, modification, and acquisition. Events have dates, places and actors, and other describing elements associated with them.

Event Wrapper (eventWrap)

- Event Set (eventSet)
 - Display Event (displayEvent)
- Event (event)
 - Event Identifier (eventID)
 - Event Type (eventType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Role in Event (roleInEvent)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Event Name (eventName)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - Event Actor (eventActor)
 - Display Actor in Role (displayActorInRole)
 - Actor in Role (actorInRole)
 - Actor (actor)
 - Actor Identifier (actorID)
 - Name Actor Set (nameActorSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - Nationality Actor (nationalityActor)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Vital Dates Actor (vitalDatesActor)
 - Earliest Date (earliestDate)
 - Latest Date (latestDate)
 - Gender Actor (genderActor)
 - Role Actor (roleActor)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Attribution Qualifier Actor (attributionQualifierActor)
 - Actor: Extent of participation (extentActor)
 - Cultural context (culture)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Event Date (eventDate)
 - Display Date (displayDate)

- Date (date)
 - Earliest Date (earliestDate)
 - Latest Date (latestDate)
- Period (periodName)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Place (eventPlace)
 - Display Place (displayPlace)
 - Place (place)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
 - Part of Geographical Entity (partOfPlace)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
 - Part of Geographical Entity (partOfPlace)
 - ... etc. (partOfPlace can contain itself)*
 - Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Method (eventMethod)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Materials/Technique (eventMaterialsTech)
 - Display Materials Technique (displayMaterialsTech)
 - Materials Technique (materialsTech)
 - Concept Materials Techniques (termMaterialsTech)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Extent Materials Techniques (extentMaterialsTech)
 - Source Materials Techniques (sourceMaterialsTech)
- Thing Present (thingPresent)
 - Display Object (displayObject)
 - Object (object)
 - Object: Webresource (objectWebResource)
 - Object Identifier (objectID)

- Object Note (objectNote)
- Related Event (relatedEventSet)
 - Related Event (relatedEvent)
 - Display Event (displayEvent)
 - Event (event)
 - ... etc. (event can contain itself)*
 - Related Event Relationship Type (relatedEventRelType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Description (eventDescriptionSet)
 - Description/Descriptive Note Identifier (descriptiveNoteID)
 - Description/Descriptive Note (descriptiveNoteValue)
 - Source Description/Descriptive Note (sourceDescriptiveNote)

7 Object Relation elements

For describing any entities related to an object / work. This may be the visual content (e.g. the iconography of a painting) or associated concepts and activities from its history ("is about"). Direct relationships to other objects / works are indicated here, e.g. between an object / work and its components.

Note that any surrogates of an object / work are recorded as resources.

Object Relation Wrapper (objectRelationWrap)

Subject Wrapper (subjectWrap)

(contents listed below)

Related Works Wrapper (relatedWorksWrap)

(contents listed below)

Subject Wrapper (subjectWrap)

Subject Set (subjectSet)

Display Subject (displaySubject)

Subject (subject)

Extent Subject (extentSubject)

Subject Concept (subjectConcept)

Concept Identifier (conceptID)

Term / Label (term)

Subject Actor Set (subjectActor)

Display Actor (displayActor)

Actor (actor)

Actor Identifier (actorID)

Name Actor Set (nameActorSet)

Appellation Value (appellationValue)

Source Appellation (sourceAppellation)

Nationality Actor (nationalityActor)

Concept Identifier (conceptID)

Term / Label (term)

Vital Dates Actor (vitalDatesActor)

Earliest Date (earliestDate)

Latest Date (latestDate)

Gender Actor (genderActor)

Subject Date Set (subjectDate)

Display Date (displayDate)

Date (date)

Earliest Date (earliestDate)

Latest Date (latestDate)

Subject Event Set (subjectEvent)

Display Event (displayEvent)

Event (event)

Event Identifier (eventID)

Event Type (eventType)
 Concept Identifier (conceptID)
 Term / Label (term)
 Role in Event (roleInEvent)
 Concept Identifier (conceptID)
 Term / Label (term)
 Event Name (eventName)
 Appellation Value (appellationValue)
 Source Appellation (sourceAppellation)
 Event Actor (eventActor)
 Display Actor in Role (displayActorInRole)
 Actor in Role (actorInRole)
 Actor (actor)
 Actor Identifier (actorID)
 Name Actor Set (nameActorSet)
 Appellation Value (appellationValue)
 Source Appellation (sourceAppellation)
 Nationality Actor (nationalityActor)
 Concept Identifier (conceptID)
 Term / Label (term)
 Vital Dates Actor (vitalDatesActor)
 Earliest Date (earliestDate)
 Latest Date (latestDate)
 Gender Actor (genderActor)
 Role Actor (roleActor)
 Concept Identifier (conceptID)
 Term / Label (term)
 Attribution Qualifier Actor (attributionQualifierActor)
 Actor: Extent of participation (extentActor)
 Cultural context (culture)
 Concept Identifier (conceptID)
 Term / Label (term)
 Event Date (eventDate)
 Display Date (displayDate)
 Date (date)
 Earliest Date (earliestDate)
 Latest Date (latestDate)
 Period (periodName)
 Concept Identifier (conceptID)
 Term / Label (term)
 Event Place (eventPlace)
 Display Place (displayPlace)
 Place (place)
 Place Identifier (placeID)

- Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
- GML (gml)
- Part of Geographical Entity (partOfPlace)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
- Part of Geographical Entity (partOfPlace)
 - ... etc. (partOfPlace can contain itself)*
- Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Method (eventMethod)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Materials/Technique (eventMaterialsTech)
 - Display Materials Technique (displayMaterialsTech)
 - Materials Technique (materialsTech)
 - Concept Materials Techniques (termMaterialsTech)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Extent Materials Techniques (extentMaterialsTech)
 - Source Materials Techniques (sourceMaterialsTech)
- Thing Present (thingPresent)
 - Display Object (displayObject)
 - Object (object)
 - Object: Webresource (objectWebResource)
 - Object Identifier (objectID)
 - Object Note (objectNote)
- Related Event (relatedEventSet)
 - Related Event (relatedEvent)
 - Display Event (displayEvent)
 - Event (event)
 - ... etc. (event can contain itself)*
 - Related Event Relationship Type (relatedEventRelType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Event Description (eventDescriptionSet)

- Description/Descriptive Note Identifier (descriptiveNoteID)
- Description/Descriptive Note (descriptiveNoteValue)
- Source Description/Descriptive Note (sourceDescriptiveNote)
- Subject Place Set (subjectPlace)
 - Display Place (displayPlace)
 - Place (place)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
 - Part of Geographical Entity (partOfPlace)
 - Place Identifier (placeID)
 - Place Name Set (namePlaceSet)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - GML (gml)
 - Part of Geographical Entity (partOfPlace)
 - ... etc. (*partOfPlace can contain itself*)
 - Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Place Classification (placeClassification)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Subject Object (subjectObject)
 - Display Object (displayObject)
 - Object (object)
 - Object: Webresource (objectWebResource)
 - Object Identifier (objectID)
 - Object Note (objectNote)

Related Works Wrapper (relatedWorksWrap)

- Related Work Set (relatedWorkSet)
 - Related Work (relatedWork)
 - Display Object (displayObject)
 - Object (object)
 - Object: Webresource (objectWebResource)
 - Object Identifier (objectID)
 - Object Note (objectNote)
 - Related Work Relationship Type (relatedWorkRelType)
 - Concept Identifier (conceptID)
 - Term / Label (term)

8 Rights for Work elements

Information about rights management of an object / work. This may include copyright, or other intellectual property statements, required for its use.

Rights for Work Wrapper (rightsWorkWrap)

- Rights for Work Set (rightsWorkSet)

 - Rights Type (rightsType)

 - Concept Identifier (conceptID)

 - Term / Label (term)

- Rights Date (rightsDate)

 - Earliest Date (earliestDate)

 - Latest Date (latestDate)

- Rights Holder (rightsHolder)

 - Legal Body ID (legalBodyID)

 - Legal Body Name (legalBodyName)

 - Appellation Value (appellationValue)

 - Source Appellation (sourceAppellation)

 - Legal Body Weblink (legalBodyWeblink)

- Creditline (creditLine)

9 Record elements

Information about the catalogue record itself, for example its: ID, type, source, and rights. Some of this information may not be stored as data in a collection management system but is implicit.

Record Wrapper (recordWrap)

- Record ID (recordID)
- Record Type (recordType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Record Source (recordSource)
 - Legal Body ID (legalBodyID)
 - Legal Body Name (legalBodyName)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - Legal Body Weblink (legalBodyWeblink)
- Rights for Record (recordRights)
 - Rights Type (rightsType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Rights Date (rightsDate)
 - Earliest Date (earliestDate)
 - Latest Date (latestDate)
 - Rights Holder (rightsHolder)
 - Legal Body ID (legalBodyID)
 - Legal Body Name (legalBodyName)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - Legal Body Weblink (legalBodyWeblink)
- Creditline (creditLine)
- Record Metadata Information Set (recordInfoSet)
 - Record Info ID (recordInfoID)
 - Record Info Link (recordInfoLink)
 - Record Metadata Date (recordMetadataDate)

10 Resource elements

For describing resources that are surrogates for an object / work, particularly including digital images, videos or audio files that represent it in an online service.

Resource Wrapper (resourceWrap)

- Resource Set (resourceSet)
 - Resource Identification Number (resourceID)
 - Resource Representation (resourceRepresentation)
 - Link Resource (linkResource)
 - Resource Measurement Set (resourceMeasurementsSet)
 - Measurement Type (measurementType)
 - Measurement Unit (measurementUnit)
 - Measurement Value (measurementValue)
- Resource Type (resourceType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Resource Relationship Type (resourceRelType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Resource Perspective (resourcePerspective)
 - Concept Identifier (conceptID)
 - Term / Label (term)
- Resource Description (resourceDescription)
- Display Date (displayDate)
- Date (date)
 - Earliest Date (earliestDate)
 - Latest Date (latestDate)
- Resource Source (resourceSource)
 - Legal Body ID (legalBodyID)
 - Legal Body Name (legalBodyName)
 - Appellation Value (appellationValue)
 - Source Appellation (sourceAppellation)
 - Legal Body Weblink (legalBodyWeblink)
- Rights for Resource (rightsResource)
 - Rights Type (rightsType)
 - Concept Identifier (conceptID)
 - Term / Label (term)
 - Rights Date (rightsDate)
 - Earliest Date (earliestDate)
 - Latest Date (latestDate)
 - Rights Holder (rightsHolder)
 - Legal Body ID (legalBodyID)
 - Legal Body Name (legalBodyName)
 - Appellation Value (appellationValue)

Source Appellation (sourceAppellation)
Legal Body Weblink (legalBodyWeblink)
Creditline (creditLine)

Alphabetical list of elements

Element actor	
Description	
<i>Title</i>	Actor
<i>General</i>	Describes and identifies an actor, i.e. a person, corporation, family or group, containing structured sub-elements for indexing and identification references.
Technical	
<i>Tag-name</i>	actor
<i>Attributes</i>	type
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	subjectActor
<i>Sub-elements</i>	actorID; nameActorSet; nationalityActor; vitalDatesActor; genderActor
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element actorID	
Description	
<i>Title</i>	Actor Identifier
<i>General</i>	A unique identifier for the actor.
<i>How to record</i>	Preferably taken from a published authority file.
Technical	
<i>Tag-name</i>	actorID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No

<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actor; actor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite nameCreator [attributes 'termsource' and 'termsourceID'] [creator generalized into actor]
	museumdat nameActor [attributes 'termsource' and 'termsourceID']
	SPECTRUM Organisation's reference number; Person's reference number

Element actorInRole	
Description	
<i>Title</i>	Actor in Role
<i>General</i>	Describes an actor with role and (if necessary) attributions in a structured way, consisting of the sub-elements actor, its role, attribution and extent.
Technical	
<i>Tag-name</i>	actorInRole
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	eventActor
<i>Sub-elements</i>	actor; roleActor; attributionQualifierActor; extentActor
<i>Equivalents</i>	CDWA Lite indexingCreatorSet [creator generalized into actor]
	museumdat indexingActorSet
	SPECTRUM [none]

Element administrativeMetadata	
Description	
<i>Title</i>	Administrative Metadata

<i>General</i>	Holds the administrative metadata for an object / work record.
<i>How to record</i>	The attribute <code>xml:lang</code> is mandatory and specifies the language of the administrative metadata. For fully multi-lingual resources, repeat this element once for each language represented. If only a few data fields (e.g. title, creditline) are provided in more than one language, the respective text elements may be repeated specifying the <code>lang</code> attribute on the text level.
Technical	
<i>Tag-name</i>	<code>administrativeMetadata</code>
<i>Attributes</i>	<code>xml:lang</code>
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	<code>lido</code>
<i>Sub-elements</i>	<code>rightsWorkWrap</code> ; <code>recordWrap</code> ; <code>resourceWrap</code>
<i>Equivalents</i>	CDWA Lite <code>administrativeMetadata</code>
	<code>museumdat</code> <code>administrativeMetadata</code>
	SPECTRUM [none]

Element <code>appellationValue</code>	
Description	
<i>Title</i>	Appellation Value
<i>General</i>	Appellations, e.g. titles, identifying phrases, or names given to an item, but also name of a person or corporation, also place name etc.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	<code>appellationValue</code>
<i>Attributes</i>	<code>pref</code> ; <code>xml:lang</code> ; <code>encodinganalog</code> ; <code>label</code>
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes

<i>Super-elements</i>	eventName; legalBodyName; nameActorSet; namePlaceSet; titleSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite title; nameCreator; locationName [for example]
	museumdat title; repositoryName; nameActor; nameLocation [for example]
	SPECTRUM [holds data - see parent element]

Element attributionQualifierActor	
Description	
<i>Title</i>	Attribution Qualifier Actor
<i>General</i>	A qualifier used when the attribution is uncertain, is in dispute, when there is more than one actor, when there is a former attribution, or when the attribution otherwise requires explanation.
<i>How to record</i>	Example values: attributed to, studio of, workshop of, atelier of, office of, assistant of, associate of, pupil of, follower of, school of, circle of, style of, after copyist of, manner of...
Technical	
<i>Tag-name</i>	attributionQualifierActor
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actorInRole
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite attributionQualifierCreator
	museumdat attributionQualifierActor
	SPECTRUM [none]

Element category	
Description	
<i>Title</i>	Category

<i>General</i>	Indicates the category of which this item is an instance, preferably referring to CIDOC-CRM concept definitions.
<i>How to record</i>	CIDOC-CRM concept definitions are given at http://www.cidoc-crm.org/crm-concepts/ Data values in the sub-element term may often be: Man-Made Object (with conceptID " http://www.cidoc-crm.org/crm-concepts/E22 "), Man-Made Feature (http://www.cidoc-crm.org/crm-concepts/E25), Collection (http://www.cidoc-crm.org/crm-concepts/E78).
Technical	
<i>Tag-name</i>	category
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	lido; lido
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element classification	
Description	
<i>Title</i>	Classification
<i>General</i>	Concepts used to categorize an object / work by grouping it together with others on the basis of similar characteristics.
<i>How to record</i>	The category belongs to a systematic scheme (classification) which groups objects of similar characteristics according to uniform aspects. This grouping / classification may be done according to material, form, shape, function, region of origin, cultural context, or historical or stylistic period. In addition to this systematic grouping it may also be done according to organizational divisions within a museum (e.g., according to the collection structure of a museum). If the object / work is assigned to multiple classifications, repeat this element.

	Preferably taken from a published controlled vocabulary.
Technical	
<i>Tag-name</i>	classification
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	classificationWrap
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite classification
	museumdat classification
	SPECTRUM Age [attribute: type = 'Age']; Colour [attribute: type = 'Colour']; Form [attribute: type = 'Form']; Object status [attribute: type = 'Object-status']; Phase [attribute: type = 'Phase']; Sex [attribute: type = 'Sex']; Style [attribute: type = 'Style'] (NOTE - data is mapped into the sub-element: term)

Element classificationWrap	
Description	
<i>Title</i>	Classification Wrapper
<i>General</i>	A wrapper for classification information.
Technical	
<i>Tag-name</i>	classificationWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectClassificationWrap
<i>Sub-elements</i>	classification
<i>Equivalents</i>	CDWA Lite classificationWrap
	museumdat classificationWrap
	SPECTRUM [none]

Element conceptID	
Description	
<i>Title</i>	Concept Identifier
<i>General</i>	A unique identifier for the concept.
<i>How to record</i>	Preferably taken from and linking to a published controlled vocabulary.
Technical	
<i>Tag-name</i>	conceptID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	category; classification; culture; eventMethod; eventType; nationalityActor; objectWorkType; periodName; placeClassification; recordType; relatedEventRelType; relatedWorkRelType; resourcePerspective; resourceRelType; resourceType; rightsType; roleActor; roleInEvent; subjectConcept; termMaterialsTech
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite attributes 'termsource' and 'termsourceID' for terms related to controlled vocabulary (e.g. objectWorkType, classification, culture etc.)
	museumdat attributes 'termsource' and 'termsourceID' for terms related to controlled vocabulary (e.g. objectWorkType, classification, culture, eventType etc.)
	SPECTRUM [none]

Element creditLine	
Description	
<i>Title</i>	Creditline
<i>General</i>	Acknowledgement of the rights associated with the physical and/or digital object as requested.
<i>How to record</i>	Repeat this element only for language variants.

Technical	
<i>Tag-name</i>	creditLine
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordRights; rightsResource; rightsWorkSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Credit line [referring to copyright in general]

Element culture	
Description	
<i>Title</i>	Cultural context
<i>General</i>	Name of a culture, cultural context, people, or also a nationality.
<i>How to record</i>	Preferably using a controlled vocabulary.
Technical	
<i>Tag-name</i>	culture
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite culture
	museumdat culture
	SPECTRUM Associated cultural affinity [element: eventType term with appropriate data]; Associated event people [element: eventType term with appropriate data]; Associated people [element: eventType term with appropriate data]; Object

	production people [element: eventType term = 'Creation']. (NOTE - data is mapped into the sub-element: term).
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Element date	
Description	
<i>Title</i>	Date
<i>General</i>	Contains a date specification by providing a set of years as earliest and latest date delimiting the respective span of time. This may be a period or a set of years in the proleptic Gregorian calendar delimiting the span of time. If it is an exact date, possibly with time, repeat the same date (and time) in earliest and latest date.
Technical	
<i>Tag-name</i>	date
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	eventDate; ; subjectDate
<i>Sub-elements</i>	earliestDate; latestDate
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element descriptiveMetadata	
Description	
<i>Title</i>	Descriptive Metadata
<i>General</i>	Holds the descriptive metadata of an object record.
<i>How to record</i>	The attribute xml:lang is mandatory and specifies the language of the descriptive metadata. For fully multi-lingual resources, repeat this element once for each language represented.

	If only a few data fields (e.g. title) are provided in more than one language, the respective text elements may be repeated specifying the lang attribute on the text level.	
Technical		
Tag-name	descriptiveMetadata	
Attributes	xml:lang	
Required?	Yes	
Repeatable?	Yes	
Super-elements	lido	
Sub-elements	objectClassificationWrap; objectIdentificationWrap; eventWrap; objectRelationWrap	
Equivalents	CDWA Lite	descriptiveMetadata
	museumdat	descriptiveMetadata
	SPECTRUM	[none]

Element descriptiveNoteID	
Description	
<i>Title</i>	Description/Descriptive Note Identifier
<i>General</i>	Identifier for an external resource describing the entity.
<i>Notes</i>	The referenced resource may be any kind of document, preferably web-accessible.
Technical	
<i>Tag-name</i>	descriptiveNoteID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventDescriptionSet; inscriptionDescription; objectDescriptionSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]

	museumdat	[none]
	SPECTRUM	[none]

Element descriptiveNoteValue	
Description	
<i>Title</i>	Description/Descriptive Note
<i>General</i>	Usually a relatively brief essay-like text that describes the entity.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	descriptiveNoteValue
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventDescriptionSet; inscriptionDescription; objectDescriptionSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite descriptiveNote
	museumdat descriptiveNote
	SPECTRUM Brief description; Comments; Distinguishing features; Number of objects; Physical description; Association note; Object history note

Element displayActor	
Description	
<i>Title</i>	Display Actor
<i>General</i>	Display element for one actor, corresponding to the following actor element.
<i>How to record</i>	May include name, brief biographical information of the named actor, presented in a syntax suitable for display to the end-user. If there is no known actor, make a reference to the presumed culture or nationality of the unknown actor.

	May be concatenated from the respective Actor element. The name should be in natural order, if possible, although inverted order is acceptable. Include nationality and life dates. For unknown actors, use e.g.: "unknown," "unknown Chinese," "Chinese," or "unknown 15th century Chinese." Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayActor
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subjectActor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Content - organisation [simple string]; Content - person [simple string]

Element displayActorInRole	
Description	
<i>Title</i>	Display Actor in Role
<i>General</i>	Display element for an actor coupled with its specific role, corresponding to the following actor element.
<i>How to record</i>	May include name, brief biographical information, and roles (if necessary) of the named actor, presented in a syntax suitable for display to the end-user and including any necessary indications of uncertainty, ambiguity, and nuance. If there is no known actor, make a reference to the presumed culture or nationality of the unknown actor. May be concatenated from the respective Actor element. The name should be in natural order, if possible, although inverted order is acceptable. Include nationality and life dates. For unknown actors, use e.g.: "unknown," "unknown Chinese," "Chinese," or "unknown 15th century Chinese." Repeat this element only for language variants.

Technical	
<i>Tag-name</i>	displayActorInRole
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventActor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite displayCreator [partly]
	museumdat displayCreator [partly]
	SPECTRUM Object production organisation [single string]; Object production person [single string]; Field collector [single string]; Associated event organisation [single string]; Associated event person [single string]; Associated organisation [single string]; Owner [single string]; Venue

Element displayDate	
Description	
<i>Title</i>	Display Date
<i>General</i>	Display element for a date specification, corresponding to the following date element.
<i>How to record</i>	It is a concise description of the date, presented in a syntax suitable for display to the end-user and including any necessary indications of uncertainty, ambiguity, and nuance. Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayDate
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventDate; ; subjectDate
<i>Sub-elements</i>	-

<i>Equivalents</i>	CDWA Lite displayCreationDate [partly]
	museumdat displayCreationDate [partly]
	SPECTRUM Object production date [single string]; Field collection date [single string]; Field collection place [single string]; Content - date [simple string]; Associated date [single string]; Associated event date [single string]; Ownership dates [single string]; Acquisition date [single string]

Element displayEdition	
Description	
<i>Title</i>	Display Edition
<i>General</i>	A description of the edition of the object / work. Used primarily for prints and other multiples.
<i>How to record</i>	Formulated according to rules. For Edition, include impression number, edition size, and edition number, or edition name, as appropriate. Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayEdition
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	displayStateEditionWrap
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite displayEdition
	museumdat displayEdition
	SPECTRUM Copy number; Edition number; Catalogue number

Element displayEvent	
Description	
<i>Title</i>	Display Event

<i>General</i>	Display element for an event, corresponding to the following event element.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayEvent
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventSet; relatedEvent; subjectEvent
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat displayEvent [partly]
	SPECTRUM [none]

Element displayMaterialsTech	
Description	
<i>Title</i>	Display Materials Technique
<i>General</i>	Display element for materials/technique, corresponding to the following materialsTech element.
<i>How to record</i>	It is presented in a syntax suitable for display to the end-user and including any necessary indications of uncertainty, ambiguity, and nuance. Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayMaterialsTech
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventMaterialsTech
<i>Sub-elements</i>	-

<i>Equivalents</i>	CDWA Lite	displayMaterialsTech [partly]
	museumdat	displayMaterialsTech [partly]
	SPECTRUM	[none]

Element displayObject	
Description	
<i>Title</i>	Display Object
<i>General</i>	A free-text description of the object, corresponding to the following object element
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayObject
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	relatedWork; subjectObject; thingPresent
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Associated object

Element displayObjectMeasurements	
Description	
<i>Title</i>	Display Object Measurement
<i>General</i>	Display element for one object measurement, corresponding to the following objectMeasurement element.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayObjectMeasurements

<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurementsSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite displayMeasurements [partly]
	museumdat displayMeasurements [partly]
	SPECTRUM [single string for dimensions]

Element displayPlace	
Description	
<i>Title</i>	Display Place
<i>General</i>	Display element for a place specification, corresponding to the following place element.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayPlace
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventPlace; subjectPlace
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat Correponds partly to displayLocation.
	SPECTRUM Object production place [single string]; Content - place [simple string]; Associated event place [single string]; Associated place [single string]; Ownership place [single string]

Element displayState
Description

<i>Title</i>	Display State
<i>General</i>	A description of the state of the object / work. Used primarily for prints and other multiples
<i>How to record</i>	Formulated according to rules. For State, include state identification and known states, as appropriate. Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displayState
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	displayStateEditionWrap
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite displayState
	museumdat displayState
	SPECTRUM [none]

Element displayStateEditionWrap	
Description	
<i>Title</i>	Display State/Edition Wrapper
<i>General</i>	A wrapper for the state and edition of the object / work.
Technical	
<i>Tag-name</i>	displayStateEditionWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectIdentificationWrap
<i>Sub-elements</i>	displayState; displayEdition; sourceStateEdition
<i>Equivalents</i>	CDWA Lite displayStateEditionWrap
	museumdat displayStateEditionWrap

	SPECTRUM [none]
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Element displaySubject	
Description	
<i>Title</i>	Display Subject
<i>General</i>	A free-text description of the subject matter represented by/in the object / work, corresponding to the following subject element
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	displaySubject
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subjectSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Content - description; Content - note; Content note; Content - other

Element earliestDate	
Description	
<i>Title</i>	Earliest Date
<i>General</i>	A year or exact date that broadly delimits the beginning of an implied date span.
<i>How to record</i>	General format: YYYY[-MM[-DD]] Format is according to ISO 8601. This may include date and time specification.
Technical	
<i>Tag-name</i>	earliestDate

<i>Attributes</i>	type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	date; rightsDate; vitalDatesActor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite earliestDate
	museumdat earliestDate
	SPECTRUM Object production date [earliest date]; Field collection date [earliest date]; Content - date [earliest]; Associated date [earliest]; Associated event date [earliest]; Ownership dates [earliest date]; Right begin date; Exhibition begin date; Date - earliest/single; Acquisition date [earliest]

Element event	
Description	
<i>Title</i>	Event
<i>General</i>	Identifying, descriptive and indexing information for the events in which the object participated or was present at, e.g. creation, excavation, collection, and use.
<i>Notes</i>	All information related to the creation of an object: creator, cutlural context, creation date, creation place, the material and techniques used are recorded here, qualified by the event type "creation".
Technical	
<i>Tag-name</i>	event
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	eventSet; relatedEvent; subjectEvent
<i>Sub-elements</i>	eventID; eventType; roleInEvent; eventName; eventActor; culture; eventDate; periodName; eventPlace; eventMethod; eventMaterialsTech; thingPresent; relatedEventSet; eventDescriptionSet
<i>Equivalents</i>	CDWA Lite [none]

	museumdat	indexingEventSet [subset of]
	SPECTRUM	[none]

Element eventActor		
Description		
<i>Title</i>	Event Actor	
<i>General</i>	Wrapper for display and index elements for an actor with role information (participating or being present in the event).	
<i>How to record</i>	For multiple actors repeat the element.	
Technical		
<i>Tag-name</i>	eventActor	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	event	
<i>Sub-elements</i>	displayActorInRole; actorInRole	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat displayActor)	Corresponds to indexingActorSet (without
	SPECTRUM	[none]

Element eventDate	
Description	
<i>Title</i>	Event Date
<i>General</i>	Date specification of the event.
Technical	
<i>Tag-name</i>	eventDate
<i>Attributes</i>	-
<i>Required?</i>	No

<i>Repeatable?</i>	No
<i>Super-elements</i>	event
<i>Sub-elements</i>	displayDate; date
<i>Equivalents</i>	CDWA Lite [none]
	museumdat Corresponds to indexingDates (without displayDate)
	SPECTRUM [none]

Element eventDescriptionSet	
Description	
<i>Title</i>	Event Description
<i>General</i>	Wrapper for a description of the event, including description identifier, descriptive note of the event and its sources.
<i>How to record</i>	If there is more than one descriptive note, repeat this element.
Technical	
<i>Tag-name</i>	eventDescriptionSet
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element eventID	
Description	
<i>Title</i>	Event Identifier
<i>General</i>	A unique identifier for the event.

<i>How to record</i>	Preferably taken from and linking to a published resource describing the event.
Technical	
<i>Tag-name</i>	eventID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Field collection event reference number; Exhibition reference number

Element eventMaterialsTech	
Description	
<i>Title</i>	Event Materials/Technique
<i>General</i>	Indicates the substances or materials used within the event (e.g. the creation of an object / work), as well as any implements, production or manufacturing techniques, processes, or methods incorporated.
<i>How to record</i>	Will be used most often within a production event, but also others such as excavation, restoration, etc.
Technical	
<i>Tag-name</i>	eventMaterialsTech
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	displayMaterialsTech; materialsTech
<i>Equivalents</i>	CDWA Lite [none]

	museumdat [none]
	SPECTRUM [none]

Element eventMethod	
Description	
<i>Title</i>	Event Method
<i>General</i>	The method by which the event is carried out.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.
<i>Notes</i>	Used e.g. for SPECTRUM Units of Information "field collection method", "acquisition method".
Technical	
<i>Tag-name</i>	eventMethod
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Acquisition [element: eventType term = 'Acquisition']; Field collection method [element: eventType term = 'Field collection']. (NOTE - data is mapped into the sub-element: term).

Element eventName	
Description	
<i>Title</i>	Event Name
<i>General</i>	An appellation for the event, e.g. a title, identifying phrase, or name given to it.
Technical	

<i>Tag-name</i>	eventName
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	appellationValue; sourceAppellation
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Associated event name; Content - event name; Exhibition title; Field collection event name. (NOTE - data is mapped into the sub-element: appellationValue).

Element eventPlace	
Description	
<i>Title</i>	Event Place
<i>General</i>	Place specification of the event.
Technical	
<i>Tag-name</i>	eventPlace
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	displayPlace; place
<i>Equivalents</i>	CDWA Lite [none]
	museumdat Corresponds to indexingLocationSet (without displayPlace)
	SPECTRUM [none]

Element eventSet
Description

<i>Title</i>	Event Set
<i>General</i>	Wrapper for the display and index elements for events (e.g. creation, find, and use), in which the object participated.
<i>How to record</i>	For multiple events repeat the element.
Technical	
<i>Tag-name</i>	eventSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventWrap
<i>Sub-elements</i>	displayEvent; event
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element eventType	
Description	
<i>Title</i>	Event Type
<i>General</i>	The nature of the event associated with an object / work.
<i>How to record</i>	Controlled. Recommended: Defined list of subclasses of CRM entity E5 Event. Basic event types as recorded in sub-element term include: Acquisition, Collecting, Commissioning, Creation, Designing, Destruction, Event (non-specified), Excavation, Exhibition, Finding, Loss, Modification, Move, Part addition, Part removal, Performance, Planning, Production, Provenance, Publication, Restoration, Transformation, Type assignment, Type creation, Use.
Technical	
<i>Tag-name</i>	eventType
<i>Attributes</i>	-

<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	event
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite Corresponds to qualifier elements: dateQualifier, indexingLocationSet@type
	museumdat eventType (NOTE - data is mapped into the sub-element: term)
	SPECTRUM [SPECTRUM event type term, e.g 'Acquisition']. (NOTE - data is mapped into the sub-element: term).

Element eventWrap	
Description	
<i>Title</i>	Event Wrapper
<i>General</i>	Wrapper for event sets.
Technical	
<i>Tag-name</i>	eventWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	descriptiveMetadata; descriptiveMetadata
<i>Sub-elements</i>	eventSet
<i>Equivalents</i>	CDWA Lite [none]
	museumdat indexingEventWrap
	SPECTRUM [none]

Element extentActor	
Description	
<i>Title</i>	Actor: Extent of participation

<i>General</i>	Extent of the actor's participation in the event, if there are several actors.
<i>How to record</i>	Example values: design, execution, with additions by, figures, renovation by, predella, embroidery, cast by, printed by, ...
Technical	
<i>Tag-name</i>	extentActor
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actorInRole
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite extentCreator
	museumdat extentActor
	SPECTRUM [none]

Element extentMaterialsTech	
Description	
<i>Title</i>	Extent Materials Techniques
<i>General</i>	An explanation of the part of the object / work to which the corresponding materials or technique are applicable; included when necessary for clarity.
Technical	
<i>Tag-name</i>	extentMaterialsTech
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	materialsTech
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite extentMaterialsTech
	museumdat extentMaterialsTech

	SPECTRUM [none]
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Element extentMeasurements	
Description	
<i>Title</i>	Extent Measurements
<i>General</i>	An explanation of the part of the object / work being measured included, when necessary, for clarity.
<i>How to record</i>	Example values: overall, components, sheet, plate mark, chain lines, pattern repeat, lid, base, laid lines, folios, leaves, columns per page, lines per page, tessera, footprint, panel, interior, mat, window of mat, secondary support, frame, and mount
Technical	
<i>Tag-name</i>	extentMeasurements
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurements
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite extentMeasurements
	museumdat extentMeasurements
	SPECTRUM Dimension measured part

Element extentSubject	
Description	
<i>Title</i>	Extent Subject
<i>General</i>	When there are multiple subjects, a term indicating the part of the object / work to which these subject terms apply.
<i>How to record</i>	Example values: recto, verso, side A, side B, main panel, and predella. Repeat this element only for language variants.
Technical	

<i>Tag-name</i>	extentSubject
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subject
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite extentSubject
	museumdat extentSubject
	SPECTRUM Content - position

Element formatMeasurements	
Description	
<i>Title</i>	Format Measurements
<i>General</i>	The configuration of an object / work, including technical formats. Used as necessary.
<i>How to record</i>	Example values: Vignette, VHS, IMAX, and DOS
Technical	
<i>Tag-name</i>	formatMeasurements
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurements
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite formatMeasurements
	museumdat formatMeasurements
	SPECTRUM [none]

Element genderActor
Description

<i>Title</i>	Gender Actor
<i>General</i>	The sex of the individual.
<i>How to record</i>	Data values: male, female, unknown, not applicable. Repeat this element for language variants only.
<i>Notes</i>	Not applicable for corporate bodies.
Technical	
<i>Tag-name</i>	genderActor
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actor; actor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite genderCreator
	museumdat genderActor
	SPECTRUM Person's gender

Element gml	
Description	
<i>Title</i>	GML
<i>General</i>	Georeferences of the place using the GML specification.
<i>How to record</i>	Repeat this element only for language variants.
<i>Notes</i>	For further documentation on GML refer to http://www.opengis.net/gml/ .
Technical	
<i>Tag-name</i>	gml
<i>Attributes</i>	xml:lang
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	partOfPlace; place; repositoryLocation

<i>Sub-elements</i>	gml:Point; gml:LineString; gml:Polygon	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element inscriptionDescription		
Description		
<i>Title</i>	Inscription Description	
<i>General</i>	Wrapper for a description of the inscription, including description identifier, descriptive note of the inscription and sources.	
Technical		
<i>Tag-name</i>	inscriptionDescription	
<i>Attributes</i>	type; sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	inscriptions	
<i>Sub-elements</i>	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote	
<i>Equivalents</i>	CDWA Lite	inscriptions [restricted to description]
	museumdat	inscriptions [restricted to description]
	SPECTRUM	Inscription description

Element inscriptions		
Description		
<i>Title</i>	Inscriptions	
<i>General</i>	A transcription or description of any distinguishing or identifying physical lettering, annotations, texts, markings, or labels that are affixed, applied, stamped, written, inscribed, or attached to the object / work, excluding any mark or text inherent in the materials of which it is made.	
<i>Notes</i>	Record watermarks in Display Materials/Techniques.	

Technical	
<i>Tag-name</i>	inscriptions
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	inscriptionsWrap
<i>Sub-elements</i>	inscriptionTranscription; inscriptionDescription
<i>Equivalents</i>	CDWA Lite inscriptions [refined into sub-elements]
	museumdat inscriptions [refined into sub-elements]
	SPECTRUM Inscription content; Inscription description

Element inscriptionsWrap	
Description	
<i>Title</i>	Inscriptions and other Marks Wrapper
<i>General</i>	A wrapper for information about inscriptions and other marks.
Technical	
<i>Tag-name</i>	inscriptionsWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectIdentificationWrap
<i>Sub-elements</i>	inscriptions
<i>Equivalents</i>	CDWA Lite inscriptionsWrap
	museumdat inscriptionsWrap
	SPECTRUM [none]

Element inscriptionTranscription	
Description	

<i>Title</i>	Inscription Transcription
<i>General</i>	Transcription of the inscription.
<i>How to record</i>	Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	inscriptionTranscription
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	inscriptions
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite inscriptions [restricted to transcription]
	museumdat inscriptions [restricted to transcription]
	SPECTRUM Inscription content

Element latestDate	
Description	
<i>Title</i>	Latest Date
<i>General</i>	A year or exact date that broadly delimits the end of an implied date span.
<i>How to record</i>	General format: YYYY[-MM[-DD]] Format is according to ISO 8601. This may include date and time specification.
Technical	
<i>Tag-name</i>	latestDate
<i>Attributes</i>	type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	date; rightsDate; vitalDatesActor
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite latestDate

	museumdat latestDate
	SPECTRUM Object production date [latest date]; Field collection date [latest date]; Content - date [latest]; Associated date [latest]; Associated event date [latest]; Ownership dates [latest date]; Right end date; Exhibition end date; Date - latest; Acquisition date [latest]

Element legalBodyID	
Description	
<i>Title</i>	Legal Body ID
<i>General</i>	Unambiguous identification of the institution or person referred to as legal body.
Technical	
<i>Tag-name</i>	legalBodyID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordSource; repositoryName; resourceSource; rightsHolder
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite
	museumdat Attributes termsource and termsourceID for legal body references, e.g. repositoryName
	SPECTRUM [none]

Element legalBodyName	
Description	
<i>Title</i>	Legal Body Name
<i>General</i>	Appellation of the institution or person.
Technical	
<i>Tag-name</i>	legalBodyName

<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordSource; repositoryName; resourceSource; rightsHolder
<i>Sub-elements</i>	appellationValue; sourceAppellation
<i>Equivalents</i>	CDWA Lite [none]
	museumdat E.g. recordSource, repositoryName
	SPECTRUM Right holder. (NOTE - data is mapped into the sub-element: appellationValue).

Element legalBodyWeblink	
Description	
<i>Title</i>	Legal Body Weblink
<i>General</i>	Weblink of the institution or person referred to as legal body.
Technical	
<i>Tag-name</i>	legalBodyWeblink
<i>Attributes</i>	pref; formatResource; xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordSource; repositoryName; resourceSource; rightsHolder
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element lido	
Description	
<i>Title</i>	Wrapper for an object record
Technical	

<i>Tag-name</i>	lido
<i>Attributes</i>	sortorder
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	lidoWrap
<i>Sub-elements</i>	lidoRecID; objectPublishedID; category; descriptiveMetadata; administrativeMetadata
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element lidoRecID	
Description	
<i>Title</i>	LIDO Metadata Record-ID
<i>General</i>	A unique lido record identification preferably composed of an identifier for the contributor and a record identification in the contributor's (local) system.
Technical	
<i>Tag-name</i>	lidoRecID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	lido; lido
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element lidoWrap
Description

<i>Title</i>	Wrapper for the whole document	
<i>General</i>	Holds one or multiple object records.	
Technical		
<i>Tag-name</i>	lidoWrap	
<i>Attributes</i>	relatedencoding	
<i>Required?</i>	Yes	
<i>Repeatable?</i>	No	
<i>Super-elements</i>	-	
<i>Sub-elements</i>	lido	
<i>Equivalents</i>	CDWA Lite	cdwaliteWrap
	museumdat	museumdatWrap
	SPECTRUM	[none]

Element linkResource		
Description		
<i>Title</i>	Link Resource	
<i>General</i>	A url reference in the worldwide web environment.	
Technical		
<i>Tag-name</i>	linkResource	
<i>Attributes</i>	codecResource	
<i>Required?</i>	Yes	
<i>Repeatable?</i>	No	
<i>Super-elements</i>	resourceRepresentation	
<i>Sub-elements</i>	-	
<i>Equivalents</i>	CDWA Lite	linkResource
	museumdat	linkResource
	SPECTRUM	[none]

Element materialsTech

Description	
<i>Title</i>	Materials Technique
<i>General</i>	Materials and techniques data used for indexing.
Technical	
<i>Tag-name</i>	materialsTech
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	eventMaterialsTech
<i>Sub-elements</i>	termMaterialsTech; extentMaterialsTech; sourceMaterialsTech
<i>Equivalents</i>	CDWA Lite indexingMaterialsTechSet
	museumdat indexingMaterialsTechSet
	SPECTRUM [none]

Element measurementsSet	
Description	
<i>Title</i>	Measurements Set
<i>General</i>	The dimensions or other measurements for one aspect of an object / work (e.g., width).
<i>How to record</i>	May be combined with extent, qualifier, and other sub-elements as necessary. The subelements "measurementUnit", "measurementValue" and "measurementType" are mandatory.
Technical	
<i>Tag-name</i>	measurementsSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurements

<i>Sub-elements</i>	measurementType; measurementUnit; measurementValue
<i>Equivalents</i>	CDWA Lite measurementsSet
	museumdat measurementsSet
	SPECTRUM [none]

Element measurementType	
Description	
<i>Title</i>	Measurement Type
<i>General</i>	Indicates what kind of measurement is taken.
<i>How to record</i>	Data values for type: height, width, depth, length, diameter, circumference, stories, count, area, volume, running time, size. Repeat this element only for language variants.
Technical	
<i>Tag-name</i>	measurementType
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	measurementsSet; resourceMeasurementsSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite measurementsSet@type
	museumdat measurementsSet@type
	SPECTRUM Dimension; Technical attribute

Element measurementUnit	
Description	
<i>Title</i>	Measurement Unit
<i>General</i>	The unit of the measurement.
<i>How to record</i>	E.g. cm, mm, m, g, kg, kb, Mb or Gb. Repeat this element only for language variants.

Technical	
<i>Tag-name</i>	measurementUnit
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	measurementsSet; resourceMeasurementsSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite measurementsSet@unit
	museumdat measurementsSet@unit
	SPECTRUM Dimension measurement unit

Element measurementValue	
Description	
<i>Title</i>	Measurement Value
<i>General</i>	The value of the measurement.
<i>How to record</i>	Whole numbers or decimal fractions.
Technical	
<i>Tag-name</i>	measurementValue
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	measurementsSet; resourceMeasurementsSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite measurementsSet@value
	museumdat measurementsSet@value
	SPECTRUM Dimension value

Element nameActorSet

Description	
<i>Title</i>	Name Actor Set
<i>General</i>	A wrapper for name elements.
<i>How to record</i>	if there exists more than one name for a single actor, repeat Name Actor Set.
<i>Notes</i>	Indicates names, appellations, or other identifiers assigned to an individual, group of people, firm or other corporate body, or other entity.
Technical	
<i>Tag-name</i>	nameActorSet
<i>Attributes</i>	-
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actor; actor
<i>Sub-elements</i>	appellationValue; sourceAppellation
<i>Equivalents</i>	CDWA Lite nameCreatorSet
	museumdat nameActorSet
	SPECTRUM Organisation's additions to name [attribute: type = 'Additions-to-name']; Person's additions to name [attribute: type = 'Additions-to-name']; Person's forenames [attribute: type = 'Forenames']; Person's surname [attribute: type = 'Surname']; Person's title [attribute: type = 'Title']. (NOTE - data is mapped into the sub-element: appellationValue).

Element namePlaceSet	
Description	
<i>Title</i>	Place Name Set
<i>General</i>	The name of the geographic place.
<i>How to record</i>	If there are different names of the same place, e.g. today's and historical names, repeat this element.
Technical	

<i>Tag-name</i>	namePlaceSet
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	partOfPlace; place; repositoryLocation
<i>Sub-elements</i>	appellationValue; sourceAppellation
<i>Equivalents</i>	CDWA Lite locationName [partly]
	museumdat nameLocationSet
	SPECTRUM Associated event place; Associated place; Content - place; Object production place; Ownership place; Place name [attribute: type = '[data from Place name type Unit]']. (NOTE - data is mapped into the sub-element: appellationValue).

Element nationalityActor	
Description	
<i>Title</i>	Nationality Actor
<i>General</i>	National or cultural affiliation of the person or corporate body.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.
Technical	
<i>Tag-name</i>	nationalityActor
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actor; actor
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite nationalityCreator
	museumdat nationalityActor
	SPECTRUM Organisation's foundation place; Person's group [attribute: label = 'Cultural-group']; Person's nationality. (NOTE - data is mapped into the sub-element: term).

Element object	
Description	
<i>Title</i>	Object
<i>General</i>	Contains identifying information and links to another object.
Technical	
<i>Tag-name</i>	object
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	relatedWork; subjectObject; thingPresent
<i>Sub-elements</i>	objectWebResource; objectID; objectNote
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element objectClassificationWrap	
Description	
<i>Title</i>	Object Classification Wrapper
<i>General</i>	Wrapper for data classifying the object / work. Includes all classifying information about an object / work, such as: object / work type, style, genre, form, age, sex, and phase, or by how holding organization structures its collection (e.g. fine art, decorative art, prints and drawings, natural science, numismatics, or local history).
Technical	
<i>Tag-name</i>	objectClassificationWrap
<i>Attributes</i>	-
<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	descriptiveMetadata; descriptiveMetadata

<i>Sub-elements</i>	objectWorkTypeWrap; classificationWrap
<i>Equivalents</i>	CDWA Lite [none]
	museumdat objectClassificationWrap
	SPECTRUM [none]

Element objectDescriptionSet	
Description	
<i>Title</i>	Description/Descriptive Note Set
<i>General</i>	Wrapper for a description of the object, including description identifier, descriptive note and sources.
<i>How to record</i>	Includes usually a relatively brief essay-like text that describes the content and context of the object / work, including comments and an interpretation that may supplement, qualify, or explain the physical characteristics, subject, circumstances of creation or discovery, or other information about it. If there is more than one descriptive note, repeat this element.
<i>Notes</i>	A reference to a text resource holding the description may be given in description identifier.
Technical	
<i>Tag-name</i>	objectDescriptionSet
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectDescriptionWrap
<i>Sub-elements</i>	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote
<i>Equivalents</i>	CDWA Lite descriptiveNoteSet
	museumdat descriptiveNoteSet
	SPECTRUM [none]

Element objectDescriptionWrap
Description

<i>Title</i>	Object Description/Descriptive Note Wrapper
<i>General</i>	A wrapper for Description/Descriptive Note information.
Technical	
<i>Tag-name</i>	objectDescriptionWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectIdentificationWrap
<i>Sub-elements</i>	objectDescriptionSet
<i>Equivalents</i>	CDWA Lite descriptiveNoteWrap
	museumdat descriptiveNoteWrap
	SPECTRUM [none]

Element objectID	
Description	
<i>Title</i>	Object Identifier
<i>General</i>	Unique identifier of the referenced object / work.
Technical	
<i>Tag-name</i>	objectID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	object
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite locRelatedWork@relWorkID
	museumdat locRelatedWork@relWorkID
	SPECTRUM Related object number

Element objectIdentificationWrap

Description	
<i>Title</i>	Object Identification Wrapper
<i>General</i>	A Wrapper for information that identifies the object.
Technical	
<i>Tag-name</i>	objectIdentificationWrap
<i>Attributes</i>	-
<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	descriptiveMetadata; descriptiveMetadata
<i>Sub-elements</i>	titleWrap; inscriptionsWrap; repositoryWrap; displayStateEditionWrap; objectDescriptionWrap; objectMeasurementsWrap
<i>Equivalents</i>	CDWA Lite [none]
	museumdat identificationWrap
	SPECTRUM [none]

Element objectMeasurements	
Description	
<i>Title</i>	Object Measurement
<i>General</i>	Structured measurement information about the dimensions, size, or scale of the object / work.
<i>Notes</i>	It may also include the parts of a complex object / work, series, or collection.
Technical	
<i>Tag-name</i>	objectMeasurements
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectMeasurementsSet

<i>Sub-elements</i>	measurementsSet; extentMeasurements; qualifierMeasurements; formatMeasurements; shapeMeasurements; scaleMeasurements
<i>Equivalents</i>	CDWA Lite indexingMeasurementsSet
	museumdat indexingMeasurementsSet
	SPECTRUM [none]

Element objectMeasurementsSet	
Description	
<i>Title</i>	Object Measurements Set
<i>General</i>	Wrapper for display and index elements for object / work measurements.
<i>How to record</i>	If multiple parts of the object / work are measured repeat this element.
Technical	
<i>Tag-name</i>	objectMeasurementsSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurementsWrap
<i>Sub-elements</i>	displayObjectMeasurements; objectMeasurements
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element objectMeasurementsWrap	
Description	
<i>Title</i>	Object Measurements Wrapper
<i>General</i>	A wrapper for the Measurements.
Technical	

<i>Tag-name</i>	objectMeasurementsWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectIdentificationWrap
<i>Sub-elements</i>	objectMeasurementsSet
<i>Equivalents</i>	CDWA Lite indexingMeasurementsWrap
	museumdat indexingMeasurementsWrap
	SPECTRUM [none]

Element objectNote	
Description	
<i>Title</i>	Object Note
<i>General</i>	A descriptive identification of the object / work that will be meaningful to end-users, including some or all of the following information, as necessary for clarity and if known: title, object/work type, important actor, date and/or place information, potentially location of the object / work.
<i>How to record</i>	The information should ideally be generated from fields/elements in the related record.
Technical	
<i>Tag-name</i>	objectNote
<i>Attributes</i>	type
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	object
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite labelRelatedWork
	museumdat labelRelatedWork
	SPECTRUM Content - object

Element objectPublishedID	
Description	
<i>Title</i>	Published Object Identifier
<i>General</i>	A unique, published identification of the described object / work.
<i>How to record</i>	May link to authority files maintained outside of the contributor's documentation system or may be an identifier for the object published by its repository, e.g. composed of an identifier for the repository and an inventory number of the object. Preferably a dereferenceable URL.
Technical	
<i>Tag-name</i>	objectPublishedID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	lido; lido
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element objectRelationWrap	
Description	
<i>Title</i>	Object Relation Wrapper
<i>General</i>	Wrapper for information about related topics and works, collections, etc.
<i>Notes</i>	This includes visual contents and all associated entities the object is about.
Technical	
<i>Tag-name</i>	objectRelationWrap
<i>Attributes</i>	-

<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	descriptiveMetadata; descriptiveMetadata
<i>Sub-elements</i>	subjectWrap; relatedWorksWrap
<i>Equivalents</i>	CDWA Lite [none]
	museumdat relationWrap
	SPECTRUM [none]

Element objectWebResource

Description

<i>Title</i>	Object: Webresource
<i>General</i>	A URL-Reference to a description of the object / work in the worldwide web environment.

Technical

<i>Tag-name</i>	objectWebResource
<i>Attributes</i>	pref; formatResource; xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	object
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite linkRelatedWork
	museumdat linkRelatedWork
	SPECTRUM [none]

Element objectWorkType

Description

<i>Title</i>	Object/Work Type
<i>General</i>	The specific kind of object / work being described.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.

	For a collection, include repeating instances for identifying all of or the most important items in the collection.
Technical	
<i>Tag-name</i>	objectWorkType
<i>Attributes</i>	type; sortorder
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectWorkTypeWrap
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite objectWorkType
	museumdat objectWorkType
	SPECTRUM Object name. (NOTE - data is mapped into the sub-element: term).

Element objectWorkTypeWrap	
Description	
<i>Title</i>	Object/Work Type Wrapper
<i>General</i>	A wrapper for Object/Work Types.
Technical	
<i>Tag-name</i>	objectWorkTypeWrap
<i>Attributes</i>	-
<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectClassificationWrap
<i>Sub-elements</i>	objectWorkType
<i>Equivalents</i>	CDWA Lite objectWorkTypeWrap
	museumdat objectWorkTypeWrap
	SPECTRUM [none]

Element partOfPlace

Description	
<i>Title</i>	Part of Geographical Entity
<i>General</i>	Allows for indexing larger geographical entities.
Technical	
<i>Tag-name</i>	partOfPlace
<i>Attributes</i>	politicalEntity; geographicalEntity
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	partOfPlace; place; repositoryLocation
<i>Sub-elements</i>	placeID; namePlaceSet; gml; partOfPlace; placeClassification
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element periodName	
Description	
<i>Title</i>	Period
<i>General</i>	A period in which the event happened.
<i>How to record</i>	Preferably taken from a published controlled vocabulary. Repeat this element only for indicating an earliest and latest period delimiting the event.
<i>Notes</i>	Period concepts have delimiting character in time and space.
Technical	
<i>Tag-name</i>	periodName
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	conceptID; term

<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Associated date [period] [element: eventType term has appropriate data]; Associated event date [period] [element: eventType term has appropriate data]; Content - date [period]; Date - period [element: eventType term has appropriate data]; ; Field collection date [Date - period] [element: eventType term = 'Field collection']; Object production date [period] [element: eventType term = 'Creation']; Ownership dates [period] [element: eventType term = 'Ownership']. (NOTE - data is mapped into the sub-element: term).

Element place	
Description	
<i>Title</i>	Place
<i>General</i>	Contains structured identifying and indexing information for a geographical entity.
Technical	
<i>Tag-name</i>	place
<i>Attributes</i>	politicalEntity; geographicalEntity
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	eventPlace; subjectPlace
<i>Sub-elements</i>	placeID; namePlaceSet; gml; partOfPlace; placeClassification
<i>Equivalents</i>	CDWA Lite locationSet [partly]
	museumdat indexingLocationWrap
	SPECTRUM [none]

Element placeClassification	
Description	
<i>Title</i>	Place Classification

<i>General</i>	A classification of the place, e.g. by geological complex, stratigraphic unit or habitat type.
Technical	
<i>Tag-name</i>	placeClassification
<i>Attributes</i>	type
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	partOfPlace; place; repositoryLocation
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Geological complex name [attribute: type = 'Geological-complex']; Habitat [attribute: type = 'Habitat']; Stratigraphic unit name [attribute: type = 'Stratigraphic-unit'] (NOTE - data is mapped into the sub-element: term)

Element placeID	
Description	
<i>Title</i>	Place Identifier
<i>General</i>	A unique identifier for the place.
<i>How to record</i>	Preferably taken from a published authority file.
Technical	
<i>Tag-name</i>	placeID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	partOfPlace; place; repositoryLocation
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]

	museumdat termsource and termsourceID attributes for nameLocation
	SPECTRUM Place reference number

Element qualifierMeasurements	
Description	
<i>Title</i>	Qualifier Measurements
<i>General</i>	A word or phrase that elaborates on the nature of the measurements of the object / work when necessary, e.g. when the measurements are approximate.
<i>How to record</i>	Example values: approximate, sight, maximum, larges, smallest, average, variable, assembled, before restoration, before restoration, at corners, rounded, framed, and with base.
Technical	
<i>Tag-name</i>	qualifierMeasurements
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurements
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite qualifierMeasurements
	museumdat qualifierMeasurements
	SPECTRUM Dimension value qualifier

Element recordID	
Description	
<i>Title</i>	Record ID
<i>General</i>	A unique record identification in the contributor's (local) system.
Technical	
<i>Tag-name</i>	recordID

<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordWrap
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite recordID
	museumdat recordID
	SPECTRUM [none]

Element recordInfoID

Description

<i>Title</i>	Record Info ID
<i>General</i>	Unique ID of the metadata.
<i>How to record</i>	Record Info ID has the same definition as Record ID but out of the context of original local system, such as a persistent identifier or an oai identifier (e.g., oai1:getty.edu:paintings/00001234 attribute type= oai).

Technical

<i>Tag-name</i>	recordInfoID
<i>Attributes</i>	pref; type; source; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordInfoSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite recordInfoID
	museumdat recordInfoID
	SPECTRUM [none]

Element recordInfoLink

Description

<i>Title</i>	Record Info Link
<i>General</i>	Link of the metadata, e.g., to the object data sheet (not the same as link of the object).
Technical	
<i>Tag-name</i>	recordInfoLink
<i>Attributes</i>	pref; formatResource; xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordInfoSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite recordInfoLink
	museumdat recordInfoLink
	SPECTRUM [none]

Element recordInfoSet	
Description	
<i>Title</i>	Record Metadata Information Set
<i>General</i>	Wrapper for metadata information about this record.
Technical	
<i>Tag-name</i>	recordInfoSet
<i>Attributes</i>	type
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordWrap
<i>Sub-elements</i>	recordInfoID; recordInfoLink; recordMetadataDate
<i>Equivalents</i>	CDWA Lite recordInfoWrap
	museumdat recordInfoSet
	SPECTRUM [none]

Element recordMetadataDate	
Description	
<i>Title</i>	Record Metadata Date
<i>General</i>	Creation date or date modified of the metadata record. Format will vary depending upon implementation.
Technical	
<i>Tag-name</i>	recordMetadataDate
<i>Attributes</i>	type; source
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordInfoSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite recordMetadataDate
	museumdat recordMetadataDate
	SPECTRUM [none]

Element recordRights	
Description	
<i>Title</i>	Rights for Record
<i>General</i>	Information about rights regarding the content provided in this LIDO record.
Technical	
<i>Tag-name</i>	recordRights
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordWrap
<i>Sub-elements</i>	rightsType; rightsDate; rightsHolder; creditLine
<i>Equivalents</i>	CDWA Lite recordRights [partly]

	museumdat	recordRights [partly]
	SPECTRUM	[none]

Element recordSource		
Description		
<i>Title</i>	Record Source	
<i>General</i>	The source of information in this record, generally the repository or other institution.	
Technical		
<i>Tag-name</i>	recordSource	
<i>Attributes</i>	type; sortorder	
<i>Required?</i>	Yes	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	recordWrap	
<i>Sub-elements</i>	legalBodyID; legalBodyName; legalBodyWeblink	
<i>Equivalents</i>	CDWA Lite	recordSource
	museumdat	recordSource
	SPECTRUM	[none]

Element recordType	
Description	
<i>Title</i>	Record Type
<i>General</i>	Term establishing whether the record represents an individual item or a collection, series, or group of works.
<i>How to record</i>	Mandatory. Example values: item, collection, series, group, volume, fonds. Preferably taken from a published controlled value list.
Technical	
<i>Tag-name</i>	recordType
<i>Attributes</i>	-

<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	recordWrap
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite recordType
	museumdat recordType
	SPECTRUM [none]

Element recordWrap	
Description	
<i>Title</i>	Record Wrapper
<i>General</i>	A wrapper for information about the record that contains the cataloguing information.
<i>Notes</i>	Note that this section does not refer to any object or resource information, but only to the source record.
Technical	
<i>Tag-name</i>	recordWrap
<i>Attributes</i>	-
<i>Required?</i>	Yes
<i>Repeatable?</i>	No
<i>Super-elements</i>	administrativeMetadata; administrativeMetadata
<i>Sub-elements</i>	recordID; recordType; recordSource; recordRights; recordInfoSet
<i>Equivalents</i>	CDWA Lite recordWrap
	museumdat recordWrap
	SPECTRUM [none]

Element relatedEvent	
Description	
<i>Title</i>	Related Event

<i>General</i>	Display and index elements for the event related to the event being recorded.
Technical	
<i>Tag-name</i>	relatedEvent
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	relatedEventSet
<i>Sub-elements</i>	displayEvent; event
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element relatedEventRelType	
Description	
<i>Title</i>	Related Event Relationship Type
<i>General</i>	A term describing the nature of the relationship between the described event and the related event.
<i>How to record</i>	Example values: part of, influence of, related to. Indicate a term characterizing the relationship from the perspective of the currently described event towards the related event. Preferably taken from a published controlled vocabulary.
<i>Notes</i>	For implementation of the data, note that relationships are conceptually reciprocal, but the Relationship Type is often different on either side of the relationship.
Technical	
<i>Tag-name</i>	relatedEventRelType
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No

<i>Super-elements</i>	relatedEventSet
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element relatedEventSet	
Description	
<i>Title</i>	Related Event
<i>General</i>	References an event which is linked in some way to this event, e.g. a field trip within which this object was collected.
Technical	
<i>Tag-name</i>	relatedEventSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	relatedEvent; relatedEventRelType
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element relatedWork	
Description	
<i>Title</i>	Related Work
<i>General</i>	Wrapper for the display and reference elements of a related object / work.
Technical	
<i>Tag-name</i>	relatedWork

<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	relatedWorkSet
<i>Sub-elements</i>	displayObject; object
<i>Equivalents</i>	CDWA Lite Corresponds partly to relatedWorkSet (without display).
	museumdat Corresponds partly to relatedWorkSet (without display).
	SPECTRUM [none]

Element relatedWorkRelType	
Description	
<i>Title</i>	Related Work Relationship Type
<i>General</i>	A term describing the nature of the relationship between the object / work at hand and the related entity.
<i>How to record</i>	Example values: part of, larger context for, model of, model for, study of, study forrendering of, copy of, related to. Indicate a term characterizing the relationship from the perspective of the currently described object / work towards the related object / work.
<i>Notes</i>	For implementation of the data, note that relationships are conceptually reciprocal, but the Relationship Type is often different on either side of the relationship (e.g., one work is part of a second work, but from the point of view of the second record, the first work is the larger context for the second work). Whether or not relationships are physically reciprocal as implemented in systems is a local decision.
Technical	
<i>Tag-name</i>	relatedWorkRelType
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No

<i>Super-elements</i>	relatedWorkSet
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite relatedWorkRelType
	museumdat relatedWorkRelType
	SPECTRUM [none]

Element relatedWorkSet	
Description	
<i>Title</i>	Related Work Set
<i>General</i>	A wrapper for a object / work, group, collection, or series that is directly related to the object / work being recorded.
Technical	
<i>Tag-name</i>	relatedWorkSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	relatedWorksWrap
<i>Sub-elements</i>	relatedWork; relatedWorkRelType
<i>Equivalents</i>	CDWA Lite relatedWorkSet [semantically, however the structure is different]
	museumdat relatedWorkSet [semantically, however the structure is different]
	SPECTRUM [none]

Element relatedWorksWrap	
Description	
<i>Title</i>	Related Works Wrapper
<i>General</i>	A wrapper for Related Works information.
Technical	

<i>Tag-name</i>	relatedWorksWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectRelationWrap
<i>Sub-elements</i>	relatedWorkSet
<i>Equivalents</i>	CDWA Lite relatedWorksWrap
	museumdat relatedWorksWrap
	SPECTRUM [none]

Element repositoryLocation	
Description	
<i>Title</i>	Location
<i>General</i>	Location of the object, especially relevant for architecture and archaeological sites.
Technical	
<i>Tag-name</i>	repositoryLocation
<i>Attributes</i>	politicalEntity; geographicalEntity
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	repositorySet
<i>Sub-elements</i>	placeID; namePlaceSet; gml; partOfPlace; placeClassification
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element repositoryName	
Description	
<i>Title</i>	Custody: Institution / Person

<i>General</i>	Unambiguous identification, designation and weblink of the institution of custody.
Technical	
<i>Tag-name</i>	repositoryName
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	repositorySet
<i>Sub-elements</i>	legalBodyID; legalBodyName; legalBodyWeblink
<i>Equivalents</i>	CDWA Lite locationName [partly]
	museumdat repositoryName
	SPECTRUM [none]

Element repositorySet	
Description	
<i>Title</i>	Custody/Repository Location Set
<i>General</i>	Wrapper for designation and identification of the institution of custody, and possibly an indication of the exact location of the object.
Technical	
<i>Tag-name</i>	repositorySet
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	repositoryWrap
<i>Sub-elements</i>	repositoryName; workID; repositoryLocation
<i>Equivalents</i>	CDWA Lite [none]
	museumdat repositorySet [with extended sub-elements]
	SPECTRUM [none]

Element repositoryWrap	
Description	
<i>Title</i>	Custody/Repository Location (Wrapper)
<i>General</i>	Wrapper for Repository/ Location information.
Technical	
<i>Tag-name</i>	repositoryWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectIdentificationWrap
<i>Sub-elements</i>	repositorySet
<i>Equivalents</i>	CDWA Lite locationWrap [partly]
	museumdat repositoryWrap [see repositoryName and repositoryLocation]
	SPECTRUM [none]

Element resourceDescription	
Description	
<i>Title</i>	Resource Description
<i>General</i>	A description of the spatial, chronological, or contextual aspects of the object / work as captured in this particular resource.
Technical	
<i>Tag-name</i>	resourceDescription
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite resourceViewDescription

	museumdat	resourceViewDescription
	SPECTRUM	[none]

Element resourceID		
Description		
<i>Title</i>	Resource Identification Number	
<i>General</i>	The unique numeric or alphanumeric identification of the original (digital or analogue) resource.	
Technical		
<i>Tag-name</i>	resourceID	
<i>Attributes</i>	pref; type; source; encodinganalog; label	
<i>Required?</i>	No	
<i>Repeatable?</i>	No	
<i>Super-elements</i>	resourceSet	
<i>Sub-elements</i>	-	
<i>Equivalents</i>	CDWA Lite	resourceID
	museumdat	resourceID
	SPECTRUM	[none]

Element resourceMeasurementsSet	
Description	
<i>Title</i>	Resource Measurement Set
<i>General</i>	Any technical measurement information needed for online presentation of the resource.
<i>How to record</i>	For images provide width and height of the digital image, for audio or video resources provide duration, bit rate, frame size, and if necessary TC-IN, TC-OUT.
Technical	
<i>Tag-name</i>	resourceMeasurementsSet
<i>Attributes</i>	-

<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceRepresentation
<i>Sub-elements</i>	measurementType; measurementUnit; measurementValue
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element resourcePerspective	
Description	
<i>Title</i>	Resource Perspective
<i>General</i>	The specific vantage point or perspective of the view.
Technical	
<i>Tag-name</i>	resourcePerspective
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite resourceViewType
	museumdat resourceViewType
	SPECTRUM [none]

Element resourceRelType	
Description	
<i>Title</i>	Resource Relationship Type
<i>General</i>	The relationship of the resource to the object / work being described.

<i>How to record</i>	Example values: conservation image, documentary image, contextual image, historical image, reconstruction, and installation image
Technical	
<i>Tag-name</i>	resourceRelType
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite resourceRelType
	museumdat resourceRelType
	SPECTRUM [none]

Element resourceRepresentation	
Description	
<i>Title</i>	Resource Representation
<i>General</i>	A digital representation of a resource for online presentation.
<i>How to record</i>	Repeat this element set for variants representing the same resource, e.g. different sizes of the same image, or a thumbnail representing an audio or video file and the digital audio or video file itself.
Technical	
<i>Tag-name</i>	resourceRepresentation
<i>Attributes</i>	type
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	linkResource; resourceMeasurementsSet
<i>Equivalents</i>	CDWA Lite [none]

	museumdat	[none]
	SPECTRUM	[none]

Element resourceSet		
Description		
<i>Title</i>	Resource Set	
<i>General</i>	Contains sub-elements for a structured resource description.	
<i>Notes</i>	Provides identification of a surrogate of the object / work including digital images, slides, transparencies, photographs, audio, video and moving images, but excluding items that are considered object / works in their own right. For such as drawings, prints, paintings, or photographs considered art, and other works that themselves contain representations of other works, use Related Works and/or Subjects.	
Technical		
<i>Tag-name</i>	resourceSet	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	resourceWrap	
<i>Sub-elements</i>	resourceID; resourceRepresentation; resourceType; resourceRelType; resourcePerspective; resourceDescription; ; resourceSource; rightsResource	
<i>Equivalents</i>	CDWA Lite	resourceSet
	museumdat	resourceSet
	SPECTRUM	[none]

Element resourceSource		
Description		
<i>Title</i>	Resource Source	

<i>General</i>	Identification of the agency, individual, or repository from which the image or other resource was obtained.
<i>How to record</i>	Include this sub-element when the source of the image/resource differs from the source named in Record Source.
Technical	
<i>Tag-name</i>	resourceSource
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	legalBodyID; legalBodyName; legalBodyWeblink
<i>Equivalents</i>	CDWA Lite resourceSource
	museumdat resourceSource
	SPECTRUM [none]

Element resourceType	
Description	
<i>Title</i>	Resource Type
<i>General</i>	The generic identification of the medium of the image or other resource.
<i>How to record</i>	Preferably using a controlled published value list. Example values: digital image, photograph, slide, videotape, X-ray photograph, negative.
Technical	
<i>Tag-name</i>	resourceType
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	conceptID; term

<i>Equivalents</i>	CDWA Lite	resourceType
	museumdat	resourceType
	SPECTRUM	[none]

Element resourceWrap	
Description	
<i>Title</i>	Resource Wrapper
<i>General</i>	A wrapper for resources that are surrogates for an object / work, including digital images, videos or audio files that represent it in an online service.
Technical	
<i>Tag-name</i>	resourceWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	administrativeMetadata; administrativeMetadata
<i>Sub-elements</i>	resourceSet
<i>Equivalents</i>	CDWA Lite resourceWrap
	museumdat resourceWrap
	SPECTRUM [none]

Element rightsDate	
Description	
<i>Title</i>	Rights Date
<i>General</i>	The date on which a right is or was current.
Technical	
<i>Tag-name</i>	rightsDate
<i>Attributes</i>	-
<i>Required?</i>	No

<i>Repeatable?</i>	No
<i>Super-elements</i>	recordRights; rightsResource; rightsWorkSet
<i>Sub-elements</i>	earliestDate; latestDate
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element rightsHolder	
Description	
<i>Title</i>	Rights Holder
<i>General</i>	The holder of the right.
Technical	
<i>Tag-name</i>	rightsHolder
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordRights; rightsResource; rightsWorkSet
<i>Sub-elements</i>	legalBodyID; legalBodyName; legalBodyWeblink
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element rightsResource	
Description	
<i>Title</i>	Rights for Resource
<i>General</i>	Information about rights regarding the image or other resource.
<i>How to record</i>	Use this sub-element if the holder of the reproduction rights for the image/resource differs from the holder of rights for the work. See also Rights Work above. (E.g., the work rights are " National

	Museum of African Art, Smithsonian Institution (Washington DC), "but the image rights are "Photo Frank Khoury."
Technical	
<i>Tag-name</i>	rightsResource
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	resourceSet
<i>Sub-elements</i>	rightsType; rightsDate; rightsHolder; creditLine
<i>Equivalents</i>	CDWA Lite rightsResource [partly]
	museumdat rightsResource [partly]
	SPECTRUM [none]

Element rightsType	
Description	
<i>Title</i>	Rights Type
<i>General</i>	The specific type of right being recorded.
<i>How to record</i>	For example: copyright, publication right, data protection right, trademark. Preferably taken from a published controlled value list.
Technical	
<i>Tag-name</i>	rightsType
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	recordRights; rightsResource; rightsWorkSet
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Right type

Element rightsWorkSet	
Description	
<i>Title</i>	Rights for Work Set
<i>General</i>	Information about rights management; may include copyright and other intellectual property statements about the object / work.
Technical	
<i>Tag-name</i>	rightsWorkSet
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	rightsWorkWrap
<i>Sub-elements</i>	rightsType; rightsDate; rightsHolder; creditLine
<i>Equivalents</i>	CDWA Lite rightsWork / rightsResource [semantics of the simple text elements]
	museumdat rightsWork / rightsResource [semantics of the simple text elements]
	SPECTRUM [none]

Element rightsWorkWrap	
Description	
<i>Title</i>	Rights for Work Wrapper
<i>General</i>	Wrapper for rights information about the object / work described.
<i>Notes</i>	Rights information for the record and for resources is recorded in the respective rights elements recordRights and rightsResource.
Technical	
<i>Tag-name</i>	rightsWorkWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No

<i>Super-elements</i>	administrativeMetadata; administrativeMetadata
<i>Sub-elements</i>	rightsWorkSet
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element roleActor	
Description	
<i>Title</i>	Role Actor
<i>General</i>	Role of the Actor in the event.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.
Technical	
<i>Tag-name</i>	roleActor
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	actorInRole
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite roleCreator
	museumdat roleActor
	SPECTRUM Person's association. (NOTE - data is mapped into the sub-element: term).

Element roleInEvent	
Description	
<i>Title</i>	Role in Event
<i>General</i>	The role played within this event by the described entity.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.
Technical	

<i>Tag-name</i>	roleInEvent
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element scaleMeasurements	
Description	
<i>Title</i>	Scale Measurements
<i>General</i>	An expression of the ratio between the size of the representation of something and that thing (e.g., the size of the drawn structure and the actual built work).
<i>How to record</i>	Example values for scale: numeric (e.g., 1 inch = 1 foot), full-size, life-size, half size, monumental. and others as recommended in CCO and CDWA. Combine this tag with Measurement Sets for numeric scales. For measurementsSet type for Scale, use "base" for the left side of the equation, and "target" for the right side of the equation).
<i>Notes</i>	Used for studies, record drawings, models, and other representations drawn or constructed to scale.
Technical	
<i>Tag-name</i>	scaleMeasurements
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	objectMeasurements
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite scaleMeasurements

	museumdat	scaleMeasurements
	SPECTRUM	[none]

Element shapeMeasurements		
Description		
<i>Title</i>	Shape Measurements	
<i>General</i>	The shape of an object / work. Used for unusual shapes (e.g., an oval painting).	
<i>How to record</i>	Example values: oval, round, square, rectangular, and irregular.	
Technical		
<i>Tag-name</i>	shapeMeasurements	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	objectMeasurements	
<i>Sub-elements</i>	-	
<i>Equivalents</i>	CDWA Lite	shapeMeasurements
	museumdat	shapeMeasurements
	SPECTRUM	[none]

Element sourceAppellation	
Description	
<i>Title</i>	Source Appellation
<i>General</i>	The source for the appellation, generally a published source.
Technical	
<i>Tag-name</i>	sourceAppellation
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes

<i>Super-elements</i>	eventName; legalBodyName; nameActorSet; namePlaceSet; titleSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite e.g. sourceTitle, sourceNameCreator
	museumdat e.g. sourceTitle, sourceNameActor
	SPECTRUM [none]

Element sourceDescriptiveNote	
Description	
<i>Title</i>	Source Description/Descriptive Note
<i>General</i>	The source for the descriptive note, generally a published source.
Technical	
<i>Tag-name</i>	sourceDescriptiveNote
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	eventDescriptionSet; inscriptionDescription; objectDescriptionSet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite sourceDescriptiveNote
	museumdat sourceDescriptiveNote
	SPECTRUM [none]

Element sourceMaterialsTech	
Description	
<i>Title</i>	Source Materials Techniques
<i>General</i>	The source of the information about materials and technique, often used when citing a published source of watermarks.
Technical	

<i>Tag-name</i>	sourceMaterialsTech
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	materialsTech
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite sourceMaterialsTech
	museumdat sourceMaterialsTech
	SPECTRUM [none]

Element sourceStateEdition	
Description	
<i>Title</i>	Source Display State/Edition
<i>General</i>	The published source of the state or edition information.
Technical	
<i>Tag-name</i>	sourceStateEdition
<i>Attributes</i>	xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	displayStateEditionWrap
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite sourceStateEdition
	museumdat sourceStateEdition
	SPECTRUM [none]

Element subject	
Description	
<i>Title</i>	Subject

<i>General</i>	Contains sub-elements for a structured subject description. These identify, describe, and/or interpret what is depicted in and by an object / work or what it is about.	
Technical		
<i>Tag-name</i>	subject	
<i>Attributes</i>	type	
<i>Required?</i>	No	
<i>Repeatable?</i>	No	
<i>Super-elements</i>	subjectSet	
<i>Sub-elements</i>	extentSubject; subjectConcept; subjectActor; subjectDate; subjectEvent; subjectPlace; subjectObject	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectActor		
Description		
<i>Title</i>	Subject Actor Set	
<i>General</i>	A person, group, or institution depicted in or by an object / work, or what it is about, provided as display and index elements.	
Technical		
<i>Tag-name</i>	subjectActor	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	subject	
<i>Sub-elements</i>	displayActor; actor	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectConcept	
Description	
<i>Title</i>	Subject Concept
<i>General</i>	Provides references to concepts related to the subject of the described object / work.
<i>How to record</i>	May include iconography, themes from literature, or generic terms describing the material world, or topics (e.g., concepts, themes, or issues). However, references to people, dates, events, places, objects are indicated in the the respective sub-elements Subject Actor Set, Subject Date Set, Subject Event Set, Subject Place Set, and Subject Object Set. Preferably taken from a published controlled vocabulary.
Technical	
<i>Tag-name</i>	subjectConcept
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subject
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite subjectTerm [but restricted to concepts - cf. new sub-elements subjectActor, subjectEvent, subjectPlace]
	museumdat subjectTerm [but restricted to concepts - cf. new sub-elements subjectActor, subjectEvent, subjectPlace]
	SPECTRUM Associated activity [attribute: type = 'Associated-activity']; Associated concept [attribute: type = 'Associated-concept']; Content - activity [attribute: type = 'Content-activity']; Content - concept [attribute: type = 'Content-concept']; Content - people [attribute: type = 'Content-people']. (NOTE - data is mapped into the sub-element: term).

Element subjectDate	
Description	
<i>Title</i>	Subject Date Set

<i>General</i>	A time specification depicted in or by an object / work, or what it is about, provided as display and index elements.	
Technical		
<i>Tag-name</i>	subjectDate	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	subject	
<i>Sub-elements</i>	displayDate; date	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectEvent		
Description		
<i>Title</i>	Subject Event Set	
<i>General</i>	An event depicted in or by an object / work, or what it is about, provided as display and index elements.	
Technical		
<i>Tag-name</i>	subjectEvent	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	subject	
<i>Sub-elements</i>	displayEvent; event	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectObject	
Description	
<i>Title</i>	Subject Object
<i>General</i>	An object - e.g. a building or a work of art depicted in or by an object / work, or what it is about, provided as display and index elements.
Technical	
<i>Tag-name</i>	subjectObject
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subject
<i>Sub-elements</i>	displayObject; object
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element subjectPlace	
Description	
<i>Title</i>	Subject Place Set
<i>General</i>	A place depicted in or by an object / work, or what it is about, provided as display and index elements.
Technical	
<i>Tag-name</i>	subjectPlace
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	subject
<i>Sub-elements</i>	displayPlace; place

<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectSet		
Description		
<i>Title</i>	Subject Set	
<i>General</i>	Wrapper for display and index elements for one set of subject information.	
<i>How to record</i>	If an object / work has multiple parts or otherwise has separate, multiple subjects, repeat this element and use Extent Subject in the Subject element. This element may also be repeated to distinguish between subjects that reflect what an object / work is *of* (description and identification) from what it is *about* (interpretation).	
Technical		
<i>Tag-name</i>	subjectSet	
<i>Attributes</i>	sortorder	
<i>Required?</i>	No	
<i>Repeatable?</i>	Yes	
<i>Super-elements</i>	subjectWrap	
<i>Sub-elements</i>	displaySubject; subject	
<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectWrap	
Description	
<i>Title</i>	Subject Wrapper
<i>General</i>	A wrapper for Subject information. This may be the visual content (e.g. the iconography of a painting) or what the object is about.

Technical	
<i>Tag-name</i>	subjectWrap
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No
<i>Super-elements</i>	objectRelationWrap
<i>Sub-elements</i>	subjectSet
<i>Equivalents</i>	CDWA Lite indexingSubjectWrap [partly]
	museumdat indexingSubjectWrap [partly]
	SPECTRUM [none]

Element term	
Description	
<i>Title</i>	Term / Label
<i>General</i>	A name for the referred concept, used for indexing.
Technical	
<i>Tag-name</i>	term
<i>Attributes</i>	pref; addedSearchTerm; xml:lang; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	category; classification; culture; eventMethod; eventType; nationalityActor; objectWorkType; periodName; placeClassification; recordType; relatedEventRelType; relatedWorkRelType; resourcePerspective; resourceRelType; resourceType; rightsType; roleActor; roleInEvent; subjectConcept; termMaterialsTech
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [holds data - see parent element]

Element termMaterialsTech	
Description	
<i>Title</i>	Concept Materials Techniques
<i>General</i>	A concept to index materials and/or technique.
<i>How to record</i>	Preferably taken from a published controlled vocabulary.
Technical	
<i>Tag-name</i>	termMaterialsTech
<i>Attributes</i>	type; sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	materialsTech
<i>Sub-elements</i>	conceptID; term
<i>Equivalents</i>	CDWA Lite termMaterialsTech
	museumdat termMaterialsTech
	SPECTRUM Material [attribute: type = 'Material'] [element: eventType term = 'Creation']; Technique [attribute: type = 'Technique'] [element: eventType term = 'Creation']. (NOTE - data is mapped into the sub-element: term)

Element thingPresent	
Description	
<i>Title</i>	Thing Present
<i>General</i>	References another object that was present at this same event.
Technical	
<i>Tag-name</i>	thingPresent
<i>Attributes</i>	sortorder
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	event

<i>Sub-elements</i>	displayObject; object
<i>Equivalents</i>	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element titleSet	
Description	
<i>Title</i>	Title or Object Name Set
<i>General</i>	Wrapper for one title or object name and its source information.
<i>How to record</i>	Mandatory. If there is no specific title, provide an object name in the appellation value. If there is more than one title, repeat the Title Set element.
<i>Notes</i>	For objects from natural, technical, cultural history e.g. the object name given here and the object type, recorded in the object / work type element are often identical.
Technical	
<i>Tag-name</i>	titleSet
<i>Attributes</i>	type; sortorder
<i>Required?</i>	Yes
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	titleWrap
<i>Sub-elements</i>	appellationValue; sourceAppellation
<i>Equivalents</i>	CDWA Lite titleSet
	museumdat titleSet
	SPECTRUM Object name [if no title only]; Title. (NOTE - data is mapped into the sub-element: appellationValue).

Element titleWrap	
Description	
<i>Title</i>	Title or Object Name Wrapper

<i>General</i>	Wrapper for Object name / Title information.	
Technical		
<i>Tag-name</i>	titleWrap	
<i>Attributes</i>	-	
<i>Required?</i>	Yes	
<i>Repeatable?</i>	No	
<i>Super-elements</i>	objectIdentificationWrap	
<i>Sub-elements</i>	titleSet	
<i>Equivalents</i>	CDWA Lite	titleWrap
	museumdat	titleWrap
	SPECTRUM	[none]

Element vitalDatesActor	
Description	
<i>Title</i>	Vital Dates Actor
<i>General</i>	The lifespan of the person or the existence of the corporate body or group.
<i>How to record</i>	For individuals, record birth date as earliest and death date as latest date, estimated where necessary. For a corporate body or group, record the dates of founding and dissolution. Although this is not a mandatory field the use of birth date and death date is strongly recommended for unambiguous identification of individuals. The type attribute of earliest and latest date may specify for individuals, if birth and death dates or if dates of activity are recorded. Data values for type attribute may include: birthDate, deathDate, estimatedDate.
Technical	
<i>Tag-name</i>	vitalDatesActor
<i>Attributes</i>	-
<i>Required?</i>	No
<i>Repeatable?</i>	No

<i>Super-elements</i>	actor; actor
<i>Sub-elements</i>	earliestDate; latestDate
<i>Equivalents</i>	CDWA Lite vitalDatesCreator
	museumdat vitalDatesActor
	SPECTRUM Organisation's foundation date [attribute birthDate]; Organisation's dissolution date [attribute deathDate]; Person's birth date [attribute birthDate]; Person's death date [attribute deathDate]

Element workID	
Description	
<i>Title</i>	Custody: Identification number
<i>General</i>	An unambiguous numeric or alphanumeric identification number, assigned to the object by the institution of custody.
Technical	
<i>Tag-name</i>	workID
<i>Attributes</i>	type; sortorder; encodinganalog; label
<i>Required?</i>	No
<i>Repeatable?</i>	Yes
<i>Super-elements</i>	repositorySet
<i>Sub-elements</i>	-
<i>Equivalents</i>	CDWA Lite workID
	museumdat workID
	SPECTRUM Object number; Other number [type attribute='Other number type']; Field collection number [type attribute='Field-collection-number']

Alphabetical list of attributes

Attribute addedSearchTerm	
Description	
<i>How to record</i>	Has the two values: "yes" or "no". "yes" indicates, that the term is an additional term which is derived from an underlying controlled vocabulary (eg. synonym, generic term, superordinate term) and should be used only for retrieval. "no" is default.
Technical	
<i>Attribute name</i>	addedSearchTerm
<i>Used in elements</i>	term;
<i>Equivalents</i>	CDWA Lite [none]
	museumdat @imported
	SPECTRUM [none]

Attribute codecResource	
Description	
<i>General</i>	Codec information about the digital resource.
Technical	
<i>Attribute name</i>	codecResource
<i>Used in elements</i>	resourceRepresentation

Attribute encodinganalog	
Description	
<i>How to record</i>	Elements with data values are accompanied by the attributes encodinganalog and label to indicate the format of the data source from which the data were migrated. The attribute encodinganalog refers to the internal field label of the source database. The source format is indicated in the attribute relatedencoding of the lidoWrap

Technical	
<i>Attribute name</i>	encodinganalog
<i>Used in elements</i>	workID; term; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; inscriptionTranscription; displayState; displayEdition; sourceStateEdition; displaySubject; extentSubject; displayEvent; displayActor; displayDate; extentMaterialsTech; sourceMaterialsTech; displayPlace; descriptiveNoteValue; sourceDescriptiveNote; creditLine; displayObject; genderActor; displayMaterialsTech; displayObjectMeasurements; attributionQualifierActor; extentActor; displayActorInRole; measurementType; measurementUnit; measurementValue; recordInfoLink; legalBodyWeblink; objectWebResource; appellationValue; sourceAppellation; earliestDate; latestDate;
<i>Equivalents</i>	CDWA Lite [none]
	museumdat encodinganalog
	SPECTRUM [none]

Attribute formatResource	
Description	
<i>General</i>	Indicates the internet media type, e.g. the file format of the given web resource.
<i>How to record</i>	Data values should be taken from the official IANA list (see http://www.iana.org/assignments/media-types/). Includes: text/html, text/xml, image/jpeg, audio/mpeg, video/mpeg, application/pdf.
Technical	
<i>Attribute name</i>	formatResource
<i>Used in elements</i>	recordInfoLink; legalBodyWeblink; objectWebResource
<i>Equivalents</i>	CDWA Lite formatResource
	museumdat formatResource
	SPECTRUM [none]

Attribute geographicalEntity

Description	
<i>General</i>	Qualifies the type of the given place entity according to geographical structures.
<i>How to record</i>	Data values can include: natural environment, landscape.
Technical	
<i>Attribute name</i>	geographicalEntity
<i>Used in elements</i>	repositoryLocation; place; partOfPlace;
<i>Equivalents</i>	CDWA Lite [none]
	museumdat geographicalEntity
	SPECTRUM Place feature type

Attribute label	
Description	
<i>How to record</i>	Elements with data values are accompanied by the attributes encodinganalog and label, to indicate the format of the data source from which the data were migrated. The attribute label refers to the external label of a data field at the visible user interface. The source format is indicated in the attribute
Technical	
<i>Attribute name</i>	label
<i>Used in elements</i>	workID; term; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; inscriptionTranscription; displayState; displayEdition; sourceStateEdition; displaySubject; extentSubject; displayEvent; displayActor; displayDate; extentMaterialsTech; sourceMaterialsTech; displayPlace; descriptiveNoteValue; sourceDescriptiveNote; creditLine; displayObject; genderActor; displayMaterialsTech; displayObjectMeasurements; attributionQualifierActor; extentActor; displayActorInRole; measurementType; measurementUnit; measurementValue; recordInfoLink; legalBodyWebLink; objectWebResource; appellationValue; sourceAppellation; earliestDate; latestDate;

<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	label
	SPECTRUM	[none]

Attribute politicalEntity		
Description		
General	Qualifies the type of the given place entity according to political structures.	
How to record	Data values can include: city, county, country, civil parish.	
Technical		
Attribute name	politicalEntity	
Used in elements	repositoryLocation; place; partOfPlace;	
Equivalents	CDWA Lite	[none]
	museumdat	politicalEntity
	SPECTRUM	Place name type

Attribute pref		
Description		
General	Qualifies the value as a preferred or alternative variant.	
How to record	Data values: preferred, alternate	
Technical		
Attribute name	pref	
Used in elements	term; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; recordInfoLink; legalBodyWeblink; objectWebResource; appellationValue;	
Equivalents	CDWA Lite	pref [but value list restricted]
	museumdat	pref
	SPECTRUM	[none]

Attribute relatedencoding	
Description	
<i>General</i>	Indicates the format of the data source from which the data were migrated. For each sub-element with data values then the related source data fields can be referenced through the attributes encodinganalog and label.
Technical	
<i>Attribute name</i>	relatedencoding
<i>Used in elements</i>	lidoWrap; lido;
<i>Equivalents</i>	CDWA Lite [none]
	museumdat museumdatWrap@relatedencoding
	SPECTRUM [none]

Attribute sortorder	
Description	
<i>General</i>	Assigns a priority order for online presentation of the element.
<i>How to record</i>	Has to be a positive integer, with descending priority from 1 to x.
Technical	
<i>Attribute name</i>	sortorder
<i>Used in elements</i>	lidoWrap; objectWorkTypeWrap; classificationWrap; titleWrap; inscriptionsWrap; objectMeasurementsWrap; eventWrap; subjectWrap; relatedWorksWrap; rightsWorkWrap; recordWrap; recordWrap; resourceWrap; workID; repositorySet; resourceDescription; resourceSource; rightsResource; subjectConcept; subjectActor; subjectDate; subjectEvent; subjectPlace; subjectObject; termMaterialsTech; eventActor; culture; periodName; eventPlace; eventMethod; eventMaterialsTech; thingPresent; relatedEventSet; inscriptionDescription; objectDescriptionSet; eventDescriptionSet; rightsHolder; nationalityActor; measurementsSet; extentMeasurements; qualifierMeasurements; formatMeasurements; shapeMeasurements; scaleMeasurements; roleActor;

<i>Equivalents</i>	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Attribute source		
Description		
<i>General</i>	Source of the information given in the holding element.	
Technical		
<i>Attribute name</i>	source	
<i>Used in elements</i>	recordMetadataDate; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; earliestDate; latestDate;	
<i>Equivalents</i>	CDWA Lite	termsource
	museumdat	termsource
	SPECTRUM	Unit of information scheme

Attribute type	
Description	
<i>General</i>	Qualifies the type of information given in the holding element.
<i>How to record</i>	Will generally have to be populated with a given value list.
Technical	
<i>Attribute name</i>	type
<i>Used in elements</i>	objectWorkTypeWrap; classificationWrap; titleWrap; inscriptionsWrap; recordWrap; workID; repositorySet; recordMetadataDate; recordInfoSet; resourceRepresentation; resourceDescription; resourceSource; subject; termMaterialsTech; periodName; eventPlace; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; inscriptionDescription;

	objectDescriptionSet; eventDescriptionSet; placeClassification; actor; actor; earliestDate; latestDate; objectNote;
<i>Equivalents</i>	CDWA Lite type
	museumdat type
	SPECTRUM [none]