LIDO - Lightweight Information Describing Objects
Version 1.0

November 2010

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INTERNATIONAL COUNCIL OF MUSEUMS
CONSEIL INTERNATIONAL DES MUSEES

C I D O C

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

LIDO current version: 2010-11-08: http://www.lido-schema.org/schema/v1.0/lido-v1.0.xsd

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.

SCHEMA USE NOTICE

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

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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.

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For CDWA Lite:

© 2005, 2006 ARTstor and J Paul Getty Trust.

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

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

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

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

Repeatable?	Yes
Super-elements	actor; actor
Sub-elements	-
Equivalents	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

Title	Actor in Role
General	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

Tag-name	actorInRole
Attributes	-
Required?	No
Repeatable?	No
Super-elements	eventActor
Sub-elements	actor; roleActor; attributionQualifierActor; extentActor
Equivalents	CDWA Lite indexingCreatorSet [creator generalized into actor]
	museumdat indexingActorSet
	SPECTRUM [none]

Element administrativeMetadata

Description

Title	Administrative Metadata

General	Holds the administrative metadata for an object / work record.
How to record	The attribute xml:lang 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 lang attribute on the text level.

Technical	
Tag-name	administrativeMetadata
Attributes	xml:lang
Required?	Yes
Repeatable?	Yes
Super-elements	lido
Sub-elements	rightsWorkWrap; recordWrap; resourceWrap
Equivalents	CDWA Lite administrativeMetadata
	museumdat administrativeMetadata
	SPECTRUM [none]

Element appellationValue

Description	
Title	Appellation Value
General	Appellations, e.g. titles, identifying phrases, or names given to an item, but also name of a person or corporation, also place name etc.
How to record	Repeat this element only for language variants.

Technical	
Tag-name	appellationValue
Attributes	pref; xml:lang; encodinganalog; label
Required?	Yes
Repeatable?	Yes

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

Element attributionQualifierActor

Description

Title	Attribution Qualifier Actor
General	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.
How to record	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

Tag-name	attributionQualifierActor
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	actorInRole
Sub-elements	-
Equivalents	CDWA Lite attributionQualifierCreator
	museumdat attributionQualifierActor
	SPECTRUM [none]

Element category

Description

Title	Category

General	Indicates the category of which this item is an instance, preferably referring to CIDOC-CRM concept definitions.
How to record	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	
Tag-name	category
Attributes	-
Required?	No
Repeatable?	No
Super-elements	lido; lido
Sub-elements	conceptID; term
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element classification

Description	
Title	Classification
General	Concepts used to categorize an object / work by grouping it together with others on the basis of similar characteristics.
How to record	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	
Tag-name	classification
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	classificationWrap
Sub-elements	conceptID; term
Equivalents	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	
Title	Classification Wrapper
General	A wrapper for classification information.

Technical	
Tag-name	classificationWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectClassificationWrap
Sub-elements	classification
Equivalents	CDWA Lite classificationWrap
	museumdat classificationWrap
	SPECTRUM [none]

Element conceptID

Description

Title	Concept Identifier
General	A unique identifier for the concept.
How to record	Preferably taken from and linking to a published controlled vocabulary.

Technical

Tag-name	conceptID
Attributes	pref; type; source; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	category; classification; culture; eventMethod; eventType; nationalityActor; objectWorkType; periodName; placeClassification; recordType; relatedEventRelType; relatedWorkRelType; resourcePerspective; resourceRelType; resourceType; rightsType; roleActor; roleInEvent; subjectConcept; termMaterialsTech
Sub-elements	-
Equivalents	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

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

Technical

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

Element culture

Description

Title	Cultural context
General	Name of a culture, cultural context, people, or also a nationality.
How to record	Preferably using a controlled vocabuarly.

Technical

Tag-name	culture
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	conceptID; term
Equivalents	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

<table>
<tr><td colspan="2">production people [element: eventType term = 'Creation']. (NOTE - data is mapped into the sub-element: term).</td></tr>
</table>

Element date

Description

Title	Date
General	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

Tag-name	date	
Attributes	-	
Required?	No	
Repeatable?	No	
Super-elements	eventDate; ; subjectDate	
Sub-elements	earliestDate; latestDate	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element descriptiveMetadata

Description

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

	museumdat [none]
	SPECTRUM [none]

Element descriptiveNoteValue

Description

Title	Description/Descriptive Note
General	Usually a relatively brief essay-like text that describes the entity.
How to record	Repeat this element only for language variants.

Technical

Tag-name	descriptiveNoteValue
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventDescriptionSet; inscriptionDescription; objectDescriptionSet
Sub-elements	-
Equivalents	CDWA Lite descriptiveNote
	museumdat descriptiveNote
	SPECTRUM Brief description; Comments; Distinguishing features; Number of objects; Physical description; Association note; Object history note

Element displayActor

Description

Title	Display Actor
General	Display element for one actor, corresponding to the following actor element.
How to record	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	
Tag-name	displayActor
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	subjectActor
Sub-elements	-
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Content - organisation [simple string]; Content - person [simple string]

Element displayActorInRole	
Description	
Title	Display Actor in Role
General	Display element for an actor coupled with its specific role, corresponding to the following actor element.
How to record	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	
Tag-name	displayActorInRole
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventActor
Sub-elements	-
Equivalents	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	
Title	Display Date
General	Display element for a date specification, corresponding to the following date element.
How to record	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	
Tag-name	displayDate
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventDate; ; subjectDate
Sub-elements	-

Equivalents	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

Title	Display Edition
General	A description of the edition of the object / work. Used primarily for prints and other multiples.
How to record	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

Tag-name	displayEdition	
Attributes	xml:lang; encodinganalog; label	
Required?	No	
Repeatable?	Yes	
Super-elements	displayStateEditionWrap	
Sub-elements	-	
Equivalents	CDWA Lite	displayEdition
	museumdat	displayEdition
	SPECTRUM	Copy number; Edition number; Catalogue number

Element displayEvent

Description

Title	Display Event

General	Display element for an event, corresponding to the following event element.
How to record	Repeat this element only for language variants.

Technical	
Tag-name	displayEvent
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventSet; relatedEvent; subjectEvent
Sub-elements	-
Equivalents	CDWA Lite [none]
	museumdat displayEvent [partly]
	SPECTRUM [none]

Element displayMaterialsTech

Description

Title	Display Materials Technique
General	Display element for materials/technique, corresponding to the following materialsTech element.
How to record	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	
Tag-name	displayMaterialsTech
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventMaterialsTech
Sub-elements	-

Equivalents	CDWA Lite	displayMaterialsTech [partly]
	museumdat	displayMaterialsTech [partly]
	SPECTRUM	[none]

Element displayObject

Description

Title	Display Object
General	A free-text description of the object, corresponding to the following object element
How to record	Repeat this element only for language variants.

Technical

Tag-name	displayObject	
Attributes	xml:lang; encodinganalog; label	
Required?	No	
Repeatable?	Yes	
Super-elements	relatedWork; subjectObject; thingPresent	
Sub-elements	-	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	Associated object

Element displayObjectMeasurements

Description

Title	Display Object Measurement
General	Display element for one object measurement, corresponding to the following objectMeasurement element.
How to record	Repeat this element only for language variants.

Technical

Tag-name	displayObjectMeasurements

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

Element displayPlace

Description

Title	Display Place
General	Display element for a place specification, corresponding to the following place element.
How to record	Repeat this element only for language variants.

Technical

Tag-name	displayPlace
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventPlace; subjectPlace
Sub-elements	-
Equivalents	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

Title	Display State
General	A description of the state of the object / work. Used primarily for prints and other multiples
How to record	Formulated according to rules. For State, include state identification and known states, as appropriate. Repeat this element only for language variants.

Technical	
Tag-name	displayState
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	displayStateEditionWrap
Sub-elements	-
Equivalents	CDWA Lite displayState
	museumdat displayState
	SPECTRUM [none]

Element displayStateEditionWrap

Description	
Title	Display State/Edition Wrapper
General	A wrapper for the state and edition of the object / work.

Technical	
Tag-name	displayStateEditionWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectIdentificationWrap
Sub-elements	displayState; displayEdition; sourceStateEdition
Equivalents	CDWA Lite displayStateEditionWrap
	museumdat displayStateEditionWrap

	SPECTRUM	[none]

Element displaySubject

Description

Title	Display Subject
General	A free-text description of the subject matter represented by/in the object / work, corresponding to the following subject element
How to record	Repeat this element only for language variants.

Technical

Tag-name	displaySubject	
Attributes	xml:lang; encodinganalog; label	
Required?	No	
Repeatable?	Yes	
Super-elements	subjectSet	
Sub-elements	-	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	Content - description; Content - note; Content note; Content - other

Element earliestDate

Description

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

Technical

Tag-name	earliestDate

Attributes	type; source; encodinganalog; label
Required?	No
Repeatable?	No
Super-elements	date; rightsDate; vitalDatesActor
Sub-elements	-
Equivalents	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

Title	Event
General	Identifying, descriptive and indexing information for the events in which the object participated or was present at, e.g. creation, excavation, collection, and use.
Notes	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

Tag-name	event
Attributes	-
Required?	No
Repeatable?	No
Super-elements	eventSet; relatedEvent; subjectEvent
Sub-elements	eventID; eventType; roleInEvent; eventName; eventActor; culture; eventDate; periodName; eventPlace; eventMethod; eventMaterialsTech; thingPresent; relatedEventSet; eventDescriptionSet
Equivalents	CDWA Lite [none]

	museumdat	indexingEventSet [subset of]
	SPECTRUM	[none]

Element eventActor

Description

Title	Event Actor
General	Wrapper for display and index elements for an actor with role information (participating or being present in the event).
How to record	For multiple actors repeat the element.

Technical

Tag-name	eventActor	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	event	
Sub-elements	displayActorInRole; actorInRole	
Equivalents	CDWA Lite	[none]
	museumdat	Corresponds to indexingActorSet (without displayActor)
	SPECTRUM	[none]

Element eventDate

Description

Title	Event Date
General	Date specification of the event.

Technical

Tag-name	eventDate
Attributes	-
Required?	No

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

Element eventDescriptionSet

Description

Title	Event Description
General	Wrapper for a description of the event, including description identifer, descriptive note of the event and its sources.
How to record	If there is more than one descriptive note, repeat this element.

Technical

Tag-name	eventDescriptionSet
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element eventID

Description

Title	Event Identifier
General	A unique identifier for the event.

How to record	Preferably taken from and linking to a published resource describing the event.

Technical	
Tag-name	eventID
Attributes	pref; type; source; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	-
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Field collection event reference number; Exhibition reference number

Element eventMaterialsTech

Description	
Title	Event Materials/Technique
General	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.
How to record	Will be used most often within a production event, but also others such as excavation, restoration, etc.

Technical	
Tag-name	eventMaterialsTech
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	displayMaterialsTech; materialsTech
Equivalents	CDWA Lite [none]

	museumdat [none]
	SPECTRUM [none]

Element eventMethod

Description

Title	Event Method
General	The method by which the event is carried out.
How to record	Preferably taken from a published controlled vocabulary.
Notes	Used e.g. for SPECTRUM Units of Information "field collection method", "acquisition method".

Technical

Tag-name	eventMethod
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	conceptID; term
Equivalents	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

Title	Event Name
General	An appellation for the event, e.g. a title, identifying phrase, or name given to it.

Technical

Tag-name	eventName
Attributes	-
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	appellationValue; sourceAppellation
Equivalents	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

Title	Event Place
General	Place specification of the event.

Technical

Tag-name	eventPlace
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	displayPlace; place
Equivalents	CDWA Lite [none]
	museumdat Corresponds to indexingLocationSet (without displayPlace)
	SPECTRUM [none]

Element eventSet

Description

Title	Event Set
General	Wrapper for the display and index elements for events (e.g. creation, find, and use), in which the object participated.
How to record	For multiple events repeat the element.

Technical	
Tag-name	eventSet
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	eventWrap
Sub-elements	displayEvent; event
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element eventType

Description	
Title	Event Type
General	The nature of the event associated with an object / work.
How to record	Controlled. Recommended: Defined list of subclasses of CRM entity E5 Event. Basic event types as recorded in sub-element term include: Acquisition, Collecting, Commisioning, 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	
Tag-name	eventType
Attributes	-

Required?	Yes
Repeatable?	No
Super-elements	event
Sub-elements	conceptID; term
Equivalents	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

Title	Event Wrapper
General	Wrapper for event sets.

Technical

Tag-name	eventWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	descriptiveMetadata; descriptiveMetadata
Sub-elements	eventSet
Equivalents	CDWA Lite [none]
	museumdat indexingEventWrap
	SPECTRUM [none]

Element extentActor

Description

Title	Actor: Extent of participation

General	Extent of the actor's participation in the event, if there are several actors.
How to record	Example values: design, execution, with additions by, figures, renovation by, predella, embroidery, cast by, printed by, ...

Technical

Tag-name	extentActor
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	actorInRole
Sub-elements	-
Equivalents	CDWA Lite extentCreator
	museumdat extentActor
	SPECTRUM [none]

Element extentMaterialsTech

Description

Title	Extent Materials Techniques
General	An explanation of the part of the object / work to which the corresponding materials or technique are applicable; included when necessary for clarity.

Technical

Tag-name	extentMaterialsTech
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	materialsTech
Sub-elements	-
Equivalents	CDWA Lite extentMaterialsTech
	museumdat extentMaterialsTech

	SPECTRUM	[none]

Element extentMeasurements

Description

Title	Extent Measurements
General	An explanation of the part of the object / work being measured included, when necessary, for clarity.
How to record	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

Tag-name	extentMeasurements	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	objectMeasurements	
Sub-elements	-	
Equivalents	CDWA Lite	extentMeasurements
	museumdat	extentMeasurements
	SPECTRUM	Dimension measured part

Element extentSubject

Description

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

Technical

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

Element formatMeasurements

Description

Title	Format Measurements
General	The configuration of an object / work, including technical formats. Used as necessary.
How to record	Example values: Vignette, VHS, IMAX, and DOS

Technical

Tag-name	formatMeasurements
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	objectMeasurements
Sub-elements	-
Equivalents	CDWA Lite formatMeasurements
	museumdat formatMeasurements
	SPECTRUM [none]

Element genderActor

Description

Title	Gender Actor
General	The sex of the individual.
How to record	Data values: male, female, unknown, not applicable. Repeat this element for language variants only.
Notes	Not applicable for corporate bodies.

Technical	
Tag-name	genderActor
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	actor; actor
Sub-elements	-
Equivalents	CDWA Lite genderCreator
	museumdat genderActor
	SPECTRUM Person's gender

Element gml

Description

Title	GML
General	Georeferences of the place using the GML specification.
How to record	Repeat this element only for language variants.
Notes	For further documentation on GML refer to http://www.opengis.net/gml/.

Technical	
Tag-name	gml
Attributes	xml:lang
Required?	No
Repeatable?	Yes
Super-elements	partOfPlace; place; repositoryLocation

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

Element inscriptionDescription

Description

Title	Inscription Description
General	Wrapper for a description of the inscription, including description identifer, descriptive note of the inscription and sources.

Technical

Tag-name	inscriptionDescription	
Attributes	type; sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	inscriptions	
Sub-elements	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote	
Equivalents	CDWA Lite	inscriptions [restricted to description]
	museumdat	inscriptions [restricted to description]
	SPECTRUM	Inscription description

Element inscriptions

Description

Title	Inscriptions
General	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.
Notes	Record watermarks in Display Materials/Techniques.

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

Element inscriptionsWrap

Description	
Title	Inscriptions and other Marks Wrapper
General	A wrapper for information about inscriptions and other marks.

Technical	
Tag-name	inscriptionsWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectIdentificationWrap
Sub-elements	inscriptions
Equivalents	CDWA Lite inscriptionsWrap
	museumdat inscriptionsWrap
	SPECTRUM [none]

Element inscriptionTranscription

Description

Title	Inscription Transcription
General	Transcription of the inscription.
How to record	Repeat this element only for language variants.

Technical	
Tag-name	inscriptionTranscription
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	inscriptions
Sub-elements	-
Equivalents	CDWA Lite inscriptions [restricted to trancription]
	museumdat inscriptions [restricted to trancription]
	SPECTRUM Inscription content

Element latestDate

Description	
Title	Latest Date
General	A year or exact date that broadly delimits the end of an implied date span.
How to record	General format: YYYY[-MM[-DD]] Format is according to ISO 8601. This may include date and time specification.

Technical	
Tag-name	latestDate
Attributes	type; source; encodinganalog; label
Required?	No
Repeatable?	No
Super-elements	date; rightsDate; vitalDatesActor
Sub-elements	-
Equivalents	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 [latiest date]; Right end date; Exhibition end date; Date - latest; Acquisition date [latest]

Element legalBodyID

Description

Title	Legal Body ID
General	Unambiguous identification of the institution or person referred to as legal body.

Technical

Tag-name	legalBodyID
Attributes	pref; type; source; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	recordSource; repositoryName; resourceSource; rightsHolder
Sub-elements	-
Equivalents	CDWA Lite
	museumdat Attributes termsource and termsourceID for legal body references, e.g. repositoryName
	SPECTRUM [none]

Element legalBodyName

Description

Title	Legal Body Name
General	Appellation of the institution or person.

Technical

Tag-name	legalBodyName

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

Element legalBodyWeblink

Description

Title	Legal Body Weblink
General	Weblink of the institution or person referred to as legal body.

Technical

Tag-name	legalBodyWeblink
Attributes	pref; formatResource; xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	recordSource; repositoryName; resourceSource; rightsHolder
Sub-elements	-
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element lido

Description

Title	Wrapper for an object record

Technical

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

Element lidoRecID

Description

Title	LIDO Metadata Record-ID
General	A unique lido record identification preferably composed of an identifier for the contributor and a record identification in the contributor's (local) system.

Technical

Tag-name	lidoRecID
Attributes	pref; type; source; encodinganalog; label
Required?	Yes
Repeatable?	Yes
Super-elements	lido; lido
Sub-elements	-
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element lidoWrap

Description

Title	Wrapper for the whole document
General	Holds one or multiple object records.

Technical	
Tag-name	lidoWrap
Attributes	relatedencoding
Required?	Yes
Repeatable?	No
Super-elements	-
Sub-elements	lido
Equivalents	CDWA Lite cdwaliteWrap
	museumdat museumdatWrap
	SPECTRUM [none]

Element linkResource

Description	
Title	Link Resource
General	A url reference in the worldwide web environment.

Technical	
Tag-name	linkResource
Attributes	codecResource
Required?	Yes
Repeatable?	No
Super-elements	resourceRepresentation
Sub-elements	-
Equivalents	CDWA Lite linkResource
	museumdat linkResource
	SPECTRUM [none]

Element materialsTech

Description	
Title	Materials Technique
General	Materials and techniques data used for indexing.

Technical	
Tag-name	materialsTech
Attributes	-
Required?	No
Repeatable?	No
Super-elements	eventMaterialsTech
Sub-elements	termMaterialsTech; extentMaterialsTech; sourceMaterialsTech
Equivalents	CDWA Lite indexingMaterialsTechSet
	museumdat indexingMaterialsTechSet
	SPECTRUM [none]

Element measurementsSet

Description	
Title	Measurements Set
General	The dimensions or other measurements for one aspect of an object / work (e.g., width).
How to record	May be combined with extent, qualifier, and other sub-elements as necessary. The subelements "measurementUnit", "measurementValue" and "measurementType" are mandatory.

Technical	
Tag-name	measurementsSet
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	objectMeasurements

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

Element measurementType

Description

Title	Measurement Type
General	Indicates what kind of measurement is taken.
How to record	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

Tag-name	measurementType	
Attributes	xml:lang; encodinganalog; label	
Required?	Yes	
Repeatable?	Yes	
Super-elements	measurementsSet; resourceMeasurementsSet	
Sub-elements	-	
Equivalents	CDWA Lite	measurementsSet@type
	museumdat	measurementsSet@type
	SPECTRUM	Dimension; Technical attribute

Element measurementUnit

Description

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

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

Element measurementValue

Description	
Title	Measurement Value
General	The value of the measurement.
How to record	Whole numbers or decimal fractions.

Technical	
Tag-name	measurementValue
Attributes	xml:lang; encodinganalog; label
Required?	Yes
Repeatable?	No
Super-elements	measurementsSet; resourceMeasurementsSet
Sub-elements	-
Equivalents	CDWA Lite measurementsSet@value
	museumdat measurementsSet@value
	SPECTRUM Dimension value

Element nameActorSet

Description	
Title	Name Actor Set
General	A wrapper for name elements.
How to record	if there exists more than one name for a single actor, repeat Name Actor Set.
Notes	Indicates names, appellations, or other identifiers assigned to an individual, group of people, firm or other corporate body, or other entity.

Technical	
Tag-name	nameActorSet
Attributes	-
Required?	Yes
Repeatable?	Yes
Super-elements	actor; actor
Sub-elements	appellationValue; sourceAppellation
Equivalents	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	
Title	Place Name Set
General	The name of the geographic place.
How to record	If there are different names of the same place, e.g. today's and historical names, repeat this element.

Technical	

Tag-name	namePlaceSet
Attributes	-
Required?	No
Repeatable?	Yes
Super-elements	partOfPlace; place; repositoryLocation
Sub-elements	appellationValue; sourceAppellation
Equivalents	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

Title	Nationality Actor
General	National or cultural affiliation of the person or corporate body.
How to record	Preferably taken from a published controlled vocabulary.

Technical

Tag-name	nationalityActor
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	actor; actor
Sub-elements	conceptID; term
Equivalents	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

Title	Object
General	Contains identifying information and links to another object.

Technical

Tag-name	object
Attributes	-
Required?	No
Repeatable?	No
Super-elements	relatedWork; subjectObject; thingPresent
Sub-elements	objectWebResource; objectID; objectNote
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element objectClassificationWrap

Description

Title	Object Classification Wrapper
General	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

Tag-name	objectClassificationWrap
Attributes	-
Required?	Yes
Repeatable?	No
Super-elements	descriptiveMetadata; descriptiveMetadata

Sub-elements	objectWorkTypeWrap; classificationWrap	
Equivalents	CDWA Lite	[none]
	museumdat	objectClassificationWrap
	SPECTRUM	[none]

Element objectDescriptionSet

Description

Title	Description/Descriptive Note Set
General	Wrapper for a description of the object, including description identifer, descriptive note and sources.
How to record	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.
Notes	A reference to a text resource holding the description may be given in description identifier.

Technical

Tag-name	objectDescriptionSet	
Attributes	type; sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	objectDescriptionWrap	
Sub-elements	descriptiveNoteID; descriptiveNoteValue; sourceDescriptiveNote	
Equivalents	CDWA Lite	descriptiveNoteSet
	museumdat	descriptiveNoteSet
	SPECTRUM	[none]

Element objectDescriptionWrap

Description

Title	Object Description/Descriptive Note Wrapper
General	A wrapper for Description/Descriptive Note information.

Technical	
Tag-name	objectDescriptionWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectIdentificationWrap
Sub-elements	objectDescriptionSet
Equivalents	CDWA Lite descriptiveNoteWrap
	museumdat descriptiveNoteWrap
	SPECTRUM [none]

Element objectID

Description	
Title	Object Identifier
General	Unique identifier of the referenced object / work.

Technical	
Tag-name	objectID
Attributes	pref; type; source; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	object
Sub-elements	-
Equivalents	CDWA Lite locRelatedWork@relWorkID
	museumdat locRelatedWork@relWorkID
	SPECTRUM Related object number

Element objectIdentificationWrap

Description	
Title	Object Identification Wrapper
General	A Wrapper for information that identifies the object.

Technical	
Tag-name	objectIdentificationWrap
Attributes	-
Required?	Yes
Repeatable?	No
Super-elements	descriptiveMetadata; descriptiveMetadata
Sub-elements	titleWrap; inscriptionsWrap; repositoryWrap; displayStateEditionWrap; objectDescriptionWrap; objectMeasurementsWrap
Equivalents	CDWA Lite [none]
	museumdat identificationWrap
	SPECTRUM [none]

Element objectMeasurements

Description	
Title	Object Measurement
General	Structured measurement information about the dimensions, size, or scale of the object / work.
Notes	It may also include the parts of a complex object / work, series, or collection.

Technical	
Tag-name	objectMeasurements
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectMeasurementsSet

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

Element objectMeasurementsSet

Description

Title	Object Measurements Set
General	Wrapper for display and index elements for object / work measurements.
How to record	If multiple parts of the object / work are measured repeat this element.

Technical

Tag-name	objectMeasurementsSet	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	objectMeasurementsWrap	
Sub-elements	displayObjectMeasurements; objectMeasurements	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element objectMeasurementsWrap

Description

Title	Object Measurements Wrapper
General	A wrapper for the Measurements.

Technical

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

Element objectNote

Description

Title	Object Note
General	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.
How to record	The information should ideally be generated from fields/elements in the related record.

Technical

Tag-name	objectNote	
Attributes	type	
Required?	No	
Repeatable?	Yes	
Super-elements	object	
Sub-elements	-	
Equivalents	CDWA Lite	labelRelatedWork
	museumdat	labelRelatedWork
	SPECTRUM	Content - object

Element objectPublishedID

Description

Title	Published Object Identifier
General	A unique, published identification of the described object / work.
How to record	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

Tag-name	objectPublishedID	
Attributes	pref; type; source; encodinganalog; label	
Required?	No	
Repeatable?	Yes	
Super-elements	lido; lido	
Sub-elements	-	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element objectRelationWrap

Description

Title	Object Relation Wrapper
General	Wrapper for infomation about related topics and works, collections, etc.
Notes	This includes visual contents and all associated entities the object is about.

Technical

Tag-name	objectRelationWrap
Attributes	-

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

Element objectWebResource

Description

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

Technical

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

Element objectWorkType

Description

Title	Object/Work Type
General	The specific kind of object / work being described.
How to record	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	
Tag-name	objectWorkType
Attributes	type; sortorder
Required?	Yes
Repeatable?	Yes
Super-elements	objectWorkTypeWrap
Sub-elements	conceptID; term
Equivalents	CDWA Lite objectWorkType
	museumdat objectWorkType
	SPECTRUM Object name. (NOTE - data is mapped into the sub-element: term).

Element objectWorkTypeWrap

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

Element partOfPlace

Description	
Title	Part of Geographical Entity
General	Allows for indexing larger geographical entities.

Technical	
Tag-name	partOfPlace
Attributes	politicalEntity; geographicalEntity
Required?	No
Repeatable?	Yes
Super-elements	partOfPlace; place; repositoryLocation
Sub-elements	placeID; namePlaceSet; gml; partOfPlace; placeClassification
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element periodName

Description	
Title	Period
General	A period in which the event happened.
How to record	Preferably taken from a published controlled vocabulary. Repeat this element only for indicating an earliest and latest period delimiting the event.
Notes	Period concepts have delimiting character in time and space.

Technical	
Tag-name	periodName
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	event
Sub-elements	conceptID; term

Equivalents	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

Title	Place
General	Contains structured identifying and indexing information for a geographical entity.

Technical

Tag-name	place	
Attributes	politicalEntity; geographicalEntity	
Required?	No	
Repeatable?	No	
Super-elements	eventPlace; subjectPlace	
Sub-elements	placeID; namePlaceSet; gml; partOfPlace; placeClassification	
Equivalents	CDWA Lite	locationSet [partly]
	museumdat	indexingLocationWrap
	SPECTRUM	[none]

Element placeClassification

Description

Title	Place Classification

General	A classification of the place, e.g. by geological complex, stratigraphic unit or habitat type.
Technical	
Tag-name	placeClassification
Attributes	type
Required?	No
Repeatable?	Yes
Super-elements	partOfPlace; place; repositoryLocation
Sub-elements	conceptID; term
Equivalents	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	
Title	Place Identifier
General	A unique identifier for the place.
How to record	Preferably taken from a published authority file.
Technical	
Tag-name	placeID
Attributes	pref; type; source; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	partOfPlace; place; repositoryLocation
Sub-elements	-
Equivalents	CDWA Lite [none]

	museumdat termsource and termsourceID attributes for nameLocation
	SPECTRUM Place reference number

Element qualifierMeasurements

Description

Title	Qualifier Measurements
General	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.
How to record	Example values: approximate, sight, maximum, larges, smallest, average, variable, assembled, before restoration, before restoration, at corners, rounded, framed, and with base.

Technical

Tag-name	qualifierMeasurements
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	objectMeasurements
Sub-elements	-
Equivalents	CDWA Lite qualifierMeasurements
	museumdat qualifierMeasurements
	SPECTRUM Dimension value qualifier

Element recordID

Description

Title	Record ID
General	A unique record identification in the contributor's (local) system.

Technical

Tag-name	recordID

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

Element recordInfoID

Description

Title	Record Info ID
General	Unique ID of the metadata.
How to record	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

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

Element recordInfoLink

Description

Title	Record Info Link
General	Link of the metadata, e.g., to the object data sheet (not the same as link of the object).

Technical	
Tag-name	recordInfoLink
Attributes	pref; formatResource; xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	recordInfoSet
Sub-elements	-
Equivalents	CDWA Lite recordInfoLink
	museumdat recordInfoLink
	SPECTRUM [none]

Element recordInfoSet

Description	
Title	Record Metadata Information Set
General	Wrapper for metadata information about this record.

Technical	
Tag-name	recordInfoSet
Attributes	type
Required?	No
Repeatable?	Yes
Super-elements	recordWrap
Sub-elements	recordInfoID; recordInfoLink; recordMetadataDate
Equivalents	CDWA Lite recordInfoWrap
	museumdat recordInfoSet
	SPECTRUM [none]

Element recordMetadataDate

Description

Title	Record Metadata Date
General	Creation date or date modified of the metadata record. Format will vary depending upon implementation.

Technical

Tag-name	recordMetadataDate
Attributes	type; source
Required?	No
Repeatable?	Yes
Super-elements	recordInfoSet
Sub-elements	-
Equivalents	CDWA Lite recordMetadataDate
	museumdat recordMetadataDate
	SPECTRUM [none]

Element recordRights

Description

Title	Rights for Record
General	Information about rights regarding the content provided in this LIDO record.

Technical

Tag-name	recordRights
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	recordWrap
Sub-elements	rightsType; rightsDate; rightsHolder; creditLine
Equivalents	CDWA Lite recordRights [partly]

	museumdat recordRights [partly]
	SPECTRUM [none]

Element recordSource

Description

Title	Record Source
General	The source of information in this record, generally the repository or other institution.

Technical

Tag-name	recordSource
Attributes	type; sortorder
Required?	Yes
Repeatable?	Yes
Super-elements	recordWrap
Sub-elements	legalBodyID; legalBodyName; legalBodyWeblink
Equivalents	CDWA Lite recordSource
	museumdat recordSource
	SPECTRUM [none]

Element recordType

Description

Title	Record Type
General	Term establishing whether the record represents an individual item or a collection, series, or group of works.
How to record	Mandatory. Example values: item, collection, series, group, volume, fonds. Preferably taken from a published controlled value list.

Technical

Tag-name	recordType
Attributes	-

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

Element recordWrap

Description

Title	Record Wrapper
General	A wrapper for information about the record that contains the cataloguing information.
Notes	Note that this section does not refer to any object or resource information, but only to the source record.

Technical

Tag-name	recordWrap
Attributes	-
Required?	Yes
Repeatable?	No
Super-elements	administrativeMetadata; administrativeMetadata
Sub-elements	recordID; recordType; recordSource; recordRights; recordInfoSet
Equivalents	CDWA Lite recordWrap
	museumdat recordWrap
	SPECTRUM [none]

Element relatedEvent

Description

Title	Related Event

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

Element relatedEventRelType

Description	
Title	Related Event Relationship Type
General	A term describing the nature of the relationship between the described event and the related event.
How to record	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.
Notes	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	
Tag-name	relatedEventRelType
Attributes	-
Required?	No
Repeatable?	No

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

Element relatedEventSet

Description

Title	Related Event
General	References an event which is linked in some way to this event, e.g. a field trip within which this object was collected.

Technical

Tag-name	relatedEventSet	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	event	
Sub-elements	relatedEvent; relatedEventRelType	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element relatedWork

Description

Title	Related Work
General	Wrapper for the display and reference elements of a related object / work.

Technical

Tag-name	relatedWork

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

Element relatedWorkRelType

Description

Title	Related Work Relationship Type
General	A term describing the nature of the relationship between the object / work at hand and the related entity.
How to record	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.
Notes	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

Tag-name	relatedWorkRelType
Attributes	-
Required?	No
Repeatable?	No

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

Element relatedWorkSet

Description

Title	Related Work Set
General	A wrapper for a object / work, group, collection, or series that is directly related to the object / work being recorded.

Technical

Tag-name	relatedWorkSet	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	relatedWorksWrap	
Sub-elements	relatedWork; relatedWorkRelType	
Equivalents	CDWA Lite	relatedWorkSet [semantically, however the structure is different]
	museumdat	relatedWorkSet [semantically, however the structure is different]
	SPECTRUM	[none]

Element relatedWorksWrap

Description

Title	Related Works Wrapper
General	A wrapper for Related Works information.

Technical

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

Element repositoryLocation

Description

Title	Location
General	Location of the object, especially relevant for architecture and archaeological sites.

Technical

Tag-name	repositoryLocation	
Attributes	politicalEntity; geographicalEntity	
Required?	No	
Repeatable?	No	
Super-elements	repositorySet	
Sub-elements	placeID; namePlaceSet; gml; partOfPlace; placeClassification	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element repositoryName

Description

Title	Custody: Institution / Person

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

Element repositorySet

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

Element repositoryWrap

Description

Title	Custody/Repository Location (Wrapper)
General	Wrapper for Repository/ Location information.

Technical

Tag-name	repositoryWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectIdentificationWrap
Sub-elements	repositorySet
Equivalents	CDWA Lite locationWrap [partly]
	museumdat repositoryWrap [see repositoryName and repositoryLocation]
	SPECTRUM [none]

Element resourceDescription

Description

Title	Resource Description
General	A description of the spatial, chronological, or contextual aspects of the object / work as captured in this particular resource.

Technical

Tag-name	resourceDescription
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	resourceSet
Sub-elements	-
Equivalents	CDWA Lite resourceViewDescription

	museumdat	resourceViewDescription
	SPECTRUM	[none]

Element resourceID

Description

Title	Resource Identification Number
General	The unique numeric or alphanumeric identification of the original (digital or analogue) resource.

Technical

Tag-name	resourceID	
Attributes	pref; type; source; encodinganalog; label	
Required?	No	
Repeatable?	No	
Super-elements	resourceSet	
Sub-elements	-	
Equivalents	CDWA Lite	resourceID
	museumdat	resourceID
	SPECTRUM	[none]

Element resourceMeasurementsSet

Description

Title	Resource Measurement Set
General	Any technical measurement information needed for online presentation of the resource.
How to record	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

Tag-name	resourceMeasurementsSet
Attributes	-

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

Element resourcePerspective

Description

Title	Resource Perspective
General	The specific vantage point or perspective of the view.

Technical

Tag-name	resourcePerspective
Attributes	-
Required?	No
Repeatable?	Yes
Super-elements	resourceSet
Sub-elements	conceptID; term
Equivalents	CDWA Lite resourceViewType
	museumdat resourceViewType
	SPECTRUM [none]

Element resourceRelType

Description

Title	Resource Relationship Type
General	The relationship of the resource to the object / work being described.

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

Element resourceRepresentation

Description	
Title	Resource Representation
General	A digital representation of a resource for online presentation.
How to record	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	
Tag-name	resourceRepresentation
Attributes	type
Required?	No
Repeatable?	Yes
Super-elements	resourceSet
Sub-elements	linkResource; resourceMeasurementsSet
Equivalents	CDWA Lite [none]

museumdat	[none]
SPECTRUM	[none]

Element resourceSet

Description

Title	Resource Set
General	Contains sub-elements for a structured resource description.
Notes	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

Tag-name	resourceSet
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	resourceWrap
Sub-elements	resourceID; resourceRepresentation; resourceType; resourceRelType; resourcePerspective; resourceDescription; ; resourceSource; rightsResource
Equivalents	CDWA Lite resourceSet
	museumdat resourceSet
	SPECTRUM [none]

Element resourceSource

Description

Title	Resource Source

General	Identification of the agency, individual, or repository from which the image or other resource was obtained.
How to record	Include this sub-element when the source of the image/resource differs from the source named in Record Source.

Technical	
Tag-name	resourceSource
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	resourceSet
Sub-elements	legalBodyID; legalBodyName; legalBodyWeblink
Equivalents	CDWA Lite resourceSource
	museumdat resourceSource
	SPECTRUM [none]

Element resourceType

Description	
Title	Resource Type
General	The generic identification of the medium of the image or other resource.
How to record	Preferably using a controlled published value list. Example values: digital image, photograph, slide, videotape, X-ray photograph, negative.

Technical	
Tag-name	resourceType
Attributes	-
Required?	No
Repeatable?	No
Super-elements	resourceSet
Sub-elements	conceptID; term

Equivalents	CDWA Lite	resourceType
	museumdat	resourceType
	SPECTRUM	[none]

Element resourceWrap

Description

Title	Resource Wrapper
General	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

Tag-name	resourceWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	administrativeMetadata; administrativeMetadata
Sub-elements	resourceSet
Equivalents	CDWA Lite	resourceWrap
	museumdat	resourceWrap
	SPECTRUM	[none]

Element rightsDate

Description

Title	Rights Date
General	The date on which a right is or was current.

Technical

Tag-name	rightsDate
Attributes	-
Required?	No

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

Element rightsHolder

Description

Title	Rights Holder
General	The holder of the right.

Technical

Tag-name	rightsHolder	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	recordRights; rightsResource; rightsWorkSet	
Sub-elements	legalBodyID; legalBodyName; legalBodyWeblink	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element rightsResource

Description

Title	Rights for Resource
General	Information about rights regarding the image or other resource.
How to record	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 Instituition (Washing DC), " but the image rights are "Photo Frank Khoury.")

Technical	
Tag-name	rightsResource
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	resourceSet
Sub-elements	rightsType; rightsDate; rightsHolder; creditLine
Equivalents	CDWA Lite rightsResource [partly]
	museumdat rightsResource [partly]
	SPECTRUM [none]

Element rightsType

Description	
Title	Rights Type
General	The specific type of right being recorded.
How to record	For example: copyright, publication right, data protection right, trademark. Preferably taken from a published controlled value list.

Technical	
Tag-name	rightsType
Attributes	-
Required?	No
Repeatable?	Yes
Super-elements	recordRights; rightsResource; rightsWorkSet
Sub-elements	conceptID; term
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM Right type

Element rightsWorkSet

Description

Title	Rights for Work Set
General	Information about rights management; may include copyright and other intellectual property statements about the object / work.

Technical

Tag-name	rightsWorkSet
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	rightsWorkWrap
Sub-elements	rightsType; rightsDate; rightsHolder; creditLine
Equivalents	CDWA Lite rightsWork / rightsResource [semantics of the simple text elements]
	museumdat rightsWork / rightsResource [semantics of the simple text elements]
	SPECTRUM [none]

Element rightsWorkWrap

Description

Title	Rights for Work Wrapper
General	Wrapper for rights information about the object / work described.
Notes	Rights information for the record and for resources is recorded in the respective rights elements recordRights and rightsResource.

Technical

Tag-name	rightsWorkWrap
Attributes	-
Required?	No
Repeatable?	No

Super-elements	administrativeMetadata; administrativeMetadata
Sub-elements	rightsWorkSet
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

Element roleActor

Description

Title	Role Actor
General	Role of the Actor in the event.
How to record	Preferably taken from a published controlled vocabulary.

Technical

Tag-name	roleActor
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	actorInRole
Sub-elements	conceptID; term
Equivalents	CDWA Lite roleCreator
	museumdat roleActor
	SPECTRUM Person's association. (NOTE - data is mapped into the sub-element: term).

Element roleInEvent

Description

Title	Role in Event
General	The role played within this event by the described entity.
How to record	Preferably taken from a published controlled vocabulary.

Technical

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

Element scaleMeasurements

Description

Title	Scale Measurements
General	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).
How to record	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).
Notes	Used for studies, record drawings, models, and other representations drawn or constructed to scale.

Technical

Tag-name	scaleMeasurements	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	objectMeasurements	
Sub-elements	-	
Equivalents	CDWA Lite	scaleMeasurements

	museumdat	scaleMeasurements
	SPECTRUM	[none]

Element shapeMeasurements

Description

Title	Shape Measurements
General	The shape of an object / work. Used for unusual shapes (e.g., an oval painting).
How to record	Example values: oval, round, square, rectangular, and irregular.

Technical

Tag-name	shapeMeasurements	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	objectMeasurements	
Sub-elements	-	
Equivalents	CDWA Lite	shapeMeasurements
	museumdat	shapeMeasurements
	SPECTRUM	[none]

Element sourceAppellation

Description

Title	Source Appellation
General	The source for the appellation, generally a published source.

Technical

Tag-name	sourceAppellation
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes

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

Element sourceDescriptiveNote

Description

Title	Source Description/Descriptive Note
General	The source for the descriptive note, generally a published source.

Technical

Tag-name	sourceDescriptiveNote
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	eventDescriptionSet; inscriptionDescription; objectDescriptionSet
Sub-elements	-
Equivalents	CDWA Lite sourceDescriptiveNote
	museumdat sourceDescriptiveNote
	SPECTRUM [none]

Element sourceMaterialsTech

Description

Title	Source Materials Techniques
General	The source of the information about materials and technique, often used when citing a published source of watermarks.

Technical

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

Element sourceStateEdition

Description

Title	Source Display State/Edition
General	The published source of the state or edition information.

Technical

Tag-name	sourceStateEdition
Attributes	xml:lang; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	displayStateEditionWrap
Sub-elements	-
Equivalents	CDWA Lite sourceStateEdition
	museumdat sourceStateEdition
	SPECTRUM [none]

Element subject

Description

Title	Subject

General	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	
Tag-name	subject
Attributes	type
Required?	No
Repeatable?	No
Super-elements	subjectSet
Sub-elements	extentSubject; subjectConcept; subjectActor; subjectDate; subjectEvent; subjectPlace; subjectObject
Equivalents	CDWA Lite [none]
	museumdat [none]
	SPECTRUM [none]

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

Element subjectConcept

Description

Title	Subject Concept
General	Provides references to concepts related to the subject of the described object / work.
How to record	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

Tag-name	subjectConcept
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	subject
Sub-elements	conceptID; term
Equivalents	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

Title	Subject Date Set

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

Element subjectEvent

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

Element subjectObject

Description

Title	Subject Object
General	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

Tag-name	subjectObject	
Attributes	sortorder	
Required?	No	
Repeatable?	Yes	
Super-elements	subject	
Sub-elements	displayObject; object	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectPlace

Description

Title	Subject Place Set
General	A place depicted in or by an object / work, or what it is about, provided as display and index elements.

Technical

Tag-name	subjectPlace
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	subject
Sub-elements	displayPlace; place

Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectSet

Description

Title	Subject Set
General	Wrapper for display and index elements for one set of subject information.
How to record	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

Tag-name	subjectSet
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	subjectWrap
Sub-elements	displaySubject; subject
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element subjectWrap

Description

Title	Subject Wrapper
General	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	
Tag-name	subjectWrap
Attributes	-
Required?	No
Repeatable?	No
Super-elements	objectRelationWrap
Sub-elements	subjectSet
Equivalents	CDWA Lite indexingSubjectWrap [partly]
	museumdat indexingSubjectWrap [partly]
	SPECTRUM [none]

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

Element termMaterialsTech

Description

Title	Concept Materials Techniques
General	A concept to index materials and/or technique.
How to record	Preferably taken from a published controlled vocabulary.

Technical

Tag-name	termMaterialsTech
Attributes	type; sortorder
Required?	No
Repeatable?	Yes
Super-elements	materialsTech
Sub-elements	conceptID; term
Equivalents	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

Title	Thing Present
General	References another object that was present at this same event.

Technical

Tag-name	thingPresent
Attributes	sortorder
Required?	No
Repeatable?	Yes
Super-elements	event

Sub-elements	displayObject; object	
Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Element titleSet

Description

Title	Title or Object Name Set
General	Wrapper for one title or object name and its source information.
How to record	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.
Notes	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

Tag-name	titleSet	
Attributes	type; sortorder	
Required?	Yes	
Repeatable?	Yes	
Super-elements	titleWrap	
Sub-elements	appellationValue; sourceAppellation	
Equivalents	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

Title	Title or Object Name Wrapper

General	Wrapper for Object name / Title information.

Technical	
Tag-name	titleWrap
Attributes	-
Required?	Yes
Repeatable?	No
Super-elements	objectIdentificationWrap
Sub-elements	titleSet
Equivalents	CDWA Lite titleWrap
	museumdat titleWrap
	SPECTRUM [none]

Element vitalDatesActor

Description	
Title	Vital Dates Actor
General	The lifespan of the person or the existence of the corporate body or group.
How to record	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 unambigous identification of individuals. The type attribute of earliest and latest date may specify for indiviudals, if birth and death dates or if dates of activity are recorded. Data values for type attribute may include: birthDate, deathDate, estimatedDate.

Technical	
Tag-name	vitalDatesActor
Attributes	-
Required?	No
Repeatable?	No

Super-elements	actor; actor
Sub-elements	earliestDate; latestDate
Equivalents	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

Title	Custody: Identification number
General	An unambiguous numeric or alphanumeric identification number, assigned to the object by the institution of custody.

Technical

Tag-name	workID
Attributes	type; sortorder; encodinganalog; label
Required?	No
Repeatable?	Yes
Super-elements	repositorySet
Sub-elements	-
Equivalents	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	
How to record	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	
Attribute name	addedSearchTerm
Used in elements	term;
Equivalents	CDWA Lite [none]
	museumdat @imported
	SPECTRUM [none]

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

Attribute encodinganalog	
Description	
How to record	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	
Attribute name	encodinganalog
Used in elements	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;
Equivalents	CDWA Lite [none]
	museumdat encodinganalog
	SPECTRUM [none]

Attribute formatResource

Description	
General	Indicates the internet media type, e.g. the file format of the given web resource.
How to record	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	
Attribute name	formatResource
Used in elements	recordInfoLink; legalBodyWeblink; objectWebResource
Equivalents	CDWA Lite formatResource
	museumdat formatResource
	SPECTRUM [none]

Attribute geographicalEntity

Description	
General	Qualifies the type of the given place entity according to geographical structures.
How to record	Data values can include: natural environment, landscape.

Technical	
Attribute name	geographicalEntity
Used in elements	repositoryLocation; place; partOfPlace;
Equivalents	CDWA Lite [none]
	museumdat geographicalEntity
	SPECTRUM Place feature type

Attribute label

Description	
How to record	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	
Attribute name	label
Used in elements	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;

Equivalents	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	
General	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	
Attribute name	relatedencoding
Used in elements	lidoWrap; lido;
Equivalents	CDWA Lite [none]
	museumdat museumdatWrap@relatedencoding
	SPECTRUM [none]

Attribute sortorder	
Description	
General	Assigns a priority order for online presentation of the element.
How to record	Has to be a positive integer, with descending priority from 1 to x.
Technical	
Attribute name	sortorder
Used in elements	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;

Equivalents	CDWA Lite	[none]
	museumdat	[none]
	SPECTRUM	[none]

Attribute source

Description

General	Source of the information given in the holding element.

Technical

Attribute name	source
Used in elements	recordMetadataDate; recordID; recordInfoID; resourceID; eventID; legalBodyID; descriptiveNoteID; placeID; conceptID; actorID; objectID; lidoRecID; objectPublishedID; earliestDate; latestDate;
Equivalents	CDWA Lite termsource
	museumdat termsource
	SPECTRUM Unit of information scheme

Attribute type

Description

General	Qualifies the type of information given in the holding element.
How to record	Will generally have to be populated with a given value list.

Technical

Attribute name	type
Used in elements	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;	
Equivalents	CDWA Lite	type
	museumdat	type
	SPECTRUM	[none]