

Lightweight Information Describing Objects

LIDO v1.1

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&
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CIDOC LIDO Working Group

LIDO – Lightweight Information Describing Objects

What's new in LIDO v1.1?

- Question time

LIDO Terminology Recommendation

- Question time

LIDO Profiles

LIDO & Linked Open Data

Discussion

Links

<https://pad.gwdg.de/RlikcUEKQbeasJq0LNzGIA#>



LIDO

Lightweight Information Describing Objects

- **XML schema** for sharing metadata in repositories and online services
- Integrates and extends **CDWA Lite** with **CIDOC-CRM** elements
- Defines an explicit **format for providing (museum) object information** in a standardized form
- Intended to represent the **full range of descriptive information about museum objects**, e.g. art, cultural, technology and natural science.
- It supports **multilingual** environments.

<https://lido-schema.org>

- Documents:
- [What is new in LIDO v1.1?](#)
 - [LIDO v1.1 example records](#)
 - [LIDO Terminology Recommendation \(HTML\)](#)
 - [More materials on LIDO version 1.1 will follow](#)



Information areas

LIDO Record Identifier (mandatory)

DESCRIPTIVE METADATA

Object Classifications

- Object / Work Type (mandatory)
- Classification

Object Identifications

- Title / Name (mandatory)
- Inscriptions
- Repository / Location
- State / Edition
- Object Description
- Measurements

Events

- Event Set

Relations

- Subject Set
- Related Works

ADMINISTRATIVE METADATA

Rights

Record (mandatory)

Resource



Mandatory Elements

LIDO Record Identifier (mandatory)

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ADMINISTRATIVE METADATA

Rights

Record (mandatory)

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Basic structure

Basic structure

LIDO Element

Display
Index

ID

Name Set

other sub-elements

e.g.

LIDO Actor

displayActor

actor

actorID

nameActorSet

vitalDatesActor ...

XSD complexType
lido:actor

Basic structure

actorComplexType

Description

Defines identifying and indexing information about an actor.

type attribute

An attribute indicating whether the actor is an individual *person* or a *group of persons*, such as a an *organization* or a *family*.

Structure

Sequence

actorID

owl:sameAs as defined in OWL namespace

nameActorSet (required)

nationalityActor

vitalDatesActor

vitalPlaceActor

genderActor

actorComplexType

Event

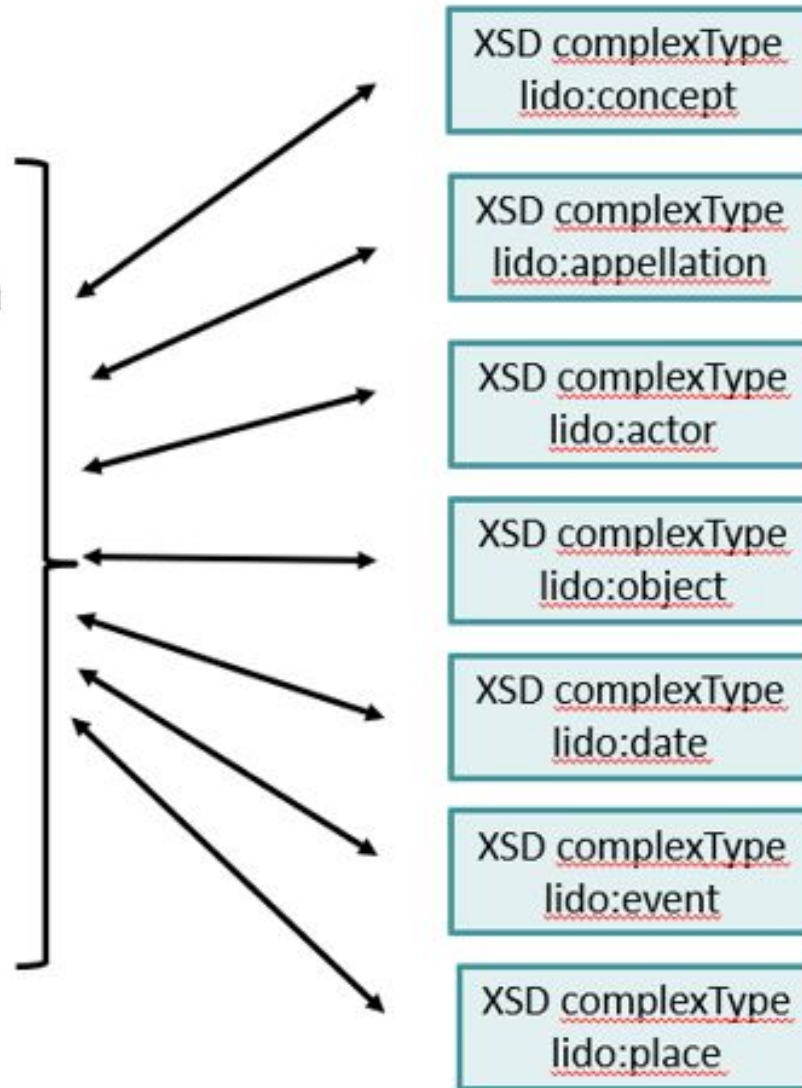
[actor \(in actorInRoleComplexType\)](#)

Object Relations / Subject

[actor \(in actorSetComplexType\)](#)

Basic structure

- 1. Descriptive Metadata
 - I. Object Classification
 - II. Object Identification
 - III. Events
 - IV. Object Relations
- 2. Administrative Metadata
 - I. Rights
 - II. Record
 - III. Resource



LIDO Record Identifier (mandatory)

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Object Identifications

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- Measurements

Events

- Event Set

Relations

- Subject Set
- Related Works

ADMINISTRATIVE METADATA

Rights

Record (mandatory)

Resource

- Event Identifier
- Event Type
- Role in Event
- Event Name
- Event Actor
- Culture
- Event Date
- Period
- Event Place
- Event Method
- Materials / Technique
- Thing Present
- Event Related
- Event Description

title: **The Honeysuckle Bower**

event

eventType **Production**

eventActor

actor

nameActor **Rubens, Peter Paul**

roleActor **painters (artist)**

eventDate

earliestDate **1609**

latestDate **1610**

eventMaterialsTech

termMaterialsTech **Ölfarbe**

termMaterialsTech **Leinwand**

termMaterialsTech **Eichenholz**

event

eventType **Exhibition**

eventPlace

displayPlace

Alte Pinakothek, München, OG Saal VII (Rubens-Saal)

place

namePlace **Alte Pinakothek**

partOfPlace

namePlace **München**

event

eventType **Acquisition**

eventDate

earliestDate **1806**

latestDate **1806**



Peter Paul Rubens,
Rubens und Isabella
Brant in der
Geißblattlaube, um
1609/10, Bayerische
Staatsgemäldesammlu
ngen - Alte Pinakothek,
München, URL:
[https://www.sammlung.
pinakothek.de/de/artwo
rk/o5xrMEr47X](https://www.sammlung.pinakothek.de/de/artwork/o5xrMEr47X) (Zuletzt
aktualisiert am
17.05.2020)



LIDO – Background and history

CDWA Categories for the Description of Works of Art

set of guidelines for the description of art, architecture, and other cultural works

CIDOC-CRM Conceptual Reference Model

formal domain ontology for cultural heritage information

Spectrum

collections management standard



History

2006

The harvesting format CDWA Lite is published

2007

Generalization into museumdat to be applicable for all kinds of objects

2008

CDWA Lite / museumdat Working Group:
Aims at establishing one common, single schema

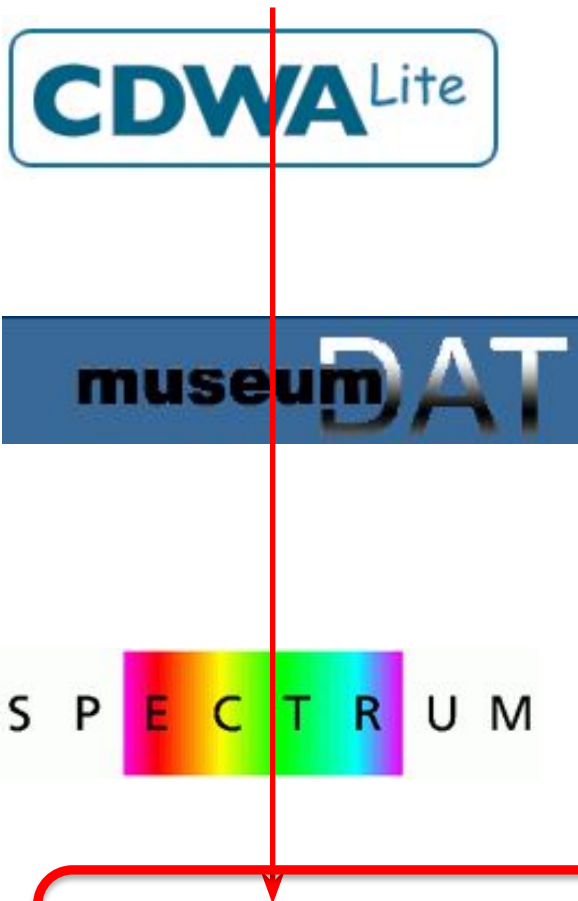
2009

ATHENA Project: SPECTRUM community joins
CIDOC Working Group established

2010

LIDO v1.0

Release during ICOM-CIDOC Conference



2010

Release v1.0 during ICOM-CIDOC Conference

2014

LIDO Terminology Working Group

2016

Release of first set of LIDO Terminology

2017

Requirements for LIDO follow-up version

2019

KONDA project allows for further development

2020

LIDO v1.1 Public beta release at CIDOC Conference



LIDO v1.1 –
Released in December 2021!



LIDO v1.1 –
Backwards compatible with v1.0!

LIDO v1.1 XML Schema Definition (XSD):

www.lido-schema.org/schema/v1.1/lido-v1.1.xsd

LIDO v1.1 Documentation (HTML):

www.lido-schema.org/schema/v1.1/lido-v1.1.html

What is new in LIDO v1.1?

LIDO v1.1 example records

LIDO Terminology Recommendation (HTML)

```

-<lido:lido xsi:schemaLocation="http://www.lido-schema.
+<!-->
  <lido:lidoRecID lido:source="Deutsches Dokumentati
  obj00154983</lido:lidoRecID>
  <lido:objectPublishedID lido:type="http://terminology
  primavera</lido:objectPublishedID>
  <lido:objectPublishedID lido:type="http://terminology
+<lido:category></lido:category>
-<lido:descriptiveMetadata xml:lang="de">
  -<lido:objectClassificationWrap>
    -<lido:objectWorkTypeWrap>

```

LIDO v1.1 Example

http://www.lido-schema.org/documents/examples/LIDO-v1.1-Example_FMobj00154983-LaPrimavera.xml

```

-<lido:classification lido:type="http://terminolog
  <lido:conceptID lido:type="http://terminolog
  Thesaurus">48835800</lido:conceptID>
  <lido:term lido:pref="http://terminology.lido.
  <lido:term lido:pref="http://terminology.lido.
  </lido:classification>
</lido:classificationWrap>

```



LIDO v1.1 Example

Peter Paul Rubens and Isabella Brant in the
Honeysuckle Bower

<https://doi.org/10.11588/data/CHEPS6/FQ3GP5>
(LIDO Profile Painting & Sculpture)



What's new in LIDO v1.1?

What's new in LIDO v1.1?

- HTML Documentation revised and extended
- New elements and attributes
- Content model extension
- New namespaces
- LIDO goes Gitlab
- Schematron
- LIDO Terminology Recommendation



LIDO v1.1 Documentation (HTML)

<http://lido-schema.org/schema/v1.1/lido-v1.1.html>

XSD complex types

actorComplexType

Description

Defines identifying and indexing information about an actor.

type attribute

An attribute indicating whether the actor is an individual *person* or a *group of persons*, such as a an *organization* or a *family*.

**Revised and extended
descriptions**

Structure

Sequence

actorID
owl:sameAs as defined in OWL namespace
nameActorSet (required)
nationalityActor
vitalDatesActor
vitalPlaceActor
genderActor

Technical information

Attributes

type

Used for

actor (in actorInRoleComplexType)
actor (in actorSetComplexType)

Data values

—



Lightweight Information Describing Objects

LIDO v1.1
Documentation
(HTML)

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Tree view

complexTypees ▲

actorComplexType

actorInRoleComplexType

actorInRoleSetComplexType

actorSetComplexType

administrativeMetadataComplexType

appellationComplexType

conceptComplexType

conceptMixedComplexType

dateComplexType

dateSetComplexType

descriptiveMetadataComplexType

descriptiveNoteComplexType

eventComplexType

eventSetComplexType

gmlComplexType

identifierComplexType

legalBodyRefComplexType

lidoComplexType

materialsTechComplexType

XSD complex types

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Technical information

Attributes

type

Used for

actor (in actorInRoleComplexType)
actor (in actorSetComplexType)

Data values

—

Refined presentation

<earliestDate>

Description

An index element for the expression of an exact or estimated date, for instance

type attribute

An attribute for the kind of earliest date, whether it is *exact* or *estimated*.

Additional information

Further information

References and further
reading

CDWA Definitions 4. CREATION
CDWA Guidelines 4.2.1. Earliest Date

Terminology/Format
recommendation

For the element:
ISO 8601: Representation of dates and times.

For the type attribute:
LIDO Terminology for Type of Earliest Date

<earliestDate>

Description

An index element for the expression of an exact or estimated date, for instance

type attribute

An attribute for the kind of earliest date, whether it is *exact* or *estimated*.

Further information

References and further
reading

CDWA Definitions 4. CREATION
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LIDO Terminology for Type of Earliest Date

**Accompanying Terminology
Recommendation document**

Hierarchical navigation

Tree view

Below the LIDO XML structure can be explored in a hierarchical view. Please note that this view starts at the administrative and descriptive metadata level. The LIDO root element must still be specified.

Expand all Collapse all

- ▼ descriptiveMetadata
- ▼ objectClassificationWrap
- ▼ objectWorkTypeWrap
- ▼ objectWorkType
 - skos:Concept
 - conceptID
 - term
- ▼ classificationWrap
- ▼ classification
 - skos:Concept
 - conceptID
 - term

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[LIDO Terminology
\(xTree,public\)](#)

[lido-schema.org](#)

LIDO v1.1 New elements/attributes

<https://cidoc.mini.icom.museum/working-groups/lido/lido-overview/about-lido/what-is-new-1-1/new-elements/>

Criteria for extensions

- Requirement is generic and in the scope of LIDO v1.0
- Suggestion is based upon a known use case from practical LIDO applications
- Suggestion requires modification of the schema, e.g. there is no way to express the information in the LIDO v1.0 schema
- Suggestion can be implemented in a backwards compatible way with LIDO v1.0

LIDO v1.1

New elements and attributes

New attributes

measurementsGroup	An attribute to indicate the group of measurements given in multiple Measurements Set elements. Of relevance for the EODEM application profile.
mostNotableEvent	An attribute introduced to qualify an event as the most notable or significant one according to the describing institution.

New elements

applicationProfile	An identifier for a LIDO application profile that has been developed by an institution or project.
collection	A Set of elements for the collection the object/work in focus is gathered into, introduced to enable an unambiguous reference to a collection.
displayRelatedWork	A free text element to present information about a related object/work in a syntax suitable for display to the end-user, including any necessary nuance.
displayRepository	A free text element to present information about the institution of custody in a syntax suitable for display to the end-user, including any necessary nuance.
eventObjectsMeasurements	A set of elements to describe measurements, of an object/work with respect to an event, complementing the element Object Measurements as defined in LIDO Version 1.0.
objectDescriptionRights	A set of elements to allow for setting separate rights information for the object description.
objectMaterialsTechSet	A set of elements to describe materials and techniques as detected in an object/work at hand, complementing the element Event/Materials Techniques as defined in LIDO Version 1.0.
objectMaterialsTechWrap	A wrapper element to hold a set of elements describing materials and techniques as detected in an object/work.
sourceActorInRole	A text element identifying the source of the provided information about an actor and the role or attribution of this actor related to the event in focus.
vitalPlaceActor	An index element for places relevant to the biography or history of an actor, introduced to enable data enrichment from secondary sources.

<https://cidoc.mini.icom.museum/working-groups/lido/lido-overview/about-lido/what-is-new-1-1/new-elements/>

New elements (and why they have been introduced)

- **applicationProfile:** Serves as an identifier for a LIDO application profile which has been developed by an institution or project.
- **conceptElementsSet:** Increases the schema's modularity.
- **displayRelatedWork:** A display element displayRelatedWork for the relatedWorkSet allows for transferring specific relationship information for presentation purposes while for the actual relationship type element (lido:relatedWorkRelType) terms from the LIDO Terminology should be used.
- **displayRepository:** A free-text description for designation of the institution of custody and, possibly, a descriptive indication of the exact location of the object while for repositoryName and repositoryLocation authorities should be used.
- **eventObjectMeasurements:** Indicates the dimensions or other measurements of the object/work as determined with respect to the described event, for instance a part addition or removal.
- **objectDescriptionRights:** Allows for setting separate rights information for the object description.
- **objectMaterialsTechSet/objectMaterialsTechWrap:** Allows for materials/technique information (meant like a physical characteristic of the object) outside of events.
- **sourceActorInRole:** Allows for providing source information about an actor in a certain role.
- **sourceRelatedWorkSet:** Allows for providing source information about a related work.
- **sourceRepositorySet:** Allows for providing source information about a current or former repository.
- **textAttributesSet:** Increases the schema's modularity.
- **vitalPlaceActor:** Allows for providing the birth/death/activity place of an actor.

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LIDO v1.1

New attributes

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New elements – Question time



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LIDO v1.1 – Content model extension

LIDO v1.1

conceptMixedComplexType

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[LIDO Schema \(XSD\)](#)

[LIDO Terminology
\(xTree.public\)](#)

[lido-schema.org](#)

conceptMixedComplexType

Description

Defines mixed content. Allows either elements as defined in [Concept complex type](#) or simple text as described in [Text complex type](#).
Note that these types are mutually exclusive.

Structure

Sequence	skos:Concept as defined in SKOS namespace conceptID term
----------	--

Technical information

Attributes	xml:lang encodinganalog label
Used for	attributionQualifierActor extentActor extentMaterialsTech extentMeasurements extentSubject formatMeasurements genderActor measurementType measurementUnit qualifierMeasurements scaleMeasurements shapeMeasurements

Data values

–

Content model extended
**from free text elements
to controlled terms** where
appropriate

LIDO v1.1

conceptMixedComplexType

`<lido:measurementType>width</lido:measurementType>`

`–<lido:measurementType>`

`–<skos:Concept rdf:about="http://www.wikidata.org/wiki/Q208826">`

`<skos:prefLabel xml:lang="en">height</skos:prefLabel>`

`<skos:prefLabel xml:lang="de">Höhe</skos:prefLabel>`

`<skos:mappingRelation>http://vocab.getty.edu/aat/300055644</skos:mappingRelation>`

`</skos:Concept>`

`</lido:measurementType>`

LIDO v1.1

conceptMixedComplexType

Used for

attributionQualifierActor
extentActor
extentMaterialsTech
extentMeasurements
extentSubject
formatMeasurements
genderActor
measurementType
measurementUnit
qualifierMeasurements
scaleMeasurements
shapeMeasurements

LIDO v1.1 – New namespaces

<https://cidoc.mini.icom.museum/working-groups/lido/lido-overview/about-lido/what-is-new-1-1/namespaces/>

Embedding of skos:Concept from the SKOS namespace to enable a seamless and lossless representation of authority data within a LIDO record.

Recommendation

3. The skos:Concept Class

3.1. Preamble

skos:Concept is the class of SKOS concepts.

conceptMixedComplexType

Description

Defines mixed content.
Note that the

Structure

Sequence

```
<lido:measurementType>
  <skos:Concept rdf:about="http://www.wikidata.org/wiki/Q208826">
    <skos:prefLabel xml:lang="en">height</skos:prefLabel>
    <skos:prefLabel xml:lang="de">Höhe</skos:prefLabel>
    <skos:mappingRelation>http://vocab.getty.edu/aat/300055644</skos:mappingRelation>
  </skos:Concept>
</lido:measurementType>
```

skos:Concept as defined in SKOS namespace
conceptID
term

[KOS-PRIMER](#) for more examples of identifying and describing

unit of thought

the concept

representation

The sameAs property from the Web Ontology Language namespace is used to express that two named entity identifiers refer to the same individual in the real world.

5.2.1 owl:sameAs

The built-in OWL property [owl:sameAs](#) links an individual to an individual. Such an

owl:sameAs thing:

```

<lido:actor lido:type="http://terminology.lido-schema.org/lido00163">
  <lido:actorID lido:type="http://terminology.lido-schema.org/lido00099">http://vocab.getty.edu/ulan/500002921</lido:actorID>
  <owl:sameAs>http://www.wikidata.org/entity/Q5599</owl:sameAs>
</lido:nameActorSet>
  <lido:appellationValue lido:pref="http://terminology.lido-schema.org/lido00169" xml:lang="de">Rubens, Peter Paul</lido:appellationValue>
  <lido:appellationValue lido:pref="http://terminology.lido-schema.org/lido00526">Peter Paul Rubens</lido:appellationValue>
</lido:nameActorSet>
  
```

In OWL Full, where a class can be treated as instances of (meta)classes, we can use the owl:sameAs construct to define class equality, thus indicating that two concepts have the same intensional meaning. An example:

LIDO v1.1 – Schematron

Quality assurance mechanism
based on Schematron introduced

LIDO v1.1
Documentation
(HTML)

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ComplexType allows only owl:sameAs from OWL namespace

Either free text or index element

Possible values for lido:rightsType@lido:type

Values for rightsType@type

conceptComplexType allows only skos:Concept from SKOS namespace

lido:collection must contain lido:objectName

skos:Concept allows only SKOS properties

[LIDO Terminology Recommendation \(HTML\)](#)

[LIDO Schema \(XSD\)](#)

Schematron rules

ComplexType allows only owl:sameAs from OWL namespace

Rule ID

sch_OWL

Description

Asserts that only owl:sameAs and not any other property or class from equivalence in instances of LIDO elements contained in actorComplex objectComplexType, placeComplexType, rightsHolderComplexType.

Rule

not(owl:*[not(self::owl:sameAs)])

Error or warning thrown

Only owl:sameAs should be used as embedded property of [the element]

Schematron rules ▲

ComplexType allows only owl:sameAs from OWL namespace

Either free text or index element

Possible values for lido:rightsType@lido:type

Values for rightsType@type

conceptComplexType allows only skos:Concept from SKOS namespace

lido:collection must contain lido:objectName

skos:Concept allows only SKOS properties

```

-<sch:pattern>
  <sch:title>Either free text or index element</sch:title>
  <sch:p>
    In LIDO v1.1 some text elements are extended to
    <tei:ref target="#conceptComplexType">conceptComplexType</tei:ref>
    in order to foster controlled indexing in the future. To enable backwards compatibility either elements of
    <tei:ref target="#textComplexType">textComplexType</tei:ref>
    or elements of
    <tei:ref target="#conceptComplexType">conceptComplexType</tei:ref>
    are allowed. Note that the elements are defined to be mutually exclusive.
  </sch:p>
  <sch:rule abstract="true" id="sch_MixedContent">
    <sch:assert role="fatal" test="(skos:Concept or lido:conceptID or lido:term) and not(text()[not(normalize-space(.)
    = ")] or @xml:lang or @lido:encodinganalog or @lido:label) or (text()[normalize-space(.) != "]) and
    not(skos:Concept or lido:conceptID or lido:term)) or (not(*) and (not(text()) or normalize-space(.) = ")) ">
      Asserts that either an element based on
      <tei:ref target="#textComplexType">textComplexType</tei:ref>
      or an element based on
      <tei:ref target="#conceptComplexType">conceptComplexType</tei:ref>
      is used for
      <sch:name/>
      , but not both at the same time.
    </sch:assert>
  </sch:rule>
</sch:pattern>

```



LIDO v1.1 – LIDO goes GitLab

<https://gitlab.gwdg.de/lido/development>

LIDO v1.1 – LIDO Terminology Recommendation

- LIDO Terminology
- Further Terminology Recommendations

[LIDO Terminology Recommendation \(HTML\)](#)

What's new in LIDO v1.1?

- HTML Documentation revised and extended
- New elements and attributes
- Content model extension
- New namespaces
- LIDO goes Gitlab
- Schematron
- LIDO Terminology Recommendation

QUESTION TIME!

LIDO Terminology Recommendation

- LIDO Terminology
- Further Terminology Recommendations

[LIDO Terminology Recommendation \(HTML\)](#)

LIDO Terminology Recommendation

- **Accompanying document with terminology recommendations** allows for dynamic extension
- **Extended LIDO Terminology**
 - for existing elements and attributes, e.g. for properly referencing IIF resources through resource representation type
 - for new elements and attributes, e.g. for the related work relationship type or the collection element



LIDO Terminology Recommendation

LIDO Terminology Recommendation

Navigation

[top](#)

[elements](#) ▼

[attributes](#) ▼

[LIDO v1.1 Documentation \(HTML\)](#)

[LIDO Schema \(XSD\)](#)

[LIDO Terminology \(xTree.public\)](#)

[lido-schema.org](#)

LIDO Terminology Recommendation

The Terminology Recommendation document is part of the LIDO accompanying documents. For a number of schema elements and attributes, it contains links to recommended terms from the [LIDO Terminology](#), or suggests the usage of descriptors from other linked open vocabularies, such as the [Art & Architecture Thesaurus \(AAT\)](#), [Union List of Artist Names \(ULAN\)](#), or [Wikidata](#) items.

The Art & Architecture Thesaurus® is the most elaborate and reliable source for indexing in the cultural heritage domain. Therefore, whenever possible, a link to suitable AAT terms for a LIDO element or attribute is provided. The link leads to the top-most concept of an AAT hierarchy serving as an access point to a list of appropriate subordinate descriptors that can be perused. AAT vocabulary items referenced by their URI are suitable for processing in any Linked Data application or environment.

The Terminology Recommendation document complements terminology or format proposals in the set of Getty Editorial Guidelines, including [Categories for the Description of Works of Art \(CDWA\)](#), and [Cataloging Cultural Objects \(CCO\)](#).

LIDO was originally introduced for the purpose of harvesting and merging metadata from local catalogs. The release of these terminology recommendations addresses the difficulties arising from a lack of alignment between users of the LIDO schema. To this end, the principal goal of the terminology recommendations is to achieve consistency in indexing not only within an institution, but also across portals and aggregators.

Such consistency is expected to have a profound impact on retrieval quality with respect to both recall and precision, and on the reliability of search results in general.

<http://lido-schema.org/documents/terminology-recommendation.html>



LIDO Terminology Recommendation

LIDO
Terminology
Recommendation

Navigation

top

elements ▲

attributionQualifierActor

category

classification

culture

eventActor

eventMethod

eventPlace

eventType

extentActor

extentMaterialsTech

relatedWorkRelType

[Go to the schema documentation for relatedWorkRelType](#)

Terminology recommendations

For the [Related Work Relationship Type](#) element choose a LIDO Term URI from the [Related Work Relationship Type Vocabulary](#).
LIDO Terminology

repositoryName

[Go to the schema documentation for repositoryName](#)

Terminology recommendations

For the [Repository Name](#) element choose a concept URI from the [ISIL- and Library Codes Agency](#) or a linked open authority file aggregated in [VIAF](#), or in [Wikidata](#).
other linked open vocabularies

<http://lido-schema.org/documents/terminology-recommendation.html>

LIDO Terminology



CIDOC

ICOM International Committee for
Documentation

Overview

Archaeological Sites

Co-reference

CRM (Conceptual Reference
Model)

Digital Preservation

Digital Strategy Development

Documentation Standards

DCMI



ICOM member access

En ▼

Join ICOM

ICOM

international
council
of museums



Terminology

- **LIDO Terminology** supplements LIDO specification with controlled vocabulary for specific LIDO elements and attributes
- Available as LOD Service
 - Webinterface: <http://terminology.lido-schema.org/>
 - SPARQL: <http://terminology.lido-schema.org/sparql>
 - Documentation

Go to [LOD Interface](#)

What is in the LIDO Terminology?

LIDO Terminology

- aims to improve interoperability
- supports:
 - Data production and indexing
 - Data mappings
 - Portal functionalities
 - LOD publication

Avoiding "LIDO dialects"

LIDO Terminology

LIDO Terminology

Person: <http://terminology.lido-schema.org/lido00163>

Organization: <http://terminology.lido-schema.org/lido00413>

```
—<lido:actorInRole> ...  
—<lido:actor lido:type="http://terminology.lido-schema.org/lido00163">  
  <lido:actorID lido:source="Bildindex-KUE-Datei"  
    lido:pref="http://terminology.lido-schema.org/lido00170"  
    lido:type="http://terminology.lido-schema.org/lido00100">per  
    11002142</lido:actorID>
```

LIDO Terminology

URI: <http://terminology.lido-schema.org/lido00099>

Local Identifier: <http://terminology.lido-schema.org/lido00100>

...

LIDO Terminology @type (attribute)

http://terminology.lido-schema.org/actor_type

[LIDO homepage](#) [LIDO vocabularies](#) [Settings](#)

Selected vocabulary: **LIDO-Terminologie** [Info](#)

- actor_type (en)
 -  Fictitious actor (en)
 -  Group of persons (en)
 -  Family (en)
 -  Organization (Group of persons) (en)
 -  Person (en)
- + category (en)
- + classification_type (en)
- + earliestDate_type (en)
- + eventDescriptionSet_type (en)
- + eventPlace_type (en)
- + eventType (en)
- + genderActor (en)
- + genderActor_type (en)
- + identifier_type (en)
- + latestDate_type (en)
- + nationalityActor_type (en)
- + objectDescriptionSet_type (en)
- + objectMeasurementsSet_type (en)
- + objectType (en)

Details: actor_type (en)

Persistent URI

http://terminology.lido-schema.org/actor_type

Type

LIDO Vocabulary

Status

 Finalized

Label

actor_type	Preferred	en
Actor Type-Vocabulary	Alternative	en

Definition (en)

The LIDO **Actor Type-Vocabulary** is a structured controlled list of terms recommended to use as values for the type attribute of the LIDO **Actor**  element for identifying and indexing information about an actor with role statement. The **type attribute** indicates whether the actor is an individual *person* or a *group of persons*, such as an *organization* or a *family*.

Last modified

2022-05-06

Created

LIDO Terminology relatedWorkRelType (element)

- + recordMetadataDate_type (en)
- + recordType (en)
- relatedWorkRelType (en)
 - +  Associative relationships (en)
 -  Hierarchical relationships (en)
 -  Hierarchical whole-part relationships (en)
 -  has or had part (en)
 -  had formerly part (en)
 -  has part (en)
 -  has conceptual part (en)
 -  is broader conceptual context for (en)
 -  has physical part (en) 
 -  Instance relationships (en)
 -  is example of (en)
 -  is exemplified by (en)
- + repositorySet_type (en)
- + resourceRepresentation_type (en)
- + rightsType_type (en)

Details: has physical part (en)

Persistent URI

<http://terminology.lido-schema.org/lido00256> [copy URI](#) [RDF](#) [JSON](#) [NT](#) [TriG](#) [Turtle](#)

Type

LIDO Term

In Vocabulary

<http://terminology.lido-schema.org/relatedWorkRelType>

Status

 Finalized

Label

has physical part	Preferred	en
has as part physical object	Alternative	en
is composed of (Physical object)	Alternative	en
hat physischen Teil	Preferred	de
hat als Teil physisches Objekt	Alternative	de
hat Teil (physisch)	Alternative	de

Broader

[has part \(en\) \(lido00573\)](#)

Associated with

inverse of	is physical part of (lido00255)
distinguished from	has conceptual part (lido00571)
related to	Item-level record (lido00141)

Definition (de)

has physical part, as a value for the LIDO [Related Work Relationship Type](#) element, designates an asymmetric, hierarchical whole-part relationship between a

Further Terminology Recommendations



Lightweight Information Describing Objects

Terminology Recommendations

extentMaterialsIech

extentMeasurements

extentSubject

formatMeasurements

genderActor

measurementType

measurementUnit

nationalityActor

objectType

objectWorkType

periodName

place

placeClassification

qualifierMeasurements

recordType

relatedWorkRelType

repositoryName

resourcePerspective

resourceType

rightsType

periodName

[Go to the schema documentation for periodName](#)

Terminology recommendations

For the [Period/Style](#) element choose a concept URI from the [Styles and Periods](#) hierarchy of the Art & Architecture Thesaurus, or another linked open vocabulary.

See also recommendations in [CDWA 5.2. Styles/Periods Indexing Terms – TERMINOLOGY/FORMAT](#)

place

[Go to the schema documentation for place](#)

Terminology recommendations

For the [Place](#) element choose a concept URI from a linked open authority files, for example, one of those aggregated in [VIAF](#) or in [Wikidata](#).

See also recommendations in [CDWA 29. Place/Location Authority – TERMINOLOGY/FORMAT](#)

<http://lido-schema.org/documents/terminology-recommendation.html>

LIDO Terminology Recommendation

- LIDO Terminology
- Further Terminology Recommendations

[LIDO Terminology Recommendation \(HTML\)](#)

QUESTION TIME!



LIDO Profiles

LIDO Profiles

LIDO Profiles are connected with specific use cases and may consist of

- Further mandatory elements
- „Mandatory if available“-Recommendations
- Restrictions which elements to use
- Terminology recommendations
- Extensions of provided LIDO Terminology

But always have to be compliant with the schema!

LIDO Profiles

LIDO Profiles currently in development:

- EODEM
- Painting and Sculpture
- Quality Assurance

May 22 16:00-17:30 (EET) / 15:00-16:30 (CET)

LIDO Profiles

Registration:

<https://events.gwdg.de/e/CIDOC-WG-LIDO-Profiles>



LIDO & Linked Open Data

LIDO & Linked Open Data

- URIs LIDO elements
<http://lido-schema.org/schema/v1.1/lido-v1.1.html#eventType>
<http://lido-schema.org/schema/latest/lido.html#eventType>
- URIs LIDO Terms
<http://terminology.lido-schema.org/lido00012>
- LIDO Terminology LOD Interface
Web Interface: <http://terminology.lido-schema.org/>
SPARQL: <http://terminology.lido-schema.org/sparql>
[Documentation](#)

LIDO & Linked Open Data

- RDF Namespace **skos**: skos:Concept
- RDF Namespace **owl**: owl:sameAs

LIDO & Linked Open Data

Stein, Regine & Balandi, Oguzhan. (2019).
**Using LIDO for Evolving Object Documentation
into CIDOC CRM. Heritage. 2. 1023-1031.**
<https://doi.org/10.3390/heritage2010066>

LIDO & Linked Art

May 24 16:00-17:30 (EET) / 15:00-16:30 (CET)

Linked Art WG and LIDO WG

Registration:

[https://events.gwdg.de/e/CIDOC-WG-LIDO-Linked
Art](https://events.gwdg.de/e/CIDOC-WG-LIDO-LinkedArt)

In this session the state of work of the Linked Art WG and the LIDO WG concerning the adoption of LIDO data to Linked Art is presented and possible future ways of collaboration of the WGs are discussed.

QUESTION TIME & DISCUSSION



Lightweight Information Describing Objects

Feedback welcome!

`lido-feedback@sub.uni-goettingen.de`

www.lido-schema.org